

APPENDIX D: MISCELLANEOUS PARAMETERS FOR THE POLAR ORBITER SATELLITES



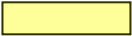

This section provides more detailed information for the NOAA KLMNN' series and Metop series, including tables for HIRS/3, AMSU-A and -B channel spectral response and HIRS/3 thermal band-correction coefficients, tables for AVHRR/3 infrared channel central wave numbers as a function of temperature, and the spectral response curves and actual values for the AVHRR/3 instrument. Many of these parameters are needed for calibration purposes.



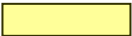
Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Additional details about the various satellites can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>.

The spectral response functions for the POES instruments can be obtained from Global Space-based Inter-Calibration System Coordination Center hosted by NOAA at <http://www.star.nesdis.noaa.gov/smcd/GCC/instrInfo-srf.php>.

Tables D.1 and D.2 show the launch dates, decommission dates, instrument number and instrument status as of August 8, 2014.

Table D-1. POES Program Instrument Utilization Status						
	EM	NOAA-15 (K)	NOAA-16 (L)	NOAA-17 (M)	NOAA-18 (N)	NOAA-19 (P)
Launch Date	N/A	5/13/1998	9/21/2000	6/24/2002	5/20/2005	02/06/2009
Decommission Date	N/A		6/09/2014	4/10/2013		
AMSU-A1	EM 101 @NG	s/n 103	s/n 102 1	s/n 104	s/n 109	s/n 107
AMSU-A2	EM 101 @ NG	s/n 102	s/n 103	s/n 104	s/n 105	s/n 109 @ LM
AMSU-B		s/n FM1	s/n FM2	s/n FM3	N/A	N/A
AVHRR	EM @ ITT	s/n 302	s/n 301	s/n 304	s/n 306	s/n 308
HIRS	HETM @ ITT	s/n 302	s/n 301	s/n 303	s/n 305	s/n308
SBUV	SBUV @ GSFC	N/A	s/n FM3	s/n FM6	s/n FM7	s/n FM8
SEM	EM @ Pan	s/n PFM	s/n FM1	s/n FM2	s/n FM3	s/n FM7
DTR/SSR	EM @ L3	s/n 408,9,10, 11,13	s/n 403,4,5, 6,12	s/n 401,7,14, 15,452	s/n 451,3,4	s/n 456,7,8
SARR		s/n FM7	s/n FM8	s/n FM9	s/n FM10	s/n FM12
SARP	REM	s/n FM1	s/n FM2	s/n FM3	s/n FM4	s/n FM3

	@ MetOp					
DCS	REM @ MetOp	s/n FM1	s/n FM2	s/n FM3	s/n FM4	s/n FM3
MHS		N/A	N/A	N/A	s/n FM1	s/n FM2
 Not Operational  Operational  Limited Operations  Decommissioned						

D-2. MetOp Program Instrument Utilization Status				
	MetOp-1 (B)	MetOp-2 (A)	MetOp-3 (C)	Notes:
Launch Date	9/17/2012	10/19/2006	Planned in 2017	
AMSU-A1	s/n 108 @ NG	s/n 106	s/n 105 @ NG	s/n 202 on Aqua
AMSU-A2	s/n 106 @ NG	s/n 108	s/n 107 @ NG	s/n 202 on Aqua
AVHRR	s/n 307 on Spacecraft	s/n 305	s/n 309 @ IT	Mass Model @ MSS
HIRS	s/n 307 on Spacecraft	s/n 306		Mass Model @ MSS
SEM	s/n FM4 @ MetOp	s/n FM6		
SARR	s/n FM11 @ MetOp	s/n FM13		
SARP	s/n FM 1 @ MetOp	s/n FM2		
MHS		s/n FM3		
 Not Operational  Operational  Limited Operations				

In addition, this appendix contains information that was formerly reported in *NOAA Technical Memorandum 107, Appendix B* (Planet, 1988). This information includes coefficients necessary for calibration purposes which are primarily used by High Resolution Picture Transmission (HRPT) and Direct Sounder Broadcast (DSB) service users. Some of the coefficients may also be useful to Automatic Picture Transmission (APT) data users.

D.1 NOAA-15 (K)

Launch date: May 13, 1998

Operational dates: December 15, 1998 to present

Morning orbit: 1930 LST ascending node, 0730 LST descending node

AVHRR instrument: 6 channels (AVHRR/3)

Spacecraft ID: 4

Abnormalities: During NOAA-15 activation and evaluation, it was determined that AMSU-A channels 7 and 15 were switched. This switch should be transparent to Level 1b users as the channels were corrected (switched back) by the ingest software, however, direct readout users should be aware of this problem. Only the radiometric data was affected, the housekeeping temperatures, antenna patterns, beam efficiency and beam widths of channels 15 and 7 oscillators are correct as they are now and were not affected by the switch. Band pass for channels 7 and 15 was also not affected due to extremely broad rf-detectors.

The NOAA-15 AMSU-B instrument is experiencing RFI contamination whose effect is dependent upon channel, geographic location, and current spacecraft antenna configuration. Calculations for generation of corrections for this contamination is an on- going effort. For the latest corrections needed for processing of this data see Appendix M.

On 10 July 2000, there was an apparent failure of the NOAA-15 AVHRR scan motor. HRPT and APT image data was missing through July 12, orbit 11250. On this orbit, AVHRR synchronization was restarted and HRPT and APT image data temporarily resumed. AVHRR synchronization was again lost 22 July on orbit 11395. Tests during December 2000 and January 2001 have shown that lowering the temperature of the instrument has restored a degree of stability. Beginning 20 March 2001, NOAA began to resynchronize the AVHRR once daily at 0730 UTC. The AVHRR has shown the ability to retain synchronization for longer periods with this daily reset. During the time of the resynchronization, there is a very brief disruption on all data in the HRPT transmission. When the AVHRR is in synchronization, usable images may be obtained. When the AVHRR synchronization is out of limits, images are unusable. HRPT transmitter will remain ON; the APT transmitter turned ON at 1611 UTC, 15 March 2001. At 1820 UTC, on 30 October 2000, the NOAA-15 AMSU-A Channel 14 failed and is no longer usable.

Table D.1-1 contains the measured channel characteristics for NOAA-15 AMSU-A (channels 1-15) and AMSU-B (channels 16-20). Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.1-1. Measured Channel Characteristics for NOAA-15 AMSU-A and AMSU-B.							
Ch #	Instrument/ Serial #	Central Frequency (Ghz)	Central Wavenumber (cm ⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f ₁)	End (f ₂)	Begin (f ₃)	End (f ₄)
1*	A2/ PFM	23.800370	0.793894	0.00850	0.13551	N/A	N/A
2*	A2/PFM	31.400420	1.047405	0.00897	0.08957	N/A	N/A
3*	A1-2/FM1	50.299910	1.677824	0.00895	0.08952	N/A	N/A
4*	A1-2/FM1	52.799390	1.761198	0.00890	0.19916	N/A	N/A
5	A1-2/FM1	53.595410	1.787750	0.03110	0.19930	N/A	N/A
6*	A1-1/FM1	54.399530	1.814573	0.00894	0.19921	N/A	N/A

7*	A1-1/FM1	54.940640	1.832622	0.00891	0.19919	N/A	N/A
8*	A1-2/FM1	55.498700	1.851237	0.00891	0.16408	N/A	N/A
9*	A1-1/FM1	57.290329	1.911000	0.00891	0.16412	N/A	N/A
10	A1-1/FM1	57.290329	1.911000	0.17916	0.25574	N/A	N/A
11	A1-1/FM1	57.290329	1.911000	0.257435	0.292545	0.353570	0.387850
12	A1-1/FM1	57.290329	1.911000	0.292745	0.308035	0.337050	0.352130
13	A1-1/FM1	57.290329	1.911000	0.308315	0.316245	0.328320	0.336240
14	A1-1/FM1	57.290329	1.911000	0.316200	0.319120	0.325370	0.328310
15*	A1-1/FM1	88.997000	2.968620	0.49871	1.49820	N/A	N/A
16*	B/PFM	88.992000	2.968453	0.3990	1.4050	N/A	N/A
17*	B/PFM	149.992000	5.003194	0.3980	1.4010	N/A	N/A
18	B/PFM	183.312000	6.114630	0.762	1.243	N/A	N/A
19	B/PFM	183.312000	6.114630	2.512	3.491	N/A	N/A
20	B/PFM	183.312000	6.114630	6.002	7.873	N/A	N/A
* The lower frequency cutoff in these single passband channels is due to the stop band.							

Table D.1-2 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-15 HIRS/3 instrument.

Table D.1-2. NOAA-15 IWT PRT Count to Temperature Coefficients for HIRS/3.				
a₀	a₁	a₂	a₃	a₄
301.42859	6.5398670E-03	8.9808960E-08	4.7877130E-11	1.3453590E-15
301.44106	6.5306330E-03	8.7115040E-08	4.7387900E-11	1.4460280E-15
301.43252	6.5332780E-03	8.2485710E-08	4.7301670E-11	1.6099050E-15
301.39868	6.5244370E-03	8.0380230E-08	4.7093000E-11	1.6976440E-15

The slope and intercept for the NOAA-15 HIRS/3 visible channel (Channel 20) are given in Table D.1-3.

Table D.1-3. NOAA-15 HIRS/3 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.02336	36.0500
Post-launch calibration (May 2002)	0.03174	47.1100
Notes: 1. To retrieve the albedo, use the following equation: albedo = (intercept + slope x C) / cos(z), where C=earth view count, z=solar zenith angle. Both C and z vary from pixel to pixel. 2. Post-launch calibration is traceable to the Libyan desert calibration site, for which the HIRS channel 20 albedo is ~36.1%. Further update to these coefficients may be needed as the instrument degrades over time.		

Table D.1-4 contains the NOAA-15 HIRS/3 central wave numbers and band correction coefficients for the thermal channels.

Table D.1-4. NOAA-15 HIRS/3 Central Wave Numbers and Band Correction Coefficients.			
Channel	f_c	b	c
1	669.08	-0.008	1.00001
2	678.80	0.019	0.99993
3	690.45	0.025	0.99989
4	703.14	0.019	0.99991
5	715.92	0.023	0.99989
6	731.71	0.015	0.99992
7	747.66	0.024	0.99990
8	897.37	0.092	0.99968
9	1032.11	0.049	0.99985
10	801.12	0.020	0.99993
11	1362.43	0.076	0.99980
12	1529.83	0.108	0.99976
13	2188.20	0.026	0.99996
14	2209.90	0.019	0.99996
15	2235.26	0.020	0.99996
16	2241.96	0.022	0.99995
17	2418.99	0.034	0.99995
18	2518.76	0.046	0.99993
19	2657.26	0.297	0.99959

Table D.1-5 contains the normalized response functions (from 30-point spline fit) for NOAA-15 HIRS/302.

Table D.1-5. Normalized Response Functions for the NOAA-15 HIRS/3 Thermal Channels.				
Channel 1				
Starting Wave # : 0.66175E+03			Increment: 0.56034E+00	
0.00000E+00	0.32939E-02	0.65401E-02	0.96910E-02	0.13817E-01
0.21106E-01	0.30079E-01	0.38578E-01	0.49194E-01	0.70476E-01
0.86165E-01	0.12766E+00	0.18197E+00	0.24632E+00	0.27480E+00
0.23646E+00	0.17394E+00	0.10226E+00	0.57393E-01	0.20909E-01
0.11023E-01	0.94119E-02	0.66969E-02	0.40016E-02	0.20532E-02
0.80436E-03	0.11427E-03	0.00000E+00	0.00000E+00	0.00000E+00
Channel 2				
Starting Wave #: 0.66400E+03			Increment: 0.10138E+01	
0.00000E+00	0.10207E-02	0.17235E-02	0.20523E-02	0.43811E-02
0.70835E-02	0.11622E-01	0.19724E-01	0.31572E-01	0.45854E-01
0.58223E-01	0.67788E-01	0.72957E-01	0.75792E-01	0.76830E-01
0.78435E-01	0.80232E-01	0.81732E-01	0.78889E-01	0.69574E-01
0.50941E-01	0.32111E-01	0.16631E-01	0.98381E-02	0.51098E-02
0.36044E-02	0.16205E-02	0.83029E-03	0.34008E-03	0.76634E-07

Channel 3				
Starting Wave #: 0.67080E+03			Increment: 0.12659E+01	
0.00000E+00	0.52027E-03	0.10972E-02	0.17871E-02	0.22353E-02
0.47390E-02	0.73462E-02	0.12569E-01	0.18867E-01	0.27386E-01
0.36308E-01	0.43376E-01	0.49612E-01	0.52055E-01	0.54682E-01
0.56496E-01	0.60120E-01	0.65654E-01	0.71937E-01	0.71751E-01
0.61023E-01	0.41755E-01	0.23764E-01	0.12027E-01	0.59204E-02
0.34653E-02	0.17967E-02	0.12283E-02	0.60571E-03	0.11662E-06
Channel 4				
Starting Wave #: 0.68400E+03			Increment: 0.14138E+01	
0.00000E+00	0.47826E-03	0.50779E-03	0.87385E-03	0.17929E-02
0.35457E-02	0.74359E-02	0.16299E-01	0.31114E-01	0.46958E-01
0.57202E-01	0.60540E-01	0.62286E-01	0.64244E-01	0.65648E-01
0.64490E-01	0.60302E-01	0.52630E-01	0.42151E-01	0.29385E-01
0.18168E-01	0.97779E-02	0.52378E-02	0.27182E-02	0.17001E-02
0.80046E-03	0.75851E-03	0.15744E-03	0.22634E-03	0.72697E-07
Channel 5				
Starting Wave #: 0.69400E+03			Increment: 0.15172E+01	
0.00000E+00	0.36017E-03	0.62393E-03	0.84348E-03	0.16106E-02
0.30435E-02	0.57733E-02	0.11165E-01	0.20170E-01	0.32399E-01
0.43565E-01	0.50354E-01	0.53723E-01	0.55054E-01	0.55829E-01
0.55752E-01	0.54801E-01	0.52667E-01	0.47555E-01	0.39901E-01
0.29873E-01	0.19693E-01	0.11099E-01	0.64664E-02	0.37347E-02
0.19062E-02	0.10010E-02	0.19575E-03	0.00000E+00	0.00000E+00
Channel 6				
Starting Wave #: 0.71210E+03			Increment: 0.13872E+01	
0.00000E+00	0.56108E-03	0.10017E-02	0.21202E-02	0.36083E-02
0.64333E-02	0.10274E-01	0.16673E-01	0.25322E-01	0.34837E-01
0.43644E-01	0.50434E-01	0.54946E-01	0.57341E-01	0.60137E-01
0.62162E-01	0.65358E-01	0.64877E-01	0.57775E-01	0.42985E-01
0.27057E-01	0.15031E-01	0.78002E-02	0.41595E-02	0.27309E-02
0.13510E-02	0.10760E-02	0.77409E-03	0.40409E-03	0.72294E-07
Channel 7				
Starting Wave #: 0.72180E+03			Increment: 0.16517E+01	
0.00000E+00	0.11752E-03	0.29985E-03	0.33552E-03	0.81506E-03
0.13106E-02	0.25025E-02	0.47308E-02	0.91602E-02	0.16600E-01
0.26658E-01	0.36244E-01	0.42599E-01	0.46187E-01	0.48510E-01
0.50784E-01	0.52325E-01	0.54082E-01	0.54451E-01	0.51305E-01
0.42130E-01	0.28745E-01	0.16861E-01	0.88379E-02	0.47100E-02
0.24444E-02	0.14137E-02	0.87440E-03	0.43745E-03	0.65706E-07
Channel 8				
Starting Wave #: 0.85000E+03			Increment: 0.31034E+01	
0.00000E+00	0.17764E-03	0.20750E-03	0.26786E-03	0.47372E-03

0.78371E-03	0.14746E-02	0.29054E-02	0.57231E-02	0.10946E-01
0.17302E-01	0.22555E-01	0.25152E-01	0.26348E-01	0.26716E-01
0.27017E-01	0.27067E-01	0.26634E-01	0.25446E-01	0.23247E-01
0.19519E-01	0.14199E-01	0.86735E-02	0.46545E-02	0.23776E-02
0.11878E-02	0.64851E-03	0.33283E-03	0.20703E-03	0.35255E-07
Channel 9				
Starting Wave #: 0.99707E+03			Increment: 0.23459E+01	
0.00000E+00	0.18249E-03	0.26350E-03	0.49650E-03	0.56343E-03
0.11279E-02	0.19487E-02	0.37968E-02	0.76415E-02	0.14840E-01
0.24445E-01	0.32611E-01	0.36258E-01	0.36672E-01	0.36529E-01
0.36582E-01	0.36529E-01	0.36116E-01	0.34757E-01	0.31119E-01
0.23545E-01	0.14645E-01	0.80543E-02	0.38586E-02	0.16268E-02
0.10292E-02	0.56249E-03	0.28435E-03	0.22742E-03	0.52460E-07
Channel 10				
Starting Wave #: 0.78380E+03			Increment: 0.11483E+01	
0.00000E+00	0.53843E-03	0.87936E-03	0.96862E-03	0.22315E-02
0.39474E-02	0.88174E-02	0.16599E-01	0.29076E-01	0.41038E-01
0.50637E-01	0.54352E-01	0.57350E-01	0.60208E-01	0.64367E-01
0.67167E-01	0.67241E-01	0.65530E-01	0.62929E-01	0.59337E-01
0.53871E-01	0.42883E-01	0.28035E-01	0.15958E-01	0.85759E-02
0.42317E-02	0.19140E-02	0.14976E-02	0.75413E-03	0.16432E-06
Channel 11				
Starting Wave #: 0.13253E+04			Increment: 0.27241E+01	
0.00000E+00	0.42629E-03	0.81626E-03	0.19941E-02	0.37878E-02
0.57046E-02	0.91031E-02	0.16125E-01	0.23841E-01	0.23980E-01
0.19730E-01	0.18118E-01	0.20461E-01	0.24726E-01	0.28087E-01
0.30322E-01	0.30335E-01	0.28091E-01	0.23934E-01	0.19864E-01
0.15983E-01	0.10964E-01	0.57210E-02	0.24850E-02	0.10926E-02
0.61166E-03	0.39834E-03	0.26156E-03	0.12928E-03	0.11602E-07
Channel 12				
Starting Wave #: 0.14910E+04			Increment: 0.28966E+01	
0.00000E+00	0.34429E-03	0.60979E-03	0.13966E-02	0.38356E-02
0.84802E-02	0.18273E-01	0.22411E-01	0.23474E-01	0.21299E-01
0.20082E-01	0.20215E-01	0.20711E-01	0.21263E-01	0.20354E-01
0.19051E-01	0.17112E-01	0.16175E-01	0.16028E-01	0.15857E-01
0.15328E-01	0.13875E-01	0.11752E-01	0.86461E-02	0.46149E-02
0.29324E-02	0.83218E-03	0.21452E-03	0.78820E-04	0.10960E-07
Channel 13				
Starting Wave #: 0.21630E+04			Increment: 0.18966E+01	
0.00000E+00	0.12787E-03	0.48471E-03	0.12972E-02	0.20185E-02
0.50835E-02	0.11621E-01	0.24603E-01	0.38711E-01	0.47357E-01
0.47539E-01	0.41533E-01	0.35084E-01	0.32180E-01	0.31896E-01
0.32871E-01	0.32882E-01	0.32139E-01	0.29213E-01	0.24118E-01

0.18861E-01	0.13703E-01	0.91581E-02	0.58140E-02	0.39731E-02
0.21066E-02	0.13614E-02	0.10153E-02	0.54376E-03	0.71990E-07
Channel 14				
Starting Wave #: 0.21818E+04			Increment: 0.20241E+01	
0.00000E+00	0.29215E-03	0.60435E-03	0.95656E-03	0.14049E-02
0.27948E-02	0.57713E-02	0.10378E-01	0.17651E-01	0.25929E-01
0.33242E-01	0.39288E-01	0.43209E-01	0.45000E-01	0.45519E-01
0.44696E-01	0.43732E-01	0.41166E-01	0.34622E-01	0.25367E-01
0.15801E-01	0.80419E-02	0.39433E-02	0.17110E-02	0.91773E-03
0.62598E-03	0.54570E-03	0.50838E-03	0.37302E-03	0.61881E-07
Channel 15				
Starting Wave #: 0.22095E+04			Increment: 0.19621E+01	
0.00000E+00	0.50321E-03	0.12518E-02	0.17160E-02	0.37800E-02
0.70577E-02	0.11314E-01	0.17635E-01	0.24260E-01	0.30258E-01
0.36423E-01	0.42021E-01	0.45221E-01	0.47049E-01	0.46477E-01
0.44184E-01	0.41379E-01	0.36396E-01	0.28679E-01	0.19890E-01
0.11547E-01	0.61416E-02	0.31494E-02	0.13120E-02	0.85235E-03
0.47529E-03	0.30542E-03	0.24114E-03	0.18869E-03	0.67652E-07
Channel 16				
Starting Wave #: 0.22110E+04			Increment: 0.21379E+01	
0.00000E+00	0.30985E-03	0.56145E-03	0.70985E-03	0.12772E-02
0.23185E-02	0.42811E-02	0.79867E-02	0.13991E-01	0.21675E-01
0.29291E-01	0.34957E-01	0.38026E-01	0.38618E-01	0.37195E-01
0.35207E-01	0.34838E-01	0.38095E-01	0.43496E-01	0.40893E-01
0.25541E-01	0.10537E-01	0.39553E-02	0.18360E-02	0.94281E-03
0.54048E-03	0.33507E-03	0.23351E-03	0.14916E-03	0.21084E-07
Channel 17				
Starting Wave #: 0.23863E+04			Increment: 0.21034E+01	
0.00000E+00	0.62116E-03	0.11412E-02	0.16829E-02	0.22964E-02
0.27390E-02	0.33570E-02	0.47016E-02	0.10421E-01	0.21479E-01
0.34829E-01	0.41467E-01	0.37632E-01	0.31021E-01	0.27041E-01
0.25477E-01	0.25341E-01	0.26024E-01	0.26945E-01	0.27542E-01
0.27375E-01	0.25892E-01	0.22429E-01	0.17705E-01	0.12907E-01
0.85814E-02	0.54304E-02	0.27359E-02	0.63696E-03	0.00000E+00
Channel 18				
Starting Wave #: 0.24775E+04			Increment: 0.29103E+01	
0.00000E+00	0.25715E-03	0.50880E-03	0.80184E-03	0.13001E-02
0.22387E-02	0.41420E-02	0.79261E-02	0.14461E-01	0.22072E-01
0.26408E-01	0.26942E-01	0.26198E-01	0.25680E-01	0.25531E-01
0.25423E-01	0.24979E-01	0.23817E-01	0.21780E-01	0.18734E-01
0.14972E-01	0.10972E-01	0.73594E-02	0.45943E-02	0.27771E-02
0.16933E-02	0.10453E-02	0.67087E-03	0.34089E-03	0.29415E-07
Channel 19				

Starting Wave #: 0.25460E+04			Increment: 0.75517E+01	
0.00000E+00	0.85182E-04	0.14446E-03	0.16078E-03	0.30641E-03
0.53559E-03	0.10332E-02	0.21893E-02	0.47962E-02	0.87046E-02
0.10621E-01	0.97837E-02	0.87175E-02	0.83014E-02	0.84900E-02
0.89560E-02	0.92338E-02	0.91367E-02	0.88732E-02	0.88140E-02
0.89836E-02	0.75928E-02	0.40372E-02	0.16529E-02	0.68330E-03
0.30815E-03	0.15149E-03	0.89898E-04	0.41749E-04	0.13552E-08

Table D.1-6 contains the pre-launch calibration coefficients (albedo representation) for the AVHRR/3 instrument on NOAA-15.

Table D.1-6. NOAA-15 AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	0.0568	-2.1874
	High albedo range (26 - 100%)	0.1633	-54.9928
2	Low albedo range (0-25%)	0.0596	-2.4096
	High albedo range (26 - 100%)	0.1629	-55.2436
3A	Low albedo range (0-12.5%)	0.0275	-1.0684
	High albedo range (12.6 - 100%)	0.1846	-78.1691
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 496, 511, and 491 counts (rounded off to the nearest integer) for Channels 1,2, and 3A, respectively. This information is based on the data in Instruction Manual and Alignment/Calibration Handbook and Optical Data, submitted to NASA/GSFC by ITT Aerospace/Communications (Report 8172836, Rev A), October 1997.			

Table D.1-7 contains NOAA-15 AVHRR/3 visible channel information such as equivalent width, w , effective central wavelength, b_e , and in-band solar irradiance, F .

Table D.1-7. NOAA-15 AVHRR/3 Visible Channel Information.			
Channel	w (μm)	b_e (μm)	F (W/m^2)
1	0.084	0.632	138.7
2	0.228	0.843	235.4
3A	0.044	1.607	10.6
Note: These quantities are based on the solar irradiance data of Neckel and Labs (1984), which is a widely used source of such data.			

Table D.1-8 contains NOAA-15 coefficients d_0 , d_1 , d_2 , d_3 , and d_4 that relate temperature, T_{PRT} (Kelvin), of each PRT to count value, C_{PRT} , by the equation:

$$T_{\text{PRT}} = d_0 + d_1 C_{\text{PRT}} + d_2 C_{\text{PRT}}^2 + d_3 C_{\text{PRT}}^3 + d_4 C_{\text{PRT}}^4$$

Table D.1-8. NOAA-15 AVHRR/3 Conversion Coefficients					
PRT	d₀	d₁	d₂	d₃	d₄
1	276.60157	0.051045	1.36328E-06	0	0
2	276.62531	0.050909	1.47266E-06	0	0
3	276.67413	0.050907	1.47656E-06	0	0
4	276.59258	0.050966	1.47656E-06	0	0

Table D.1-9 contains the PRT weighting factors for NOAA-15.

Table D.1-9. NOAA-15 PRT Weighting Factors.			
b₁	b₂	b₃	b₄
0.25	0.25	0.25	0.25

Table D.1-10 contains a summary of the spectral response data as a function of wavenumber for all channels of the NOAA-15 AVHRR/3.

Table D.1-10. Summary of NOAA-15 AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15570.00 and had a value of 1.00		
File starting point is at wavenumber = 12050.00		
File ending point is at wavenumber = 23250.00		
Moment Center Wavenumber = 15859.7062		
Percent line at which curve crosses	Wavenumber (cm⁻¹)	Microns
0.10%	14196.6582	0.7044
1.00%	14436.7100	0.6927
5.00%	14573.7559	0.6862

10.00%		14624.1328		0.6838	
20.00%		14671.6406		0.6816	
50.00%		14739.7900		0.6784	
80.00%		14788.2295		0.6762	
80.00%		16680.6641		0.5995	
50.00%		17060.6777		0.5861	
20.00%		17131.7539		0.5837	
10.00%		17175.1855		0.5822	
5.00%		17219.9707		0.5807	
1.00%		17337.4453		0.5768	
0.10%		17584.0098		0.5687	
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%		14642.3309		17155.1995	
96%		14744.7150		17049.7751	
70%		15062.9977		16661.1732	
50%		15288.7517		16404.3671	
0% (area center)		15825.7003		15825.7003	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	14788.2295	16680.6641	1892.4346	15734.4473	
50%	14739.7900	17060.6777	2320.8877	15900.2344	
20%	14671.6406	17131.7539	2460.1133	15901.6973	
5%	14573.7559	17219.9707	2646.2148	15896.8633	
Channel 2					
The peak wavenumber was at 12135.00 and had a value of 1.00					
File starting point is at wavenumber = 9330.00					
File ending point is at wavenumber = 19995.00					

Moment Center Wavenumber = 12016.4406				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		Microns
1.00%		9881.1152		1.0120
5.00%		9968.6484		1.0031
10.00%		10019.4678		0.9981
20.00%		10089.9189		0.9911
50.00%		10211.9961		0.9792
80.00%		10646.5342		0.9393
80.00%		13493.4717		0.7411
50.00%		13657.6465		0.7322
20.00%		13993.0322		0.7146
10.00%		14097.4355		0.7093
5.00%		14170.5137		0.7057
1.00%		14317.1592		0.6985
0.10%		14511.1816		0.6891
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)
99%		10082.9547		14040.9927
96%		10221.7553		13840.1591
70%		10794.9054		13213.8136
50%		11159.5927		12853.9068
0% (area center)		12023.7506		12023.7506
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	10646.5342	13493.4717	2846.9375	12070.0029
50%	10211.9961	13657.6465	3445.6504	11934.8213
20%	10089.9189	13993.0322	3903.1133	12041.4756
5%	9968.6484	14170.5137	4201.8652	12069.5811

Channel 3a		
The peak wavenumber was at 6250.00 and had a value of 1.00		
File starting point is at wavenumber = 5785.00		
File ending point is at wavenumber = 6705.00		
Moment Center Wavenumber = 6223.5656		
Percent line at which curve crosses	Wavenumber (cm ⁻¹)	Microns
0.10%	6068.5703	1.6478
1.00%	6089.9004	1.6421
5.00%	6106.3730	1.6376
10.00%	6113.0332	1.6358
20.00%	6119.4927	1.6341
50.00%	6129.5625	1.6314
80.00%	6144.6167	1.6274
80.00%	6145.7290	1.6271
80.00%	6177.5620	1.6188
80.00%	6299.9307	1.5873
50.00%	6311.2593	1.5845
20.00%	6323.8169	1.5813
10.00%	6331.4009	1.5794
5.00%	6339.0327	1.5775
Area Point Limits	Lower (cm ⁻¹)	Upper (cm ⁻¹)
99%	6106.2041	6329.8381
96%	6120.0795	6314.1591
70%	6152.3744	6281.6202
50%	6174.8438	6263.4136
0% (area center)	6220.1445	6220.1445

Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	6177.5620	6299.9307	122.3687	6238.7466
50%	6129.5625	6311.2593	181.6968	6220.4111
20%	6119.4927	6323.8169	204.3242	6221.6548
5%	6106.3730	6339.0327	232.6597	6222.7031
Channel 3b				
The peak wavenumber was at 2676.20 and had a value of 1.00				
File starting point is at wavenumber = 2222.80				
File ending point is at wavenumber = 3355.50				
Moment Center Wavenumber = 2694.8241				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		Microns	
0.10%	2440.8918		4.0969	
1.00%	2471.0073		4.0469	
5.00%	2497.7480		4.0036	
10.00%	2514.3342		3.9772	
20.00%	2546.5537		3.9269	
50.00%	2587.1865		3.8652	
80.00%	2604.4082		3.8396	
80.00%	2808.4602		3.5607	
50.00%	2822.0723		3.5435	
20.00%	2833.9434		3.5287	
10.00%	2841.1433		3.5197	
5.00%	2848.0925		3.5111	
1.00%	2866.2263		3.4889	
0.10%	2895.4199		3.4537	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	

99%	2503.7638		2840.0060	
96%	2534.1631		2825.0553	
70%	2610.1426		2784.2844	
50%	2635.4594		2757.6612	
0% (area center)	2695.9743		2695.9743	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	2604.4082	2808.4602	204.0520	2706.4343
50%	2587.1865	2822.0723	234.8857	2704.6294
20%	2546.5537	2833.9434	287.3896	2690.2485
5%	2497.7480	2848.0925	350.3445	2672.9204
Channel 4				
The peak wavenumber was at 903.30 and had a value of 1.00				
File starting point is at wavenumber = 781.30				
File ending point is at wavenumber = 1136.10				
Moment Center Wavenumber = 925.7260				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)	Microns	
0.10%		859.7016	11.6319	
1.00%		867.3125	11.5299	
5.00%		872.5100	11.4612	
10.00%		874.8829	11.4301	
20.00%		877.6683	11.3938	
50.00%		883.1485	11.3231	
80.00%		888.8125	11.2510	
80.00%		961.7256	10.3980	
50.00%		968.2725	10.3277	
20.00%		974.5762	10.2609	

10.00%		978.2267		10.2226	
5.00%		981.1376		10.1923	
1.00%		987.1260		10.1304	
0.10%		996.2394		10.0377	
Area Point Limits	Lower (cm ⁻¹)			Upper (cm ⁻¹)	
99%	875.3695			978.2872	
96%	880.8578			971.8187	
70%	895.5374			955.8641	
50%	903.9871			946.9393	
0% (area center)	925.4075			925.4075	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	888.8125	961.7256	72.9131	925.2691	
50%	883.1485	968.2725	85.1240	925.7105	
20%	877.6683	974.5762	96.9078	926.1223	
5%	872.5100	981.1376	108.6276	926.8239	
Channel 5					
The peak wavenumber was at 850.30 and had a value of 1.00					
File starting point is at wavenumber = 714.30					
File ending point is at wavenumber = 999.80					
Moment Center Wavenumber = 839.4649					
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		Microns	
0.10%		792.1827		12.6234	
1.00%		796.4730		12.5554	
5.00%		799.7806		12.5034	
10.00%		801.1653		12.4818	
20.00%		802.7150		12.4577	

50.00%		805.5098		12.4145	
80.00%		809.2590		12.3570	
80.00%		863.8686		11.5758	
50.00%		873.2330		11.4517	
20.00%		875.5717		11.4211	
10.00%		876.8835		11.4040	
5.00%		878.1039		11.3882	
1.00%		880.8443		11.3527	
0.10%		884.4832		11.3060	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)		
99%	801.8588		875.7782		
96%	805.0904		872.9889		
70%	815.6482		862.2832		
50%	823.0201		855.5149		
0% (area center)	839.8979		839.8979		
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	809.2590	863.8686	54.6096	836.5638	
50%	805.5098	873.2330	67.7233	839.3714	
20%	802.7150	875.5717	72.8567	839.1434	
5%	799.7806	878.1039	78.3232	838.9423	

Table D.1-11 contains the radiance-to-temperature coefficients for NOAA-15 AVHRR/3 Channels 3B, 4 and 5.

Table D.1-11. NOAA-15 AVHRR/3 Thermal Channel Temperature to Radiance Coefficients.			
	n_c	A	B
Channel 3B	2695.9743	1.621256	0.998015
Channel 4	925.4075	0.337810	0.998719

Channel 5	839.8979	0.304558	0.999024
-----------	----------	----------	----------

Figures D.1-1 through D.1-6 contains the spectral response curves for NOAA-K AVHRR/3 Channels 1, 2, 3A, 3B, 4 and 5, respectively.

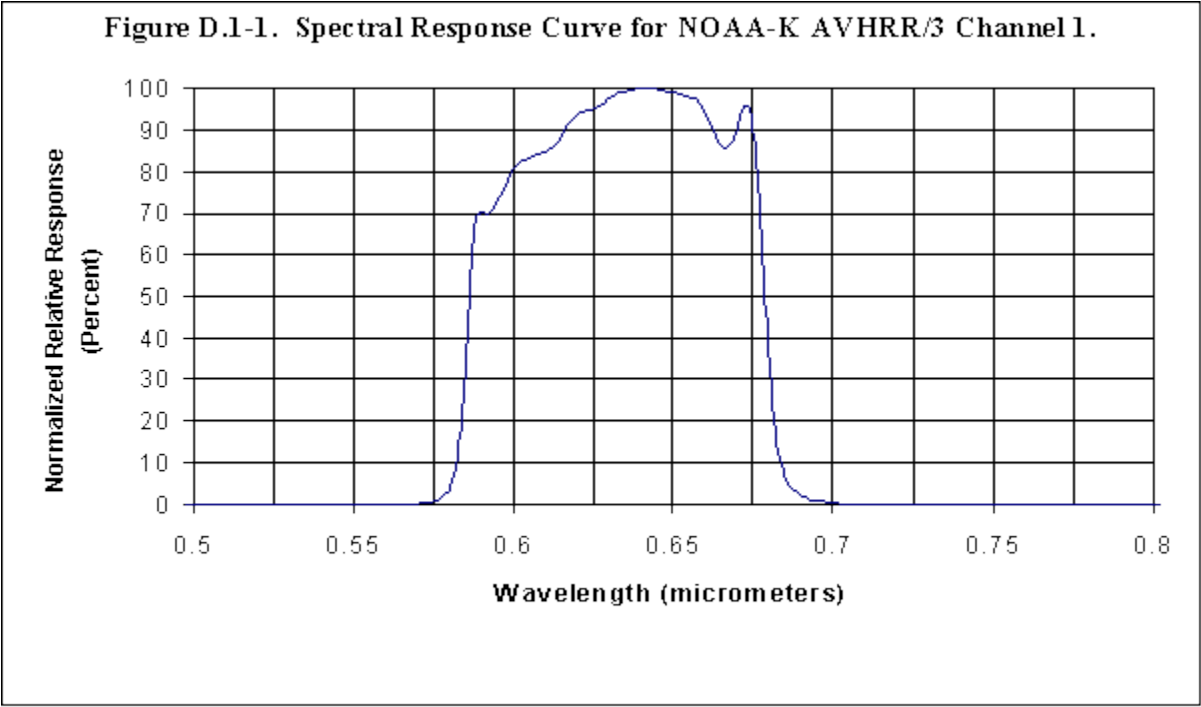


Figure D.1-1. Spectral Response Curve for NOAA-15 Channel 1.

Figure D.1-2. Spectral Response Curve for NOAA-K AVHRR/3 Channel 2.

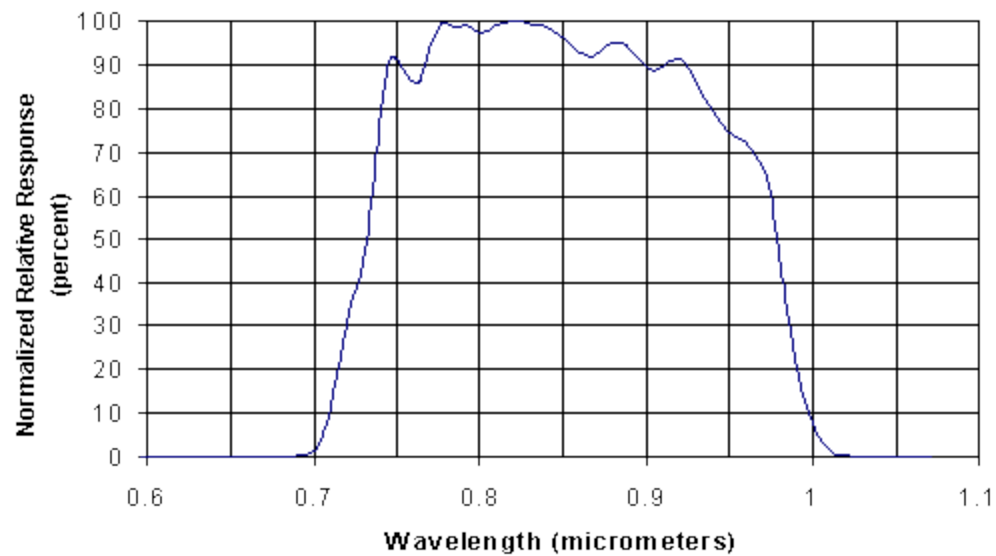


Figure D.1-2. Spectral Response Curve for NOAA-15 Channel 2.

Figure D.1-3. Spectral Response Curve for NOAA-K AVHRR/3 Channel 3A.

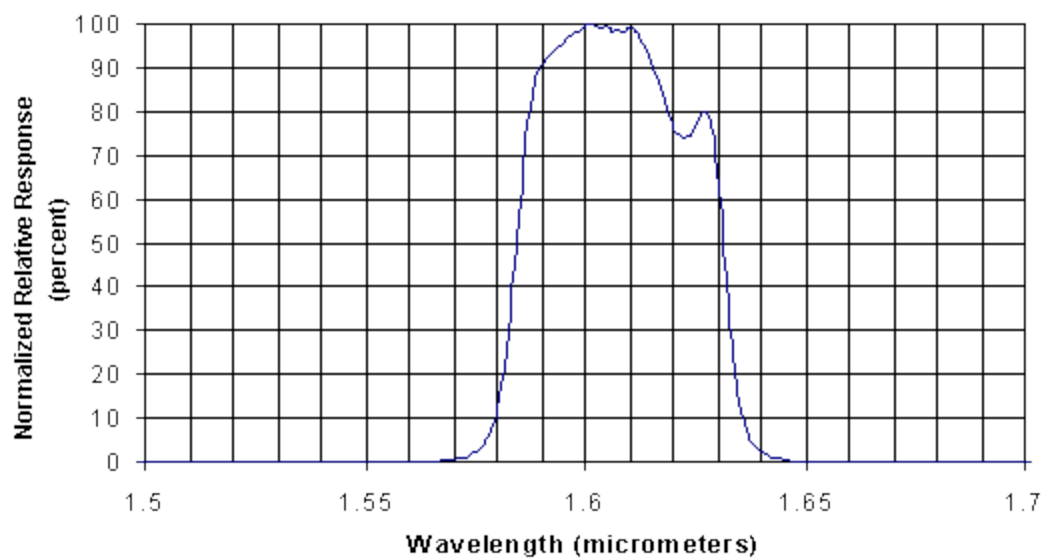


Figure D.1-3. Spectral Response Curve for NOAA-15 Channel 3A.

Figure D.1-4. Spectral Response Curve for NOAA-K AVHRR/3 Channel 3B.

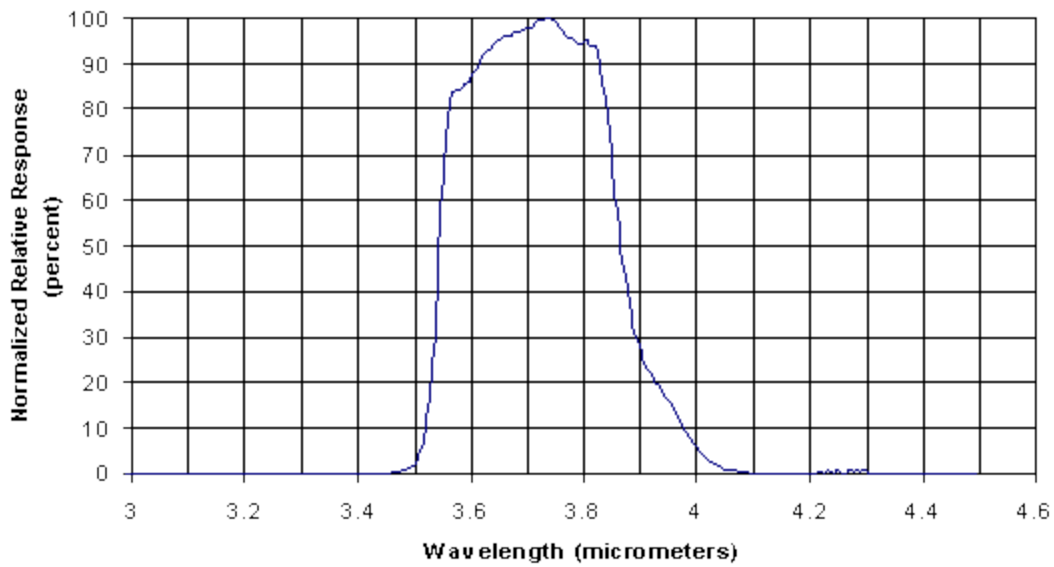


Figure D.1-4. Spectral Response Curve for NOAA-15 Channel 3B.

Figure D.1-5. Spectral Response Curve for NOAA-K AVHRR/3 Channel 4.

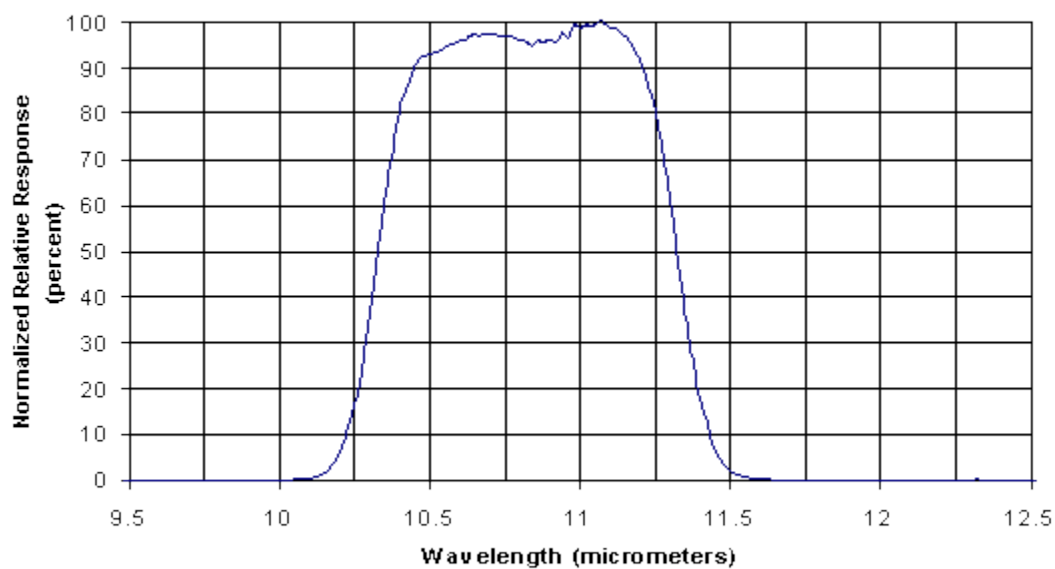


Figure D.1-5. Spectral Response Curve for NOAA-15 Channel 4.

Figure D.1-6. Spectral Response Curve for NOAA-K AVHRR/3 Channel 5.

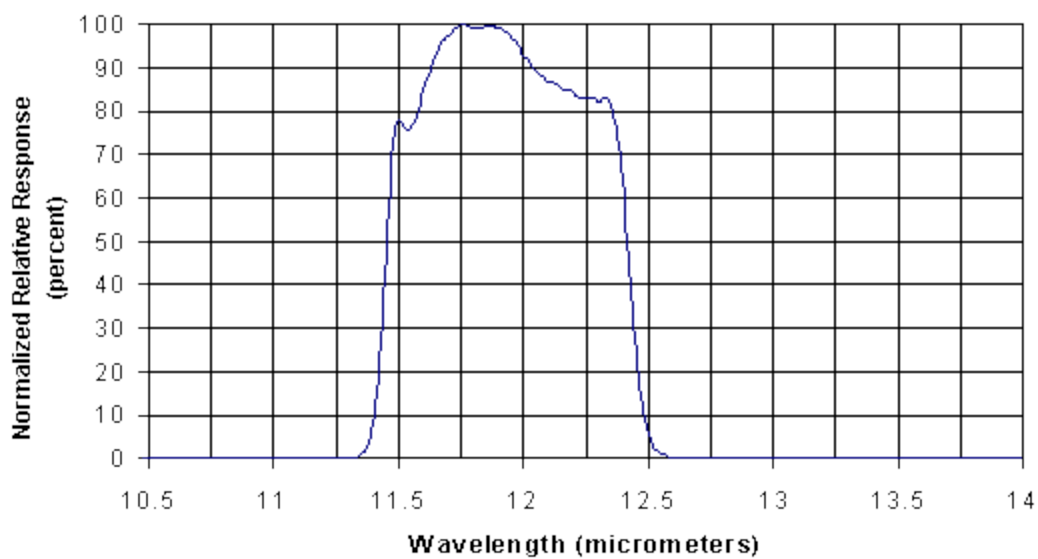


Figure D.1-6. Spectral Response Curve for NOAA-15 Channel 5.

Tables D.1-12 and D.1-13 contain the corresponding spectral response values for NOAA-15 AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.1-12. NOAA-15 AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A.					
Channel 1		Channel 2		Channel 3A	
Wavelength (microns)	Relative Response (percent)	Wavelength (microns)	Relative Response (percent)	Wavelength (microns)	Relative Response (percent)
0.43	5.10E-02	0.5	0.03894	1.49	-1.90E-03
0.432	1.19E-01	0.504	0.01249	1.491	-6.33E-03
0.434	1.40E-01	0.508	0.02187	1.492	5.16E-03
0.436	8.80E-02	0.512	0.02998	1.493	-2.13E-03
0.438	1.21E-01	0.516	0.009488	1.494	3.97E-03
0.44	1.16E-01	0.52	0.01019	1.495	-9.96E-03
0.442	8.49E-02	0.524	-0.00491	1.496	2.93E-02
0.444	5.34E-03	0.528	0.006321	1.497	-3.85E-02
0.446	2.30E-02	0.532	-0.00222	1.498	4.16E-03
0.448	4.66E-02	0.536	-0.01192	1.499	-1.55E-02
0.45	-4.27E-03	0.54	0.002725	1.5	8.48E-03
0.452	8.38E-03	0.544	-0.00512	1.501	2.19E-03
0.454	5.55E-02	0.548	-0.00228	1.502	3.16E-03
0.456	5.63E-02	0.552	0.007246	1.503	-1.23E-02
0.458	6.58E-03	0.556	-0.00127	1.504	-1.86E-02
0.46	4.96E-02	0.56	-0.00189	1.505	1.80E-03
0.462	4.31E-02	0.564	0.001851	1.506	-3.13E-02
0.464	6.03E-02	0.568	0.004808	1.507	-2.31E-03
0.466	5.21E-02	0.572	0.008145	1.508	-2.56E-02
0.468	1.05E-02	0.576	0.001293	1.509	1.62E-03
0.47	1.53E-02	0.58	0.00135	1.51	1.33E-02
0.472	2.08E-03	0.584	-0.00791	1.511	-6.64E-03
0.474	-7.83E-03	0.588	-0.00656	1.512	-2.19E-02
0.476	8.18E-03	0.592	-0.00088	1.513	-6.40E-03
0.478	1.93E-02	0.596	-0.00016	1.514	-2.65E-02
0.48	8.76E-03	0.6	-0.0055	1.515	1.43E-03
0.482	4.02E-02	0.604	-0.00321	1.516	3.86E-05
0.484	6.32E-02	0.608	-0.00324	1.517	-5.34E-03
0.486	2.14E-02	0.612	-0.00591	1.518	-3.34E-03

0.488	-1.29E-02	0.616	-0.00405	1.519	6.82E-03
0.49	2.46E-03	0.62	-0.00119	1.52	1.58E-02
0.492	5.22E-02	0.624	0.001046	1.521	-3.35E-03
0.494	1.48E-02	0.628	-0.00582	1.522	3.24E-02
0.496	-5.59E-03	0.632	-0.00477	1.523	-2.56E-03
0.498	2.90E-02	0.636	-0.00224	1.524	-2.16E-02
0.5	1.06E-02	0.64	0.001095	1.525	3.65E-03
0.502	2.52E-02	0.644	-0.00376	1.526	7.84E-03
0.504	2.47E-02	0.648	-0.00359	1.527	-3.30E-02
0.506	2.50E-02	0.652	-0.00098	1.528	-3.20E-02
0.508	2.76E-02	0.656	0.001316	1.529	3.40E-03
0.51	3.22E-02	0.66	0.000322	1.53	-4.08E-02
0.512	2.13E-02	0.664	0.004031	1.531	2.91E-02
0.514	1.68E-02	0.668	0.006376	1.532	2.81E-03
0.516	9.79E-03	0.672	0.01158	1.533	5.00E-03
0.518	2.84E-02	0.676	0.01339	1.534	8.14E-03
0.52	2.59E-02	0.68	0.02079	1.535	-2.19E-02
0.522	2.30E-02	0.684	0.03213	1.536	-3.05E-02
0.524	1.85E-02	0.688	0.07828	1.537	1.22E-03
0.526	2.49E-02	0.692	0.1949	1.538	-1.67E-02
0.528	1.62E-02	0.696	0.5394	1.539	-5.25E-03
0.53	2.15E-02	0.7	1.438	1.54	7.72E-03
0.532	5.90E-03	0.704	3.501	1.541	1.42E-03
0.534	1.51E-02	0.708	7.841	1.542	-1.08E-02
0.536	3.21E-02	0.712	14.89	1.543	1.34E-02
0.538	2.91E-02	0.716	22.62	1.544	3.64E-02
0.54	1.58E-02	0.72	30.04	1.545	-1.94E-02
0.542	1.83E-02	0.724	36.5	1.546	-2.86E-02
0.544	3.77E-02	0.728	42.02	1.547	-8.45E-03
0.546	2.90E-02	0.732	49.53	1.548	-6.78E-03
0.548	1.84E-02	0.736	61.6	1.549	1.16E-02
0.55	1.64E-02	0.74	76.18	1.55	1.14E-02
0.552	2.24E-02	0.744	88.13	1.551	-1.82E-02
0.554	2.27E-02	0.748	91.97	1.552	-2.77E-02
0.556	3.50E-02	0.752	90.25	1.553	1.66E-02
0.558	2.72E-02	0.756	87.63	1.554	-1.35E-02
0.56	2.23E-02	0.76	85.81	1.555	3.68E-05

0.562	3.61E-02	0.764	86.56	1.556	6.43E-02
0.564	5.43E-02	0.768	91.47	1.557	-2.39E-02
0.566	7.81E-02	0.772	96.24	1.558	-4.24E-03
0.568	8.79E-02	0.776	99.38	1.559	-8.29E-03
0.57	1.38E-01	0.78	99.74	1.56	-1.12E-02
0.572	2.34E-01	0.784	98.89	1.561	1.79E-02
0.574	4.04E-01	0.788	98.94	1.562	3.68E-02
0.576	7.63E-01	0.792	99.01	1.563	3.09E-02
0.578	1.58E+00	0.796	98.11	1.564	4.30E-02
0.58	3.66E+00	0.8	97.27	1.565	8.58E-02
0.582	8.95E+00	0.804	97.56	1.566	9.05E-02
0.584	2.28E+01	0.808	98.59	1.567	1.02E-01
0.586	4.82E+01	0.812	99.47	1.568	2.54E-01
0.588	6.71E+01	0.816	99.85	1.569	3.12E-01
0.59	7.04E+01	0.82	99.88	1.57	3.74E-01
0.592	7.00E+01	0.824	100	1.571	5.61E-01
0.594	7.11E+01	0.828	99.84	1.572	6.92E-01
0.596	7.41E+01	0.832	99.47	1.573	9.77E-01
0.598	7.76E+01	0.836	99.14	1.574	1.47E+00
0.6	8.07E+01	0.84	98.59	1.575	1.99E+00
0.602	8.23E+01	0.844	97.99	1.576	2.87E+00
0.604	8.30E+01	0.848	96.85	1.577	4.01E+00
0.606	8.35E+01	0.852	95.47	1.578	5.91E+00
0.608	8.43E+01	0.856	94.08	1.579	8.52E+00
0.61	8.48E+01	0.86	92.99	1.58	1.20E+01
0.612	8.53E+01	0.864	92.32	1.581	1.76E+01
0.614	8.73E+01	0.868	92.17	1.582	2.46E+01
0.616	9.00E+01	0.872	93.01	1.583	3.43E+01
0.618	9.22E+01	0.876	94.14	1.584	4.50E+01
0.62	9.35E+01	0.88	95.18	1.585	5.59E+01
0.622	9.43E+01	0.884	95.11	1.586	6.89E+01
0.624	9.49E+01	0.888	94.43	1.587	7.78E+01
0.626	9.54E+01	0.892	92.81	1.588	8.44E+01
0.628	9.63E+01	0.896	91.02	1.589	8.93E+01
0.63	9.79E+01	0.9	89.44	1.59	9.10E+01
0.632	9.86E+01	0.904	88.88	1.591	9.23E+01
0.634	9.91E+01	0.908	89.21	1.592	9.30E+01

0.636	9.95E+01	0.912	90.36	1.593	9.44E+01
0.638	9.98E+01	0.916	91.22	1.594	9.49E+01
0.64	9.99E+01	0.92	91.46	1.595	9.57E+01
0.642	1.00E+02	0.924	90.35	1.596	9.73E+01
0.644	9.99E+01	0.928	87.95	1.597	9.79E+01
0.646	9.96E+01	0.932	84.87	1.598	9.86E+01
0.648	9.94E+01	0.936	82.03	1.599	9.89E+01
0.65	9.90E+01	0.94	79.5	1.6	1.00E+02
0.652	9.85E+01	0.944	76.57	1.601	1.00E+02
0.654	9.83E+01	0.948	74.83	1.602	9.97E+01
0.656	9.75E+01	0.952	73.65	1.603	9.94E+01
0.658	9.68E+01	0.956	72.88	1.604	9.93E+01
0.66	9.39E+01	0.96	71.94	1.605	9.97E+01
0.662	9.03E+01	0.964	70.35	1.606	9.86E+01
0.664	8.72E+01	0.968	68.07	1.607	9.89E+01
0.666	8.58E+01	0.972	64.66	1.608	9.85E+01
0.668	8.67E+01	0.976	58.28	1.609	9.87E+01
0.67	9.05E+01	0.98	47.82	1.61	9.93E+01
0.672	9.55E+01	0.984	36.17	1.611	9.88E+01
0.674	9.54E+01	0.988	26.13	1.612	9.80E+01
0.676	8.24E+01	0.992	18.44	1.613	9.56E+01
0.678	5.58E+01	0.996	12.57	1.614	9.41E+01
0.68	3.24E+01	1	7.841	1.615	9.14E+01
0.682	1.75E+01	1.004	4.366	1.616	8.86E+01
0.684	9.41E+00	1.008	2.168	1.617	8.55E+01
0.686	5.24E+00	1.012	1.005	1.618	8.26E+01
0.688	3.02E+00	1.016	0.4644	1.619	7.93E+01
0.69	1.83E+00	1.02	0.2165	1.62	7.60E+01
0.692	1.16E+00	1.024	0.1022	1.621	7.54E+01
0.694	7.53E-01	1.028	0.05075	1.622	7.40E+01
0.696	4.93E-01	1.032	0.02385	1.623	7.44E+01
0.698	3.34E-01	1.036	0.01453	1.624	7.48E+01
0.7	2.23E-01	1.04	0.005131	1.625	7.69E+01
0.702	1.55E-01	1.044	0.000853	1.626	7.87E+01
0.704	1.07E-01	1.048	-0.00134	1.627	8.02E+01
0.706	8.13E-02	1.052	-0.00279	1.628	7.95E+01
0.708	6.94E-02	1.056	-0.00328	1.629	7.57E+01

0.71	4.66E-02	1.06	-0.00467	1.63	6.74E+01
0.712	-1.23E-02	1.064	-0.00314	1.631	5.59E+01
0.714	-1.78E-03	1.068	-0.00288	1.632	4.20E+01
0.716	-8.65E-03	1.072	-0.00421	1.633	2.93E+01
0.718	8.84E-03	-	-	1.634	2.08E+01
0.72	-1.28E-02	-	-	1.635	1.37E+01
0.722	-2.40E-03	-	-	1.636	9.14E+00
0.724	6.13E-04	-	-	1.637	6.02E+00
0.726	-2.98E-03	-	-	1.638	4.28E+00
0.728	-2.89E-03	-	-	1.639	2.91E+00
0.73	-5.70E-04	-	-	1.64	2.02E+00
0.732	-1.17E-02	-	-	1.641	1.42E+00
0.734	-4.32E-03	-	-	1.642	1.02E+00
0.736	-8.49E-03	-	-	1.643	6.95E-01
0.738	-6.29E-03	-	-	1.644	4.96E-01
0.74	-9.01E-03	-	-	1.645	3.40E-01
0.742	-5.32E-03	-	-	1.646	2.34E-01
0.744	-6.18E-03	-	-	1.647	1.41E-01
0.746	-3.80E-03	-	-	1.648	7.98E-02
0.748	-1.09E-02	-	-	1.649	8.64E-02
0.75	-9.46E-03	-	-	1.65	5.40E-02
0.752	-2.65E-03	-	-	1.651	4.02E-02
0.754	-2.55E-03	-	-	1.652	6.80E-02
0.756	-4.70E-03	-	-	1.653	3.55E-02
0.758	1.20E-03	-	-	1.654	2.61E-02
0.76	-8.20E-03	-	-	1.655	2.62E-02
0.762	-2.02E-03	-	-	1.656	4.45E-02
0.764	-9.82E-03	-	-	1.657	-2.44E-02
0.766	-3.92E-03	-	-	1.658	-2.76E-03
0.768	-9.07E-03	-	-	1.659	-1.17E-02
0.77	-2.10E-04	-	-	1.66	-2.16E-02
0.772	-2.13E-04	-	-	1.661	1.84E-02
0.774	-9.64E-03	-	-	1.662	-3.62E-03
0.776	-2.49E-03	-	-	1.663	-1.16E-02
0.778	-9.89E-03	-	-	1.664	-9.81E-03
0.78	-4.03E-03	-	-	1.665	1.43E-03
0.782	-3.63E-03	-	-	1.666	-2.12E-02

0.784	-6.54E-03	-	-	1.667	-8.39E-03
0.786	-5.73E-03	-	-	1.668	1.54E-02
0.788	-9.35E-03	-	-	1.669	6.32E-03
0.79	-1.04E-02	-	-	1.67	3.88E-03
0.792	-6.14E-03	-	-	1.671	-2.05E-02
0.794	-1.16E-02	-	-	1.672	-9.59E-03
0.796	-1.52E-02	-	-	1.673	-2.17E-02
0.798	-3.57E-03	-	-	1.674	2.43E-03
0.8	-2.27E-03	-	-	1.675	4.51E-02
0.802	-7.55E-03	-	-	1.676	-1.45E-02
0.804	-7.29E-03	-	-	1.677	6.86E-03
0.806	-1.15E-02	-	-	1.678	4.28E-04
0.808	-7.96E-04	-	-	1.679	1.91E-02
0.81	4.68E-03	-	-	1.68	-3.03E-02
0.812	-1.71E-03	-	-	1.681	1.51E-02
0.814	-1.43E-02	-	-	1.682	-4.49E-03
0.816	-1.63E-02	-	-	1.683	-2.36E-02
0.818	-3.39E-03	-	-	1.684	2.75E-02
0.82	-3.40E-03	-	-	1.685	2.65E-03
0.822	7.45E-03	-	-	1.686	8.91E-03
0.824	-8.41E-03	-	-	1.687	-2.64E-02
0.826	-1.70E-02	-	-	1.688	-1.55E-02
0.828	-9.74E-03	-	-	1.689	-1.34E-02
0.83	-1.77E-03	-	-	1.69	1.60E-02
-	-	-	-	1.691	1.78E-02
-	-	-	-	1.692	-2.36E-02
-	-	-	-	1.693	9.42E-03
-	-	-	-	1.694	1.47E-03
-	-	-	-	1.695	5.46E-02
-	-	-	-	1.696	-3.36E-02
-	-	-	-	1.697	5.38E-02
-	-	-	-	1.698	-2.11E-02
-	-	-	-	1.699	-1.63E-02
-	-	-	-	1.7	-3.32E-02
-	-	-	-	1.701	3.33E-03
-	-	-	-	1.702	3.37E-02
-	-	-	-	1.703	-1.14E-02

-	-	-	-	1.704	-3.39E-03
-	-	-	-	1.705	-4.02E-03
-	-	-	-	1.706	-3.38E-03
-	-	-	-	1.707	1.66E-03
-	-	-	-	1.708	-1.45E-02
-	-	-	-	1.709	-3.20E-03
-	-	-	-	1.71	1.21E-02
-	-	-	-	1.711	-1.70E-02
-	-	-	-	1.712	-4.39E-03
-	-	-	-	1.713	2.47E-03
-	-	-	-	1.714	2.71E-02
-	-	-	-	1.715	-2.15E-02
-	-	-	-	1.716	-7.65E-04
-	-	-	-	1.717	2.69E-02
-	-	-	-	1.718	-2.53E-02
-	-	-	-	1.719	4.46E-04
-	-	-	-	1.72	3.16E-02
-	-	-	-	1.721	4.28E-02
-	-	-	-	1.722	2.65E-03
-	-	-	-	1.723	-7.66E-03
-	-	-	-	1.724	-1.32E-02
-	-	-	-	1.725	-6.39E-03
-	-	-	-	1.726	-1.15E-02
-	-	-	-	1.727	1.57E-02
-	-	-	-	1.728	-1.23E-02
-	-	-	-	1.729	3.96E-02
-	-	-	-	1.73	4.39E-02

Table D.1-13. NOAA-15 AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.					
Channel 3B		Channel 4		Channel 5	
Wavelength (microns)	Relative Response (percent)	Wavelength (microns)	Relative Response (percent)	Wavelength (microns)	Relative Response (percent)
2.98	-5.33E-03	8.8	-1.02E-02	10	-0.01718
2.987	6.70E-04	8.82	-2.08E-02	10.02	0.01368
2.994	-2.19E-03	8.84	-1.94E-02	10.04	0.01239

3.001	-5.91E-03	8.86	8.72E-02	10.06	0.02233
3.008	-7.43E-03	8.88	1.54E-02	10.08	0.008345
3.015	-5.05E-03	8.9	5.83E-02	10.1	-0.00312
3.022	1.26E-02	8.92	-2.45E-02	10.12	-0.0178
3.029	-6.29E-03	8.94	-3.48E-02	10.14	-0.00268
3.036	-5.18E-03	8.96	1.00E-02	10.16	0.006425
3.043	7.31E-04	8.98	4.97E-03	10.18	0.005376
3.05	4.23E-03	9	-5.42E-03	10.2	-0.00791
3.057	6.79E-03	9.02	1.39E-03	10.22	-0.00298
3.064	2.79E-03	9.04	5.58E-03	10.24	-0.00534
3.071	1.77E-03	9.06	7.56E-02	10.26	0.006877
3.078	-3.74E-03	9.08	-2.23E-02	10.28	-0.0124
3.085	-5.08E-03	9.1	-1.50E-02	10.3	0.005085
3.092	1.12E-02	9.12	3.81E-02	10.32	-0.00802
3.099	3.22E-03	9.14	5.58E-02	10.34	-0.0091
3.106	5.56E-03	9.16	7.42E-02	10.36	-0.01615
3.113	2.18E-03	9.18	-4.41E-02	10.38	-0.02473
3.12	-3.02E-03	9.2	6.89E-02	10.4	-0.00515
3.127	-1.34E-02	9.22	6.01E-03	10.42	0.001558
3.134	4.65E-03	9.24	1.92E-02	10.44	0.001468
3.141	9.56E-03	9.26	-2.99E-02	10.46	0.003179
3.148	-7.04E-03	9.28	-1.99E-02	10.48	-0.01883
3.155	-2.26E-03	9.3	-1.91E-02	10.5	0.01178
3.162	-1.48E-03	9.32	8.45E-02	10.52	-0.01461
3.169	-9.48E-03	9.34	-2.89E-02	10.54	-0.02997
3.176	1.25E-02	9.36	1.52E-02	10.56	-0.01002
3.183	-1.01E-02	9.38	-3.27E-02	10.58	-0.00657
3.19	1.42E-03	9.4	1.18E-02	10.6	0.04466
3.197	1.28E-02	9.42	-1.70E-02	10.62	-0.00887
3.204	-5.09E-03	9.44	8.85E-02	10.64	-0.02185
3.211	1.63E-03	9.46	5.42E-03	10.66	-0.0152
3.218	-1.25E-02	9.48	4.21E-02	10.68	-0.01477
3.225	-8.72E-03	9.5	-1.03E-02	10.7	-0.00075
3.232	-8.99E-04	9.52	5.79E-02	10.72	-0.01821
3.239	2.38E-03	9.54	3.27E-02	10.74	-0.02578
3.246	3.48E-03	9.56	5.63E-02	10.76	-0.01788
3.253	-8.27E-03	9.58	9.98E-02	10.78	-0.01438

3.26	1.63E-03	9.6	8.70E-03	10.8	-0.01731
3.267	-9.12E-04	9.62	-8.07E-03	10.82	-0.02694
3.274	1.30E-03	9.64	-1.74E-02	10.84	-0.01319
3.281	1.97E-04	9.66	8.32E-02	10.86	-0.02089
3.288	9.65E-03	9.68	6.41E-02	10.88	-0.02905
3.295	-1.65E-02	9.7	-4.69E-02	10.9	-0.01403
3.302	-9.21E-03	9.72	3.17E-02	10.92	-0.03692
3.309	5.35E-03	9.74	3.37E-02	10.94	-0.03885
3.316	6.96E-04	9.76	4.44E-03	10.96	-0.02523
3.323	-6.46E-03	9.78	6.34E-02	10.98	-0.04224
3.33	-4.28E-03	9.8	5.60E-02	11	-0.02871
3.337	-3.65E-03	9.82	1.18E-02	11.02	0.002417
3.344	-3.34E-03	9.84	1.77E-02	11.04	-0.03712
3.351	6.19E-03	9.86	3.17E-02	11.06	-0.03634
3.358	9.95E-03	9.88	-3.60E-02	11.08	-0.03161
3.365	4.28E-03	9.9	4.91E-02	11.1	-0.03004
3.372	-1.10E-03	9.92	4.36E-02	11.12	-0.0221
3.379	2.97E-03	9.94	3.05E-02	11.14	-0.03151
3.386	1.34E-03	9.96	-5.04E-02	11.16	0.09032
3.393	2.06E-02	9.98	8.07E-02	11.18	-0.03302
3.4	5.57E-03	10	-2.51E-02	11.2	-0.00714
3.407	-1.19E-02	10.02	-2.91E-02	11.22	-0.04278
3.414	1.17E-02	10.04	1.16E-01	11.24	-0.03783
3.421	9.20E-03	10.06	1.62E-01	11.26	0.007625
3.428	1.82E-02	10.08	2.94E-01	11.28	0.01115
3.435	2.84E-02	10.1	4.37E-01	11.3	0.06993
3.442	4.85E-02	10.12	7.59E-01	11.32	0.1968
3.449	6.73E-02	10.14	1.31E+00	11.34	0.5368
3.456	1.18E-01	10.16	2.20E+00	11.36	1.365
3.463	1.79E-01	10.18	3.68E+00	11.38	3.396
3.47	2.90E-01	10.2	5.92E+00	11.4	8.206
3.477	4.25E-01	10.22	9.32E+00	11.42	18.79
3.484	7.14E-01	10.24	1.43E+01	11.44	36.95
3.491	1.15E+00	10.26	1.96E+01	11.46	57.99
3.498	1.86E+00	10.28	2.81E+01	11.48	73.26
3.505	3.12E+00	10.3	3.68E+01	11.5	78
3.512	5.37E+00	10.32	4.62E+01	11.52	76.63

3.519	9.45E+00	10.34	5.58E+01	11.54	75.95
3.526	1.64E+01	10.36	6.52E+01	11.56	77.55
3.533	2.72E+01	10.38	7.26E+01	11.58	80.71
3.54	4.18E+01	10.4	8.07E+01	11.6	85.08
3.547	5.81E+01	10.42	8.58E+01	11.62	88.18
3.554	7.20E+01	10.44	8.87E+01	11.64	91.65
3.561	8.02E+01	10.46	9.18E+01	11.66	94.59
3.568	8.34E+01	10.48	9.25E+01	11.68	96.8
3.575	8.40E+01	10.5	9.29E+01	11.7	97.46
3.582	8.43E+01	10.52	9.34E+01	11.72	98.8
3.589	8.52E+01	10.54	9.38E+01	11.74	99.57
3.596	8.60E+01	10.56	9.48E+01	11.76	100
3.603	8.77E+01	10.58	9.53E+01	11.78	99.62
3.61	8.93E+01	10.6	9.60E+01	11.8	99.06
3.617	9.06E+01	10.62	9.62E+01	11.82	99.37
3.624	9.19E+01	10.64	9.72E+01	11.84	99.33
3.631	9.29E+01	10.66	9.69E+01	11.86	99.74
3.638	9.39E+01	10.68	9.72E+01	11.88	99.66
3.645	9.46E+01	10.7	9.76E+01	11.9	99.23
3.652	9.53E+01	10.72	9.73E+01	11.92	98.73
3.659	9.59E+01	10.74	9.67E+01	11.94	98
3.666	9.60E+01	10.76	9.69E+01	11.96	96.31
3.673	9.65E+01	10.78	9.64E+01	11.98	95.28
3.68	9.68E+01	10.8	9.60E+01	12	92.88
3.687	9.70E+01	10.82	9.57E+01	12.02	91.97
3.694	9.73E+01	10.84	9.48E+01	12.04	89.99
3.701	9.78E+01	10.86	9.59E+01	12.06	88.81
3.708	9.81E+01	10.88	9.54E+01	12.08	87.92
3.715	9.89E+01	10.9	9.62E+01	12.1	86.61
3.722	9.96E+01	10.92	9.54E+01	12.12	86.62
3.729	9.98E+01	10.94	9.77E+01	12.14	86.2
3.736	1.00E+02	10.96	9.64E+01	12.16	85.11
3.743	9.98E+01	10.98	9.95E+01	12.18	84.93
3.75	9.89E+01	11	9.84E+01	12.2	84.49
3.757	9.78E+01	11.02	9.95E+01	12.22	83.16
3.764	9.69E+01	11.04	9.89E+01	12.24	83.14
3.771	9.58E+01	11.06	9.99E+01	12.26	82.94

3.778	9.53E+01	11.08	1.00E+02	12.28	83
3.785	9.46E+01	11.1	9.85E+01	12.3	82.29
3.792	9.42E+01	11.12	9.84E+01	12.32	83.04
3.799	9.47E+01	11.14	9.75E+01	12.34	82.64
3.806	9.53E+01	11.16	9.65E+01	12.36	79.33
3.813	9.38E+01	11.18	9.41E+01	12.38	72.05
3.82	9.37E+01	11.2	9.19E+01	12.4	61.43
3.827	9.03E+01	11.22	8.83E+01	12.42	45.85
3.834	8.55E+01	11.24	8.36E+01	12.44	31.29
3.841	7.86E+01	11.26	7.72E+01	12.46	18.96
3.848	7.03E+01	11.28	6.96E+01	12.48	10.67
3.855	6.13E+01	11.3	6.12E+01	12.5	5.644
3.862	5.35E+01	11.32	5.17E+01	12.52	3.004
3.869	4.63E+01	11.34	4.24E+01	12.54	1.614
3.876	4.02E+01	11.36	3.18E+01	12.56	0.872
3.883	3.51E+01	11.38	2.52E+01	12.58	0.4295
3.89	3.10E+01	11.4	1.80E+01	12.6	0.2285
3.897	2.79E+01	11.42	1.24E+01	12.62	0.1242
3.904	2.53E+01	11.44	8.14E+00	12.64	0.01651
3.911	2.33E+01	11.46	5.19E+00	12.66	0.06634
3.918	2.17E+01	11.48	3.20E+00	12.68	-0.00409
3.925	2.03E+01	11.5	1.95E+00	12.7	-0.05798
3.932	1.91E+01	11.52	1.24E+00	12.72	-0.0379
3.939	1.78E+01	11.54	8.38E-01	12.74	-0.03205
3.946	1.66E+01	11.56	6.35E-01	12.76	-0.02114
3.953	1.53E+01	11.58	3.23E-01	12.78	-0.01404
3.96	1.39E+01	11.6	1.57E-01	12.8	-0.05854
3.967	1.23E+01	11.62	2.22E-01	12.82	-0.01372
3.974	1.07E+01	11.64	2.01E-02	12.84	0.00535
3.981	9.18E+00	11.66	2.10E-02	12.86	-0.05936
3.988	7.73E+00	11.68	-1.89E-02	12.88	-0.0092
3.995	6.40E+00	11.7	4.87E-02	12.9	0.03554
4.002	5.24E+00	11.72	7.92E-02	12.92	-0.02829
4.009	4.30E+00	11.74	-2.04E-01	12.94	-0.1382
4.016	3.35E+00	11.76	7.59E-02	12.96	-0.06196
4.023	2.59E+00	11.78	-7.32E-02	12.98	-0.07797
4.03	2.01E+00	11.8	-1.69E-02	13	-0.02167

4.037	1.53E+00	11.82	-2.52E-02	13.02	-0.0807
4.044	1.13E+00	11.84	-8.53E-02	13.04	-0.03203
4.051	8.36E-01	11.86	-5.07E-02	13.06	-0.05031
4.058	6.09E-01	11.88	-1.53E-01	13.08	0.02559
4.065	4.26E-01	11.9	-1.89E-01	13.1	-0.1129
4.072	3.18E-01	11.92	7.63E-02	13.12	-0.06401
4.079	2.29E-01	11.94	1.19E-01	13.14	0.01219
4.086	1.37E-01	11.96	-1.62E-01	13.16	-0.05337
4.093	1.11E-01	11.98	-9.78E-03	13.18	-0.06573
4.1	8.49E-02	12	8.58E-02	13.2	-0.06036
4.107	4.35E-02	12.02	-5.72E-02	13.22	-0.08728
4.114	4.36E-02	12.04	-7.14E-02	13.24	-0.00695
4.121	2.51E-02	12.06	-5.28E-02	13.26	-0.1051
4.128	1.59E-02	12.08	-3.93E-02	13.28	-0.0418
4.135	1.73E-02	12.1	9.50E-02	13.3	0.04034
4.142	-3.35E-03	12.12	-1.63E-02	13.32	-0.04083
4.149	4.29E-03	12.14	-1.55E-01	13.34	-0.03609
4.156	1.28E-02	12.16	-1.52E-01	13.36	0.05117
4.163	5.18E-03	12.18	-9.22E-02	13.38	-0.09669
4.17	-1.21E-02	12.2	-3.10E-02	13.4	-0.04841
4.177	-1.47E-02	12.22	-1.65E-01	13.42	0.06506
4.184	1.84E-03	12.24	-7.64E-03	13.44	-0.02134
4.191	1.67E-02	12.26	5.27E-02	13.46	-0.05594
4.198	-1.43E-02	12.28	7.81E-03	13.48	-0.05692
4.205	2.69E-02	12.3	-2.03E-01	13.5	-0.02644
4.212	-3.97E-02	12.32	1.48E-01	13.52	-0.02655
4.219	1.94E-01	12.34	-2.48E-01	13.54	0.002502
4.226	1.01E-01	12.36	-2.19E-02	13.56	0.01433
4.233	4.07E-01	12.38	7.63E-02	13.58	0.1242
4.24	-5.30E-03	12.4	-1.93E-01	13.6	-0.07373
4.247	3.88E-01	12.42	8.17E-02	13.62	0.009827
4.254	1.59E-01	12.44	-2.46E-01	13.64	0.04414
4.261	-1.64E-01	12.46	3.50E-03	13.66	0.173
4.268	4.84E-01	12.48	-7.85E-02	13.68	-0.00284
4.275	2.28E-01	12.5	-1.37E-01	13.7	-0.03651
4.282	5.08E-01	12.52	-1.83E-01	13.72	-0.04327
4.289	2.41E-01	12.54	-1.98E-01	13.74	-0.06956

4.296	4.42E-01	12.56	3.65E-01	13.76	0.0289
4.303	-2.23E-02	12.58	-1.97E-01	13.78	-0.01799
4.31	9.88E-02	12.6	-7.56E-02	13.8	-0.09179
4.317	-7.26E-03	12.62	-4.45E-03	13.82	-0.01087
4.324	-6.38E-02	12.64	4.34E-02	13.84	0.3827
4.331	6.46E-02	12.66	-5.97E-02	13.86	0.1003
4.338	-3.73E-02	12.68	9.92E-02	13.88	0.08051
4.345	-5.50E-02	12.7	-3.98E-02	13.9	-0.00593
4.352	-9.98E-03	12.72	1.37E-01	13.92	0.08185
4.359	3.11E-02	12.74	-3.37E-01	13.94	-0.06929
4.366	-9.36E-03	12.76	-2.16E-01	13.96	-0.08804
4.373	-6.79E-03	12.78	7.61E-02	13.98	-0.08699
4.38	4.50E-03	12.8	3.69E-02	14	-0.0497
4.387	-1.79E-02	-	-	-	-
4.394	-8.33E-03	-	-	-	-
4.401	2.63E-02	-	-	-	-
4.408	5.88E-03	-	-	-	-
4.415	-1.32E-02	-	-	-	-
4.422	1.09E-02	-	-	-	-
4.429	1.08E-02	-	-	-	-
4.436	-3.89E-03	-	-	-	-
4.443	-2.78E-02	-	-	-	-
4.45	4.33E-03	-	-	-	-
4.457	-1.53E-02	-	-	-	-
4.464	1.13E-02	-	-	-	-
4.471	-8.95E-03	-	-	-	-
4.478	-1.10E-02	-	-	-	-
4.485	-9.98E-03	-	-	-	-
4.492	5.32E-03	-	-	-	-
4.499	6.71E-03	-	-	-	-

Table D.1-14 contains the radiance of space and coefficients for nonlinear radiance correction quadratic for NOAA-15.

Table D.1-14. NOAA-15 Radiance of Space and Coefficients for Nonlinear Radiance Correction Quadratic.				
	N_s	b₀	b₁	b₂

Channel 4	-4.50	4.76	-0.0932	0.0004524
Channel 5	-3.61	3.83	-0.0659	0.0002811

Table D.1-15 gives the PRT temperature conversion coefficients for NOAA-15 AMSU.

Table D.1-15. NOAA-15 AMSU PRT Temperature Conversion Coefficients.				
	Coefficient 0	Coefficient 1	Coefficient 2	Coefficient 3
A1-1 Warm Load 1 Temperature	0.254102E+03	0.168832E-02	0.624164E-08	0.333281E-13
A1-1 Warm Load 2 Temperature	0.254288E+03	0.168747E-02	0.632825E-08	0.320118E-13
A1-1 Warm Load 3 Temperature	0.254081E+03	0.168386E-02	0.640983E-08	0.301406E-13
A1-1 Warm Load 4 Temperature	0.253989E+03	0.168390E-02	0.644731E-08	0.294864E-13
A1-1 Warm Load Center Temperature	0.254100E+03	0.168130E-02	0.655349E-08	0.274291E-13
A1-2 Warm Load 1 Temperature	0.254276E+03	0.168507E-02	0.637018E-08	0.306854E-13
A1-2 Warm Load 2 Temperature	0.253976E+03	0.168490E-02	0.641530E-08	0.299593E-13
A1-2 Warm Load 3 Temperature	0.254038E+03	0.168658E-02	0.614662E-08	0.354148E-13
A1-2 Warm Load 4 Temperature	0.254105E+03	0.168449E-02	0.626281E-08	0.331058E-13
A1-2 Warm Load Center Temperature	0.254142E+03	0.168526E-02	0.631001E-08	0.314208E-13
A2 Warm Load Center Temp. Conv.	0.253999E+03	0.163887E-02	0.600702E-08	0.281246E-13
A2 Warm Load 1 Temp. Conv.	0.254040E+03	0.163678E-02	0.602736E-08	0.282433E-
A2 Warm Load 2 Temp. Conv.	0.253935E+03	0.164220E-02	0.598113E-08	0.291885E-13

A2 Warm Load 3 Temp. Conv	0.254019E+03	0.163882E-02	0.601815E-08	0.285995E-13
A2 Warm Load 4 Temp. Conv.	0.253992E+03	0.163881E-02	0.604819E-08	0.274072E-13
A2 Warm Load 5 Temp. Conv.	0.253974E+03	0.163862E-02	0.600312E-08	0.279964E-13
A2 Warm Load 6 Temp. Conv.	0.253994E+03	0.163795E-02	0.606631E-08	0.266802E-13
AMSU-B Calibration Target Temperature 1	0.262050E+03	0.765000E-03	0.122400E-08	0.256000E-14
AMSU-B Calibration Target Temperature 2	0.262110E+03	0.765500E-03	0.121900E-08	0.263000E-14
AMSU-B Calibration Target Temperature 3	0.262090E+03	0.765400E-03	0.122500E-08	0.255000E-14
AMSU-B Calibration Target Temperature 4	0.261930E+03	0.766800E-03	0.117200E-08	0.291000E-14
AMSU-B Calibration Target Temperature 5	0.261950E+03	0.764800E-03	0.122500E-08	0.255000E-14
AMSU-B Calibration Target Temperature 6	0.261980E+03	0.765600E-03	0.122600E-08	0.254000E-14
AMSU-B Calibration Target Temperature 7	0.262000E+03	0.765200E-03	0.122100E-08	0.257000E-14

Table D.1-16 contains the secondary telescope count to temperature coefficients for the NOAA-15 HIRS/302 instrument.

Table D.1-16. NOAA-15 HIRS/302 Secondary Telescope Temperature Coefficients (K).				
a₀	a₁	a₂	a₃	a₄
260.29119	1.693469E-02	-2.413170E-06	4.019185E-10	1.175655E-14

D.2 NOAA-16 (L)

Launch date: September 21, 2000

Operational dates: March 20, 2001 - present

Afternoon orbit: 1400 LST ascending node, 0200 LST descending node

AVHRR instrument: 6 channels (AVHRR/3)

Spacecraft ID: 2

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>

Table D.2-1 contains the measured channel characteristics for NOAA-16 AMSU-A (channels 1-15) and AMSU-B (channels 16-20). Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.2-1. Measured Channel Characteristics for NOAA-16 AMSU-A and AMSU-B.							
Ch #	Instrument/ Serial #	Central Frequency (Ghz)	Central Wavenumber (cm⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f₁)	End (f₂)	Begin (f₃)	End (f₄)
1*	A2/FM1	23.800110	0.793886	0.00858	0.13403	N/A	N/A
2*	A2/FM1	31.400580	1.047411	0.00887	0.08957	N/A	N/A
3*	A1-2/PFM	50.299700	1.677817	0.00898	0.08956	N/A	N/A
4*	A1-2/PFM	52.800740	1.761243	0.00891	0.19916	N/A	N/A
5	A1-2/PFM	53.595470	1.787752	0.03094	0.19920	N/A	N/A
6*	A1-1/PFM	54.399780	1.814581	0.00892	0.19922	N/A	N/A
7*	A1-1/PFM	54.940770	1.832626	0.00888	0.19919	N/A	N/A
8*	A1-2/PFM	55.499540	1.851265	0.00894	0.16402	N/A	N/A
9*	A1-1/PFM	57.290324	1.910999	0.00887	0.16417	N/A	N/A
10	A1-1/PFM	57.290324	1.910999	0.17876	0.25545	N/A	N/A
11	A1-1/PFM	57.290324	1.910999	0.257140	0.291780	0.353095	0.387585
12	A1-1/PFM	57.290324	1.910999	0.292715	0.308025	0.336865	0.351875
13	A1-1/PFM	57.290324	1.910999	0.308195	0.316165	0.328350	0.336250
14	A1-1/PFM	57.290324	1.910999	0.316325	0.319255	0.325340	0.328240
15	A1-1/PFM	88.999800	2.968713	0.49943	1.49645	N/A	N/A
16	B/FM2	89.005600	2.968907	0.399	1.405	N/A	N/A
17	B/FM2	150.008000	5.003728	0.397	1.397	N/A	N/A
18	B/FM2	183.299000	6.114196	0.751	1.245	N/A	N/A
19	B/FM2	183.299000	6.114196	2.507	3.485	N/A	N/A
20	B/FM2	183.299000	6.114196	6.011	7.989	N/A	N/A
* The lower frequency cutoff in these single passband channels is due to the stop band.							

Table D.2-2 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-16 HIRS/301 instrument.

Table D.2-2. NOAA-16 IWT PRT Count to Temperature Coefficients for HIRS/301.					
PRT	a₀	a₁	a₂	a₃	a₄
1	301.45076	6.530210E-03	8.326151E-08	4.724724E-11	1.565263E-15
2	301.39565	6.527550E-03	8.417738E-08	4.727738E-11	1.460746E-15
3	301.40733	6.528222E-03	8.314237E-08	4.721744E-11	1.543985E-15
4	301.40280	6.525508E-03	8.269671E-08	4.707211E-11	1.549894E-15

The slope and intercept for the NOAA-16 HIRS/301 visible channel (Channel 20) are given in Table D.2-3.

Table D.2-3. NOAA-16 HIRS/301 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.021354	51.4852
Post-launch calibration (May 2002)	0.02611	62.3307
Notes: 1. To retrieve the albedo, use the following equation: $\text{albedo} = (\text{intercept} + \text{slope} \times C) / \cos(z)$, where C=earth view count and z=solar zenith angle. Both C and z vary from pixel to pixel. 2. Post launch calibration is traceable to the Libyan desert calibration site, for which the HIRS channel 20 albedo is ~36.1%. Further update to these coefficients may be needed as the instrument degrades over time.		

Table D.2-4 contains the NOAA-16 HIRS/301 central wave numbers and band correction coefficients for the thermal channels.

Table D.2-4. NOAA-16 HIRS/301 Central Wave Numbers and Band Correction Coefficients.			
Channel	n_c	b	c
1	669.63	-0.20343166E-01	0.10000410E+01
2	679.62	-0.37903808E-01	0.10000601E+01
3	691.34	0.46412162E-01	0.99985170E+00
4	701.21	-0.10939109E+00	0.10001678E+01
5	715.97	-0.93730390E-01	0.10001240E+01
6	731.48	0.46898678E-01	0.99985778E+00
7	748.81	-0.16370463E+00	0.10002537E+01
8	894.57	-0.45792717E+00	0.10003786E+01
9	1031.61	-0.31440780E-01	0.99980080E+00
10	803.03	-0.71182311E-01	0.10000648E+01
11	1362.17	-0.65910578E-01	0.99942523E+00
12	1524.87	0.18643104E-01	0.99923688E+00
13	2184.24	-0.53380642E-01	0.99932522E+00
14	2205.76	0.39597461E-03	0.99979341E+00
15	2234.22	0.43904714E-01	0.10001879E+01
16	2243.77	0.42705547E-01	0.10001974E+01
17	2415.06	-0.26972126E-01	0.99926430E+00
18	2515.56	-0.14948003E-01	0.99946713E+00
19	2663.39	0.22977877E+00	0.99900633E+00

Table D.2-5 contains the secondary telescope count to temperature coefficients for the NOAA-16 HIRS/301 instrument.

Table D.2-5. NOAA-16 HIRS/301 Secondary Telescope Temperature Coefficients.				
a₀	a₁	a₂	a₃	a₄

260.42546	1.659977E-02	-2.118035E-06	3.040075E-10	2.251628E-14
-----------	--------------	---------------	--------------	--------------

Table D.2-6 contains the actual filter functions for NOAA-16 HIRS/301.

Table D.2-6. Normalized Response Functions for the NOAA-16 HIRS/301 Thermal Channels.				
Channel 1				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
6.75350E+02	0.00000E+00	1.42260E-01	0.00000E+00	0.00000E+00
6.75280E+02	1.58600E-02	1.42170E-01	2.25470E-03	3.82080E-02
6.75240E+02	2.50420E-02	1.42100E-01	3.55850E-03	6.03010E-02
6.75120E+02	3.17200E-02	1.41940E-01	4.50220E-03	7.62940E-02
6.74920E+02	3.25540E-02	1.41660E-01	4.61170E-03	7.81490E-02
6.74560E+02	3.00500E-02	1.41170E-01	4.24230E-03	7.18900E-02
6.74450E+02	2.08680E-02	1.41010E-01	2.94260E-03	4.98640E-02
6.74360E+02	1.75290E-02	1.40880E-01	2.46950E-03	4.18490E-02
6.74260E+02	2.25380E-02	1.40720E-01	3.17150E-03	5.37440E-02
6.74190E+02	3.67280E-02	1.40610E-01	5.16440E-03	8.75160E-02
6.74090E+02	5.00840E-02	1.40470E-01	7.03520E-03	1.19220E-01
6.74000E+02	4.34060E-02	1.40330E-01	6.09100E-03	1.03220E-01
6.73870E+02	3.17200E-02	1.40130E-01	4.44480E-03	7.53220E-02
6.73780E+02	3.50580E-02	1.39990E-01	4.90770E-03	8.31650E-02
6.73660E+02	4.92490E-02	1.39810E-01	6.88540E-03	1.16680E-01
6.73520E+02	6.26040E-02	1.39600E-01	8.73930E-03	1.48090E-01
6.73330E+02	6.67780E-02	1.39310E-01	9.30290E-03	1.57650E-01
6.73190E+02	7.76290E-02	1.39100E-01	1.07980E-02	1.82980E-01
6.73100E+02	9.09850E-02	1.38950E-01	1.26430E-02	2.14240E-01
6.72920E+02	9.01500E-02	1.38690E-01	1.25030E-02	2.11870E-01
6.72820E+02	8.26380E-02	1.38550E-01	1.14490E-02	1.94010E-01
6.72700E+02	7.17860E-02	1.38300E-01	9.92770E-03	1.68230E-01
6.72590E+02	6.34390E-02	1.38070E-01	8.75880E-03	1.48430E-01
6.72500E+02	7.59600E-02	1.37860E-01	1.04720E-02	1.77460E-01
6.72340E+02	9.68280E-02	1.37530E-01	1.33170E-02	2.25670E-01
6.72190E+02	1.16030E-01	1.37200E-01	1.59190E-02	2.69770E-01
6.72130E+02	1.30220E-01	1.37080E-01	1.78500E-02	3.02480E-01
6.72010E+02	1.41070E-01	1.36820E-01	1.93010E-02	3.27070E-01
6.71860E+02	1.48580E-01	1.36490E-01	2.02800E-02	3.43650E-01
6.71750E+02	1.59430E-01	1.36230E-01	2.17200E-02	3.68070E-01
6.71680E+02	1.73620E-01	1.36080E-01	2.36270E-02	4.00380E-01
6.71600E+02	1.95330E-01	1.35930E-01	2.65510E-02	4.49920E-01

6.71510E+02	2.11180E-01	1.35720E-01	2.86610E-02	4.85690E-01
6.71430E+02	2.22040E-01	1.35530E-01	3.00920E-02	5.09930E-01
6.71300E+02	2.29550E-01	1.35230E-01	3.10410E-02	5.26020E-01
6.71230E+02	2.40400E-01	1.35060E-01	3.24690E-02	5.50220E-01
6.71150E+02	2.59600E-01	1.34870E-01	3.50130E-02	5.93330E-01
6.71100E+02	2.72120E-01	1.34770E-01	3.66730E-02	6.21460E-01
6.70970E+02	2.77960E-01	1.34470E-01	3.73770E-02	6.33390E-01
6.70850E+02	2.87140E-01	1.34200E-01	3.85340E-02	6.53000E-01
6.70780E+02	2.98000E-01	1.34080E-01	3.99550E-02	6.77080E-01
6.70730E+02	3.10520E-01	1.33980E-01	4.16050E-02	7.05030E-01
6.70660E+02	3.30550E-01	1.33870E-01	4.42510E-02	7.49870E-01
6.70530E+02	3.53920E-01	1.33660E-01	4.73040E-02	8.01610E-01
6.70370E+02	3.75630E-01	1.33410E-01	5.01110E-02	8.49180E-01
6.70230E+02	4.04010E-01	1.33180E-01	5.38040E-02	9.11760E-01
6.70100E+02	4.25710E-01	1.32960E-01	5.66040E-02	9.59210E-01
6.69920E+02	4.36560E-01	1.32660E-01	5.79130E-02	9.81390E-01
6.69750E+02	4.45740E-01	1.32390E-01	5.90110E-02	1.00000E+00
6.69590E+02	4.42400E-01	1.32120E-01	5.84500E-02	9.90490E-01
6.69370E+02	4.38230E-01	1.31770E-01	5.77470E-02	9.78580E-01
6.69210E+02	4.27380E-01	1.31510E-01	5.62030E-02	9.52400E-01
6.69060E+02	4.19870E-01	1.31250E-01	5.51090E-02	9.33880E-01
6.68940E+02	3.96490E-01	1.31060E-01	5.19650E-02	8.80590E-01
6.68840E+02	3.68950E-01	1.30910E-01	4.82970E-02	8.18440E-01
6.68780E+02	3.52250E-01	1.30810E-01	4.60780E-02	7.80830E-01
6.68670E+02	3.43070E-01	1.30620E-01	4.48110E-02	7.59360E-01
6.68600E+02	3.50580E-01	1.30510E-01	4.57530E-02	7.75330E-01
6.68480E+02	3.43910E-01	1.30320E-01	4.48180E-02	7.59480E-01
6.68410E+02	3.23870E-01	1.30210E-01	4.21710E-02	7.14620E-01
6.68360E+02	2.98000E-01	1.30130E-01	3.87790E-02	6.57150E-01
6.68300E+02	2.61270E-01	1.30040E-01	3.39750E-02	5.75740E-01
6.68250E+02	2.47080E-01	1.29960E-01	3.21110E-02	5.44150E-01
6.68210E+02	2.32890E-01	1.29890E-01	3.02500E-02	5.12610E-01
6.68120E+02	2.27880E-01	1.29760E-01	2.95700E-02	5.01090E-01
6.68030E+02	2.38730E-01	1.29610E-01	3.09430E-02	5.24350E-01
6.67960E+02	2.49580E-01	1.29500E-01	3.23220E-02	5.47720E-01
6.67860E+02	2.37900E-01	1.29350E-01	3.07730E-02	5.21470E-01
6.67830E+02	2.16190E-01	1.29300E-01	2.79540E-02	4.73700E-01
6.67750E+02	1.93660E-01	1.29170E-01	2.50140E-02	4.23890E-01
6.67680E+02	1.76960E-01	1.29060E-01	2.28380E-02	3.87020E-01
6.67540E+02	1.65270E-01	1.28850E-01	2.12960E-02	3.60890E-01
6.67430E+02	1.52750E-01	1.28670E-01	1.96550E-02	3.33070E-01
6.67260E+02	1.34390E-01	1.28410E-01	1.72580E-02	2.92440E-01
6.67100E+02	1.14360E-01	1.28160E-01	1.46560E-02	2.48350E-01

6.66990E+02	1.03510E-01	1.27990E-01	1.32480E-02	2.24500E-01
6.66890E+02	1.06840E-01	1.27830E-01	1.36580E-02	2.31440E-01
6.66790E+02	1.03510E-01	1.27680E-01	1.32160E-02	2.23950E-01
6.66660E+02	9.34890E-02	1.27480E-01	1.19180E-02	2.01960E-01
6.66530E+02	8.43070E-02	1.27280E-01	1.07300E-02	1.81830E-01
6.66440E+02	7.51250E-02	1.27130E-01	9.55070E-03	1.61850E-01
6.66340E+02	5.92650E-02	1.26970E-01	7.52510E-03	1.27520E-01
6.66260E+02	4.75790E-02	1.26810E-01	6.03370E-03	1.02250E-01
6.66140E+02	4.50750E-02	1.26590E-01	5.70600E-03	9.66930E-02
6.66060E+02	4.92490E-02	1.26430E-01	6.22660E-03	1.05510E-01
6.65980E+02	5.50920E-02	1.26270E-01	6.95670E-03	1.17890E-01
6.65840E+02	5.17530E-02	1.26010E-01	6.52110E-03	1.10510E-01
6.65720E+02	4.50750E-02	1.25780E-01	5.66960E-03	9.60760E-02
6.65540E+02	4.09010E-02	1.25450E-01	5.13130E-03	8.69540E-02
6.65450E+02	3.67280E-02	1.25280E-01	4.60130E-03	7.79730E-02
6.65350E+02	2.92150E-02	1.25110E-01	3.65510E-03	6.19380E-02
6.65190E+02	2.75460E-02	1.24800E-01	3.43780E-03	5.82570E-02
6.65120E+02	3.25540E-02	1.24670E-01	4.05860E-03	6.87770E-02
6.65010E+02	3.08850E-02	1.24460E-01	3.84400E-03	6.51400E-02
6.64900E+02	2.58760E-02	1.24210E-01	3.21410E-03	5.44650E-02
6.64820E+02	2.92150E-02	1.24050E-01	3.62430E-03	6.14160E-02
6.64750E+02	3.75630E-02	1.23790E-01	4.65000E-03	7.87980E-02
6.64680E+02	4.50750E-02	1.23520E-01	5.56750E-03	9.43460E-02
6.64540E+02	4.00670E-02	1.22960E-01	4.92680E-03	8.34890E-02
6.64420E+02	2.67110E-02	1.22510E-01	3.27230E-03	5.54520E-02
6.64330E+02	1.33560E-02	1.22140E-01	1.63130E-03	2.76430E-02
6.64240E+02	0.00000E+00	1.21790E-01	0.00000E+00	0.00000E+00
Channel 2				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
6.97000E+02	0.00000E+00	1.92340E-01	0.00000E+00	0.00000E+00
6.96340E+02	4.04120E-03	1.90390E-01	7.69430E-04	7.55680E-03
6.95710E+02	5.68980E-03	1.88600E-01	1.07310E-03	1.05390E-02
6.95080E+02	7.33830E-03	1.86830E-01	1.37100E-03	1.34650E-02
6.94410E+02	8.15070E-03	1.84960E-01	1.50760E-03	1.48060E-02
6.93780E+02	8.12980E-03	1.83710E-01	1.49350E-03	1.46680E-02
6.93150E+02	9.77840E-03	1.82450E-01	1.78410E-03	1.75220E-02
6.92440E+02	9.75470E-03	1.81030E-01	1.76590E-03	1.73430E-02
6.91930E+02	1.22420E-02	1.80030E-01	2.20390E-03	2.16450E-02
6.91510E+02	1.47320E-02	1.79200E-01	2.64000E-03	2.59280E-02
6.91090E+02	1.55530E-02	1.78370E-01	2.77420E-03	2.72460E-02

6.90840E+02	1.72140E-02	1.77880E-01	3.06200E-03	3.00730E-02
6.90550E+02	2.05430E-02	1.77300E-01	3.64230E-03	3.57730E-02
6.90290E+02	2.63780E-02	1.76810E-01	4.66390E-03	4.58050E-02
6.90080E+02	3.05450E-02	1.76400E-01	5.38800E-03	5.29170E-02
6.89710E+02	3.13670E-02	1.75610E-01	5.50840E-03	5.41000E-02
6.89450E+02	3.38630E-02	1.75080E-01	5.92870E-03	5.82280E-02
6.89200E+02	3.80280E-02	1.74560E-01	6.63820E-03	6.51960E-02
6.89030E+02	4.21960E-02	1.74210E-01	7.35120E-03	7.21980E-02
6.88870E+02	4.63640E-02	1.73870E-01	8.06130E-03	7.91730E-02
6.88610E+02	4.88600E-02	1.73350E-01	8.46990E-03	8.31860E-02
6.88450E+02	5.05240E-02	1.73010E-01	8.74100E-03	8.58490E-02
6.88400E+02	5.46960E-02	1.72920E-01	9.45820E-03	9.28920E-02
6.88190E+02	6.88790E-02	1.72490E-01	1.18810E-02	1.16690E-01
6.87980E+02	8.38970E-02	1.72070E-01	1.44360E-02	1.41780E-01
6.87810E+02	9.64120E-02	1.71710E-01	1.65550E-02	1.62590E-01
6.87650E+02	1.08090E-01	1.71360E-01	1.85230E-02	1.81920E-01
6.87480E+02	1.23950E-01	1.71010E-01	2.11960E-02	2.08170E-01
6.87230E+02	1.40630E-01	1.70480E-01	2.39750E-02	2.35470E-01
6.87020E+02	1.56490E-01	1.70040E-01	2.66090E-02	2.61330E-01
6.86720E+02	1.83190E-01	1.69430E-01	3.10370E-02	3.04820E-01
6.86640E+02	2.04050E-01	1.69250E-01	3.45360E-02	3.39190E-01
6.86510E+02	2.26590E-01	1.68990E-01	3.82910E-02	3.76070E-01
6.86260E+02	2.45780E-01	1.68470E-01	4.14050E-02	4.06660E-01
6.86050E+02	2.82500E-01	1.68030E-01	4.74680E-02	4.66200E-01
6.85590E+02	3.57610E-01	1.67080E-01	5.97480E-02	5.86800E-01
6.85210E+02	4.12690E-01	1.66290E-01	6.86280E-02	6.74010E-01
6.84870E+02	4.54410E-01	1.65290E-01	7.51090E-02	7.37670E-01
6.84660E+02	4.96140E-01	1.64590E-01	8.16610E-02	8.02020E-01
6.84410E+02	5.32860E-01	1.63790E-01	8.72750E-02	8.57160E-01
6.84030E+02	5.69580E-01	1.62740E-01	9.26940E-02	9.10380E-01
6.83910E+02	5.92110E-01	1.62510E-01	9.62210E-02	9.45020E-01
6.83700E+02	6.05460E-01	1.62110E-01	9.81500E-02	9.63960E-01
6.83610E+02	6.09630E-01	1.61950E-01	9.87300E-02	9.69660E-01
6.83400E+02	6.14630E-01	1.61560E-01	9.92980E-02	9.75240E-01
6.83240E+02	6.19630E-01	1.61240E-01	9.99110E-02	9.81260E-01
6.83150E+02	6.23800E-01	1.61090E-01	1.00490E-01	9.86910E-01
6.82900E+02	6.31310E-01	1.60620E-01	1.01400E-01	9.95860E-01
6.82690E+02	6.35470E-01	1.60230E-01	1.01820E-01	1.00000E+00
6.82480E+02	6.34630E-01	1.59840E-01	1.01440E-01	9.96250E-01
6.82310E+02	6.30450E-01	1.59520E-01	1.00570E-01	9.87760E-01
6.82190E+02	6.27940E-01	1.59290E-01	1.00030E-01	9.82390E-01
6.81980E+02	6.21260E-01	1.58910E-01	9.87210E-02	9.69580E-01
6.81760E+02	6.14570E-01	1.58520E-01	9.74250E-02	9.56840E-01

6.81430E+02	6.11220E-01	1.57910E-01	9.65210E-02	9.47960E-01
6.81130E+02	6.10380E-01	1.57360E-01	9.60480E-02	9.43330E-01
6.81010E+02	6.06200E-01	1.57120E-01	9.52470E-02	9.35460E-01
6.80800E+02	5.98680E-01	1.56730E-01	9.38300E-02	9.21540E-01
6.80420E+02	5.95330E-01	1.56020E-01	9.28830E-02	9.12240E-01
6.80130E+02	5.97830E-01	1.55470E-01	9.29450E-02	9.12840E-01
6.79870E+02	5.99490E-01	1.54960E-01	9.28990E-02	9.12390E-01
6.79710E+02	6.02820E-01	1.54360E-01	9.30500E-02	9.13880E-01
6.79500E+02	6.02810E-01	1.53600E-01	9.25940E-02	9.09400E-01
6.79240E+02	5.99470E-01	1.52690E-01	9.15320E-02	8.98960E-01
6.78990E+02	5.95280E-01	1.51750E-01	9.03340E-02	8.87200E-01
6.78780E+02	5.97780E-01	1.50970E-01	9.02470E-02	8.86350E-01
6.78490E+02	6.00270E-01	1.49880E-01	8.99700E-02	8.83620E-01
6.78320E+02	5.96100E-01	1.49260E-01	8.89750E-02	8.73850E-01
6.78070E+02	5.92750E-01	1.48340E-01	8.79270E-02	8.63560E-01
6.77860E+02	5.92740E-01	1.47570E-01	8.74710E-02	8.59080E-01
6.77770E+02	5.95240E-01	1.47260E-01	8.76580E-02	8.60920E-01
6.77560E+02	5.97740E-01	1.46510E-01	8.75730E-02	8.60080E-01
6.77310E+02	5.97730E-01	1.45630E-01	8.70470E-02	8.54920E-01
6.77060E+02	5.96050E-01	1.44750E-01	8.62820E-02	8.47400E-01
6.76890E+02	5.89370E-01	1.44260E-01	8.50250E-02	8.35060E-01
6.76680E+02	5.81020E-01	1.43990E-01	8.36610E-02	8.21670E-01
6.76470E+02	5.73500E-01	1.43720E-01	8.24220E-02	8.09500E-01
6.76260E+02	5.65980E-01	1.43450E-01	8.11870E-02	7.97370E-01
6.76050E+02	5.57620E-01	1.43170E-01	7.98360E-02	7.84100E-01
6.75920E+02	5.49270E-01	1.43010E-01	7.85510E-02	7.71480E-01
6.75840E+02	5.39250E-01	1.42900E-01	7.70600E-02	7.56830E-01
6.75630E+02	5.33400E-01	1.42630E-01	7.60790E-02	7.47190E-01
6.75460E+02	5.22550E-01	1.42410E-01	7.44170E-02	7.30870E-01
6.75290E+02	5.14190E-01	1.42180E-01	7.31080E-02	7.18020E-01
6.75170E+02	5.05010E-01	1.42010E-01	7.17140E-02	7.04330E-01
6.75040E+02	4.98320E-01	1.41830E-01	7.06790E-02	6.94160E-01
6.74920E+02	4.78290E-01	1.41660E-01	6.77540E-02	6.65430E-01
6.74660E+02	4.59910E-01	1.41310E-01	6.49910E-02	6.38300E-01
6.74500E+02	4.40710E-01	1.41080E-01	6.21760E-02	6.10650E-01
6.74370E+02	4.23180E-01	1.40890E-01	5.96210E-02	5.85560E-01
6.74160E+02	4.05640E-01	1.40570E-01	5.70210E-02	5.60020E-01
6.73990E+02	3.87270E-01	1.40310E-01	5.43390E-02	5.33690E-01
6.73780E+02	3.59720E-01	1.39990E-01	5.03590E-02	4.94590E-01
6.73530E+02	3.36340E-01	1.39610E-01	4.69560E-02	4.61180E-01
6.73320E+02	3.16300E-01	1.39290E-01	4.40580E-02	4.32710E-01
6.73150E+02	2.95420E-01	1.39040E-01	4.10750E-02	4.03410E-01
6.72940E+02	2.74550E-01	1.38720E-01	3.80860E-02	3.74050E-01

6.72690E+02	2.46160E-01	1.38280E-01	3.40390E-02	3.34310E-01
6.72440E+02	2.19440E-01	1.37740E-01	3.02250E-02	2.96850E-01
6.72060E+02	1.91050E-01	1.36920E-01	2.61580E-02	2.56900E-01
6.71680E+02	1.57650E-01	1.36090E-01	2.14550E-02	2.10720E-01
6.71260E+02	1.25910E-01	1.35140E-01	1.70160E-02	1.67120E-01
6.70920E+02	1.07540E-01	1.34360E-01	1.44490E-02	1.41910E-01
6.70590E+02	8.83290E-02	1.33760E-01	1.18150E-02	1.16040E-01
6.70460E+02	7.66380E-02	1.33550E-01	1.02350E-02	1.00520E-01
6.70210E+02	7.16220E-02	1.33140E-01	9.53560E-03	9.36520E-02
6.70000E+02	6.91100E-02	1.32790E-01	9.17750E-03	9.01350E-02
6.69830E+02	6.49310E-02	1.32520E-01	8.60470E-03	8.45100E-02
6.69620E+02	6.24200E-02	1.32180E-01	8.25050E-03	8.10310E-02
6.69450E+02	5.49020E-02	1.31900E-01	7.24170E-03	7.11240E-02
6.69290E+02	4.90530E-02	1.31630E-01	6.45690E-03	6.34150E-02
6.69120E+02	4.65440E-02	1.31350E-01	6.11370E-03	6.00450E-02
6.68910E+02	4.31980E-02	1.31010E-01	5.65940E-03	5.55830E-02
6.68780E+02	3.73510E-02	1.30800E-01	4.88560E-03	4.79830E-02
6.68610E+02	3.23370E-02	1.30530E-01	4.22100E-03	4.14550E-02
6.68400E+02	2.81560E-02	1.30200E-01	3.66590E-03	3.60050E-02
6.68240E+02	2.48120E-02	1.29940E-01	3.22390E-03	3.16630E-02
6.68110E+02	2.73120E-02	1.29740E-01	3.54340E-03	3.48010E-02
6.67940E+02	2.48020E-02	1.29470E-01	3.21120E-03	3.15390E-02
6.67860E+02	2.06260E-02	1.29340E-01	2.66780E-03	2.62010E-02
6.67650E+02	1.81140E-02	1.29010E-01	2.33700E-03	2.29530E-02
6.67560E+02	1.22690E-02	1.28880E-01	1.58120E-03	1.55300E-02
6.67440E+02	1.47690E-02	1.28690E-01	1.90050E-03	1.86660E-02
6.67350E+02	1.72700E-02	1.28560E-01	2.22010E-03	2.18050E-02
6.67140E+02	1.89320E-02	1.28230E-01	2.42770E-03	2.38430E-02
6.67020E+02	1.72590E-02	1.28030E-01	2.20970E-03	2.17020E-02
6.66930E+02	1.39170E-02	1.27900E-01	1.78000E-03	1.74820E-02
6.66760E+02	1.14070E-02	1.27640E-01	1.45600E-03	1.43000E-02
6.66430E+02	1.13960E-02	1.27120E-01	1.44870E-03	1.42280E-02
6.66050E+02	9.71430E-03	1.26410E-01	1.22800E-03	1.20610E-02
6.65340E+02	8.85590E-03	1.25070E-01	1.10760E-03	1.08790E-02
6.64660E+02	7.99880E-03	1.23440E-01	9.87390E-04	9.69750E-03
6.63490E+02	6.29040E-03	1.19530E-01	7.51880E-04	7.38450E-03
6.62600E+02	4.59170E-03	1.17670E-01	5.40310E-04	5.30660E-03
6.62060E+02	2.90410E-03	1.16550E-01	3.38480E-04	3.32430E-03
6.62000E+02	0.00000E+00	1.16440E-01	0.00000E+00	0.00000E+00
Channel 3				

Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
7.09000E+02	0.00000E+00	2.15640E-01	0.00000E+00	0.00000E+00
7.05300E+02	1.16960E-02	2.09970E-01	2.45580E-03	2.10540E-02
7.04930E+02	1.33670E-02	2.09340E-01	2.79820E-03	2.39900E-02
7.04510E+02	1.50380E-02	2.08540E-01	3.13600E-03	2.68860E-02
7.04090E+02	1.83790E-02	2.07710E-01	3.81760E-03	3.27290E-02
7.03580E+02	2.17210E-02	2.06710E-01	4.48990E-03	3.84940E-02
7.03250E+02	2.25560E-02	2.06040E-01	4.64750E-03	3.98450E-02
7.02910E+02	2.67340E-02	2.05380E-01	5.49040E-03	4.70710E-02
7.02540E+02	3.09110E-02	2.04630E-01	6.32530E-03	5.42290E-02
7.02160E+02	4.17710E-02	2.03890E-01	8.51670E-03	7.30170E-02
7.01830E+02	5.01250E-02	2.03230E-01	1.01870E-02	8.73380E-02
7.01450E+02	6.09860E-02	2.02490E-01	1.23490E-02	1.05870E-01
7.01200E+02	7.10110E-02	2.02000E-01	1.43450E-02	1.22980E-01
7.00950E+02	7.85300E-02	2.01520E-01	1.58250E-02	1.35670E-01
7.00660E+02	8.85550E-02	2.00950E-01	1.77950E-02	1.52560E-01
7.00410E+02	1.06100E-01	2.00470E-01	2.12700E-02	1.82360E-01
6.99910E+02	1.38680E-01	1.99540E-01	2.76720E-02	2.37240E-01
6.99410E+02	1.82960E-01	1.98570E-01	3.63290E-02	3.11460E-01
6.99120E+02	2.14700E-01	1.97960E-01	4.25030E-02	3.64400E-01
6.98710E+02	2.66500E-01	1.97100E-01	5.25280E-02	4.50340E-01
6.98130E+02	3.38350E-01	1.95790E-01	6.62460E-02	5.67950E-01
6.97640E+02	4.06010E-01	1.94340E-01	7.89070E-02	6.76500E-01
6.96890E+02	5.00420E-01	1.92000E-01	9.60830E-02	8.23750E-01
6.96520E+02	5.48040E-01	1.90900E-01	1.04620E-01	8.96930E-01
6.96230E+02	5.73930E-01	1.90070E-01	1.09090E-01	9.35240E-01
6.95940E+02	5.93980E-01	1.89240E-01	1.12400E-01	9.63680E-01
6.95730E+02	6.06520E-01	1.88650E-01	1.14420E-01	9.80950E-01
6.95560E+02	6.15710E-01	1.88180E-01	1.15860E-01	9.93340E-01
6.95230E+02	6.21550E-01	1.87240E-01	1.16380E-01	9.97770E-01
6.95020E+02	6.24900E-01	1.86650E-01	1.16640E-01	1.00000E+00
6.94680E+02	6.23220E-01	1.85720E-01	1.15740E-01	9.92320E-01
6.94520E+02	6.19880E-01	1.85250E-01	1.14830E-01	9.84520E-01
6.94220E+02	6.10690E-01	1.84570E-01	1.12720E-01	9.66370E-01
6.93800E+02	5.95660E-01	1.83740E-01	1.09450E-01	9.38340E-01
6.93500E+02	5.83960E-01	1.83160E-01	1.06960E-01	9.17000E-01
6.93120E+02	5.65580E-01	1.82400E-01	1.03160E-01	8.84450E-01
6.92660E+02	5.45530E-01	1.81470E-01	9.89990E-02	8.48760E-01
6.92280E+02	5.27150E-01	1.80720E-01	9.52650E-02	8.16750E-01
6.91820E+02	5.07100E-01	1.79800E-01	9.11760E-02	7.81680E-01

6.91270E+02	4.89560E-01	1.78720E-01	8.74930E-02	7.50110E-01
6.90760E+02	4.78700E-01	1.77730E-01	8.50780E-02	7.29410E-01
6.90340E+02	4.72850E-01	1.76910E-01	8.36500E-02	7.17170E-01
6.89930E+02	4.67840E-01	1.76080E-01	8.23760E-02	7.06240E-01
6.89500E+02	4.64490E-01	1.75180E-01	8.13720E-02	6.97640E-01
6.89040E+02	4.61990E-01	1.74230E-01	8.04940E-02	6.90100E-01
6.88460E+02	4.62820E-01	1.73030E-01	8.00830E-02	6.86580E-01
6.87830E+02	4.61150E-01	1.71740E-01	7.91970E-02	6.78990E-01
6.87570E+02	4.59480E-01	1.71210E-01	7.86670E-02	6.74440E-01
6.87320E+02	4.51960E-01	1.70680E-01	7.71400E-02	6.61350E-01
6.86900E+02	4.43610E-01	1.69800E-01	7.53250E-02	6.45790E-01
6.86560E+02	4.33580E-01	1.69100E-01	7.33180E-02	6.28590E-01
6.86020E+02	4.20220E-01	1.67960E-01	7.05820E-02	6.05120E-01
6.85640E+02	4.11030E-01	1.67180E-01	6.87170E-02	5.89140E-01
6.85260E+02	4.01000E-01	1.66400E-01	6.67260E-02	5.72070E-01
6.85010E+02	3.91810E-01	1.65740E-01	6.49370E-02	5.56730E-01
6.84750E+02	3.78450E-01	1.64890E-01	6.24000E-02	5.34980E-01
6.84420E+02	3.60900E-01	1.63800E-01	5.91150E-02	5.06820E-01
6.84120E+02	3.40020E-01	1.62910E-01	5.53910E-02	4.74890E-01
6.83820E+02	3.24980E-01	1.62350E-01	5.27590E-02	4.52330E-01
6.83570E+02	3.12450E-01	1.61870E-01	5.05770E-02	4.33610E-01
6.83280E+02	2.96580E-01	1.61320E-01	4.78430E-02	4.10180E-01
6.82900E+02	2.78200E-01	1.60610E-01	4.46810E-02	3.83070E-01
6.82390E+02	2.44780E-01	1.59670E-01	3.90830E-02	3.35080E-01
6.81840E+02	2.08850E-01	1.58660E-01	3.31360E-02	2.84090E-01
6.81330E+02	1.75440E-01	1.57730E-01	2.76720E-02	2.37240E-01
6.80950E+02	1.53720E-01	1.57010E-01	2.41360E-02	2.06930E-01
6.80490E+02	1.31160E-01	1.56140E-01	2.04800E-02	1.75580E-01
6.80060E+02	1.13620E-01	1.55360E-01	1.76510E-02	1.51330E-01
6.79690E+02	9.94150E-02	1.54280E-01	1.53380E-02	1.31500E-01
6.79100E+02	8.02000E-02	1.52140E-01	1.22010E-02	1.04610E-01
6.78670E+02	6.68340E-02	1.50570E-01	1.00630E-02	8.62760E-02
6.78300E+02	5.59730E-02	1.49180E-01	8.34990E-03	7.15870E-02
6.78000E+02	4.76190E-02	1.48100E-01	7.05220E-03	6.04610E-02
6.77710E+02	4.34420E-02	1.47020E-01	6.38700E-03	5.47580E-02
6.77410E+02	3.92650E-02	1.45980E-01	5.73200E-03	4.91430E-02
6.77120E+02	3.67590E-02	1.44960E-01	5.32860E-03	4.56840E-02
6.76870E+02	3.17460E-02	1.44230E-01	4.57880E-03	3.92560E-02
6.76490E+02	2.58980E-02	1.43740E-01	3.72260E-03	3.19150E-02
6.76190E+02	2.08850E-02	1.43360E-01	2.99410E-03	2.56700E-02
6.75900E+02	1.92150E-02	1.42980E-01	2.74730E-03	2.35540E-02
6.75690E+02	1.67080E-02	1.42710E-01	2.38440E-03	2.04420E-02
6.74940E+02	1.75440E-02	1.41690E-01	2.48570E-03	2.13110E-02

6.74640E+02	1.50380E-02	1.41280E-01	2.12450E-03	1.82140E-02
6.74470E+02	1.25310E-02	1.41050E-01	1.76750E-03	1.51530E-02
6.71000E+02	0.00000E+00	1.34530E-01	0.00000E+00	0.00000E+00
Channel 4				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
7.22000E+02	0.00000E+00	2.36890E-01	0.00000E+00	0.00000E+00
7.21200E+02	3.27650E-03	2.35720E-01	7.72340E-04	5.23100E-03
7.20170E+02	6.43650E-03	2.34240E-01	1.50770E-03	1.02110E-02
7.19290E+02	5.40150E-03	2.32780E-01	1.25740E-03	8.51610E-03
7.18410E+02	7.51110E-03	2.31220E-01	1.73670E-03	1.17630E-02
7.17530E+02	1.06690E-02	2.29630E-01	2.44990E-03	1.65930E-02
7.16720E+02	1.27770E-02	2.28160E-01	2.91530E-03	1.97450E-02
7.15840E+02	2.01280E-02	2.26570E-01	4.56050E-03	3.08880E-02
7.15110E+02	2.95730E-02	2.25310E-01	6.66320E-03	4.51300E-02
7.14080E+02	4.21670E-02	2.23660E-01	9.43130E-03	6.38770E-02
7.13280E+02	5.68540E-02	2.22380E-01	1.26430E-02	8.56300E-02
7.12620E+02	7.57320E-02	2.21330E-01	1.67610E-02	1.13520E-01
7.11670E+02	1.06140E-01	2.19820E-01	2.33330E-02	1.58030E-01
7.10870E+02	1.43890E-01	2.18550E-01	3.14480E-02	2.13000E-01
7.10360E+02	1.81640E-01	2.17750E-01	3.95520E-02	2.67880E-01
7.10000E+02	2.04700E-01	2.17180E-01	4.44580E-02	3.01110E-01
7.09420E+02	2.48740E-01	2.16290E-01	5.37980E-02	3.64370E-01
7.08910E+02	2.94860E-01	2.15500E-01	6.35430E-02	4.30370E-01
7.08410E+02	3.43090E-01	2.14710E-01	7.36650E-02	4.98930E-01
7.07610E+02	4.03900E-01	2.13470E-01	8.62210E-02	5.83970E-01
7.06950E+02	4.58420E-01	2.12460E-01	9.73960E-02	6.59660E-01
7.06230E+02	5.22370E-01	2.11370E-01	1.10410E-01	7.47810E-01
7.05500E+02	5.84220E-01	2.10270E-01	1.22850E-01	8.32040E-01
7.04780E+02	6.25120E-01	2.09050E-01	1.30680E-01	8.85110E-01
7.04270E+02	6.58670E-01	2.08070E-01	1.37050E-01	9.28220E-01
7.03760E+02	6.80690E-01	2.07050E-01	1.40940E-01	9.54560E-01
7.03170E+02	7.01660E-01	2.05890E-01	1.44470E-01	9.78450E-01
7.02810E+02	7.15290E-01	2.05170E-01	1.46760E-01	9.93960E-01
7.02440E+02	7.21590E-01	2.04450E-01	1.47530E-01	9.99180E-01
7.02080E+02	7.24740E-01	2.03720E-01	1.47650E-01	1.00000E+00
7.01710E+02	7.26840E-01	2.03000E-01	1.47550E-01	9.99350E-01
7.01420E+02	7.25800E-01	2.02430E-01	1.46920E-01	9.95100E-01
7.01050E+02	7.19510E-01	2.01710E-01	1.45130E-01	9.82980E-01
7.00610E+02	7.10080E-01	2.00850E-01	1.42620E-01	9.65950E-01
7.00170E+02	6.96460E-01	2.00020E-01	1.39310E-01	9.43500E-01

6.99870E+02	6.83890E-01	1.99460E-01	1.36410E-01	9.23910E-01
6.99500E+02	6.71320E-01	1.98760E-01	1.33430E-01	9.03700E-01
6.99130E+02	6.53500E-01	1.97980E-01	1.29380E-01	8.76300E-01
6.98830E+02	6.33590E-01	1.97370E-01	1.25050E-01	8.46950E-01
6.98390E+02	6.13680E-01	1.96450E-01	1.20560E-01	8.16510E-01
6.98020E+02	5.88530E-01	1.95500E-01	1.15060E-01	7.79280E-01
6.97650E+02	5.63380E-01	1.94390E-01	1.09520E-01	7.41760E-01
6.97210E+02	5.32990E-01	1.92990E-01	1.02860E-01	6.96670E-01
6.96910E+02	5.03640E-01	1.92050E-01	9.67260E-02	6.55120E-01
6.96540E+02	4.79540E-01	1.90950E-01	9.15660E-02	6.20170E-01
6.96240E+02	4.50190E-01	1.90100E-01	8.55790E-02	5.79620E-01
6.95720E+02	4.14560E-01	1.88620E-01	7.81940E-02	5.29610E-01
6.95270E+02	3.72640E-01	1.87370E-01	6.98200E-02	4.72890E-01
6.94680E+02	3.14990E-01	1.85700E-01	5.84960E-02	3.96190E-01
6.94010E+02	2.72030E-01	1.84160E-01	5.00970E-02	3.39310E-01
6.93420E+02	2.20670E-01	1.82990E-01	4.03800E-02	2.73490E-01
6.92820E+02	1.78750E-01	1.81800E-01	3.24970E-02	2.20100E-01
6.92380E+02	1.50460E-01	1.80910E-01	2.72200E-02	1.84360E-01
6.91790E+02	1.27410E-01	1.79740E-01	2.29010E-02	1.55110E-01
6.91270E+02	1.06450E-01	1.78730E-01	1.90250E-02	1.28860E-01
6.90900E+02	9.17800E-02	1.78000E-01	1.63370E-02	1.10650E-01
6.90390E+02	7.50170E-02	1.76990E-01	1.32770E-02	8.99260E-02
6.89870E+02	6.13980E-02	1.75970E-01	1.08040E-02	7.31750E-02
6.89430E+02	4.98740E-02	1.75030E-01	8.72950E-03	5.91240E-02
6.89060E+02	4.04450E-02	1.74270E-01	7.04850E-03	4.77390E-02
6.88770E+02	3.10160E-02	1.73670E-01	5.38650E-03	3.64820E-02
6.88180E+02	2.68320E-02	1.72470E-01	4.62760E-03	3.13420E-02
6.87740E+02	2.26450E-02	1.71550E-01	3.88490E-03	2.63120E-02
6.87150E+02	1.74130E-02	1.70320E-01	2.96580E-03	2.00870E-02
6.86270E+02	1.32330E-02	1.68490E-01	2.22970E-03	1.51010E-02
6.85540E+02	1.32440E-02	1.66970E-01	2.21140E-03	1.49780E-02
6.85020E+02	1.22040E-02	1.65790E-01	2.02330E-03	1.37030E-02
6.84360E+02	5.92450E-03	1.63620E-01	9.69390E-04	6.56560E-03
6.83920E+02	1.73820E-03	1.62530E-01	2.82520E-04	1.91350E-03
6.83410E+02	4.89060E-03	1.61560E-01	7.90140E-04	5.35160E-03
6.83190E+02	6.99030E-03	1.61160E-01	1.12650E-03	7.62990E-03
6.82450E+02	7.00130E-03	1.59790E-01	1.11870E-03	7.57710E-03
6.81500E+02	7.01560E-03	1.58050E-01	1.10880E-03	7.50970E-03
6.80690E+02	4.93120E-03	1.56530E-01	7.71890E-04	5.22790E-03
6.80110E+02	7.03650E-03	1.55430E-01	1.09370E-03	7.40760E-03
6.79670E+02	7.04300E-03	1.54210E-01	1.08610E-03	7.35630E-03
6.79230E+02	7.04960E-03	1.52620E-01	1.07590E-03	7.28700E-03
6.79000E+02	0.00000E+00	1.51780E-01	0.00000E+00	0.00000E+00

Channel 5				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
7.38000E+02	0.00000E+00	2.59160E-01	0.00000E+00	0.00000E+00
7.34420E+02	1.15060E-02	2.54500E-01	2.92840E-03	1.87030E-02
7.34290E+02	1.46440E-02	2.54340E-01	3.72470E-03	2.37900E-02
7.34160E+02	1.88280E-02	2.54190E-01	4.78600E-03	3.05680E-02
7.33980E+02	1.77820E-02	2.53960E-01	4.51590E-03	2.88430E-02
7.33350E+02	2.09200E-02	2.53180E-01	5.29660E-03	3.38300E-02
7.32660E+02	2.51050E-02	2.52320E-01	6.33450E-03	4.04590E-02
7.31970E+02	2.82430E-02	2.51350E-01	7.09870E-03	4.53390E-02
7.31400E+02	3.55650E-02	2.50530E-01	8.91000E-03	5.69090E-02
7.30900E+02	4.70710E-02	2.49800E-01	1.17580E-02	7.51020E-02
7.30150E+02	5.96230E-02	2.48720E-01	1.48290E-02	9.47160E-02
7.29460E+02	7.63600E-02	2.47730E-01	1.89160E-02	1.20820E-01
7.29210E+02	9.30960E-02	2.47370E-01	2.30290E-02	1.47090E-01
7.28770E+02	1.04600E-01	2.46740E-01	2.58100E-02	1.64850E-01
7.28270E+02	1.23430E-01	2.46020E-01	3.03660E-02	1.93950E-01
7.27580E+02	1.53770E-01	2.45000E-01	3.76720E-02	2.40610E-01
7.26960E+02	1.92470E-01	2.44070E-01	4.69760E-02	3.00040E-01
7.26210E+02	2.52090E-01	2.43020E-01	6.12650E-02	3.91300E-01
7.25330E+02	3.10670E-01	2.41780E-01	7.51150E-02	4.79760E-01
7.24650E+02	3.69250E-01	2.40770E-01	8.89050E-02	5.67840E-01
7.23900E+02	4.26780E-01	2.39670E-01	1.02280E-01	6.53300E-01
7.23210E+02	4.76990E-01	2.38660E-01	1.13840E-01	7.27080E-01
7.22650E+02	5.13600E-01	2.37830E-01	1.22150E-01	7.80190E-01
7.22150E+02	5.46020E-01	2.37100E-01	1.29470E-01	8.26900E-01
7.21650E+02	5.72180E-01	2.36380E-01	1.35250E-01	8.63840E-01
7.21150E+02	5.89960E-01	2.35650E-01	1.39020E-01	8.87950E-01
7.20650E+02	6.08790E-01	2.34920E-01	1.43020E-01	9.13460E-01
7.20210E+02	6.22380E-01	2.34290E-01	1.45820E-01	9.31340E-01
7.19770E+02	6.34940E-01	2.33610E-01	1.48330E-01	9.47380E-01
7.19460E+02	6.44350E-01	2.33080E-01	1.50180E-01	9.59240E-01
7.19020E+02	6.53770E-01	2.32300E-01	1.51870E-01	9.69990E-01
7.18580E+02	6.59000E-01	2.31520E-01	1.52570E-01	9.74460E-01
7.18260E+02	6.66320E-01	2.30960E-01	1.53890E-01	9.82930E-01
7.17890E+02	6.74690E-01	2.30280E-01	1.55370E-01	9.92350E-01
7.17390E+02	6.79920E-01	2.29370E-01	1.55950E-01	9.96080E-01
7.16880E+02	6.80960E-01	2.28460E-01	1.55570E-01	9.93640E-01
7.16570E+02	6.83050E-01	2.27880E-01	1.55650E-01	9.94160E-01
7.16190E+02	6.86190E-01	2.27190E-01	1.55890E-01	9.95690E-01

7.15880E+02	6.88290E-01	2.26640E-01	1.55990E-01	9.96340E-01
7.15570E+02	6.92470E-01	2.26100E-01	1.56570E-01	1.00000E+00
7.15310E+02	6.90380E-01	2.25670E-01	1.55800E-01	9.95070E-01
7.14880E+02	6.87240E-01	2.24940E-01	1.54590E-01	9.87350E-01
7.14310E+02	6.83050E-01	2.24030E-01	1.53020E-01	9.77370E-01
7.13680E+02	6.77820E-01	2.23020E-01	1.51170E-01	9.65520E-01
7.13180E+02	6.73640E-01	2.22220E-01	1.49690E-01	9.56100E-01
7.12740E+02	6.70500E-01	2.21520E-01	1.48530E-01	9.48650E-01
7.12300E+02	6.63180E-01	2.20820E-01	1.46440E-01	9.35330E-01
7.11990E+02	6.56900E-01	2.20320E-01	1.44730E-01	9.24390E-01
7.11550E+02	6.49580E-01	2.19620E-01	1.42660E-01	9.11190E-01
7.11170E+02	6.39120E-01	2.19030E-01	1.39980E-01	8.94090E-01
7.10980E+02	6.27620E-01	2.18730E-01	1.37280E-01	8.76800E-01
7.10540E+02	6.05650E-01	2.18030E-01	1.32050E-01	8.43420E-01
7.10100E+02	5.76360E-01	2.17340E-01	1.25270E-01	8.00090E-01
7.09530E+02	5.42890E-01	2.16460E-01	1.17510E-01	7.50560E-01
7.09220E+02	5.13600E-01	2.15980E-01	1.10920E-01	7.08480E-01
7.08840E+02	4.79080E-01	2.15390E-01	1.03190E-01	6.59060E-01
7.08270E+02	4.19460E-01	2.14500E-01	8.99730E-02	5.74660E-01
7.07640E+02	3.59830E-01	2.13520E-01	7.68310E-02	4.90730E-01
7.07070E+02	3.03350E-01	2.12640E-01	6.45040E-02	4.11990E-01
7.06690E+02	2.60460E-01	2.12060E-01	5.52320E-02	3.52770E-01
7.06120E+02	2.12340E-01	2.11210E-01	4.48480E-02	2.86450E-01
7.05680E+02	1.76780E-01	2.10540E-01	3.72190E-02	2.37720E-01
7.05300E+02	1.51670E-01	2.09970E-01	3.18470E-02	2.03410E-01
7.04990E+02	1.34940E-01	2.09460E-01	2.82630E-02	1.80520E-01
7.04740E+02	1.20290E-01	2.08980E-01	2.51380E-02	1.60560E-01
7.04360E+02	1.03560E-01	2.08250E-01	2.15650E-02	1.37740E-01
7.04040E+02	8.89120E-02	2.07620E-01	1.84600E-02	1.17900E-01
7.03670E+02	7.42680E-02	2.06870E-01	1.53640E-02	9.81280E-02
7.03410E+02	6.27610E-02	2.06370E-01	1.29520E-02	8.27240E-02
7.03100E+02	5.23010E-02	2.05740E-01	1.07610E-02	6.87280E-02
7.02720E+02	4.70710E-02	2.05000E-01	9.64950E-03	6.16320E-02
7.02220E+02	4.07950E-02	2.04010E-01	8.32240E-03	5.31560E-02
7.01660E+02	3.45190E-02	2.02900E-01	7.00370E-03	4.47330E-02
7.01340E+02	2.92890E-02	2.02280E-01	5.92450E-03	3.78400E-02
7.00780E+02	2.40590E-02	2.01180E-01	4.84000E-03	3.09140E-02
7.00340E+02	2.09200E-02	2.00340E-01	4.19120E-03	2.67690E-02
6.99830E+02	1.67360E-02	1.99400E-01	3.33720E-03	2.13150E-02
6.99520E+02	1.35980E-02	1.98800E-01	2.70330E-03	1.72660E-02
6.99140E+02	1.35980E-02	1.98010E-01	2.69260E-03	1.71980E-02
6.98830E+02	1.25520E-02	1.97350E-01	2.47720E-03	1.58220E-02
6.98390E+02	1.15060E-02	1.96440E-01	2.26030E-03	1.44370E-02

6.94000E+02	0.00000E+00	1.84140E-01	0.00000E+00	0.00000E+00
Channel 6				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
7.51000E+02	0.00000E+00	2.94170E-01	0.00000E+00	0.00000E+00
7.47380E+02	1.05830E-02	2.86130E-01	3.02810E-03	1.70140E-02
7.47220E+02	1.26840E-02	2.85760E-01	3.62460E-03	2.03660E-02
7.47060E+02	1.47850E-02	2.85400E-01	4.21960E-03	2.37090E-02
7.46490E+02	1.69030E-02	2.84080E-01	4.80180E-03	2.69800E-02
7.45860E+02	1.79760E-02	2.82640E-01	5.08090E-03	2.85480E-02
7.45330E+02	2.21870E-02	2.81440E-01	6.24430E-03	3.50860E-02
7.44760E+02	2.74460E-02	2.80130E-01	7.68870E-03	4.32010E-02
7.44130E+02	3.48030E-02	2.78190E-01	9.68190E-03	5.44000E-02
7.43500E+02	4.32060E-02	2.76250E-01	1.19350E-02	6.70630E-02
7.42980E+02	5.26520E-02	2.74630E-01	1.44600E-02	8.12460E-02
7.42560E+02	6.20930E-02	2.73340E-01	1.69730E-02	9.53660E-02
7.42140E+02	7.88650E-02	2.72060E-01	2.14560E-02	1.20560E-01
7.41670E+02	9.56380E-02	2.70640E-01	2.58830E-02	1.45430E-01
7.41350E+02	1.11360E-01	2.69690E-01	3.00320E-02	1.68740E-01
7.41040E+02	1.29170E-01	2.68760E-01	3.47160E-02	1.95060E-01
7.40720E+02	1.55360E-01	2.67810E-01	4.16070E-02	2.33780E-01
7.40250E+02	1.89940E-01	2.66320E-01	5.05840E-02	2.84220E-01
7.39830E+02	2.27650E-01	2.64990E-01	6.03260E-02	3.38960E-01
7.39310E+02	2.80030E-01	2.63330E-01	7.37410E-02	4.14340E-01
7.38730E+02	3.40790E-01	2.61490E-01	8.91120E-02	5.00700E-01
7.38260E+02	4.03630E-01	2.59980E-01	1.04940E-01	5.89620E-01
7.37630E+02	4.88480E-01	2.58480E-01	1.26260E-01	7.09440E-01
7.37210E+02	5.34570E-01	2.57970E-01	1.37900E-01	7.74840E-01
7.36690E+02	5.92180E-01	2.57320E-01	1.52380E-01	8.56210E-01
7.36220E+02	6.33040E-01	2.56740E-01	1.62530E-01	9.13220E-01
7.35800E+02	6.59230E-01	2.56220E-01	1.68910E-01	9.49070E-01
7.35530E+02	6.72860E-01	2.55890E-01	1.72180E-01	9.67440E-01
7.35170E+02	6.85440E-01	2.55440E-01	1.75090E-01	9.83770E-01
7.34850E+02	6.93830E-01	2.55040E-01	1.76960E-01	9.94280E-01
7.34590E+02	6.98030E-01	2.54720E-01	1.77800E-01	9.99020E-01
7.34170E+02	7.00140E-01	2.54200E-01	1.77970E-01	1.00000E+00
7.33910E+02	6.98050E-01	2.53870E-01	1.77220E-01	9.95750E-01
7.33540E+02	6.95980E-01	2.53420E-01	1.76370E-01	9.91010E-01
7.33280E+02	6.89700E-01	2.53090E-01	1.74560E-01	9.80820E-01
7.32910E+02	6.81340E-01	2.52640E-01	1.72130E-01	9.67190E-01
7.32500E+02	6.71940E-01	2.52110E-01	1.69400E-01	9.51840E-01

7.31870E+02	6.62540E-01	2.51200E-01	1.66430E-01	9.35120E-01
7.31450E+02	6.56270E-01	2.50590E-01	1.64460E-01	9.24040E-01
7.30870E+02	6.48970E-01	2.49760E-01	1.62080E-01	9.10710E-01
7.30500E+02	6.40610E-01	2.49230E-01	1.59660E-01	8.97070E-01
7.29980E+02	6.29110E-01	2.48470E-01	1.56320E-01	8.78310E-01
7.29400E+02	6.19710E-01	2.47640E-01	1.53470E-01	8.62300E-01
7.28770E+02	6.07170E-01	2.46750E-01	1.49820E-01	8.41790E-01
7.28250E+02	5.95670E-01	2.45990E-01	1.46530E-01	8.23310E-01
7.27730E+02	5.77900E-01	2.45210E-01	1.41700E-01	7.96200E-01
7.27310E+02	5.61160E-01	2.44580E-01	1.37250E-01	7.71180E-01
7.26940E+02	5.44420E-01	2.44040E-01	1.32860E-01	7.46520E-01
7.26470E+02	5.25590E-01	2.43380E-01	1.27920E-01	7.18740E-01
7.26050E+02	5.03620E-01	2.42810E-01	1.22280E-01	6.87080E-01
7.25730E+02	4.84780E-01	2.42370E-01	1.17500E-01	6.60200E-01
7.25310E+02	4.62810E-01	2.41760E-01	1.11890E-01	6.28670E-01
7.25000E+02	4.39790E-01	2.41290E-01	1.06120E-01	5.96260E-01
7.24370E+02	3.98980E-01	2.40370E-01	9.59010E-02	5.38850E-01
7.23790E+02	3.55020E-01	2.39520E-01	8.50340E-02	4.77790E-01
7.23170E+02	3.06880E-01	2.38590E-01	7.32200E-02	4.11410E-01
7.22380E+02	2.50370E-01	2.37440E-01	5.94490E-02	3.34030E-01
7.21910E+02	2.18980E-01	2.36760E-01	5.18440E-02	2.91300E-01
7.21590E+02	1.97000E-01	2.36300E-01	4.65510E-02	2.61560E-01
7.21230E+02	1.78170E-01	2.35770E-01	4.20060E-02	2.36020E-01
7.20960E+02	1.59330E-01	2.35390E-01	3.75040E-02	2.10730E-01
7.20700E+02	1.43640E-01	2.35010E-01	3.37550E-02	1.89660E-01
7.20390E+02	1.27940E-01	2.34550E-01	3.00090E-02	1.68610E-01
7.20070E+02	1.15390E-01	2.34100E-01	2.70120E-02	1.51780E-01
7.19760E+02	1.04930E-01	2.33600E-01	2.45120E-02	1.37730E-01
7.19340E+02	9.13370E-02	2.32870E-01	2.12700E-02	1.19510E-01
7.18920E+02	7.77420E-02	2.32130E-01	1.80460E-02	1.01400E-01
7.18400E+02	6.31040E-02	2.31200E-01	1.45890E-02	8.19750E-02
7.17820E+02	4.95160E-02	2.30160E-01	1.13970E-02	6.40350E-02
7.17240E+02	3.80220E-02	2.29110E-01	8.71120E-03	4.89460E-02
7.16880E+02	3.07070E-02	2.28440E-01	7.01490E-03	3.94150E-02
7.16560E+02	2.65320E-02	2.27860E-01	6.04570E-03	3.39690E-02
7.16140E+02	2.55020E-02	2.27100E-01	5.79150E-03	3.25420E-02
7.15830E+02	2.34210E-02	2.26550E-01	5.30620E-03	2.98140E-02
7.15570E+02	2.13380E-02	2.26100E-01	4.82450E-03	2.71080E-02
7.15250E+02	1.82100E-02	2.25560E-01	4.10740E-03	2.30790E-02
7.14730E+02	1.50910E-02	2.24700E-01	3.39080E-03	1.90520E-02
7.14360E+02	1.51060E-02	2.24110E-01	3.38540E-03	1.90220E-02
7.14050E+02	1.30250E-02	2.23600E-01	2.91240E-03	1.63640E-02
7.13730E+02	9.89660E-03	2.23100E-01	2.20790E-03	1.24060E-02

7.11000E+02	0.00000E+00	2.18760E-01	0.00000E+00	0.00000E+00
Channel 7				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
7.74000E+02	0.00000E+00	3.33290E-01	0.00000E+00	0.00000E+00
7.73180E+02	3.03940E-03	3.31810E-01	1.00850E-03	4.53210E-03
7.71720E+02	6.15880E-03	3.28940E-01	2.02590E-03	9.10410E-03
7.70470E+02	6.14020E-03	3.27150E-01	2.00880E-03	9.02720E-03
7.69590E+02	1.03160E-02	3.25960E-01	3.36240E-03	1.51110E-02
7.68420E+02	1.34390E-02	3.24390E-01	4.35960E-03	1.95920E-02
7.67460E+02	2.18020E-02	3.23120E-01	7.04470E-03	3.16590E-02
7.66360E+02	3.12100E-02	3.21660E-01	1.00390E-02	4.51150E-02
7.65410E+02	3.95720E-02	3.18300E-01	1.25960E-02	5.66050E-02
7.64670E+02	5.10800E-02	3.14950E-01	1.60880E-02	7.22970E-02
7.64010E+02	6.78240E-02	3.11950E-01	2.11570E-02	9.50800E-02
7.63350E+02	8.77090E-02	3.08950E-01	2.70980E-02	1.21780E-01
7.62540E+02	1.18060E-01	3.07180E-01	3.62670E-02	1.62980E-01
7.61950E+02	1.40040E-01	3.06480E-01	4.29210E-02	1.92880E-01
7.61730E+02	1.56790E-01	3.06220E-01	4.80140E-02	2.15770E-01
7.60540E+02	2.45780E-01	3.04820E-01	7.49190E-02	3.36680E-01
7.59650E+02	3.16970E-01	3.03770E-01	9.62880E-02	4.32710E-01
7.58830E+02	3.87120E-01	3.02810E-01	1.17220E-01	5.26790E-01
7.58390E+02	4.30040E-01	3.02260E-01	1.29990E-01	5.84150E-01
7.57720E+02	5.01240E-01	3.01440E-01	1.51090E-01	6.79000E-01
7.57050E+02	5.59870E-01	3.00620E-01	1.68300E-01	7.56350E-01
7.56530E+02	5.97550E-01	3.00020E-01	1.79280E-01	8.05660E-01
7.55860E+02	6.36290E-01	2.99330E-01	1.90460E-01	8.55920E-01
7.55270E+02	6.68740E-01	2.98720E-01	1.99770E-01	8.97740E-01
7.54900E+02	6.89680E-01	2.98340E-01	2.05760E-01	9.24660E-01
7.54460E+02	7.01190E-01	2.97880E-01	2.08870E-01	9.38660E-01
7.53650E+02	7.22120E-01	2.97050E-01	2.14510E-01	9.63980E-01
7.52480E+02	7.38860E-01	2.95880E-01	2.18610E-01	9.82430E-01
7.51670E+02	7.51410E-01	2.95050E-01	2.21700E-01	9.96310E-01
7.50720E+02	7.55580E-01	2.93800E-01	2.21990E-01	9.97600E-01
7.49840E+02	7.57660E-01	2.91870E-01	2.21140E-01	9.93790E-01
7.49250E+02	7.66030E-01	2.90490E-01	2.22520E-01	1.00000E+00
7.48510E+02	7.70210E-01	2.88760E-01	2.22410E-01	9.99490E-01
7.48000E+02	7.71250E-01	2.87560E-01	2.21780E-01	9.96680E-01
7.47200E+02	7.73330E-01	2.85700E-01	2.20940E-01	9.92900E-01
7.46610E+02	7.75420E-01	2.84350E-01	2.20490E-01	9.90880E-01
7.45950E+02	7.80640E-01	2.82840E-01	2.20800E-01	9.92250E-01

7.45070E+02	7.73300E-01	2.80840E-01	2.17170E-01	9.75960E-01
7.44630E+02	7.65960E-01	2.79750E-01	2.14280E-01	9.62960E-01
7.44190E+02	7.54440E-01	2.78390E-01	2.10030E-01	9.43850E-01
7.43750E+02	7.41870E-01	2.77030E-01	2.05520E-01	9.23590E-01
7.43460E+02	7.26160E-01	2.76130E-01	2.00510E-01	9.01100E-01
7.43170E+02	7.12540E-01	2.75230E-01	1.96110E-01	8.81320E-01
7.42880E+02	6.98920E-01	2.74340E-01	1.91740E-01	8.61670E-01
7.42590E+02	6.73790E-01	2.73450E-01	1.84240E-01	8.27980E-01
7.42160E+02	6.36080E-01	2.72120E-01	1.73090E-01	7.77850E-01
7.41650E+02	5.90000E-01	2.70590E-01	1.59650E-01	7.17450E-01
7.41440E+02	5.51260E-01	2.69940E-01	1.48810E-01	6.68730E-01
7.40930E+02	4.94700E-01	2.68450E-01	1.32800E-01	5.96810E-01
7.40360E+02	4.19300E-01	2.66650E-01	1.11810E-01	5.02450E-01
7.39560E+02	3.40760E-01	2.64140E-01	9.00090E-02	4.04490E-01
7.39060E+02	2.78970E-01	2.62540E-01	7.32390E-02	3.29130E-01
7.38480E+02	2.17180E-01	2.60690E-01	5.66160E-02	2.54430E-01
7.37830E+02	1.72140E-01	2.58730E-01	4.45380E-02	2.00150E-01
7.37250E+02	1.38630E-01	2.58010E-01	3.57670E-02	1.60740E-01
7.36810E+02	1.12440E-01	2.57480E-01	2.89510E-02	1.30100E-01
7.36230E+02	9.04450E-02	2.56760E-01	2.32230E-02	1.04360E-01
7.35640E+02	6.94940E-02	2.56030E-01	1.77920E-02	7.99580E-02
7.35060E+02	5.37780E-02	2.55300E-01	1.37300E-02	6.17000E-02
7.34400E+02	4.22500E-02	2.54480E-01	1.07520E-02	4.83180E-02
7.33890E+02	3.28180E-02	2.53850E-01	8.33080E-03	3.74380E-02
7.33300E+02	2.96680E-02	2.53120E-01	7.50970E-03	3.37480E-02
7.32720E+02	2.44240E-02	2.52400E-01	6.16450E-03	2.77030E-02
7.32280E+02	1.70870E-02	2.51800E-01	4.30250E-03	1.93350E-02
7.31620E+02	1.28890E-02	2.50840E-01	3.23310E-03	1.45290E-02
7.30810E+02	9.73550E-03	2.49680E-01	2.43070E-03	1.09230E-02
7.29940E+02	8.67520E-03	2.48410E-01	2.15500E-03	9.68440E-03
7.28980E+02	6.56670E-03	2.47040E-01	1.62230E-03	7.29040E-03
7.27960E+02	4.45710E-03	2.45550E-01	1.09440E-03	4.91840E-03
7.27000E+02	4.44290E-03	2.44140E-01	1.08470E-03	4.87440E-03
7.26420E+02	2.33980E-03	2.43310E-01	5.69310E-04	2.55840E-03
7.25980E+02	2.39030E-04	2.42710E-01	5.80150E-05	2.60720E-04
7.25100E+02	2.32010E-03	2.41440E-01	5.60170E-04	2.51740E-03
7.24000E+02	0.00000E+00	2.39820E-01	0.00000E+00	0.00000E+00
Channel 8				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
9.48000E+02	0.00000E+00	4.72010E-01	0.00000E+00	0.00000E+00

9.47870E+02	5.22470E-03	4.71920E-01	2.46560E-03	6.03420E-03
9.45150E+02	4.17970E-03	4.70090E-01	1.96490E-03	4.80870E-03
9.41590E+02	5.22470E-03	4.67700E-01	2.44360E-03	5.98030E-03
9.39290E+02	6.26960E-03	4.66200E-01	2.92290E-03	7.15330E-03
9.36780E+02	6.26960E-03	4.67470E-01	2.93080E-03	7.17280E-03
9.34270E+02	1.25390E-02	4.69580E-01	5.88820E-03	1.44110E-02
9.31760E+02	1.77640E-02	4.71800E-01	8.38100E-03	2.05110E-02
9.29880E+02	2.71680E-02	4.73410E-01	1.28620E-02	3.14770E-02
9.28000E+02	3.97070E-02	4.73810E-01	1.88140E-02	4.60440E-02
9.26750E+02	5.32910E-02	4.73520E-01	2.52350E-02	6.17590E-02
9.25290E+02	7.10550E-02	4.73190E-01	3.36230E-02	8.22870E-02
9.23620E+02	1.02400E-01	4.72790E-01	4.84150E-02	1.18490E-01
9.21540E+02	1.54650E-01	4.72270E-01	7.30360E-02	1.78740E-01
9.20090E+02	2.13170E-01	4.71610E-01	1.00530E-01	2.46040E-01
9.18840E+02	2.65410E-01	4.70890E-01	1.24980E-01	3.05870E-01
9.16360E+02	3.99160E-01	4.69450E-01	1.87390E-01	4.58600E-01
9.13880E+02	5.37100E-01	4.68590E-01	2.51680E-01	6.15950E-01
9.12230E+02	6.37410E-01	4.69060E-01	2.98980E-01	7.31720E-01
9.09940E+02	7.28320E-01	4.69830E-01	3.42180E-01	8.37440E-01
9.07650E+02	7.85790E-01	4.70530E-01	3.69740E-01	9.04890E-01
9.06410E+02	8.15050E-01	4.70910E-01	3.83810E-01	9.39330E-01
9.05360E+02	8.31770E-01	4.71210E-01	3.91930E-01	9.59200E-01
9.04320E+02	8.44300E-01	4.71500E-01	3.98090E-01	9.74270E-01
9.03070E+02	8.54750E-01	4.71790E-01	4.03260E-01	9.86930E-01
9.01600E+02	8.63110E-01	4.71210E-01	4.06700E-01	9.95350E-01
9.00140E+02	8.68340E-01	4.70560E-01	4.08600E-01	1.00000E+00
8.98680E+02	8.67290E-01	4.69910E-01	4.07550E-01	9.97420E-01
8.97210E+02	8.65200E-01	4.69250E-01	4.06000E-01	9.93630E-01
8.94910E+02	8.58930E-01	4.67950E-01	4.01940E-01	9.83690E-01
8.93230E+02	8.50570E-01	4.66920E-01	3.97150E-01	9.71970E-01
8.91140E+02	8.44300E-01	4.65490E-01	3.93010E-01	9.61840E-01
8.89670E+02	8.33860E-01	4.63850E-01	3.86790E-01	9.46600E-01
8.88420E+02	8.22360E-01	4.62410E-01	3.80270E-01	9.30660E-01
8.87570E+02	8.07730E-01	4.61470E-01	3.72740E-01	9.12230E-01
8.86520E+02	7.91010E-01	4.60250E-01	3.64070E-01	8.91000E-01
8.86100E+02	7.65940E-01	4.59770E-01	3.52150E-01	8.61840E-01
8.85050E+02	7.42950E-01	4.58560E-01	3.40680E-01	8.33770E-01
8.84420E+02	7.19960E-01	4.57830E-01	3.29620E-01	8.06690E-01
8.83580E+02	6.93830E-01	4.56860E-01	3.16980E-01	7.75770E-01
8.82730E+02	6.50990E-01	4.55880E-01	2.96780E-01	7.26320E-01
8.81880E+02	5.97700E-01	4.54930E-01	2.71910E-01	6.65470E-01
8.81040E+02	5.62170E-01	4.53940E-01	2.55190E-01	6.24540E-01
8.80610E+02	5.20380E-01	4.53460E-01	2.35970E-01	5.77500E-01

8.80400E+02	4.86940E-01	4.53220E-01	2.20690E-01	5.40110E-01
8.79340E+02	4.31560E-01	4.52060E-01	1.95090E-01	4.77450E-01
8.78490E+02	4.03340E-01	4.51130E-01	1.81960E-01	4.45320E-01
8.78060E+02	3.21840E-01	4.50650E-01	1.45040E-01	3.54960E-01
8.76790E+02	2.60190E-01	4.49340E-01	1.16910E-01	2.86130E-01
8.75520E+02	2.06900E-01	4.48450E-01	9.27830E-02	2.27070E-01
8.74470E+02	1.67190E-01	4.47720E-01	7.48530E-02	1.83190E-01
8.73630E+02	1.35840E-01	4.47130E-01	6.07380E-02	1.48650E-01
8.72570E+02	1.07630E-01	4.45880E-01	4.79890E-02	1.17450E-01
8.71310E+02	8.35950E-02	4.43900E-01	3.71080E-02	9.08150E-02
8.70260E+02	6.68760E-02	4.42230E-01	2.95750E-02	7.23790E-02
8.69010E+02	5.12020E-02	4.40200E-01	2.25390E-02	5.51610E-02
8.67120E+02	3.55280E-02	4.37080E-01	1.55280E-02	3.80030E-02
8.65650E+02	2.50780E-02	4.34700E-01	1.09020E-02	2.66800E-02
8.64190E+02	1.98540E-02	4.32230E-01	8.58130E-03	2.10010E-02
8.62930E+02	1.67190E-02	4.28980E-01	7.17200E-03	1.75520E-02
8.61470E+02	1.25390E-02	4.23500E-01	5.31030E-03	1.29960E-02
8.59370E+02	1.04490E-02	4.15650E-01	4.34330E-03	1.06300E-02
8.57490E+02	8.35950E-03	4.11440E-01	3.43940E-03	8.41750E-03
8.54560E+02	7.31450E-03	4.07660E-01	2.98180E-03	7.29760E-03
8.51000E+02	4.17970E-03	4.03740E-01	1.68750E-03	4.12990E-03
8.48000E+02	0.00000E+00	4.01530E-01	0.00000E+00	0.00000E+00
Channel 9				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
1.06600E+03	0.00000E+00	4.46840E-01	0.00000E+00	0.00000E+00
1.06560E+03	3.01220E-03	4.47100E-01	1.34680E-03	3.76820E-03
1.06220E+03	5.07470E-03	4.49100E-01	2.27910E-03	6.37670E-03
1.06030E+03	8.19640E-03	4.49930E-01	3.68780E-03	1.03180E-02
1.05890E+03	1.23680E-02	4.50390E-01	5.57060E-03	1.55860E-02
1.05730E+03	1.75840E-02	4.50980E-01	7.93030E-03	2.21890E-02
1.05580E+03	2.38470E-02	4.51540E-01	1.07680E-02	3.01280E-02
1.05430E+03	3.32480E-02	4.52080E-01	1.50310E-02	4.20560E-02
1.05350E+03	3.95180E-02	4.52350E-01	1.78760E-02	5.00160E-02
1.05260E+03	4.99710E-02	4.52640E-01	2.26190E-02	6.32860E-02
1.05200E+03	6.04250E-02	4.52850E-01	2.73640E-02	7.65630E-02
1.05160E+03	7.40200E-02	4.52980E-01	3.35300E-02	9.38150E-02
1.05100E+03	9.49350E-02	4.53190E-01	4.30240E-02	1.20380E-01
1.05020E+03	1.17940E-01	4.53350E-01	5.34680E-02	1.49600E-01
1.04950E+03	1.50360E-01	4.53450E-01	6.81810E-02	1.90770E-01
1.04860E+03	1.95330E-01	4.53390E-01	8.85620E-02	2.47790E-01

1.04760E+03	2.43440E-01	4.53350E-01	1.10360E-01	3.08800E-01
1.04670E+03	2.93640E-01	4.53320E-01	1.33120E-01	3.72450E-01
1.04440E+03	4.71450E-01	4.53260E-01	2.13690E-01	5.97890E-01
1.04340E+03	5.60350E-01	4.53250E-01	2.53980E-01	7.10620E-01
1.04220E+03	6.34610E-01	4.53240E-01	2.87630E-01	8.04770E-01
1.04120E+03	6.91080E-01	4.53220E-01	3.13210E-01	8.76350E-01
1.04020E+03	7.25590E-01	4.53120E-01	3.28780E-01	9.19910E-01
1.03960E+03	7.44420E-01	4.53130E-01	3.37320E-01	9.43800E-01
1.03870E+03	7.60100E-01	4.53140E-01	3.44430E-01	9.63700E-01
1.03770E+03	7.70550E-01	4.53140E-01	3.49170E-01	9.76960E-01
1.03670E+03	7.77860E-01	4.53150E-01	3.52490E-01	9.86240E-01
1.03560E+03	7.83080E-01	4.53310E-01	3.54980E-01	9.93230E-01
1.03460E+03	7.86210E-01	4.53550E-01	3.56590E-01	9.97720E-01
1.03270E+03	7.87240E-01	4.53990E-01	3.57400E-01	1.00000E+00
1.03130E+03	7.87230E-01	4.53130E-01	3.56720E-01	9.98070E-01
1.02970E+03	7.89310E-01	4.51390E-01	3.56290E-01	9.96870E-01
1.02850E+03	7.91390E-01	4.50160E-01	3.56250E-01	9.96780E-01
1.02730E+03	7.91380E-01	4.50100E-01	3.56200E-01	9.96630E-01
1.02630E+03	7.87190E-01	4.50250E-01	3.54430E-01	9.91690E-01
1.02550E+03	7.79860E-01	4.50370E-01	3.51230E-01	9.82720E-01
1.02490E+03	7.70440E-01	4.50470E-01	3.47060E-01	9.71060E-01
1.02450E+03	7.61020E-01	4.50530E-01	3.42860E-01	9.59310E-01
1.02410E+03	7.45330E-01	4.50590E-01	3.35830E-01	9.39650E-01
1.02350E+03	7.22310E-01	4.50680E-01	3.25530E-01	9.10830E-01
1.02300E+03	6.91970E-01	4.50760E-01	3.11910E-01	8.72720E-01
1.02240E+03	6.53260E-01	4.50860E-01	2.94530E-01	8.24080E-01
1.02110E+03	5.61200E-01	4.51370E-01	2.53310E-01	7.08740E-01
1.02000E+03	4.50310E-01	4.52370E-01	2.03710E-01	5.69970E-01
1.01860E+03	3.38380E-01	4.53610E-01	1.53490E-01	4.29470E-01
1.01740E+03	2.46320E-01	4.54750E-01	1.12010E-01	3.13410E-01
1.01670E+03	2.04470E-01	4.55320E-01	9.30980E-02	2.60480E-01
1.01590E+03	1.56340E-01	4.56110E-01	7.13110E-02	1.99520E-01
1.01510E+03	1.22860E-01	4.56800E-01	5.61250E-02	1.57040E-01
1.01410E+03	9.56600E-02	4.57710E-01	4.37840E-02	1.22510E-01
1.01340E+03	7.36870E-02	4.58390E-01	3.37770E-02	9.45080E-02
1.01230E+03	5.58950E-02	4.59300E-01	2.56730E-02	7.18310E-02
1.01150E+03	4.33360E-02	4.60080E-01	1.99380E-02	5.57850E-02
1.01010E+03	3.07710E-02	4.61280E-01	1.41940E-02	3.97140E-02
1.00890E+03	2.23930E-02	4.60760E-01	1.03180E-02	2.88690E-02
1.00730E+03	1.50570E-02	4.59960E-01	6.92560E-03	1.93770E-02
1.00570E+03	8.76650E-03	4.59180E-01	4.02540E-03	1.12630E-02
1.00470E+03	6.66570E-03	4.58660E-01	3.05730E-03	8.55410E-03
1.00290E+03	5.60430E-03	4.58240E-01	2.56810E-03	7.18550E-03

1.00130E+03	3.49800E-03	4.60090E-01	1.60940E-03	4.50310E-03
1.00000E+03	0.00000E+00	4.61610E-01	0.00000E+00	0.00000E+00
Channel 10				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
8.19000E+02	0.00000E+00	3.98750E-01	0.00000E+00	0.00000E+00
8.18120E+02	1.14940E-02	3.98560E-01	4.58120E-03	1.59300E-02
8.17800E+02	1.25390E-02	3.98490E-01	4.99670E-03	1.73750E-02
8.17490E+02	1.77640E-02	3.98410E-01	7.07730E-03	2.46100E-02
8.17120E+02	2.40330E-02	3.98010E-01	9.56560E-03	3.32620E-02
8.16490E+02	2.92580E-02	3.96690E-01	1.16060E-02	4.03580E-02
8.15810E+02	3.44830E-02	3.95130E-01	1.36250E-02	4.73780E-02
8.15190E+02	4.17970E-02	3.93630E-01	1.64530E-02	5.72110E-02
8.14720E+02	5.32910E-02	3.92520E-01	2.09180E-02	7.27370E-02
8.14350E+02	6.47860E-02	3.91680E-01	2.53750E-02	8.82370E-02
8.13930E+02	7.94150E-02	3.91030E-01	3.10530E-02	1.07980E-01
8.13510E+02	9.71790E-02	3.90370E-01	3.79350E-02	1.31910E-01
8.13150E+02	1.20170E-01	3.89790E-01	4.68400E-02	1.62880E-01
8.12780E+02	1.49420E-01	3.89220E-01	5.81590E-02	2.02230E-01
8.12000E+02	2.40330E-01	3.87990E-01	9.32480E-02	3.24250E-01
8.11170E+02	3.49010E-01	3.86690E-01	1.34960E-01	4.69280E-01
8.10700E+02	3.94980E-01	3.85960E-01	1.52450E-01	5.30100E-01
8.10180E+02	4.66040E-01	3.85140E-01	1.79490E-01	6.24140E-01
8.09400E+02	5.44410E-01	3.83930E-01	2.09010E-01	7.26800E-01
8.08770E+02	5.93520E-01	3.82950E-01	2.27290E-01	7.90350E-01
8.08360E+02	6.19640E-01	3.82310E-01	2.36890E-01	8.23740E-01
8.07940E+02	6.40540E-01	3.81670E-01	2.44480E-01	8.50120E-01
8.07210E+02	6.67710E-01	3.80600E-01	2.54130E-01	8.83680E-01
8.06630E+02	6.84430E-01	3.79760E-01	2.59920E-01	9.03800E-01
8.06220E+02	6.96970E-01	3.79140E-01	2.64250E-01	9.18870E-01
8.05800E+02	7.07420E-01	3.78530E-01	2.67780E-01	9.31140E-01
8.05530E+02	7.16820E-01	3.78150E-01	2.71060E-01	9.42560E-01
8.05170E+02	7.33540E-01	3.77610E-01	2.76990E-01	9.63180E-01
8.04650E+02	7.49220E-01	3.76840E-01	2.82340E-01	9.81760E-01
8.04280E+02	7.60710E-01	3.76280E-01	2.86240E-01	9.95320E-01
8.04070E+02	7.63850E-01	3.75950E-01	2.87170E-01	9.98560E-01
8.03760E+02	7.65940E-01	3.75470E-01	2.87580E-01	1.00000E+00
8.03500E+02	7.62800E-01	3.75180E-01	2.86180E-01	9.95140E-01
8.03180E+02	7.56530E-01	3.74840E-01	2.83580E-01	9.86080E-01
8.02710E+02	7.42950E-01	3.74340E-01	2.78120E-01	9.67080E-01
8.02080E+02	7.27270E-01	3.73670E-01	2.71760E-01	9.44980E-01

8.01450E+02	7.09510E-01	3.72990E-01	2.64640E-01	9.20220E-01
8.01080E+02	6.95920E-01	3.72590E-01	2.59300E-01	9.01640E-01
8.00610E+02	6.78160E-01	3.72080E-01	2.52330E-01	8.77420E-01
8.00300E+02	6.62490E-01	3.71740E-01	2.46280E-01	8.56370E-01
7.99930E+02	6.48900E-01	3.71350E-01	2.40970E-01	8.37910E-01
7.99560E+02	6.39500E-01	3.70950E-01	2.37220E-01	8.24890E-01
7.99140E+02	6.28000E-01	3.70490E-01	2.32670E-01	8.09060E-01
7.98670E+02	6.11280E-01	3.69950E-01	2.26140E-01	7.86360E-01
7.98200E+02	5.88300E-01	3.69400E-01	2.17320E-01	7.55660E-01
7.97830E+02	5.68440E-01	3.68970E-01	2.09740E-01	7.29320E-01
7.97520E+02	5.47540E-01	3.68610E-01	2.01830E-01	7.01820E-01
7.97200E+02	5.22470E-01	3.68250E-01	1.92400E-01	6.69010E-01
7.96880E+02	4.90070E-01	3.67880E-01	1.80290E-01	6.26910E-01
7.96520E+02	4.51410E-01	3.67460E-01	1.65870E-01	5.76790E-01
7.95620E+02	3.45870E-01	3.66430E-01	1.26740E-01	4.40700E-01
7.95040E+02	2.68550E-01	3.65760E-01	9.82250E-02	3.41550E-01
7.94570E+02	2.11080E-01	3.65220E-01	7.70890E-02	2.68060E-01
7.94040E+02	1.61960E-01	3.64650E-01	5.90600E-02	2.05370E-01
7.93930E+02	1.41070E-01	3.64560E-01	5.14270E-02	1.78830E-01
7.93670E+02	1.25390E-01	3.64330E-01	4.56850E-02	1.58860E-01
7.93460E+02	1.11810E-01	3.64150E-01	4.07150E-02	1.41580E-01
7.93200E+02	9.71790E-02	3.63930E-01	3.53660E-02	1.22980E-01
7.92990E+02	8.25500E-02	3.63750E-01	3.00270E-02	1.04410E-01
7.92620E+02	7.10550E-02	3.63430E-01	2.58240E-02	8.97970E-02
7.92360E+02	6.06060E-02	3.63210E-01	2.20130E-02	7.65440E-02
7.92100E+02	5.12020E-02	3.62980E-01	1.85850E-02	6.46260E-02
7.91730E+02	4.28420E-02	3.62670E-01	1.55380E-02	5.40280E-02
7.91360E+02	3.55280E-02	3.62200E-01	1.28680E-02	4.47450E-02
7.91000E+02	3.13480E-02	3.61690E-01	1.13380E-02	3.94260E-02
7.90580E+02	2.71680E-02	3.61110E-01	9.81070E-03	3.41140E-02
7.90050E+02	2.40330E-02	3.60390E-01	8.66140E-03	3.01180E-02
7.89640E+02	2.08990E-02	3.59820E-01	7.51970E-03	2.61480E-02
7.89220E+02	1.88090E-02	3.59250E-01	6.75710E-03	2.34960E-02
7.88850E+02	1.56740E-02	3.58630E-01	5.62120E-03	1.95460E-02
7.88690E+02	1.14940E-02	3.58370E-01	4.11920E-03	1.43240E-02
7.88000E+02	0.00000E+00	3.57200E-01	0.00000E+00	0.00000E+00
Channel 11				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
1.41000E+03	0.00000E+00	1.81590E-01	0.00000E+00	0.00000E+00
1.40710E+03	6.28270E-03	1.85050E-01	1.16260E-03	7.26160E-03

1.40480E+03	8.37700E-03	1.87660E-01	1.57200E-03	9.81880E-03
1.40290E+03	1.15180E-02	1.90850E-01	2.19820E-03	1.37300E-02
1.40050E+03	1.36130E-02	1.94450E-01	2.64700E-03	1.65330E-02
1.39840E+03	1.57070E-02	1.96520E-01	3.08680E-03	1.92800E-02
1.39590E+03	1.88480E-02	1.98990E-01	3.75060E-03	2.34260E-02
1.39390E+03	2.09420E-02	2.00810E-01	4.20540E-03	2.62670E-02
1.39240E+03	2.72250E-02	2.01750E-01	5.49270E-03	3.43070E-02
1.39130E+03	3.45550E-02	2.02510E-01	6.99770E-03	4.37070E-02
1.38990E+03	4.50260E-02	2.03640E-01	9.16930E-03	5.72710E-02
1.38890E+03	5.75920E-02	2.04460E-01	1.17750E-02	7.35480E-02
1.38800E+03	7.53930E-02	2.05190E-01	1.54690E-02	9.66210E-02
1.38720E+03	9.52880E-02	2.05800E-01	1.96110E-02	1.22490E-01
1.38620E+03	1.37170E-01	2.06640E-01	2.83450E-02	1.77040E-01
1.38570E+03	1.60210E-01	2.07050E-01	3.31710E-02	2.07190E-01
1.38450E+03	2.15710E-01	2.08090E-01	4.48860E-02	2.80350E-01
1.38270E+03	3.43460E-01	2.09090E-01	7.18130E-02	4.48540E-01
1.38180E+03	3.89530E-01	2.09440E-01	8.15840E-02	5.09570E-01
1.38080E+03	4.43980E-01	2.09850E-01	9.31710E-02	5.81940E-01
1.38010E+03	4.98430E-01	2.10170E-01	1.04750E-01	6.54280E-01
1.37910E+03	5.32980E-01	2.10580E-01	1.12230E-01	7.01010E-01
1.37830E+03	5.53930E-01	2.10880E-01	1.16810E-01	7.29620E-01
1.37770E+03	5.66490E-01	2.11140E-01	1.19610E-01	7.47080E-01
1.37670E+03	5.83250E-01	2.11550E-01	1.23390E-01	7.70670E-01
1.37570E+03	5.96860E-01	2.11780E-01	1.26400E-01	7.89510E-01
1.37490E+03	6.09420E-01	2.11710E-01	1.29020E-01	8.05840E-01
1.37380E+03	6.31410E-01	2.11600E-01	1.33610E-01	8.34500E-01
1.37270E+03	6.56540E-01	2.11490E-01	1.38860E-01	8.67280E-01
1.37190E+03	6.76440E-01	2.11520E-01	1.43080E-01	8.93660E-01
1.37090E+03	6.95290E-01	2.11910E-01	1.47340E-01	9.20260E-01
1.37030E+03	7.11000E-01	2.12200E-01	1.50870E-01	9.42340E-01
1.36920E+03	7.27750E-01	2.12730E-01	1.54820E-01	9.66970E-01
1.36820E+03	7.38220E-01	2.13200E-01	1.57390E-01	9.83060E-01
1.36730E+03	7.46600E-01	2.13620E-01	1.59490E-01	9.96150E-01
1.36610E+03	7.47640E-01	2.14140E-01	1.60100E-01	1.00000E+00
1.36540E+03	7.45550E-01	2.14450E-01	1.59880E-01	9.98610E-01
1.36450E+03	7.39270E-01	2.14790E-01	1.58790E-01	9.91790E-01
1.36400E+03	7.29840E-01	2.14990E-01	1.56910E-01	9.80040E-01
1.36340E+03	7.18330E-01	2.15240E-01	1.54610E-01	9.65680E-01
1.36290E+03	7.04710E-01	2.15430E-01	1.51820E-01	9.48240E-01
1.36240E+03	6.91100E-01	2.15550E-01	1.48960E-01	9.30420E-01
1.36190E+03	6.75390E-01	2.15040E-01	1.45240E-01	9.07150E-01
1.36150E+03	6.61780E-01	2.14630E-01	1.42040E-01	8.87180E-01
1.36100E+03	6.45030E-01	2.14070E-01	1.38080E-01	8.62450E-01

1.36050E+03	6.26180E-01	2.13520E-01	1.33700E-01	8.35080E-01
1.35970E+03	5.94760E-01	2.13720E-01	1.27110E-01	7.93930E-01
1.35860E+03	5.54970E-01	2.14050E-01	1.18790E-01	7.41980E-01
1.35820E+03	5.35080E-01	2.14170E-01	1.14600E-01	7.15760E-01
1.35750E+03	5.13090E-01	2.14390E-01	1.10000E-01	6.87070E-01
1.35700E+03	4.98430E-01	2.14540E-01	1.06930E-01	6.67900E-01
1.35640E+03	4.84820E-01	2.14750E-01	1.04110E-01	6.50290E-01
1.35590E+03	4.75390E-01	2.14950E-01	1.02180E-01	6.38230E-01
1.35540E+03	4.69110E-01	2.15140E-01	1.00920E-01	6.30370E-01
1.35470E+03	4.68060E-01	2.15390E-01	1.00810E-01	6.29680E-01
1.35410E+03	4.70160E-01	2.15630E-01	1.01380E-01	6.33220E-01
1.35370E+03	4.76440E-01	2.15780E-01	1.02810E-01	6.42120E-01
1.35310E+03	4.86910E-01	2.16020E-01	1.05180E-01	6.56970E-01
1.35270E+03	4.97380E-01	2.16170E-01	1.07520E-01	6.71550E-01
1.35170E+03	5.27750E-01	2.16560E-01	1.14290E-01	7.13830E-01
1.35100E+03	5.47640E-01	2.16850E-01	1.18760E-01	7.41750E-01
1.35050E+03	5.61260E-01	2.17040E-01	1.21820E-01	7.60860E-01
1.35010E+03	5.67540E-01	2.17190E-01	1.23260E-01	7.69890E-01
1.34920E+03	5.67540E-01	2.17520E-01	1.23450E-01	7.71070E-01
1.34890E+03	5.59160E-01	2.17620E-01	1.21680E-01	7.60030E-01
1.34840E+03	5.44500E-01	2.17810E-01	1.18600E-01	7.40760E-01
1.34790E+03	5.24610E-01	2.18010E-01	1.14370E-01	7.14330E-01
1.34740E+03	4.91100E-01	2.18460E-01	1.07290E-01	6.70100E-01
1.34680E+03	4.51310E-01	2.19060E-01	9.88650E-02	6.17500E-01
1.34620E+03	3.98950E-01	2.19690E-01	8.76440E-02	5.47420E-01
1.34570E+03	3.40310E-01	2.20180E-01	7.49310E-02	4.68020E-01
1.34490E+03	2.92150E-01	2.20930E-01	6.45440E-02	4.03140E-01
1.34390E+03	2.16750E-01	2.21920E-01	4.81030E-02	3.00450E-01
1.34340E+03	1.85340E-01	2.22420E-01	4.12230E-02	2.57480E-01
1.34260E+03	1.43450E-01	2.23290E-01	3.20320E-02	2.00070E-01
1.34220E+03	1.21470E-01	2.23660E-01	2.71670E-02	1.69680E-01
1.34160E+03	1.09950E-01	2.24280E-01	2.46600E-02	1.54020E-01
1.34090E+03	9.52880E-02	2.24910E-01	2.14310E-02	1.33860E-01
1.34040E+03	8.37700E-02	2.25410E-01	1.88830E-02	1.17940E-01
1.33970E+03	7.22510E-02	2.26160E-01	1.63400E-02	1.02060E-01
1.33880E+03	6.28270E-02	2.27040E-01	1.42650E-02	8.90950E-02
1.33750E+03	5.54970E-02	2.28290E-01	1.26690E-02	7.91330E-02
1.33630E+03	4.60730E-02	2.29500E-01	1.05740E-02	6.60440E-02
1.33490E+03	4.08380E-02	2.30750E-01	9.42330E-03	5.88570E-02
1.33390E+03	3.24610E-02	2.31660E-01	7.51970E-03	4.69680E-02
1.33250E+03	2.61780E-02	2.32890E-01	6.09670E-03	3.80790E-02
1.33090E+03	1.78010E-02	2.34320E-01	4.17110E-03	2.60530E-02
1.33000E+03	1.25650E-02	2.35080E-01	2.95390E-03	1.84500E-02

1.32890E+03	1.04710E-02	2.36060E-01	2.47180E-03	1.54390E-02
1.32710E+03	8.37700E-03	2.37960E-01	1.99340E-03	1.24500E-02
1.32550E+03	5.23560E-03	2.39770E-01	1.25530E-03	7.84070E-03
1.32340E+03	3.14140E-03	2.42200E-01	7.60820E-04	4.75200E-03
1.32200E+03	0.00000E+00	2.43750E-01	0.00000E+00	0.00000E+00
Channel 12				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
1.58200E+03	0.00000E+00	5.01120E-02	0.00000E+00	0.00000E+00
1.58180E+03	4.19290E-03	5.03360E-02	2.11050E-04	2.43570E-03
1.58060E+03	5.24110E-03	5.14480E-02	2.69640E-04	3.11180E-03
1.57770E+03	5.24110E-03	5.40270E-02	2.83160E-04	3.26780E-03
1.57340E+03	6.28930E-03	5.87360E-02	3.69410E-04	4.26320E-03
1.57110E+03	6.28930E-03	6.16760E-02	3.87900E-04	4.47660E-03
1.56940E+03	9.43400E-03	6.34980E-02	5.99030E-04	6.91320E-03
1.56770E+03	1.25790E-02	6.56310E-02	8.25550E-04	9.52730E-03
1.56620E+03	1.57230E-02	6.73840E-02	1.05950E-03	1.22270E-02
1.56520E+03	2.09640E-02	6.85010E-02	1.43610E-03	1.65730E-02
1.56450E+03	2.83020E-02	6.92590E-02	1.96020E-03	2.26210E-02
1.56370E+03	3.66880E-02	7.02450E-02	2.57710E-03	2.97410E-02
1.56290E+03	5.13630E-02	7.12390E-02	3.65900E-03	4.22270E-02
1.56220E+03	6.49890E-02	7.20500E-02	4.68250E-03	5.40380E-02
1.56080E+03	7.33750E-02	7.37560E-02	5.41180E-03	6.24550E-02
1.55900E+03	9.43400E-02	7.62920E-02	7.19730E-03	8.30610E-02
1.55850E+03	1.16350E-01	7.70050E-02	8.95970E-03	1.03400E-01
1.55770E+03	2.10690E-01	7.80890E-02	1.64530E-02	1.89870E-01
1.55680E+03	2.44230E-01	7.92180E-02	1.93480E-02	2.23280E-01
1.55580E+03	2.97690E-01	8.09400E-02	2.40950E-02	2.78070E-01
1.55530E+03	3.24950E-01	8.18310E-02	2.65910E-02	3.06870E-01
1.55460E+03	3.85740E-01	8.26820E-02	3.18940E-02	3.68080E-01
1.55380E+03	4.66460E-01	8.34340E-02	3.89180E-02	4.49140E-01
1.55210E+03	5.02100E-01	8.49400E-02	4.26480E-02	4.92180E-01
1.55080E+03	5.42980E-01	8.61140E-02	4.67580E-02	5.39610E-01
1.54980E+03	5.75470E-01	8.72490E-02	5.02090E-02	5.79440E-01
1.54890E+03	5.97480E-01	8.83190E-02	5.27690E-02	6.08990E-01
1.54790E+03	6.20550E-01	8.97660E-02	5.57040E-02	6.42850E-01
1.54680E+03	6.35220E-01	9.12910E-02	5.79900E-02	6.69230E-01
1.54560E+03	6.45700E-01	9.23950E-02	5.96600E-02	6.88510E-01
1.54460E+03	6.54090E-01	9.32060E-02	6.09650E-02	7.03570E-01
1.54360E+03	6.58280E-01	9.40140E-02	6.18880E-02	7.14220E-01
1.54230E+03	6.50940E-01	9.50010E-02	6.18400E-02	7.13670E-01

1.54090E+03	6.46750E-01	9.59030E-02	6.20250E-02	7.15810E-01
1.53960E+03	6.47800E-01	9.68120E-02	6.27150E-02	7.23760E-01
1.53810E+03	6.42560E-01	9.77080E-02	6.27830E-02	7.24550E-01
1.53670E+03	6.46750E-01	9.84870E-02	6.36960E-02	7.35090E-01
1.53570E+03	6.56180E-01	9.91690E-02	6.50730E-02	7.50980E-01
1.53510E+03	6.71910E-01	9.96260E-02	6.69390E-02	7.72520E-01
1.53370E+03	6.80290E-01	1.00550E-01	6.84030E-02	7.89410E-01
1.53270E+03	6.94970E-01	1.01240E-01	7.03610E-02	8.12000E-01
1.53160E+03	7.04400E-01	1.02070E-01	7.18970E-02	8.29730E-01
1.53050E+03	7.07550E-01	1.02780E-01	7.27250E-02	8.39280E-01
1.52900E+03	7.04400E-01	1.03820E-01	7.31280E-02	8.43930E-01
1.52800E+03	6.97060E-01	1.04400E-01	7.27740E-02	8.39850E-01
1.52740E+03	6.90780E-01	1.04700E-01	7.23220E-02	8.34630E-01
1.52600E+03	6.78200E-01	1.05310E-01	7.14180E-02	8.24200E-01
1.52540E+03	6.63520E-01	1.05630E-01	7.00870E-02	8.08840E-01
1.52440E+03	6.49900E-01	1.06120E-01	6.89650E-02	7.95890E-01
1.52340E+03	6.37320E-01	1.06590E-01	6.79290E-02	7.83930E-01
1.52180E+03	6.31030E-01	1.07260E-01	6.76820E-02	7.81080E-01
1.52080E+03	6.20550E-01	1.07700E-01	6.68330E-02	7.71290E-01
1.51970E+03	6.14260E-01	1.08420E-01	6.66000E-02	7.68600E-01
1.51830E+03	6.17400E-01	1.09370E-01	6.75220E-02	7.79240E-01
1.51680E+03	6.23690E-01	1.10400E-01	6.88530E-02	7.94600E-01
1.51650E+03	6.33120E-01	1.10620E-01	7.00370E-02	8.08260E-01
1.51500E+03	6.49900E-01	1.11660E-01	7.25650E-02	8.37430E-01
1.51400E+03	6.69810E-01	1.12350E-01	7.52550E-02	8.68480E-01
1.51300E+03	6.98110E-01	1.13050E-01	7.89190E-02	9.10760E-01
1.51200E+03	7.22220E-01	1.13740E-01	8.21470E-02	9.48020E-01
1.51110E+03	7.38990E-01	1.14330E-01	8.44890E-02	9.75050E-01
1.51030E+03	7.48430E-01	1.14920E-01	8.60060E-02	9.92560E-01
1.50910E+03	7.47380E-01	1.15940E-01	8.66510E-02	1.00000E+00
1.50810E+03	7.41090E-01	1.16890E-01	8.66290E-02	9.99740E-01
1.50760E+03	7.30610E-01	1.17370E-01	8.57540E-02	9.89640E-01
1.50710E+03	7.11740E-01	1.17860E-01	8.38880E-02	9.68110E-01
1.50660E+03	6.85530E-01	1.18340E-01	8.11290E-02	9.36280E-01
1.50630E+03	6.45700E-01	1.18660E-01	7.66210E-02	8.84250E-01
1.50590E+03	5.92240E-01	1.18990E-01	7.04720E-02	8.13290E-01
1.50540E+03	5.38780E-01	1.19480E-01	6.43720E-02	7.42880E-01
1.50440E+03	4.94760E-01	1.20350E-01	5.95420E-02	6.87150E-01
1.50390E+03	4.30820E-01	1.20770E-01	5.20290E-02	6.00440E-01
1.50290E+03	3.53250E-01	1.21600E-01	4.29540E-02	4.95710E-01
1.50230E+03	2.83020E-01	1.22150E-01	3.45720E-02	3.98980E-01
1.50140E+03	2.04400E-01	1.22850E-01	2.51120E-02	2.89800E-01
1.50060E+03	1.55140E-01	1.23550E-01	1.91670E-02	2.21200E-01

1.49970E+03	1.21590E-01	1.24260E-01	1.51090E-02	1.74370E-01
1.49820E+03	8.90980E-02	1.25520E-01	1.11840E-02	1.29060E-01
1.49720E+03	6.18450E-02	1.26180E-01	7.80360E-03	9.00580E-02
1.49590E+03	3.45910E-02	1.27430E-01	4.40780E-03	5.08690E-02
1.49460E+03	1.78200E-02	1.29150E-01	2.30150E-03	2.65600E-02
1.49320E+03	1.36270E-02	1.30800E-01	1.78240E-03	2.05700E-02
1.49190E+03	1.04820E-02	1.32220E-01	1.38600E-03	1.59950E-02
1.49040E+03	8.38570E-03	1.33830E-01	1.12220E-03	1.29510E-02
1.48700E+03	8.38570E-03	1.37310E-01	1.15150E-03	1.32890E-02
1.48420E+03	7.33750E-03	1.39810E-01	1.02580E-03	1.18390E-02
1.48070E+03	6.28930E-03	1.42090E-01	8.93640E-04	1.03130E-02
1.48000E+03	0.00000E+00	1.42520E-01	0.00000E+00	0.00000E+00
Channel 13				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.21700E+03	0.00000E+00	4.43440E-01	0.00000E+00	0.00000E+00
2.21270E+03	1.04490E-02	4.39650E-01	4.59410E-03	2.08940E-02
2.21160E+03	1.14940E-02	4.38690E-01	5.04250E-03	2.29340E-02
2.21090E+03	1.67190E-02	4.38030E-01	7.32340E-03	3.33080E-02
2.21040E+03	1.98540E-02	4.37440E-01	8.68480E-03	3.94990E-02
2.20970E+03	1.98540E-02	4.36570E-01	8.66760E-03	3.94210E-02
2.20910E+03	2.29880E-02	4.35980E-01	1.00230E-02	4.55830E-02
2.20840E+03	3.03030E-02	4.35130E-01	1.31860E-02	5.99700E-02
2.20800E+03	3.76180E-02	4.34660E-01	1.63510E-02	7.43660E-02
2.20750E+03	4.07520E-02	4.34160E-01	1.76930E-02	8.04690E-02
2.20650E+03	4.70220E-02	4.33200E-01	2.03700E-02	9.26450E-02
2.20590E+03	5.64260E-02	4.32650E-01	2.44130E-02	1.11030E-01
2.20530E+03	6.89650E-02	4.32100E-01	2.98000E-02	1.35530E-01
2.20450E+03	7.83700E-02	4.31490E-01	3.38160E-02	1.53800E-01
2.20390E+03	8.88190E-02	4.31050E-01	3.82860E-02	1.74130E-01
2.20310E+03	1.07630E-01	4.30450E-01	4.63290E-02	2.10710E-01
2.20190E+03	1.36890E-01	4.29530E-01	5.87970E-02	2.67420E-01
2.19970E+03	1.99580E-01	4.27730E-01	8.53660E-02	3.88260E-01
2.19760E+03	2.62280E-01	4.26690E-01	1.11910E-01	5.08980E-01
2.19590E+03	3.07210E-01	4.25770E-01	1.30800E-01	5.94900E-01
2.19500E+03	3.27060E-01	4.25670E-01	1.39220E-01	6.33200E-01
2.19440E+03	3.37510E-01	4.25600E-01	1.43650E-01	6.53320E-01
2.19370E+03	3.46920E-01	4.25340E-01	1.47560E-01	6.71100E-01
2.19300E+03	3.52140E-01	4.24950E-01	1.49640E-01	6.80590E-01
2.19240E+03	3.56320E-01	4.24560E-01	1.51280E-01	6.88040E-01
2.19150E+03	3.57370E-01	4.24070E-01	1.51550E-01	6.89250E-01

2.19060E+03	3.55280E-01	4.23790E-01	1.50560E-01	6.84770E-01
2.19000E+03	3.51100E-01	4.23590E-01	1.48720E-01	6.76400E-01
2.18910E+03	3.50050E-01	4.23480E-01	1.48240E-01	6.74210E-01
2.18810E+03	3.50050E-01	4.23340E-01	1.48190E-01	6.73990E-01
2.18770E+03	3.47960E-01	4.23260E-01	1.47280E-01	6.69840E-01
2.18690E+03	3.45870E-01	4.23080E-01	1.46330E-01	6.65540E-01
2.18640E+03	3.49010E-01	4.22930E-01	1.47610E-01	6.71330E-01
2.18570E+03	3.55280E-01	4.22600E-01	1.50140E-01	6.82850E-01
2.18500E+03	3.68860E-01	4.22220E-01	1.55740E-01	7.08320E-01
2.18410E+03	3.99160E-01	4.21810E-01	1.68370E-01	7.65760E-01
2.18310E+03	4.27380E-01	4.21470E-01	1.80130E-01	8.19240E-01
2.18240E+03	4.58720E-01	4.21320E-01	1.93270E-01	8.79020E-01
2.18190E+03	4.76490E-01	4.21220E-01	2.00710E-01	9.12840E-01
2.18140E+03	4.92160E-01	4.21130E-01	2.07270E-01	9.42670E-01
2.18110E+03	5.02610E-01	4.21060E-01	2.11630E-01	9.62510E-01
2.18060E+03	5.13060E-01	4.20970E-01	2.15980E-01	9.82320E-01
2.18030E+03	5.19330E-01	4.20910E-01	2.18590E-01	9.94170E-01
2.17980E+03	5.22470E-01	4.20830E-01	2.19870E-01	1.00000E+00
2.17930E+03	5.20380E-01	4.20750E-01	2.18950E-01	9.95800E-01
2.17890E+03	5.13060E-01	4.20610E-01	2.15800E-01	9.81480E-01
2.17850E+03	5.03660E-01	4.20580E-01	2.11830E-01	9.63410E-01
2.17810E+03	4.90070E-01	4.20560E-01	2.06100E-01	9.37390E-01
2.17770E+03	4.72310E-01	4.20540E-01	1.98620E-01	9.03360E-01
2.17730E+03	4.49320E-01	4.20520E-01	1.88950E-01	8.59350E-01
2.17690E+03	4.22150E-01	4.20490E-01	1.77510E-01	8.07340E-01
2.17670E+03	4.04390E-01	4.20490E-01	1.70040E-01	7.73360E-01
2.17620E+03	3.72000E-01	4.20470E-01	1.56410E-01	7.11380E-01
2.17590E+03	3.37510E-01	4.20440E-01	1.41900E-01	6.45390E-01
2.17530E+03	2.84220E-01	4.20440E-01	1.19500E-01	5.43490E-01
2.17480E+03	2.39290E-01	4.20450E-01	1.00610E-01	4.57590E-01
2.17410E+03	1.94360E-01	4.20470E-01	8.17220E-02	3.71680E-01
2.17350E+03	1.50470E-01	4.20490E-01	6.32710E-02	2.87760E-01
2.17310E+03	1.20170E-01	4.20500E-01	5.05300E-02	2.29820E-01
2.17260E+03	9.71790E-02	4.20530E-01	4.08660E-02	1.85860E-01
2.17220E+03	8.15050E-02	4.20610E-01	3.42820E-02	1.55920E-01
2.17170E+03	6.79210E-02	4.20730E-01	2.85760E-02	1.29970E-01
2.17130E+03	5.64260E-02	4.20810E-01	2.37450E-02	1.07990E-01
2.17080E+03	4.49320E-02	4.20900E-01	1.89120E-02	8.60140E-02
2.17030E+03	3.55280E-02	4.20900E-01	1.49540E-02	6.80110E-02
2.16980E+03	3.03030E-02	4.20960E-01	1.27560E-02	5.80170E-02
2.16940E+03	2.50780E-02	4.21060E-01	1.05600E-02	4.80260E-02
2.16870E+03	1.88090E-02	4.21060E-01	7.91960E-03	3.60190E-02
2.16830E+03	1.56740E-02	4.21050E-01	6.59960E-03	3.00150E-02

2.16780E+03	1.46290E-02	4.21040E-01	6.15940E-03	2.80140E-02
2.16710E+03	1.35840E-02	4.20990E-01	5.71880E-03	2.60090E-02
2.16660E+03	1.14940E-02	4.20870E-01	4.83760E-03	2.20020E-02
2.16200E+03	0.00000E+00	4.19740E-01	0.00000E+00	0.00000E+00
Channel 14				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.23370E+03	0.00000E+00	4.69250E-01	0.00000E+00	0.00000E+00
2.22770E+03	1.04710E-02	4.60410E-01	4.82100E-03	1.76990E-02
2.22710E+03	1.04710E-02	4.59460E-01	4.81110E-03	1.76620E-02
2.22640E+03	1.15180E-02	4.58140E-01	5.27690E-03	1.93730E-02
2.22580E+03	1.46600E-02	4.57030E-01	6.69990E-03	2.45960E-02
2.22520E+03	1.98950E-02	4.55940E-01	9.07110E-03	3.33020E-02
2.22450E+03	2.61780E-02	4.54470E-01	1.18970E-02	4.36760E-02
2.22390E+03	3.66490E-02	4.53380E-01	1.66160E-02	6.10010E-02
2.22310E+03	4.60730E-02	4.51780E-01	2.08150E-02	7.64150E-02
2.22240E+03	5.75920E-02	4.50650E-01	2.59540E-02	9.52800E-02
2.22180E+03	7.53930E-02	4.49740E-01	3.39070E-02	1.24480E-01
2.22100E+03	1.01570E-01	4.48670E-01	4.55720E-02	1.67300E-01
2.22030E+03	1.31940E-01	4.47590E-01	5.90540E-02	2.16800E-01
2.21940E+03	1.79060E-01	4.46460E-01	7.99420E-02	2.93480E-01
2.21860E+03	2.24080E-01	4.45340E-01	9.97940E-02	3.66360E-01
2.21770E+03	2.79580E-01	4.44220E-01	1.24190E-01	4.55940E-01
2.21690E+03	3.35080E-01	4.43330E-01	1.48550E-01	5.45360E-01
2.21580E+03	3.97910E-01	4.42460E-01	1.76060E-01	6.46330E-01
2.21510E+03	4.35600E-01	4.41760E-01	1.92430E-01	7.06450E-01
2.21460E+03	4.67020E-01	4.41310E-01	2.06100E-01	7.56630E-01
2.21390E+03	5.02620E-01	4.40640E-01	2.21470E-01	8.13070E-01
2.21310E+03	5.30890E-01	4.39970E-01	2.33580E-01	8.57500E-01
2.21250E+03	5.51830E-01	4.39470E-01	2.42510E-01	8.90310E-01
2.21210E+03	5.66490E-01	4.39080E-01	2.48730E-01	9.13150E-01
2.21180E+03	5.74870E-01	4.38810E-01	2.52260E-01	9.26090E-01
2.21150E+03	5.78010E-01	4.38540E-01	2.53480E-01	9.30580E-01
2.21080E+03	5.86390E-01	4.37950E-01	2.56810E-01	9.42790E-01
2.20980E+03	5.97910E-01	4.36770E-01	2.61150E-01	9.58720E-01
2.20900E+03	6.07330E-01	4.35830E-01	2.64690E-01	9.71730E-01
2.20840E+03	6.15710E-01	4.35090E-01	2.67890E-01	9.83470E-01
2.20790E+03	6.19890E-01	4.34560E-01	2.69380E-01	9.88950E-01
2.20720E+03	6.24080E-01	4.33880E-01	2.70780E-01	9.94070E-01
2.20660E+03	6.28270E-01	4.33320E-01	2.72240E-01	9.99460E-01
2.20610E+03	6.29320E-01	4.32840E-01	2.72390E-01	1.00000E+00

2.20570E+03	6.28270E-01	4.32480E-01	2.71710E-01	9.97510E-01
2.20530E+03	6.26180E-01	4.32120E-01	2.70590E-01	9.93370E-01
2.20490E+03	6.20940E-01	4.31800E-01	2.68120E-01	9.84330E-01
2.20440E+03	6.15710E-01	4.31430E-01	2.65630E-01	9.75180E-01
2.20390E+03	6.05240E-01	4.31050E-01	2.60880E-01	9.57750E-01
2.20310E+03	5.95810E-01	4.30480E-01	2.56490E-01	9.41610E-01
2.20260E+03	5.86390E-01	4.30110E-01	2.52210E-01	9.25910E-01
2.20200E+03	5.71730E-01	4.29610E-01	2.45620E-01	9.01700E-01
2.20120E+03	5.49740E-01	4.28870E-01	2.35770E-01	8.65540E-01
2.20070E+03	5.31940E-01	4.28420E-01	2.27890E-01	8.36640E-01
2.19990E+03	5.02620E-01	4.27830E-01	2.15040E-01	7.89430E-01
2.19920E+03	4.71200E-01	4.27490E-01	2.01440E-01	7.39500E-01
2.19850E+03	4.35600E-01	4.27210E-01	1.86090E-01	6.83180E-01
2.19790E+03	4.10470E-01	4.26880E-01	1.75220E-01	6.43260E-01
2.19730E+03	3.80100E-01	4.26510E-01	1.62120E-01	5.95170E-01
2.19680E+03	3.56020E-01	4.26210E-01	1.51740E-01	5.57070E-01
2.19620E+03	3.30890E-01	4.25890E-01	1.40920E-01	5.17350E-01
2.19580E+03	3.04710E-01	4.25760E-01	1.29730E-01	4.76270E-01
2.19530E+03	2.82720E-01	4.25700E-01	1.20360E-01	4.41840E-01
2.19480E+03	2.56540E-01	4.25650E-01	1.09200E-01	4.00890E-01
2.19410E+03	2.24080E-01	4.25530E-01	9.53540E-02	3.50060E-01
2.19350E+03	1.91620E-01	4.25230E-01	8.14830E-02	2.99140E-01
2.19300E+03	1.71730E-01	4.24930E-01	7.29720E-02	2.67890E-01
2.19260E+03	1.52880E-01	4.24670E-01	6.49230E-02	2.38340E-01
2.19210E+03	1.34030E-01	4.24380E-01	5.68800E-02	2.08810E-01
2.19160E+03	1.19370E-01	4.24100E-01	5.06260E-02	1.85860E-01
2.19120E+03	1.05760E-01	4.23990E-01	4.48410E-02	1.64620E-01
2.19090E+03	9.52880E-02	4.23890E-01	4.03910E-02	1.48280E-01
2.19060E+03	8.58640E-02	4.23790E-01	3.63880E-02	1.33590E-01
2.19010E+03	7.64400E-02	4.23600E-01	3.23800E-02	1.18870E-01
2.18970E+03	6.70160E-02	4.23550E-01	2.83850E-02	1.04210E-01
2.18940E+03	5.75920E-02	4.23510E-01	2.43900E-02	8.95410E-02
2.18900E+03	5.02620E-02	4.23460E-01	2.12840E-02	7.81360E-02
2.18860E+03	4.39790E-02	4.23410E-01	1.86210E-02	6.83610E-02
2.18820E+03	3.76960E-02	4.23350E-01	1.59590E-02	5.85870E-02
2.18750E+03	3.14140E-02	4.23230E-01	1.32950E-02	4.88090E-02
2.18690E+03	2.61780E-02	4.23070E-01	1.10750E-02	4.06590E-02
2.18650E+03	1.98950E-02	4.22960E-01	8.41490E-03	3.08930E-02
2.18600E+03	1.67540E-02	4.22750E-01	7.08260E-03	2.60020E-02
2.18550E+03	1.46600E-02	4.22460E-01	6.19310E-03	2.27360E-02
2.18420E+03	1.36130E-02	4.21850E-01	5.74250E-03	2.10820E-02
2.18390E+03	1.25650E-02	4.21760E-01	5.29960E-03	1.94560E-02
2.18380E+03	9.42410E-03	4.21710E-01	3.97430E-03	1.45900E-02

2.18000E+03	0.00000E+00	4.20870E-01	0.00000E+00	0.00000E+00
Channel 15				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.25900E+03	0.00000E+00	4.88840E-01	0.00000E+00	0.00000E+00
2.25490E+03	1.06250E-02	4.88320E-01	5.18830E-03	1.69800E-02
2.25420E+03	1.06470E-02	4.88150E-01	5.19720E-03	1.70090E-02
2.25360E+03	1.48550E-02	4.88110E-01	7.25070E-03	2.37300E-02
2.25270E+03	2.22110E-02	4.87960E-01	1.08380E-02	3.54710E-02
2.25200E+03	2.74660E-02	4.87850E-01	1.33990E-02	4.38540E-02
2.25090E+03	4.42530E-02	4.87670E-01	2.15810E-02	7.06300E-02
2.25000E+03	5.58000E-02	4.87780E-01	2.72180E-02	8.90790E-02
2.24900E+03	7.57230E-02	4.87780E-01	3.69360E-02	1.20880E-01
2.24840E+03	9.66830E-02	4.87660E-01	4.71490E-02	1.54310E-01
2.24760E+03	1.30210E-01	4.87460E-01	6.34740E-02	2.07740E-01
2.24710E+03	1.58500E-01	4.87300E-01	7.72400E-02	2.52790E-01
2.24620E+03	1.98320E-01	4.86520E-01	9.64870E-02	3.15780E-01
2.24570E+03	2.21370E-01	4.85960E-01	1.07580E-01	3.52080E-01
2.24490E+03	2.68520E-01	4.85260E-01	1.30300E-01	4.26440E-01
2.24420E+03	3.14610E-01	4.84610E-01	1.52460E-01	4.98980E-01
2.24310E+03	3.70140E-01	4.83230E-01	1.78860E-01	5.85390E-01
2.24230E+03	4.14150E-01	4.81830E-01	1.99550E-01	6.53080E-01
2.24150E+03	4.50820E-01	4.80720E-01	2.16720E-01	7.09270E-01
2.24090E+03	4.80150E-01	4.79880E-01	2.30420E-01	7.54100E-01
2.24020E+03	5.06350E-01	4.79010E-01	2.42550E-01	7.93810E-01
2.23940E+03	5.37790E-01	4.78030E-01	2.57080E-01	8.41370E-01
2.23880E+03	5.60850E-01	4.77180E-01	2.67620E-01	8.75870E-01
2.23820E+03	5.77620E-01	4.76420E-01	2.75190E-01	9.00640E-01
2.23770E+03	5.87060E-01	4.75760E-01	2.79300E-01	9.14080E-01
2.23710E+03	5.97550E-01	4.74710E-01	2.83660E-01	9.28360E-01
2.23660E+03	6.06990E-01	4.73890E-01	2.87640E-01	9.41400E-01
2.23580E+03	6.22720E-01	4.72600E-01	2.94300E-01	9.63170E-01
2.23500E+03	6.31120E-01	4.71410E-01	2.97510E-01	9.73700E-01
2.23420E+03	6.41610E-01	4.70120E-01	3.01630E-01	9.87180E-01
2.23380E+03	6.48950E-01	4.69410E-01	3.04630E-01	9.96980E-01
2.23330E+03	6.52110E-01	4.68550E-01	3.05550E-01	1.00000E+00
2.23290E+03	6.50030E-01	4.67930E-01	3.04170E-01	9.95480E-01
2.23230E+03	6.46900E-01	4.66870E-01	3.02020E-01	9.88450E-01
2.23190E+03	6.42730E-01	4.66220E-01	2.99650E-01	9.80710E-01
2.23140E+03	6.34370E-01	4.65510E-01	2.95310E-01	9.66470E-01
2.23090E+03	6.20770E-01	4.64790E-01	2.88530E-01	9.44280E-01

2.23020E+03	6.02990E-01	4.63870E-01	2.79710E-01	9.15420E-01
2.22940E+03	5.77880E-01	4.62680E-01	2.67380E-01	8.75070E-01
2.22860E+03	5.52770E-01	4.61620E-01	2.55170E-01	8.35120E-01
2.22780E+03	5.18240E-01	4.60530E-01	2.38660E-01	7.81100E-01
2.22690E+03	4.81620E-01	4.59300E-01	2.21210E-01	7.23970E-01
2.22610E+03	4.36620E-01	4.57530E-01	1.99770E-01	6.53800E-01
2.22490E+03	3.86390E-01	4.55380E-01	1.75950E-01	5.75860E-01
2.22340E+03	3.25700E-01	4.52350E-01	1.47330E-01	4.82190E-01
2.22190E+03	2.76530E-01	4.49940E-01	1.24420E-01	4.07210E-01
2.22050E+03	2.23170E-01	4.47930E-01	9.99670E-02	3.27170E-01
2.21900E+03	1.69810E-01	4.45850E-01	7.57120E-02	2.47790E-01
2.21750E+03	1.21690E-01	4.43860E-01	5.40140E-02	1.76780E-01
2.21660E+03	9.86820E-02	4.43100E-01	4.37260E-02	1.43110E-01
2.21560E+03	7.67230E-02	4.42200E-01	3.39270E-02	1.11040E-01
2.21460E+03	5.79040E-02	4.41300E-01	2.55530E-02	8.36290E-02
2.21390E+03	4.53580E-02	4.40710E-01	1.99900E-02	6.54220E-02
2.21330E+03	3.80460E-02	4.40190E-01	1.67470E-02	5.48100E-02
2.21270E+03	3.07340E-02	4.39660E-01	1.35120E-02	4.42240E-02
2.21220E+03	2.34210E-02	4.39140E-01	1.02850E-02	3.36610E-02
2.21170E+03	2.02930E-02	4.38760E-01	8.90390E-03	2.91400E-02
2.21080E+03	1.92750E-02	4.37870E-01	8.43980E-03	2.76220E-02
2.21030E+03	1.61460E-02	4.37360E-01	7.06170E-03	2.31120E-02
2.20990E+03	1.30180E-02	4.36840E-01	5.68690E-03	1.86120E-02
2.20940E+03	1.09370E-02	4.36330E-01	4.77220E-03	1.56180E-02
2.20900E+03	0.00000E+00	4.35800E-01	0.00000E+00	0.00000E+00

Channel 16

Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.26800E+03	0.00000E+00	4.86730E-01	0.00000E+00	0.00000E+00
2.26270E+03	1.75630E-02	4.87780E-01	8.56710E-03	2.94340E-02
2.26220E+03	1.85940E-02	4.87870E-01	9.07160E-03	3.11670E-02
2.26160E+03	2.17150E-02	4.88050E-01	1.05980E-02	3.64120E-02
2.26110E+03	2.58830E-02	4.88240E-01	1.26370E-02	4.34180E-02
2.26030E+03	3.31840E-02	4.88490E-01	1.62100E-02	5.56930E-02
2.25960E+03	4.15300E-02	4.88730E-01	2.02970E-02	6.97350E-02
2.25900E+03	5.30190E-02	4.88840E-01	2.59180E-02	8.90460E-02
2.25860E+03	6.45120E-02	4.88780E-01	3.15320E-02	1.08330E-01
2.25820E+03	7.70530E-02	4.88750E-01	3.76600E-02	1.29390E-01
2.25770E+03	8.95900E-02	4.88730E-01	4.37850E-02	1.50430E-01
2.25730E+03	1.12590E-01	4.88720E-01	5.50260E-02	1.89050E-01
2.25690E+03	1.31410E-01	4.88690E-01	6.42180E-02	2.20640E-01

2.25660E+03	1.57550E-01	4.88640E-01	7.69850E-02	2.64500E-01
2.25620E+03	1.84730E-01	4.88600E-01	9.02610E-02	3.10110E-01
2.25580E+03	2.34930E-01	4.88560E-01	1.14780E-01	3.94340E-01
2.25510E+03	3.04990E-01	4.88360E-01	1.48950E-01	5.11740E-01
2.25460E+03	3.56230E-01	4.88220E-01	1.73920E-01	5.97550E-01
2.25400E+03	4.14790E-01	4.88170E-01	2.02490E-01	6.95700E-01
2.25360E+03	4.66040E-01	4.88120E-01	2.27480E-01	7.81560E-01
2.25310E+03	5.13090E-01	4.88030E-01	2.50410E-01	8.60320E-01
2.25280E+03	5.40280E-01	4.87980E-01	2.63650E-01	9.05820E-01
2.25240E+03	5.62240E-01	4.87920E-01	2.74330E-01	9.42510E-01
2.25200E+03	5.82100E-01	4.87850E-01	2.83980E-01	9.75660E-01
2.25150E+03	5.96730E-01	4.87760E-01	2.91060E-01	1.00000E+00
2.25050E+03	5.96700E-01	4.87680E-01	2.90990E-01	9.99780E-01
2.24990E+03	5.75760E-01	4.87800E-01	2.80860E-01	9.64940E-01
2.24930E+03	5.55870E-01	4.87830E-01	2.71170E-01	9.31650E-01
2.24880E+03	5.37020E-01	4.87740E-01	2.61930E-01	8.99920E-01
2.24850E+03	5.23420E-01	4.87690E-01	2.55260E-01	8.77020E-01
2.24800E+03	5.06670E-01	4.87560E-01	2.47030E-01	8.48720E-01
2.24770E+03	4.95150E-01	4.87470E-01	2.41370E-01	8.29270E-01
2.24720E+03	4.85720E-01	4.87360E-01	2.36720E-01	8.13300E-01
2.24680E+03	4.76290E-01	4.87050E-01	2.31980E-01	7.97010E-01
2.24640E+03	4.70010E-01	4.86700E-01	2.28750E-01	7.85930E-01
2.24590E+03	4.65810E-01	4.86200E-01	2.26480E-01	7.78110E-01
2.24540E+03	4.62650E-01	4.85700E-01	2.24710E-01	7.72040E-01
2.24480E+03	4.64730E-01	4.85150E-01	2.25460E-01	7.74630E-01
2.24440E+03	4.66810E-01	4.84820E-01	2.26320E-01	7.77560E-01
2.24400E+03	4.70980E-01	4.84420E-01	2.28150E-01	7.83870E-01
2.24320E+03	4.81420E-01	4.83350E-01	2.32690E-01	7.99460E-01
2.24250E+03	4.93950E-01	4.82170E-01	2.38170E-01	8.18270E-01
2.24160E+03	5.08570E-01	4.80790E-01	2.44510E-01	8.40080E-01
2.24080E+03	5.21090E-01	4.79670E-01	2.49950E-01	8.58770E-01
2.24010E+03	5.31530E-01	4.78790E-01	2.54490E-01	8.74370E-01
2.23930E+03	5.39880E-01	4.77880E-01	2.57990E-01	8.86400E-01
2.23860E+03	5.43000E-01	4.77020E-01	2.59020E-01	8.89920E-01
2.23810E+03	5.45070E-01	4.76260E-01	2.59600E-01	8.91900E-01
2.23760E+03	5.44010E-01	4.75450E-01	2.58650E-01	8.88650E-01
2.23710E+03	5.37720E-01	4.74760E-01	2.55290E-01	8.77090E-01
2.23630E+03	5.28280E-01	4.73450E-01	2.50120E-01	8.59330E-01
2.23590E+03	5.16760E-01	4.72760E-01	2.44310E-01	8.39360E-01
2.23540E+03	5.05240E-01	4.71940E-01	2.38440E-01	8.19220E-01
2.23480E+03	4.88490E-01	4.70990E-01	2.30070E-01	7.90460E-01
2.23410E+03	4.66500E-01	4.69940E-01	2.19230E-01	7.53200E-01
2.23370E+03	4.47660E-01	4.69230E-01	2.10060E-01	7.21690E-01

2.23320E+03	4.26730E-01	4.68490E-01	1.99920E-01	6.86850E-01
2.23250E+03	3.95320E-01	4.67250E-01	1.84720E-01	6.34630E-01
2.23210E+03	3.68110E-01	4.66500E-01	1.71730E-01	5.90000E-01
2.23140E+03	3.32530E-01	4.65600E-01	1.54820E-01	5.31930E-01
2.23040E+03	2.74970E-01	4.64080E-01	1.27610E-01	4.38420E-01
2.22930E+03	2.13220E-01	4.62520E-01	9.86160E-02	3.38820E-01
2.22820E+03	1.66120E-01	4.61070E-01	7.65920E-02	2.63150E-01
2.22780E+03	1.46230E-01	4.60490E-01	6.73360E-02	2.31350E-01
2.22730E+03	1.26340E-01	4.59800E-01	5.80900E-02	1.99580E-01
2.22670E+03	1.05400E-01	4.58850E-01	4.83630E-02	1.66160E-01
2.22580E+03	8.23600E-02	4.56970E-01	3.76360E-02	1.29310E-01
2.22510E+03	6.76960E-02	4.55710E-01	3.08500E-02	1.05990E-01
2.22450E+03	5.61720E-02	4.54570E-01	2.55340E-02	8.77270E-02
2.22380E+03	4.67360E-02	4.53150E-01	2.11790E-02	7.27640E-02
2.22320E+03	3.83500E-02	4.52010E-01	1.73350E-02	5.95580E-02
2.22230E+03	3.10020E-02	4.50550E-01	1.39680E-02	4.79900E-02
2.22190E+03	2.68050E-02	4.49910E-01	1.20600E-02	4.14340E-02
2.22120E+03	2.15530E-02	4.48870E-01	9.67440E-03	3.32390E-02
2.21990E+03	1.41930E-02	4.47100E-01	6.34590E-03	2.18030E-02
2.21900E+03	1.10290E-02	4.45880E-01	4.91770E-03	1.68960E-02
2.21830E+03	8.91520E-03	4.44920E-01	3.96660E-03	1.36280E-02
2.21500E+03	0.00000E+00	4.41660E-01	0.00000E+00	0.00000E+00
Channel 17				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.44800E+03	0.00000E+00	4.88670E-01	0.00000E+00	0.00000E+00
2.44490E+03	1.70510E-02	4.89090E-01	8.33970E-03	2.43620E-02
2.44380E+03	3.17180E-02	4.89100E-01	1.55130E-02	4.53170E-02
2.44290E+03	4.84740E-02	4.89130E-01	2.37100E-02	6.92620E-02
2.44180E+03	6.41860E-02	4.89180E-01	3.13980E-02	9.17220E-02
2.44090E+03	7.98960E-02	4.89360E-01	3.90980E-02	1.14210E-01
2.44020E+03	9.14170E-02	4.89520E-01	4.47500E-02	1.30730E-01
2.43930E+03	1.09220E-01	4.89690E-01	5.34830E-02	1.56240E-01
2.43860E+03	1.24920E-01	4.89680E-01	6.11720E-02	1.78700E-01
2.43780E+03	1.50040E-01	4.89620E-01	7.34650E-02	2.14610E-01
2.43690E+03	1.79350E-01	4.89440E-01	8.77810E-02	2.56430E-01
2.43600E+03	2.10750E-01	4.89250E-01	1.03110E-01	3.01210E-01
2.43510E+03	2.48430E-01	4.89050E-01	1.21490E-01	3.54910E-01
2.43410E+03	2.80870E-01	4.89060E-01	1.37370E-01	4.01280E-01
2.43270E+03	3.35300E-01	4.89080E-01	1.63990E-01	4.79050E-01
2.43160E+03	3.74020E-01	4.89010E-01	1.82900E-01	5.34300E-01

2.43070E+03	3.98100E-01	4.88520E-01	1.94480E-01	5.68120E-01
2.43020E+03	4.13800E-01	4.88210E-01	2.02020E-01	5.90160E-01
2.42950E+03	4.30550E-01	4.87780E-01	2.10020E-01	6.13510E-01
2.42870E+03	4.43120E-01	4.87350E-01	2.15950E-01	6.30850E-01
2.42790E+03	4.50460E-01	4.87070E-01	2.19410E-01	6.40940E-01
2.42710E+03	4.53620E-01	4.87500E-01	2.21140E-01	6.46000E-01
2.42630E+03	4.55720E-01	4.87870E-01	2.22330E-01	6.49490E-01
2.42540E+03	4.52600E-01	4.88340E-01	2.21020E-01	6.45660E-01
2.42440E+03	4.49490E-01	4.88400E-01	2.19530E-01	6.41300E-01
2.42350E+03	4.44280E-01	4.88850E-01	2.17190E-01	6.34450E-01
2.42250E+03	4.34880E-01	4.89070E-01	2.12690E-01	6.21310E-01
2.42160E+03	4.28630E-01	4.89130E-01	2.09650E-01	6.12440E-01
2.42060E+03	4.19230E-01	4.88700E-01	2.04880E-01	5.98500E-01
2.41950E+03	4.11930E-01	4.88210E-01	2.01110E-01	5.87490E-01
2.41880E+03	4.08810E-01	4.87810E-01	1.99420E-01	5.82560E-01
2.41760E+03	4.05700E-01	4.87140E-01	1.97630E-01	5.77320E-01
2.41680E+03	4.08850E-01	4.86740E-01	1.99000E-01	5.81340E-01
2.41630E+03	4.10960E-01	4.86450E-01	1.99910E-01	5.83980E-01
2.41560E+03	4.19340E-01	4.85960E-01	2.03780E-01	5.95300E-01
2.41510E+03	4.26670E-01	4.85640E-01	2.07210E-01	6.05310E-01
2.41430E+03	4.41330E-01	4.85150E-01	2.14110E-01	6.25470E-01
2.41380E+03	4.55990E-01	4.84810E-01	2.21070E-01	6.45790E-01
2.41320E+03	4.75870E-01	4.84400E-01	2.30510E-01	6.73390E-01
2.41280E+03	4.92620E-01	4.84130E-01	2.38490E-01	6.96690E-01
2.41240E+03	5.06230E-01	4.83860E-01	2.44940E-01	7.15530E-01
2.41170E+03	5.33440E-01	4.83450E-01	2.57890E-01	7.53350E-01
2.41120E+03	5.72150E-01	4.83110E-01	2.76410E-01	8.07470E-01
2.41050E+03	6.21330E-01	4.82640E-01	2.99880E-01	8.76010E-01
2.40980E+03	6.60050E-01	4.82120E-01	3.18220E-01	9.29600E-01
2.40960E+03	6.76790E-01	4.81990E-01	3.26200E-01	9.52910E-01
2.40930E+03	6.89340E-01	4.81820E-01	3.32140E-01	9.70260E-01
2.40910E+03	6.95630E-01	4.81710E-01	3.35090E-01	9.78880E-01
2.40860E+03	7.04000E-01	4.81490E-01	3.38970E-01	9.90220E-01
2.40810E+03	7.11340E-01	4.81240E-01	3.42320E-01	1.00000E+00
2.40750E+03	6.94610E-01	4.80930E-01	3.34060E-01	9.75860E-01
2.40720E+03	6.82070E-01	4.80770E-01	3.27920E-01	9.57920E-01
2.40690E+03	6.66380E-01	4.80660E-01	3.20310E-01	9.35690E-01
2.40660E+03	6.45470E-01	4.80510E-01	3.10150E-01	9.06030E-01
2.40630E+03	6.26650E-01	4.80380E-01	3.01030E-01	8.79380E-01
2.40610E+03	6.02590E-01	4.80360E-01	2.89460E-01	8.45590E-01
2.40570E+03	5.62850E-01	4.80320E-01	2.70350E-01	7.89750E-01
2.40560E+03	5.36700E-01	4.80310E-01	2.57780E-01	7.53050E-01
2.40520E+03	5.10560E-01	4.80280E-01	2.45210E-01	7.16320E-01

2.40470E+03	4.57220E-01	4.80220E-01	2.19570E-01	6.41410E-01
2.40430E+03	3.88190E-01	4.80150E-01	1.86390E-01	5.44500E-01
2.40290E+03	2.61650E-01	4.79930E-01	1.25580E-01	3.66840E-01
2.40230E+03	1.99950E-01	4.79830E-01	9.59430E-02	2.80270E-01
2.40160E+03	1.65450E-01	4.79730E-01	7.93700E-02	2.31860E-01
2.40120E+03	1.36170E-01	4.79660E-01	6.53130E-02	1.90800E-01
2.40070E+03	1.12120E-01	4.79570E-01	5.37680E-02	1.57070E-01
2.40010E+03	9.33010E-02	4.79440E-01	4.47320E-02	1.30670E-01
2.39960E+03	7.76220E-02	4.79320E-01	3.72060E-02	1.08690E-01
2.39930E+03	6.71680E-02	4.79240E-01	3.21900E-02	9.40340E-02
2.39890E+03	6.29930E-02	4.79140E-01	3.01830E-02	8.81710E-02
2.39830E+03	5.98680E-02	4.78990E-01	2.86760E-02	8.37710E-02
2.39750E+03	5.77910E-02	4.78830E-01	2.76720E-02	8.08370E-02
2.39680E+03	5.57150E-02	4.79110E-01	2.66940E-02	7.79790E-02
2.39610E+03	5.36380E-02	4.79400E-01	2.57140E-02	7.51170E-02
2.39550E+03	4.94650E-02	4.79600E-01	2.37230E-02	6.93020E-02
2.39480E+03	4.42500E-02	4.79880E-01	2.12350E-02	6.20320E-02
2.39360E+03	3.90460E-02	4.80580E-01	1.87650E-02	5.48160E-02
2.39250E+03	3.38380E-02	4.81390E-01	1.62890E-02	4.75850E-02
2.39070E+03	2.75990E-02	4.83410E-01	1.33420E-02	3.89740E-02
2.38940E+03	2.03050E-02	4.85410E-01	9.85650E-03	2.87930E-02
2.38800E+03	1.40580E-02	4.86700E-01	6.84190E-03	1.99870E-02
2.38710E+03	8.84740E-03	4.87630E-01	4.31420E-03	1.26030E-02
2.38200E+03	0.00000E+00	4.95360E-01	0.00000E+00	0.00000E+00
Channel 18				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.56200E+03	0.00000E+00	4.78340E-01	0.00000E+00	0.00000E+00
2.55530E+03	1.36490E-02	4.77840E-01	6.52190E-03	1.80750E-02
2.55490E+03	1.99290E-02	4.77790E-01	9.52190E-03	2.63890E-02
2.55400E+03	2.41220E-02	4.77680E-01	1.15230E-02	3.19340E-02
2.55300E+03	2.72710E-02	4.77620E-01	1.30250E-02	3.60980E-02
2.55170E+03	3.35600E-02	4.77520E-01	1.60260E-02	4.44130E-02
2.55070E+03	3.98470E-02	4.77300E-01	1.90190E-02	5.27100E-02
2.54990E+03	4.50850E-02	4.77150E-01	2.15130E-02	5.96200E-02
2.54860E+03	5.55600E-02	4.76880E-01	2.64950E-02	7.34280E-02
2.54740E+03	6.70780E-02	4.76670E-01	3.19740E-02	8.86130E-02
2.54630E+03	8.27800E-02	4.76670E-01	3.94590E-02	1.09360E-01
2.54540E+03	9.42950E-02	4.76630E-01	4.49440E-02	1.24560E-01
2.54480E+03	1.04760E-01	4.76600E-01	4.99300E-02	1.38380E-01
2.54410E+03	1.17320E-01	4.76590E-01	5.59140E-02	1.54960E-01

2.54320E+03	1.40340E-01	4.76610E-01	6.68890E-02	1.85380E-01
2.54200E+03	1.68600E-01	4.76610E-01	8.03560E-02	2.22700E-01
2.54090E+03	2.01040E-01	4.76660E-01	9.58280E-02	2.65580E-01
2.53990E+03	2.30340E-01	4.76700E-01	1.09800E-01	3.04300E-01
2.53900E+03	2.60680E-01	4.76700E-01	1.24270E-01	3.44390E-01
2.53810E+03	2.92070E-01	4.76700E-01	1.39230E-01	3.85860E-01
2.53700E+03	3.33920E-01	4.76800E-01	1.59210E-01	4.41240E-01
2.53620E+03	3.65310E-01	4.76910E-01	1.74220E-01	4.82840E-01
2.53490E+03	4.10310E-01	4.77080E-01	1.95750E-01	5.42500E-01
2.53370E+03	4.57390E-01	4.77180E-01	2.18260E-01	6.04880E-01
2.53270E+03	4.90870E-01	4.77230E-01	2.34260E-01	6.49220E-01
2.53170E+03	5.26450E-01	4.77200E-01	2.51220E-01	6.96240E-01
2.53070E+03	5.57840E-01	4.77130E-01	2.66160E-01	7.37640E-01
2.52950E+03	5.91320E-01	4.76990E-01	2.82060E-01	7.81690E-01
2.52860E+03	6.14350E-01	4.76870E-01	2.92960E-01	8.11920E-01
2.52770E+03	6.31090E-01	4.76800E-01	3.00900E-01	8.33920E-01
2.52680E+03	6.45750E-01	4.76780E-01	3.07880E-01	8.53250E-01
2.52570E+03	6.62490E-01	4.76730E-01	3.15830E-01	8.75290E-01
2.52520E+03	6.71910E-01	4.76710E-01	3.20300E-01	8.87690E-01
2.52460E+03	6.78200E-01	4.76680E-01	3.23280E-01	8.95940E-01
2.52410E+03	6.85520E-01	4.76660E-01	3.26760E-01	9.05580E-01
2.52320E+03	6.91810E-01	4.76630E-01	3.29730E-01	9.13820E-01
2.52240E+03	6.97050E-01	4.76600E-01	3.32210E-01	9.20680E-01
2.52150E+03	7.02290E-01	4.76560E-01	3.34680E-01	9.27540E-01
2.52020E+03	7.05440E-01	4.76550E-01	3.36180E-01	9.31670E-01
2.51850E+03	7.08590E-01	4.76970E-01	3.37980E-01	9.36670E-01
2.51690E+03	7.09660E-01	4.77530E-01	3.38880E-01	9.39180E-01
2.51550E+03	7.11760E-01	4.77840E-01	3.40110E-01	9.42580E-01
2.51420E+03	7.13870E-01	4.78090E-01	3.41290E-01	9.45850E-01
2.51310E+03	7.20160E-01	4.78050E-01	3.44270E-01	9.54120E-01
2.51200E+03	7.26440E-01	4.77990E-01	3.47230E-01	9.62310E-01
2.51060E+03	7.36920E-01	4.77510E-01	3.51890E-01	9.75220E-01
2.50990E+03	7.43200E-01	4.77180E-01	3.54640E-01	9.82850E-01
2.50890E+03	7.51580E-01	4.76700E-01	3.58280E-01	9.92930E-01
2.50810E+03	7.55770E-01	4.76360E-01	3.60020E-01	9.97750E-01
2.50750E+03	7.57870E-01	4.76110E-01	3.60830E-01	1.00000E+00
2.50710E+03	7.56830E-01	4.76240E-01	3.60430E-01	9.98910E-01
2.50650E+03	7.53700E-01	4.76490E-01	3.59130E-01	9.95290E-01
2.50590E+03	7.46380E-01	4.76720E-01	3.55820E-01	9.86110E-01
2.50550E+03	7.38020E-01	4.76900E-01	3.51960E-01	9.75430E-01
2.50500E+03	7.25470E-01	4.77130E-01	3.46150E-01	9.59310E-01
2.50460E+03	7.07690E-01	4.77290E-01	3.37770E-01	9.36100E-01
2.50410E+03	6.88870E-01	4.77430E-01	3.28880E-01	9.11470E-01

2.50360E+03	6.65860E-01	4.77540E-01	3.17970E-01	8.81230E-01
2.50320E+03	6.40760E-01	4.77650E-01	3.06060E-01	8.48210E-01
2.50280E+03	6.20890E-01	4.77760E-01	2.96640E-01	8.22090E-01
2.50240E+03	5.90560E-01	4.77870E-01	2.82210E-01	7.82110E-01
2.50190E+03	5.65460E-01	4.77950E-01	2.70260E-01	7.49000E-01
2.50150E+03	5.27810E-01	4.78010E-01	2.52300E-01	6.99220E-01
2.50090E+03	4.84930E-01	4.78070E-01	2.31830E-01	6.42500E-01
2.50050E+03	4.43090E-01	4.78100E-01	2.11840E-01	5.87100E-01
2.49920E+03	3.59420E-01	4.78230E-01	1.71890E-01	4.76370E-01
2.49850E+03	3.08180E-01	4.78300E-01	1.47400E-01	4.08510E-01
2.49780E+03	2.66340E-01	4.78370E-01	1.27410E-01	3.53100E-01
2.49730E+03	2.34970E-01	4.78460E-01	1.12420E-01	3.11560E-01
2.49680E+03	2.11960E-01	4.78670E-01	1.01460E-01	2.81180E-01
2.49590E+03	1.75360E-01	4.79030E-01	8.40010E-02	2.32800E-01
2.49510E+03	1.43980E-01	4.79380E-01	6.90240E-02	1.91290E-01
2.49380E+03	1.09480E-01	4.79970E-01	5.25470E-02	1.45630E-01
2.49280E+03	8.85700E-02	4.80500E-01	4.25570E-02	1.17940E-01
2.49210E+03	7.49790E-02	4.80780E-01	3.60480E-02	9.99040E-02
2.49110E+03	6.13900E-02	4.81140E-01	2.95370E-02	8.18590E-02
2.49030E+03	5.19850E-02	4.81430E-01	2.50270E-02	6.93590E-02
2.48940E+03	4.36250E-02	4.81710E-01	2.10150E-02	5.82410E-02
2.48850E+03	3.84050E-02	4.81870E-01	1.85060E-02	5.12890E-02
2.48760E+03	3.31840E-02	4.81990E-01	1.59940E-02	4.43270E-02
2.48670E+03	2.79640E-02	4.82030E-01	1.34790E-02	3.73560E-02
2.48580E+03	2.37890E-02	4.82010E-01	1.14670E-02	3.17790E-02
2.48480E+03	2.06610E-02	4.81980E-01	9.95830E-03	2.75980E-02
2.48440E+03	1.96200E-02	4.81970E-01	9.45600E-03	2.62060E-02
2.48370E+03	1.64890E-02	4.81950E-01	7.94690E-03	2.20240E-02
2.47200E+03	0.00000E+00	4.83870E-01	0.00000E+00	0.00000E+00
Channel 19				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Col. 4
2.77400E+03	0.00000E+00	3.93920E-01	0.00000E+00	0.00000E+00
2.74820E+03	1.15180E-02	4.10010E-01	4.72260E-03	1.56840E-02
2.74630E+03	1.57100E-02	4.10930E-01	6.45570E-03	2.14400E-02
2.74420E+03	1.88570E-02	4.11570E-01	7.76100E-03	2.57750E-02
2.74210E+03	2.51420E-02	4.12270E-01	1.03650E-02	3.44230E-02
2.73970E+03	3.14280E-02	4.12960E-01	1.29780E-02	4.31020E-02
2.73790E+03	3.98040E-02	4.13580E-01	1.64620E-02	5.46700E-02
2.73610E+03	5.02710E-02	4.14200E-01	2.08220E-02	6.91510E-02
2.73450E+03	5.96920E-02	4.14590E-01	2.47480E-02	8.21880E-02

2.73340E+03	7.01570E-02	4.14790E-01	2.91000E-02	9.66440E-02
2.73190E+03	8.27160E-02	4.15340E-01	3.43550E-02	1.14100E-01
2.73050E+03	9.84120E-02	4.15810E-01	4.09200E-02	1.35900E-01
2.72920E+03	1.15150E-01	4.16420E-01	4.79520E-02	1.59250E-01
2.72820E+03	1.37120E-01	4.16890E-01	5.71660E-02	1.89850E-01
2.72630E+03	1.66420E-01	4.17600E-01	6.94970E-02	2.30800E-01
2.72500E+03	1.94670E-01	4.18150E-01	8.14000E-02	2.70330E-01
2.72310E+03	2.41750E-01	4.18920E-01	1.01270E-01	3.36330E-01
2.72180E+03	2.80460E-01	4.19470E-01	1.17640E-01	3.90700E-01
2.72080E+03	3.06610E-01	4.19760E-01	1.28700E-01	4.27430E-01
2.72000E+03	3.31720E-01	4.19910E-01	1.39290E-01	4.62600E-01
2.71890E+03	3.65200E-01	4.20010E-01	1.53390E-01	5.09400E-01
2.71790E+03	4.02860E-01	4.20100E-01	1.69240E-01	5.62050E-01
2.71650E+03	4.41560E-01	4.20220E-01	1.85550E-01	6.16230E-01
2.71490E+03	4.90730E-01	4.20380E-01	2.06290E-01	6.85110E-01
2.71440E+03	5.16890E-01	4.20430E-01	2.17320E-01	7.21720E-01
2.71280E+03	5.45140E-01	4.20570E-01	2.29270E-01	7.61400E-01
2.71180E+03	5.73380E-01	4.20750E-01	2.41250E-01	8.01200E-01
2.71100E+03	5.94310E-01	4.20890E-01	2.50140E-01	8.30710E-01
2.70940E+03	6.11050E-01	4.21170E-01	2.57360E-01	8.54690E-01
2.70860E+03	6.22560E-01	4.21340E-01	2.62310E-01	8.71130E-01
2.70730E+03	6.31980E-01	4.21620E-01	2.66460E-01	8.84920E-01
2.70620E+03	6.38260E-01	4.21720E-01	2.69170E-01	8.93910E-01
2.70410E+03	6.36180E-01	4.21880E-01	2.68390E-01	8.91340E-01
2.70230E+03	6.36180E-01	4.22060E-01	2.68510E-01	8.91720E-01
2.70120E+03	6.32000E-01	4.22210E-01	2.66840E-01	8.86180E-01
2.69970E+03	6.27830E-01	4.22550E-01	2.65290E-01	8.81040E-01
2.69780E+03	6.23650E-01	4.23310E-01	2.64000E-01	8.76760E-01
2.69600E+03	6.20520E-01	4.24020E-01	2.63110E-01	8.73800E-01
2.69360E+03	6.19480E-01	4.24650E-01	2.63070E-01	8.73660E-01
2.69130E+03	6.22630E-01	4.25430E-01	2.64890E-01	8.79700E-01
2.68890E+03	6.25780E-01	4.26350E-01	2.66800E-01	8.86070E-01
2.68710E+03	6.28930E-01	4.26840E-01	2.68450E-01	8.91530E-01
2.68520E+03	6.31030E-01	4.27320E-01	2.69650E-01	8.95530E-01
2.68340E+03	6.35220E-01	4.27540E-01	2.71580E-01	9.01930E-01
2.68100E+03	6.39410E-01	4.27510E-01	2.73360E-01	9.07830E-01
2.67600E+03	6.38390E-01	4.29000E-01	2.73870E-01	9.09530E-01
2.67420E+03	6.33160E-01	4.29420E-01	2.71890E-01	9.02970E-01
2.67260E+03	6.28990E-01	4.29930E-01	2.70420E-01	8.98070E-01
2.67080E+03	6.24810E-01	4.30540E-01	2.69000E-01	8.93380E-01
2.66920E+03	6.15400E-01	4.31060E-01	2.65270E-01	8.80980E-01
2.66690E+03	6.06000E-01	4.31820E-01	2.61680E-01	8.69050E-01
2.66480E+03	5.95550E-01	4.32390E-01	2.57510E-01	8.55200E-01

2.66270E+03	5.85100E-01	4.32990E-01	2.53340E-01	8.41350E-01
2.66110E+03	5.75690E-01	4.33640E-01	2.49640E-01	8.29060E-01
2.65920E+03	5.66280E-01	4.34590E-01	2.46100E-01	8.17300E-01
2.65710E+03	5.60010E-01	4.35810E-01	2.44060E-01	8.10530E-01
2.65530E+03	5.53740E-01	4.36390E-01	2.41650E-01	8.02530E-01
2.65400E+03	5.49570E-01	4.36690E-01	2.39990E-01	7.97010E-01
2.65160E+03	5.49580E-01	4.37640E-01	2.40520E-01	7.98760E-01
2.65030E+03	5.48540E-01	4.38400E-01	2.40480E-01	7.98630E-01
2.64820E+03	5.51680E-01	4.39610E-01	2.42530E-01	8.05440E-01
2.64720E+03	5.55870E-01	4.40220E-01	2.44710E-01	8.12690E-01
2.64560E+03	5.61110E-01	4.40910E-01	2.47400E-01	8.21610E-01
2.64430E+03	5.70530E-01	4.41450E-01	2.51860E-01	8.36440E-01
2.64270E+03	5.80990E-01	4.42110E-01	2.56860E-01	8.53040E-01
2.64010E+03	6.00880E-01	4.43200E-01	2.66310E-01	8.84420E-01
2.63800E+03	6.20760E-01	4.43860E-01	2.75530E-01	9.15050E-01
2.63590E+03	6.38550E-01	4.44500E-01	2.83830E-01	9.42630E-01
2.63400E+03	6.52160E-01	4.45530E-01	2.90550E-01	9.64940E-01
2.63300E+03	6.60530E-01	4.46380E-01	2.94850E-01	9.79210E-01
2.63160E+03	6.68910E-01	4.47350E-01	2.99230E-01	9.93760E-01
2.63030E+03	6.71000E-01	4.48270E-01	3.00790E-01	9.98940E-01
2.62960E+03	6.71010E-01	4.48740E-01	3.01110E-01	1.00000E+00
2.62820E+03	6.65780E-01	4.49510E-01	2.99270E-01	9.93900E-01
2.62720E+03	6.56370E-01	4.50120E-01	2.95440E-01	9.81180E-01
2.62640E+03	6.44870E-01	4.50570E-01	2.90560E-01	9.64960E-01
2.62540E+03	6.30230E-01	4.51030E-01	2.84250E-01	9.44020E-01
2.62460E+03	6.10360E-01	4.51360E-01	2.75490E-01	9.14920E-01
2.62410E+03	5.94670E-01	4.51600E-01	2.68550E-01	8.91870E-01
2.62300E+03	5.82120E-01	4.52080E-01	2.63170E-01	8.73980E-01
2.62250E+03	5.59110E-01	4.52240E-01	2.52850E-01	8.39740E-01
2.62090E+03	5.19370E-01	4.52680E-01	2.35110E-01	7.80800E-01
2.61990E+03	4.75440E-01	4.52960E-01	2.15360E-01	7.15210E-01
2.61860E+03	4.41970E-01	4.53330E-01	2.00360E-01	6.65400E-01
2.61730E+03	4.02230E-01	4.53920E-01	1.82580E-01	6.06350E-01
2.61650E+03	3.65620E-01	4.54270E-01	1.66090E-01	5.51600E-01
2.61550E+03	3.34250E-01	4.54780E-01	1.52010E-01	5.04830E-01
2.61410E+03	3.02870E-01	4.55420E-01	1.37930E-01	4.58090E-01
2.61290E+03	2.69400E-01	4.56060E-01	1.22870E-01	4.08040E-01
2.61150E+03	2.38030E-01	4.56750E-01	1.08720E-01	3.61060E-01
2.61050E+03	2.08740E-01	4.57300E-01	9.54580E-02	3.17020E-01
2.60950E+03	1.90970E-01	4.57860E-01	8.74350E-02	2.90380E-01
2.60810E+03	1.69000E-01	4.58530E-01	7.74940E-02	2.57360E-01
2.60740E+03	1.52270E-01	4.58890E-01	6.98760E-02	2.32060E-01
2.60610E+03	1.37630E-01	4.59490E-01	6.32410E-02	2.10030E-01

2.60530E+03	1.22990E-01	4.59910E-01	5.65650E-02	1.87860E-01
2.60450E+03	1.11490E-01	4.60440E-01	5.13340E-02	1.70480E-01
2.60290E+03	9.78970E-02	4.61540E-01	4.51840E-02	1.50060E-01
2.60160E+03	8.74430E-02	4.62380E-01	4.04310E-02	1.34270E-01
2.60060E+03	7.80330E-02	4.62850E-01	3.61180E-02	1.19950E-01
2.59920E+03	6.96700E-02	4.62930E-01	3.22520E-02	1.07110E-01
2.59790E+03	6.02610E-02	4.63060E-01	2.79050E-02	9.26730E-02
2.59640E+03	5.29460E-02	4.63990E-01	2.45660E-02	8.15860E-02
2.59430E+03	4.35400E-02	4.64730E-01	2.02350E-02	6.72000E-02
2.59270E+03	3.72710E-02	4.65480E-01	1.73490E-02	5.76160E-02
2.59090E+03	3.20480E-02	4.66050E-01	1.49360E-02	4.96040E-02
2.58900E+03	2.68260E-02	4.66910E-01	1.25250E-02	4.15970E-02
2.58740E+03	2.36940E-02	4.67560E-01	1.10780E-02	3.67920E-02
2.58530E+03	2.05650E-02	4.68260E-01	9.62970E-03	3.19810E-02
2.58270E+03	1.63920E-02	4.69320E-01	7.69300E-03	2.55490E-02
2.58010E+03	1.32650E-02	4.70480E-01	6.24070E-03	2.07260E-02
2.55500E+03	0.00000E+00	4.77810E-01	0.00000E+00	0.00000E+00

In April 2002, the post-launch calibration for the reflectance (visible) channels of the NOAA-16 AVHRR was reviewed, based on measurements taken over the radiometrically stable targets of the Libyan and Takla Makan Deserts. It was found that there was little loss of sensitivity immediately following the launch of NOAA-16, even though this has been typical behavior for the AVHRR reflectance channels in the past. There was also little degradation in the NOAA-16 AVHRR reflectance channels and the pre-flight coefficients were in reasonable agreement with the ground based truth. Measurements were also made by MODerate-resolution Imaging Spectro-radiometer (MODIS) which is flown on NASA's Earth Observing Satellites (EOS). The MODIS-based coefficients result in reflectances that are somewhat higher than the truth (Heidinger et al. 2002: Using MODIS to calibrate AVHRR reflectance channels, *J. Geophys. Res. - Atmosphere* in press).

Based on these findings, NOAA is recommending (as of Nov. 6, 2002) that the pre-flight calibration coefficients for NOAA-16 AVHRR Channels 1 and 2 be used. However, because there is no desert-based absolute calibration for Channel 3A, NOAA recommends using the MODIS-based calibration for this channel. Table D.2 -7 contains the pre-launch and MODIS-based calibration coefficients for the AVHRR/3 instrument on NOAA-16. The columns labeled "Reflectance" are the reflectances for the Libyan Desert derived with corresponding coefficients, and the shaded areas indicate the NOAA recommended values.

Table D.2-7. NOAA-16 AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).								
		Pre-flight AVHRR			MODIS-based			Truth
Channel		Slope	Intercept	Reflectance	Slope	Intercept	Reflectance	Reflectance
1	Low	0.0523	-2.016	38.3	0.0539	-2.12	39.2	37.8
	High	0.1528	-51.91		0.1656	-58.4		
2	Low	0.0513	-1.943	40.5	0.0603	-2.35	46.0	42.6
	High	0.1510	-51.77		0.1580	-51.3		
3A	Low	0.0287	-2.043	66.7	0.0262	-1.01	64.5	n/a

	High	0.1806	-78.03		0.1920	-84.2		
--	------	--------	--------	--	--------	-------	--	--

In summary, NOAA recommends using the following equations for NOAA-16 AVHRR reflectance channels:

Channel 1:

$$A_1 = \begin{cases} 0.0523 \cdot \text{count} - 2.016, & \text{count} < 497.5 \\ 0.1528 \cdot \text{count} - 51.91, & \text{count} > 497.5 \end{cases}$$

Channel 2:

$$A_2 = \begin{cases} 0.0513 \cdot \text{count} - 1.943, & \text{count} \leq 499 \\ 0.1510 \cdot \text{count} - 51.77, & \text{count} \geq 500 \end{cases}$$

Channel 3A:

$$A_{3A} = \begin{cases} 0.0262 \cdot \text{count} - 1.010, & \text{count} < 498.7 \\ 0.1920 \cdot \text{count} - 84.20, & \text{count} > 498.7 \end{cases}$$

where count represents the 10-bit digital count as recorded by the AVHRR instrument and A is the albedo assuming the Sun is at its zenith and the Sun-Earth distance is one astronomical unit (A is also referred to as the reflectance factor or adjusted reflectance).

Table D.2-8 contains NOAA-16 AVHRR/3 visible channel information such as equivalent width, w, effective central wavelength, λ_e , and in-band solar irradiance, F.

Table D.2-8. NOAA-16 AVHRR/3 Visible Channel Information.			
Channel	Equivalent Width $w(\mu\text{m})$	Effective Wavelength $\lambda_e (\mu\text{m})$	Extraterrestrial Solar Irradiance in Band F (W/m ²)
1	0.081	0.632	133.2
2	0.235	0.843	243.1
3A	0.045	1.605	10.96
Note: These quantities are based on the solar irradiance data of Neckel and Labs (1984), which is a widely used source of such data.			

Table D.2-9 contains NOAA-16 coefficients d0, c1, d2, d3 and d4 that relate temperature, TPRT, (degrees Kelvin) of each PRT to count value, CPRT, by the equation:

Table D.2-9. NOAA-16 AVHRR/3 Conversion Coefficients.					
PRT	d₀	d₁	d₂	d₃	d₄
1	276.355	5.562E-02	-1.590E-05	2.486E-08	-1.199E-11
2	276.142	5.605E-02	-1.707E-05	2.595E-08	-1.224E-11
3	275.996	5.486E-02	-1.223E-05	1.862E-08	-0.853E-11
4	276.132	5.494E-02	-1.344E-05	2.112E-08	-1.001E-11

Table D.2-10 contains the PRT weighting factors for NOAA-16.

Table D.2-10. NOAA-16 PRT Weighting Factors.			
b₁	b₂	b₃	b₄
0.25	0.25	0.25	0.25

Table D.2-11 contains a summary of the spectral response data as a function of wavenumber for all channels of the NOAA-16 AVHRR/3.

Table D.2-11. Summary of NOAA-16 AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15495.00 and had a value of 1.00		
File starting point is at wavenumber = 12505.00		
File ending point is at wavenumber = 19995.00		
Moment Center Wavenumber = 15868.2297		
Percent line at which curve crosses	Wavenumber (cm⁻¹)	Microns
0.10%	14338.9326	0.6974
1.00%	14455.5352	0.6918
5.00%	14571.2490	0.6863
10.00%	14618.6641	0.6841

20.00%		14666.0889		0.6818	
50.00%		14734.6602		0.6787	
80.00%		14790.9541		0.6761	
80.00%		14937.1426		0.6695	
80.00%		15137.5205		0.6606	
80.00%		16449.8594		0.6079	
80.00%		16514.5234		0.6055	
80.00%		16720.1543		0.5981	
50.00%		17046.8848		0.5866	
20.00%		17118.5664		0.5842	
10.00%		17161.1230		0.5827	
5.00%		17204.7734		0.5812	
1.00%		17308.8086		0.5777	
0.10%		17430.3379		0.5737	
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%		14640.6225		17130.3268	
96%		14736.9099		17036.4162	
70%		15067.0453		16675.5908	
50%		15308.1185		16426.1554	
0% (area center)		15844.1477		15844.1477	
Crossing		Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%		15137.5205	16449.8594	1312.3389	15793.6904
50%		14734.6602	17046.8848	2312.2246	15890.7725
20%		14666.0889	17118.5664	2452.4775	15892.3281
5%		14571.2490	17204.7734	2633.5244	15888.0117
Channel 2					

The peak wavenumber was at 12830.00 and had a value of 1.00				
File starting point is at wavenumber = 9365.00				
File ending point is at wavenumber = 18240.00				
Moment Center Wavenumber = 11978.5911				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		Microns	
0.10%	9755.1406		1.0251	
1.00%	9855.8125		1.0146	
5.00%	9940.0352		1.0060	
10.00%	9986.9189		1.0013	
20.00%	10052.9248		0.9947	
50.00%	10175.5215		0.9828	
80.00%	10554.2461		0.9475	
80.00%	13478.5049		0.7419	
50.00%	13655.5918		0.7323	
20.00%	13995.7490		0.7145	
10.00%	14077.5371		0.7104	
5.00%	14111.3711		0.7086	
1.00%	14308.4395		0.6989	
0.10%	14464.7559		0.6913	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	10051.6258		14018.6292	
96%	10188.2717		13826.0739	
70%	10736.5507		13192.2232	
50%	11099.9196		12831.0097	
0% (area center)	11984.5287		11984.5287	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)

80%	10554.2461	13478.5049	2924.2588	12016.3760
50%	10175.5215	13655.5918	3480.0703	11915.5566
20%	10052.9248	13995.7490	3942.8242	12024.3369
5%	9940.0352	14111.3711	4171.3359	12025.7031
Channel 3a				
The peak wavenumber was at 6215.00 and had a value of 1.00				
File starting point is at wavenumber = 5785.00				
File ending point is at wavenumber = 6705.00				
Moment Center Wavenumber = 6228.7638				
Percent line at which curve crosses		Wavenumber (cm⁻¹)		Microns
0.10%		6087.2456		1.6428
1.00%		6101.9136		1.6388
5.00%		6115.6563		1.6351
10.00%		6121.6675		1.6335
20.00%		6128.0845		1.6318
50.00%		6137.9063		1.6292
80.00%		6146.8833		1.6268
80.00%		6307.8721		1.5853
50.00%		6317.9136		1.5828
20.00%		6328.9731		1.5800
10.00%		6335.8745		1.5783
5.00%		6343.1074		1.5765
1.00%		6358.1548		1.5728
0.10%		6374.0718		1.5689
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	6116.3582		6332.4535	

96%	6129.1096	6318.4698
70%	6159.0419	6287.3590
50%	6179.0061	6268.7871
0% (area center)	6224.0787	6224.0787

Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	6146.8833	6307.8721	160.9888	6227.3779
50%	6137.9063	6317.9136	180.0073	6227.9102
20%	6128.0845	6328.9731	200.8887	6228.5288
5%	6115.6563	6343.1074	227.4512	6229.3818

Channel 3b

The peak wavenumber was at 2677.94 and had a value of 1.00

File starting point is at wavenumber = 2222.80

File ending point is at wavenumber = 3355.51

Moment Center Wavenumber = 2698.6134

Percent line at which curve crosses	Wavenumber (cm ⁻¹)	Microns
0.10%	2459.3757	4.0661
1.00%	2476.7510	4.0375
5.00%	2503.1777	3.9949
10.00%	2520.3076	3.9678
20.00%	2552.0085	3.9185
50.00%	2589.9917	3.8610
80.00%	2609.0283	3.8328
80.00%	2808.1975	3.5610
50.00%	2824.0134	3.5411
20.00%	2837.7290	3.5239

10.00%	2845.3945	3.5145
5.00%	2852.3850	3.5058
1.00%	2867.6255	3.4872
0.10%	2882.8188	3.4688

Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	2509.9241		2843.2396	
96%	2540.3278		2828.4874	
70%	2614.0127		2787.0042	
50%	2639.6889		2760.8933	
0% (area center)	2700.1148		2700.1148	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	2609.0283	2808.1975	199.1692	2708.6130
50%	2589.9917	2824.0134	234.0217	2707.0027
20%	2552.0085	2837.7290	285.7205	2694.8689
5%	2503.1777	2852.3850	349.2073	2677.7815
Channel 4				
The peak wavenumber was at 888.37 and had a value of 1.00				
File starting point is at wavenumber = 781.30				
File ending point is at wavenumber = 1136.11				
Moment Center Wavenumber = 918.0988				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		Microns	
0.10%	838.0370		11.9326	
1.00%	849.7668		11.7679	
5.00%	860.1144		11.6264	
10.00%	864.0668		11.5732	
20.00%	868.0944		11.5195	

50.00%		874.7200		11.4322
80.00%		880.2962		11.3598
80.00%		908.2819		11.0098
80.00%		924.7404		10.8138
80.00%		946.7678		10.5623
50.00%		963.0641		10.3835
20.00%		972.3547		10.2843
10.00%		976.4735		10.2409
5.00%		980.2808		10.2012
1.00%		989.8929		10.1021
0.10%		1002.6329		9.9737
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)
99%		861.2554		978.3790
96%		869.7151		970.3984
70%		885.6159		951.2598
50%		893.6577		941.3195
0% (area center)		917.2289		917.2289
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	880.2962	908.2819	27.9857	894.2891
50%	874.7200	963.0641	88.3441	918.8921
20%	868.0944	972.3547	104.2604	920.2245
5%	860.1144	980.2808	120.1663	920.1976
Channel 5				
The peak wavenumber was at 847.17 and had a value of 1.00				
File starting point is at wavenumber = 714.30				
File ending point is at wavenumber = 999.83				

Moment Center Wavenumber = 835.8113				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		Microns
0.10%		781.7126		12.7924
1.00%		787.1038		12.7048
5.00%		792.4706		12.6188
10.00%		794.8277		12.5813
20.00%		796.8310		12.5497
50.00%		800.3292		12.4949
80.00%		835.7595		11.9652
80.00%		864.6932		11.5648
50.00%		867.7961		11.5234
20.00%		870.8019		11.4837
10.00%		872.4260		11.4623
5.00%		873.9822		11.4419
1.00%		877.1592		11.4004
0.10%		879.9058		11.3649
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)
99%		793.7488		871.7234
96%		798.5004		868.4430
70%		810.0130		859.0152
50%		818.3465		853.0479
0% (area center)		838.1255		838.1255
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)		Center (cm ⁻¹)
80%	835.7595	864.6932		850.2264
50%	800.3292	867.7961		834.0626

20%	796.831 0	870.8019	73.9709	833.8165
5%	792.470 6	873.9822	81.5116	833.2264

Table D.2-12 contains the radiance-to-temperature coefficients for NOAA-16 AVHRR/3 Channels 3B, 4 and 5.

Table D.2-12. NOAA-16 AVHRR/3 Thermal Channel Radiance-to-Temperature Coefficients.			
	n_c	A	B
Channel 3B	2700.1148	1.592459	0.998147
Channel 4	917.2289	0.332380	0.998522
Channel 5	838.1255	0.674623	0.998363

Figures D.2-1 through D.2-6 contains the spectral response curves for NOAA-16 AVHRR/3 Channels 1, 2, 3A, 3B, 4 and 5, respectively.

Figure D.2-1. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 1.

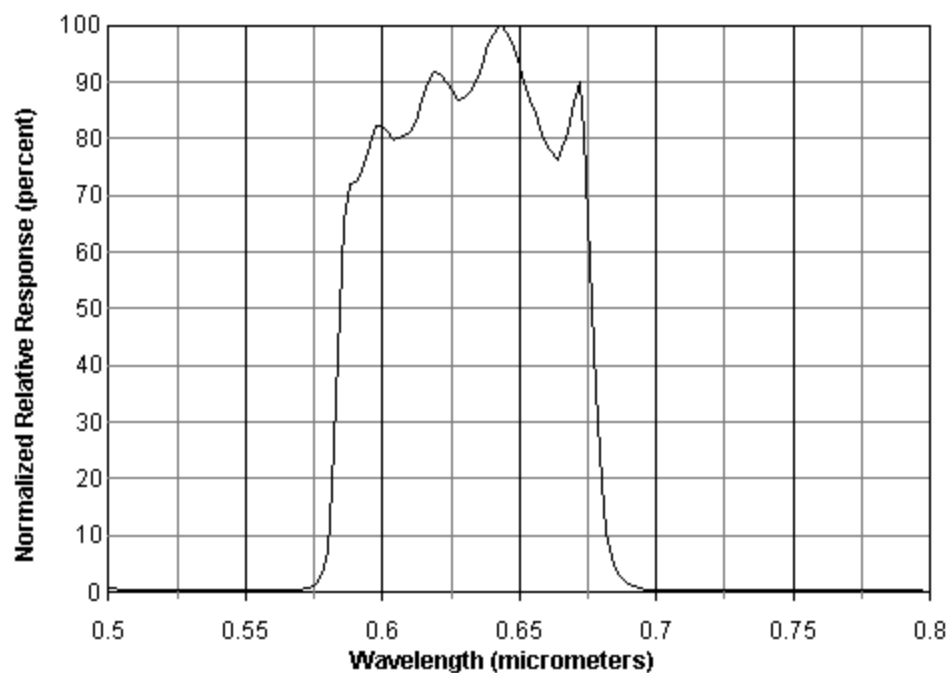


Figure D.2-1. Spectral Response Curve for NOAA-16 Channel 1.

Figure D.2-2. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 2.

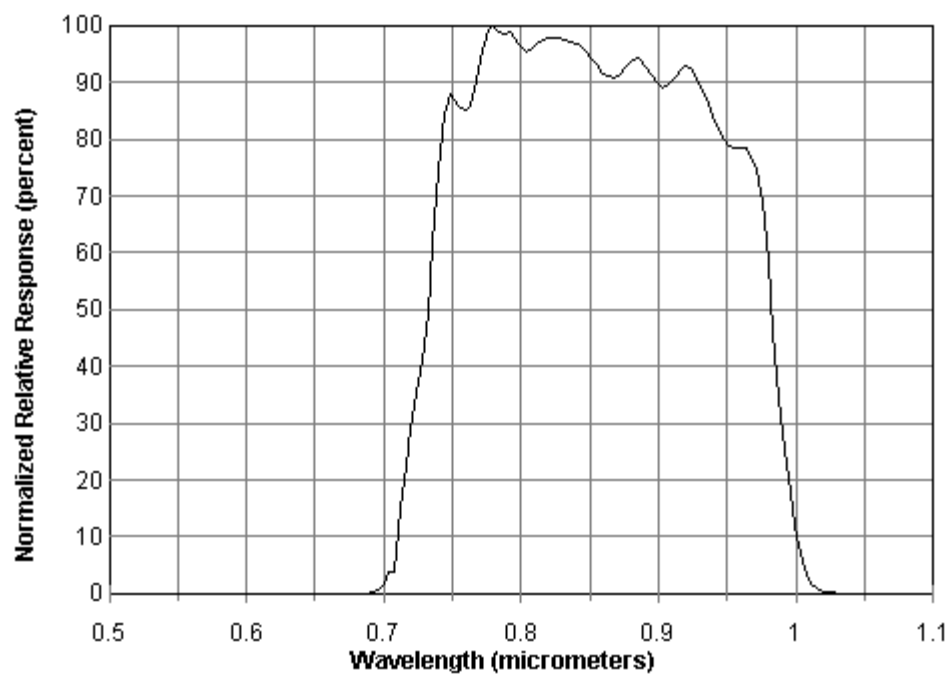


Figure D.2-1. Spectral Response Curve for NOAA-16 Channel 2.

Figure D.2-3. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 3A.

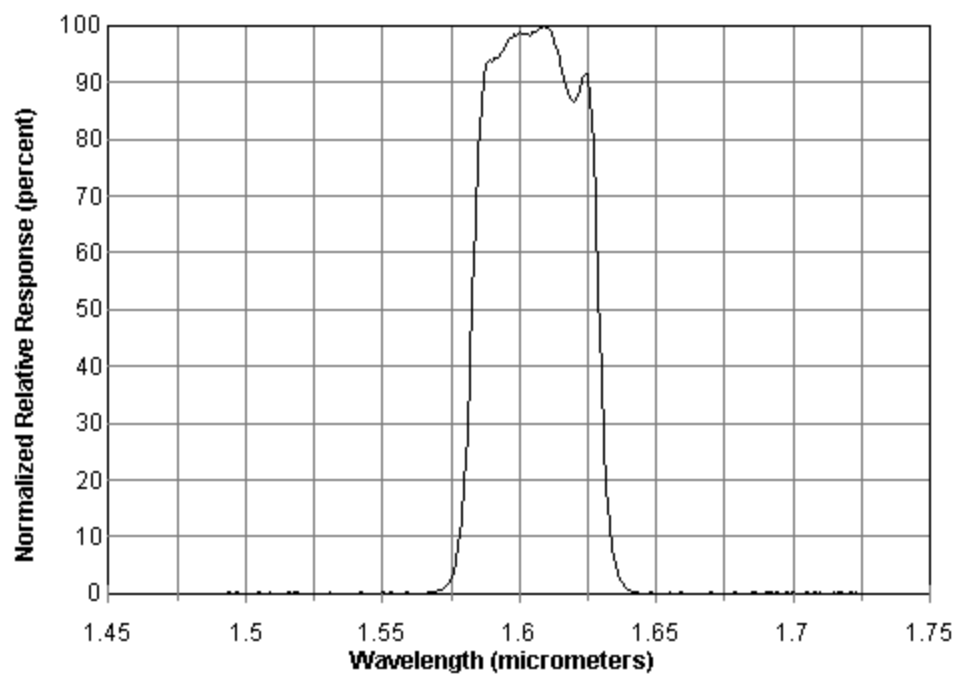


Figure D.2-3. Spectral Response Curve for NOAA-16 Channel 3A.

Figure D.2-4. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 3B.

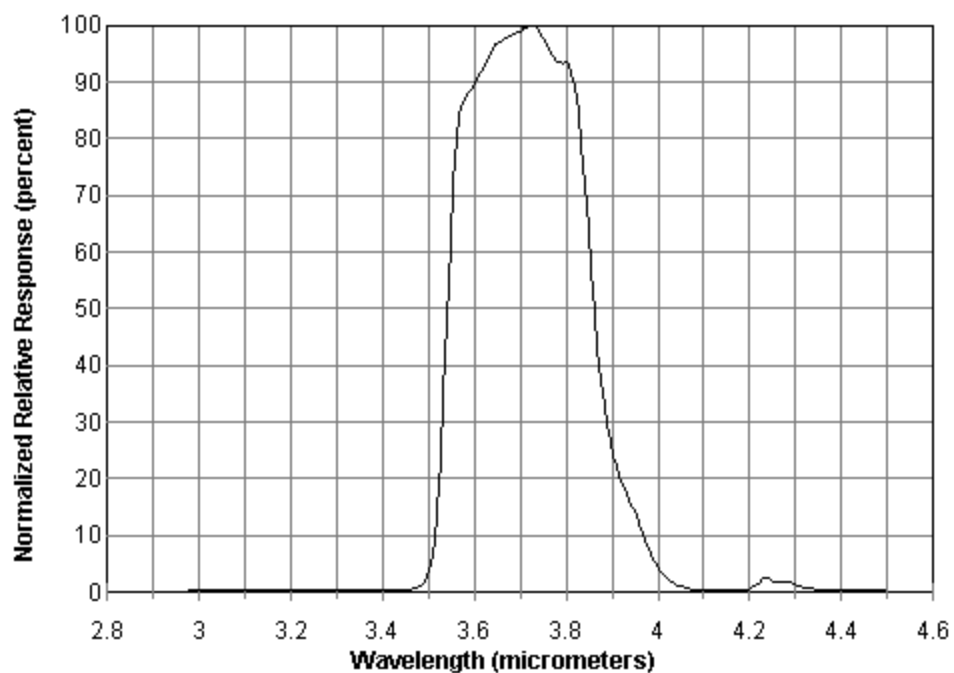


Figure D.2-4. Spectral Response Curve for NOAA-16 Channel 3B.

Figure D.2-5. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 4.

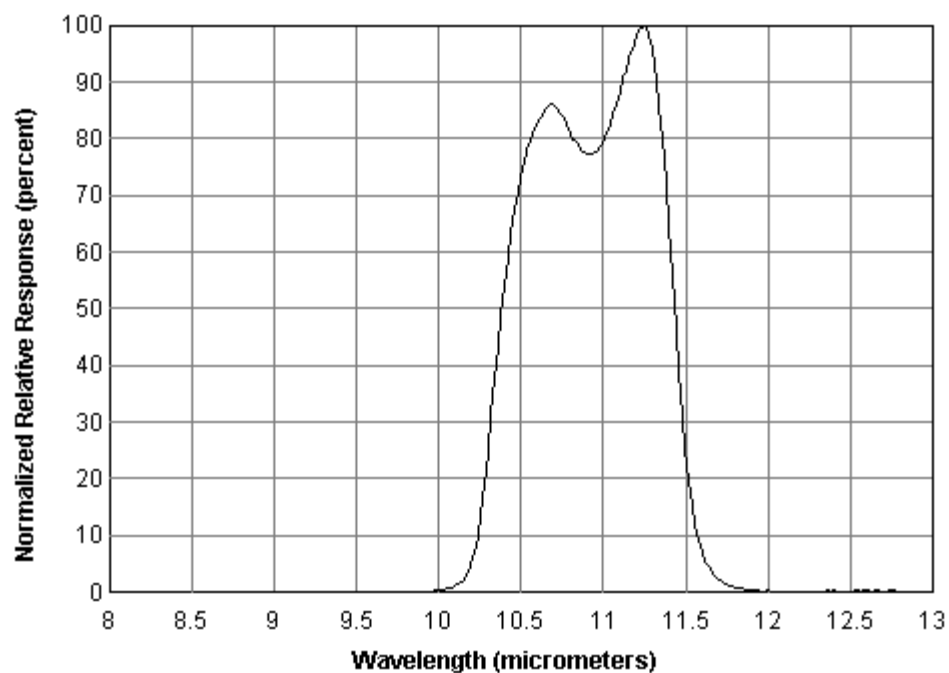


Figure D.2-5. Spectral Response Curve for NOAA-16 Channel 4.

Figure D.2-6. Spectral Response Curve for NOAA-16 AVHRR/3 Channel 5.

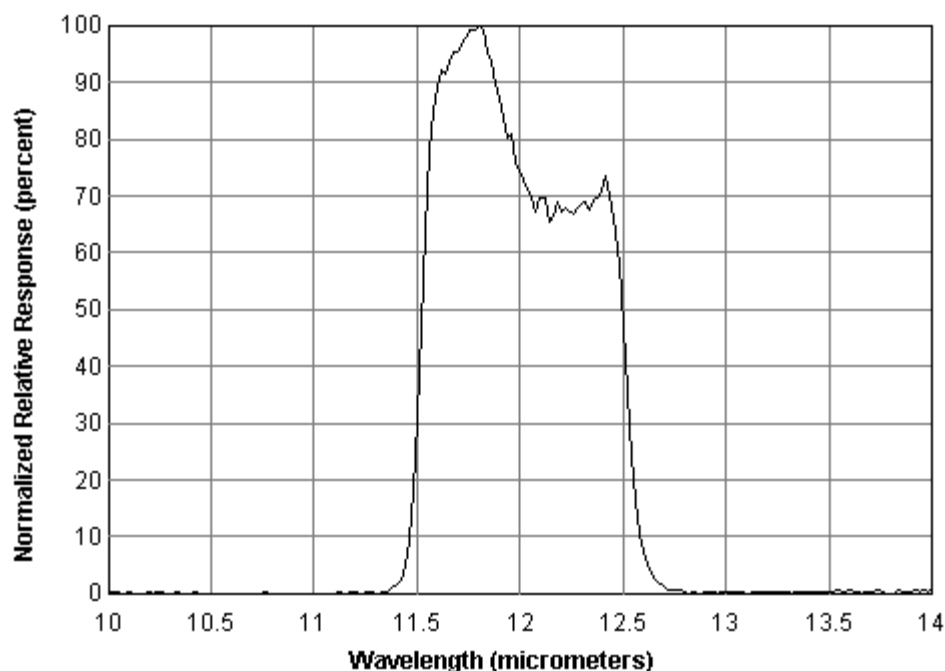


Figure D.2-6. Spectral Response Curve for NOAA-16 Channel 5.

Tables D.2-13 and D.2-14 contain the corresponding spectral response values for NOAA-16 AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.2-13. NOAA-16 AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A.					
Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
0.5	0.57	0.548	0.0009217	1.49	0.0537
0.502	0.5206	0.552	0.01275	1.491	0.03852
0.504	0.5348	0.556	0.0008447	1.492	0.008369
0.506	0.4834	0.56	0.0008116	1.493	0.02181
0.508	0.4692	0.564	0.01292	1.494	0.08357
0.51	0.4861	0.568	0.0007645	1.495	0.02326
0.512	0.4745	0.572	0.000738	1.496	0.0382
0.514	0.4578	0.576	0.0007171	1.497	0.08303
0.516	0.4419	0.58	0.0007006	1.498	0.06686

0.518	0.4278	0.584	0.0006858	1.499	0.006636
0.52	0.3882	0.588	0.0006718	1.5	0.06629
0.522	0.3763	0.592	0.0006585	1.501	0.03645
0.524	0.392	0.596	0.0006476	1.502	0.03791
0.526	0.3536	0.6	0.0006352	1.503	0.00827
0.528	0.3196	0.604	0.01026	1.504	0.05147
0.53	0.3579	0.608	0.0006157	1.505	0.08281
0.532	0.3249	0.612	0.0006082	1.506	0.05166
0.534	0.3182	0.616	0.00876	1.507	0.05191
0.536	0.3314	0.62	0.0005934	1.508	0.03824
0.538	0.3212	0.624	0.0005858	1.509	0.08324
0.54	0.3142	0.628	0.009544	1.51	0.02174
0.542	0.3071	0.632	0.008334	1.511	0.06688
0.544	0.2999	0.636	0.0005725	1.512	0.008352
0.546	0.2922	0.64	0.0005683	1.513	0.02179
0.548	0.305	0.644	0.0005659	1.514	0.0369
0.55	0.2798	0.648	0.000564	1.515	0.0384
0.552	0.292	0.652	0.0005628	1.516	0.08207
0.554	0.2701	0.656	0.008232	1.517	0.05348
0.556	0.2647	0.66	0.008239	1.518	0.08352
0.558	0.2599	0.664	0.0005674	1.519	0.1138
0.56	0.2722	0.668	0.0005624	1.52	0.05347
0.562	0.2687	0.672	0.008057	1.521	0.06694
0.564	0.2635	0.676	0.00796	1.522	0.03715
0.566	0.2752	0.68	0.01634	1.523	0.03692
0.568	0.3026	0.684	0.0246	1.524	0.008345
0.57	0.2985	0.688	0.06602	1.525	0.06839
0.572	0.373	0.692	0.1823	1.526	0.008335
0.574	0.5253	0.696	0.5476	1.527	0.03831
0.576	0.8323	0.7	1.547	1.528	0.03682
0.578	1.524	0.704	3.746	1.529	0.02326
0.58	3.252	0.708	3.783	1.53	0.05182
0.582	7.502	0.712	15.15	1.531	0.1138
0.584	18.84	0.716	22.27	1.532	0.02336
0.586	42.18	0.72	29.15	1.533	0.008347
0.588	65.16	0.724	35.49	1.534	0.006673
0.59	71.88	0.728	41.12	1.535	0.06813
0.592	72.23	0.732	49.23	1.536	0.06812
0.594	73.53	0.736	61.62	1.537	0.03812
0.596	76.47	0.74	74.69	1.538	0.02169
0.598	80.02	0.744	84.49	1.539	0.008314
0.6	82.31	0.748	88.08	1.54	0.02322
0.602	82.36	0.752	86.98	1.541	0.03678

0.604	81.26	0.756	85.67	1.542	0.09657
0.606	79.94	0.76	84.96	1.543	0.008359
0.608	80.17	0.764	85.75	1.544	0.008334
0.61	80.68	0.768	90.44	1.545	0.03814
0.612	81.32	0.772	95.88	1.546	0.0367
0.614	82.93	0.776	99.15	1.547	0.02168
0.616	85.74	0.78	100	1.548	0.02322
0.618	88.96	0.784	99	1.549	0.03828
0.62	91.39	0.788	98.48	1.55	0.08308
0.622	91.78	0.792	98.81	1.551	0.006663
0.624	91.13	0.796	97.76	1.552	0.02164
0.626	89.63	0.8	96.26	1.553	0.08114
0.628	88.27	0.804	95.48	1.554	0.03656
0.63	86.96	0.808	95.9	1.555	0.06662
0.632	87.3	0.812	96.92	1.556	0.0528
0.634	88.09	0.816	97.54	1.557	0.008249
0.636	90.09	0.82	97.89	1.558	0.03775
0.638	92.89	0.824	97.95	1.559	0.09681
0.64	95.77	0.828	97.82	1.56	0.05241
0.642	98.28	0.832	97.39	1.561	0.00657
0.644	99.69	0.836	97.17	1.562	0.06564
0.646	100	0.84	96.88	1.563	0.006539
0.648	98.44	0.844	96.5	1.564	0.006557
0.65	96.05	0.848	95.41	1.565	0.06536
0.652	92.96	0.852	94.11	1.566	0.03618
0.654	89.96	0.856	92.82	1.567	0.09521
0.656	87	0.86	91.56	1.568	0.09451
0.658	84.48	0.864	90.99	1.569	0.1528
0.66	80.95	0.868	90.82	1.57	0.2989
0.662	78.94	0.872	91.47	1.571	0.4466
0.664	77.57	0.876	92.42	1.572	0.6958
0.666	76.26	0.88	93.73	1.573	1.149
0.668	78.22	0.884	94.27	1.574	1.679
0.67	81.11	0.888	94	1.575	2.572
0.672	86.61	0.892	92.74	1.576	3.903
0.674	89.93	0.896	91.1	1.577	6.064
0.676	80.94	0.9	89.7	1.578	8.84
0.678	58.36	0.904	89.09	1.579	12.9
0.68	35.61	0.908	89.62	1.58	19.52
0.682	19.35	0.912	90.82	1.581	28.04
0.684	10.54	0.916	92.18	1.582	39.95
0.686	5.841	0.92	92.95	1.583	52.41
0.688	3.33	0.924	92.47	1.584	65.39

0.69	2.067	0.928	90.8	1.585	77.65
0.692	1.327	0.932	88.71	1.586	86.15
0.694	0.8728	0.936	86.23	1.587	91.05
0.696	0.6101	0.94	84.1	1.588	93.34
0.698	0.4574	0.944	81.46	1.589	93.82
0.7	0.3484	0.948	79.88	1.59	93.72
0.702	0.2887	0.952	78.94	1.591	94.3
0.704	0.2651	0.956	78.5	1.592	94.2
0.706	0.2304	0.96	78.63	1.593	94.98
0.708	0.2191	0.964	78.37	1.594	95.39
0.71	0.2069	0.968	77.08	1.595	96.66
0.712	0.4465	0.972	74.46	1.596	97.4
0.714	0.3634	0.976	68.98	1.597	97.85
0.716	0.3416	0.98	58.76	1.598	98.59
0.718	0.3066	0.984	46.04	1.599	98.32
0.72	0.2626	0.988	34.41	1.6	98.75
0.722	0.2623	0.992	25.14	1.601	98.43
0.724	0.2315	0.996	17.91	1.602	98.55
0.726	0.2391	1	11.79	1.603	98.48
0.728	0.2309	1.004	6.935	1.604	98.2
0.73	0.2097	1.008	3.596	1.605	98.96
0.732	0.2215	1.012	1.719	1.606	98.8
0.734	0.2035	1.016	0.8083	1.607	99.37
0.736	0.2015	1.02	0.3846	1.608	99.49
0.738	0.2152	1.024	0.1808	1.609	100
0.74	0.2003	1.028	0.08314	1.61	99.69
0.742	0.1999	1.032	0.03937	1.611	99.36
0.744	0.202	1.036	0.02018	1.612	98.84
0.746	0.2026	1.04	0.006693	1.613	97.28
0.748	0.203	1.044	0.01448	1.614	95.65
0.75	0.2041	1.048	0.0005044	1.615	93.83
0.752	0.2198	1.052	0.008709	1.616	91.84
0.754	0.2068	1.056	0.009167	1.617	89.42
0.756	0.209	1.06	0.008585	1.618	88.24
0.758	0.2272	1.064	0.01021	1.619	86.97
0.76	0.2457	1.068	0.0006362	1.62	86.67
0.762	0.2168	-	-	1.621	87.43
0.764	0.2189	-	-	1.622	88.32
0.766	0.2367	-	-	1.623	90.93
0.768	0.2393	-	-	1.624	91.26
0.77	0.2263	-	-	1.625	91.52
0.772	0.2294	-	-	1.626	87.36
0.774	0.234	-	-	1.627	79.17

0.776	0.2357	-	-	1.628	67.63
0.778	0.2557	-	-	1.629	53.04
0.78	0.2419	-	-	1.63	38.75
0.782	0.2623	-	-	1.631	26.68
0.784	0.2482	-	-	1.632	18.46
0.786	0.2516	-	-	1.633	12.19
0.788	0.2915	-	-	1.634	7.939
0.79	0.2587	-	-	1.635	5.244
0.792	0.2624	-	-	1.636	3.502
0.794	0.2657	-	-	1.637	2.3
0.796	0.25	-	-	1.638	1.465
0.798	0.2935	-	-	1.639	0.9057
0.8	0.2765	-	-	1.64	0.6118
-	-	-	-	1.641	0.3081
-	-	-	-	1.642	0.1917
-	-	-	-	1.643	0.1434
-	-	-	-	1.644	0.05841
-	-	-	-	1.645	0.007548
-	-	-	-	1.646	0.05856
-	-	-	-	1.647	0.009507
-	-	-	-	1.648	0.07618
-	-	-	-	1.649	0.007657
-	-	-	-	1.65	0.007598
-	-	-	-	1.651	0.007659
-	-	-	-	1.652	0.007634
-	-	-	-	1.653	0.02508
-	-	-	-	1.654	0.009623
-	-	-	-	1.655	0.0784
-	-	-	-	1.656	0.06095
-	-	-	-	1.657	0.0258
-	-	-	-	1.658	0.02604
-	-	-	-	1.659	0.09817
-	-	-	-	1.66	0.01011
-	-	-	-	1.661	0.00813
-	-	-	-	1.662	0.04527
-	-	-	-	1.663	0.04573
-	-	-	-	1.664	0.01052
-	-	-	-	1.665	0.04659
-	-	-	-	1.666	0.06697
-	-	-	-	1.667	0.02816
-	-	-	-	1.668	0.04816
-	-	-	-	1.669	0.04809
-	-	-	-	1.67	0.0878

-	-	-	-	1.671	0.048
-	-	-	-	1.672	0.03052
-	-	-	-	1.673	0.06878
-	-	-	-	1.674	0.04947
-	-	-	-	1.675	0.04717
-	-	-	-	1.676	0.008532
-	-	-	-	1.677	0.04646
-	-	-	-	1.678	0.04651
-	-	-	-	1.679	0.103
-	-	-	-	1.68	0.04638
-	-	-	-	1.681	0.02753
-	-	-	-	1.682	0.04659
-	-	-	-	1.683	0.01064
-	-	-	-	1.684	0.02977
-	-	-	-	1.685	0.08817
-	-	-	-	1.686	0.08652
-	-	-	-	1.687	0.008712
-	-	-	-	1.688	0.01086
-	-	-	-	1.689	0.05013
-	-	-	-	1.69	0.165
-	-	-	-	1.691	0.08727
-	-	-	-	1.692	0.08697
-	-	-	-	1.693	0.06952
-	-	-	-	1.694	0.0886
-	-	-	-	1.695	0.0284
-	-	-	-	1.696	0.06929
-	-	-	-	1.697	0.0109
-	-	-	-	1.698	0.06978
-	-	-	-	1.699	0.05048
-	-	-	-	1.7	0.109
-	-	-	-	1.701	0.05027
-	-	-	-	1.702	0.008691
-	-	-	-	1.703	0.02863
-	-	-	-	1.704	0.04805
-	-	-	-	1.705	0.07001
-	-	-	-	1.706	0.02835
-	-	-	-	1.707	0.06795
-	-	-	-	1.708	0.06986
-	-	-	-	1.709	0.01095
-	-	-	-	1.71	0.08892
-	-	-	-	1.711	0.02845
-	-	-	-	1.712	0.01084
-	-	-	-	1.713	0.02853

-	-	-	-	1.714	0.02832
-	-	-	-	1.715	0.08753
-	-	-	-	1.716	0.008721
-	-	-	-	1.717	0.1095
-	-	-	-	1.718	0.1285
-	-	-	-	1.719	0.008791
-	-	-	-	1.72	0.0502
-	-	-	-	1.721	0.1474
-	-	-	-	1.722	0.008758
-	-	-	-	1.723	0.08986
-	-	-	-	1.724	0.06793
-	-	-	-	1.725	0.03057
-	-	-	-	1.726	0.01099
-	-	-	-	1.727	0.01091
-	-	-	-	1.728	0.04823
-	-	-	-	1.729	0.05017

Table D.2-14. NOAA-16 AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
2.98	0.1654	8.8	0.04117	10	0.02937
2.987	0.1703	8.82	0.01924	10.02	0.07734
2.994	0.1725	8.84	0.04717	10.04	0.07055
3.001	0.1673	8.86	0.003491	10.06	0.04776
3.008	0.1666	8.88	0.04397	10.08	0.02985
3.015	0.1726	8.9	0.002543	10.1	0.09145
3.022	0.1758	8.92	0.048	10.12	0.03551
3.029	0.1739	8.94	0.0442	10.14	0.05787
3.036	0.1746	8.96	0.0145	10.16	0.01822
3.043	0.1707	8.98	0.01618	10.18	0.02887
3.05	0.1769	9	0.02232	10.2	0.1602
3.057	0.1718	9.02	0.001838	10.22	0.0198
3.064	0.167	9.04	0.01864	10.24	0.2532
3.071	0.1775	9.06	3.391E-05	10.26	0.07825
3.078	0.1744	9.08	0.01591	10.28	0.04656
3.085	0.1765	9.1	0.002684	10.3	0.007658
3.092	0.1709	9.12	0.02209	10.32	0.0656
3.099	0.1775	9.14	0.01536	10.34	0.116
3.106	0.1764	9.16	0.01242	10.36	0.05873
3.113	0.17	9.18	0.0138	10.38	0.04152

3.12	0.1755	9.2	0.02595	10.4	0.02858
3.127	0.1767	9.22	0.01551	10.42	0.09357
3.134	0.1717	9.24	0.02575	10.44	0.02663
3.141	0.1726	9.26	0.009519	10.46	0.03183
3.148	0.1738	9.28	0.01208	10.48	0.0302
3.155	0.1722	9.3	0.01669	10.5	0.02125
3.162	0.17	9.32	0.01116	10.52	0.0219
3.169	0.171	9.34	0.02586	10.54	0.01023
3.176	0.1726	9.36	0.02407	10.56	0.02519
3.183	0.1741	9.38	0.02301	10.58	0.02666
3.19	0.1798	9.4	0.02597	10.6	0.05071
3.197	0.1845	9.42	0.03809	10.62	0.003169
3.204	0.184	9.44	0.01726	10.64	0.05413
3.211	0.1847	9.46	0.005527	10.66	0.01799
3.218	0.1812	9.48	0.03188	10.68	0.03836
3.225	0.1882	9.5	0.04163	10.7	0.007837
3.232	0.1895	9.52	0.03399	10.72	0.03617
3.239	0.191	9.54	0.02249	10.74	0.02692
3.246	0.1876	9.56	0.0265	10.76	0.09022
3.253	0.1872	9.58	0.02301	10.78	0.03202
3.26	0.1925	9.6	0.007256	10.8	0.06905
3.267	0.1876	9.62	0.02027	10.82	0.006147
3.274	0.1933	9.64	0.04002	10.84	0.01898
3.281	0.1958	9.66	0.02687	10.86	0.002895
3.288	0.1953	9.68	0.03055	10.88	0.007603
3.295	0.2005	9.7	0.04923	10.9	0.02369
3.302	0.1996	9.72	0.02382	10.92	0.03007
3.309	0.2009	9.74	0.02945	10.94	0.05507
3.316	0.2057	9.76	0.01785	10.96	0.02063
3.323	0.2049	9.78	0.01405	10.98	0.06856
3.33	0.2029	9.8	0.02257	11	0.06138
3.337	0.2008	9.82	0.0008725	11.02	0.05133
3.344	0.2045	9.84	0.005166	11.04	0.03869
3.351	0.1999	9.86	0.0005744	11.06	0.06096
3.358	0.2004	9.88	0.0003771	11.08	0.0183
3.365	0.2072	9.9	0.01965	11.1	0.06192
3.372	0.2034	9.92	0.04839	11.12	0.2351
3.379	0.2057	9.94	0.1108	11.14	0.02473
3.386	0.2038	9.96	0.1252	11.16	0.05452
3.393	0.1999	9.98	0.1882	11.18	0.1064
3.4	0.2032	10	0.2622	11.2	0.1091
3.407	0.2111	10.02	0.3417	11.22	0.007303
3.414	0.2177	10.04	0.4417	11.24	0.02762

3.421	0.2201	10.06	0.6055	11.26	0.1111
3.428	0.2284	10.08	0.7726	11.28	0.1176
3.435	0.2358	10.1	1.034	11.3	0.0568
3.442	0.2556	10.12	1.361	11.32	0.03093
3.449	0.2656	10.14	1.858	11.34	0.402
3.456	0.29	10.16	2.54	11.36	0.1885
3.463	0.3725	10.18	3.555	11.38	0.7873
3.47	0.5539	10.2	4.964	11.4	1.162
3.477	0.7465	10.22	7.043	11.42	2.296
3.484	1.144	10.24	9.908	11.44	4.854
3.491	1.82	10.26	13.82	11.46	9.392
3.498	2.922	10.28	18.91	11.48	18.1
3.505	5.063	10.3	24.58	11.5	30.84
3.512	8.649	10.32	31.33	11.52	47.15
3.519	14.44	10.34	37.76	11.54	64.03
3.526	23.26	10.36	43.5	11.56	77.74
3.533	34.93	10.38	49.17	11.58	85.24
3.54	48.15	10.4	53.99	11.6	89.03
3.547	61.52	10.42	58.97	11.62	92.05
3.554	72.24	10.44	63.41	11.64	91.58
3.561	80.12	10.46	67.3	11.66	93.65
3.568	84.44	10.48	70.68	11.68	95.29
3.575	86.44	10.5	73.39	11.7	95.46
3.582	87.15	10.52	75.81	11.72	96.61
3.589	88.14	10.54	78.03	11.74	97.86
3.596	88.8	10.56	79.84	11.76	99.06
3.603	89.99	10.58	81.75	11.78	99.09
3.61	91.3	10.6	82.57	11.8	100
3.617	92.15	10.62	83.68	11.82	99.04
3.624	93.17	10.64	85.04	11.84	95.43
3.631	94.36	10.66	85.63	11.86	93.53
3.638	95.29	10.68	86.19	11.88	89.68
3.645	96.61	10.7	85.66	11.9	87.2
3.652	96.84	10.72	85.5	11.92	83.84
3.659	97.04	10.74	84.34	11.94	80.32
3.666	97.77	10.76	83.69	11.96	80.98
3.673	97.74	10.78	82.6	11.98	76.1
3.68	98.27	10.8	81.12	12	74.58
3.687	98.51	10.82	79.78	12.02	73.01
3.694	98.87	10.84	79.6	12.04	71.19
3.701	98.99	10.86	78.4	12.06	69.83
3.708	99.64	10.88	77.8	12.08	67.27
3.715	99.66	10.9	77.27	12.1	69.57

3.722	99.73	10.92	77.35	12.12	69.48
3.729	99.86	10.94	77.29	12.14	65.3
3.736	100	10.96	77.8	12.16	66.33
3.743	99	10.98	78.8	12.18	69.04
3.75	97.74	11	79.2	12.2	67.24
3.757	96.7	11.02	81.17	12.22	67.87
3.764	95.66	11.04	82.72	12.24	67.21
3.771	94.58	11.06	84.46	12.26	66.73
3.778	93.66	11.08	86.13	12.28	67.86
3.785	93.55	11.1	88.36	12.3	68.48
3.792	93.33	11.12	91.13	12.32	68.96
3.799	93.42	11.14	91.97	12.34	67.45
3.806	93.25	11.16	94.58	12.36	69.21
3.813	91.57	11.18	95.74	12.38	69.62
3.82	89.14	11.2	98.24	12.4	70.94
3.827	84.82	11.22	99.04	12.42	73.69
3.834	79.09	11.24	99.49	12.44	69.94
3.841	72.07	11.26	100	12.46	66.22
3.848	64.42	11.28	98.23	12.48	58.07
3.855	56.67	11.3	96.21	12.5	47.19
3.862	49.25	11.32	90.57	12.52	35.37
3.869	42.95	11.34	85.84	12.54	24.32
3.876	37.53	11.36	80	12.56	16.42
3.883	32.88	11.38	72.38	12.58	10.46
3.89	29.71	11.4	64.48	12.6	7.235
3.897	26.39	11.42	55.65	12.62	5.045
3.904	23.96	11.44	46.72	12.64	3.299
3.911	22.13	11.46	38.93	12.66	2.273
3.918	20.46	11.48	30.91	12.68	1.526
3.925	18.99	11.5	25.55	12.7	1.296
3.932	17.66	11.52	19.92	12.72	0.685
3.939	16.26	11.54	15.15	12.74	0.4391
3.946	14.82	11.56	11.94	12.76	0.4868
3.953	13.61	11.58	9.191	12.78	0.5813
3.96	12.06	11.6	7.138	12.8	0.07625
3.967	10.55	11.62	5.432	12.82	0.01172
3.974	9.093	11.64	4.445	12.84	0.211
3.981	7.765	11.66	3.482	12.86	0.04112
3.988	6.488	11.68	2.775	12.88	0.01416
3.995	5.391	11.7	2.244	12.9	0.1362
4.002	4.337	11.72	1.764	12.92	0.1941
4.009	3.562	11.74	1.319	12.94	0.1859
4.016	2.834	11.76	1.156	12.96	0.04048

4.023	2.269	11.78	0.9063	12.98	0.234
4.03	1.825	11.8	0.7492	13	0.2721
4.037	1.448	11.82	0.6211	13.02	0.113
4.044	1.11	11.84	0.4987	13.04	0.08682
4.051	0.9136	11.86	0.4415	13.06	0.201
4.058	0.7362	11.88	0.2232	13.08	0.227
4.065	0.5443	11.9	0.286	13.1	0.002984
4.072	0.4453	11.92	0.1861	13.12	0.005483
4.079	0.396	11.94	0.159	13.14	0.1234
4.086	0.3838	11.96	0.06477	13.16	0.2436
4.093	0.3667	11.98	0.01099	13.18	0.2724
4.1	0.3513	12	0.2749	13.2	0.2104
4.107	0.3285	12.02	0.05741	13.22	0.1871
4.114	0.3294	12.04	0.004477	13.24	0.3482
4.121	0.3215	12.06	0.0382	13.26	0.1118
4.128	0.3161	12.08	0.0917	13.28	0.1136
4.135	0.3184	12.1	0.03619	13.3	0.2146
4.142	0.3049	12.12	0.03377	13.32	0.04151
4.149	0.3155	12.14	0.06481	13.34	0.222
4.156	0.3081	12.16	0.00666	13.36	0.1038
4.163	0.3133	12.18	0.03509	13.38	0.2016
4.17	0.3187	12.2	0.06484	13.4	0.2138
4.177	0.3156	12.22	0.04031	13.42	0.1918
4.184	0.3395	12.24	0.09656	13.44	0.1228
4.191	0.3898	12.26	0.09378	13.46	0.1743
4.198	0.4837	12.28	0.03911	13.48	0.4151
4.205	0.6309	12.3	0.09452	13.5	0.1992
4.212	0.9046	12.32	0.08377	13.52	0.2626
4.219	1.491	12.34	0.1116	13.54	0.4243
4.226	2.118	12.36	0.1765	13.56	0.08
4.233	2.581	12.38	0.06529	13.58	0.1626
4.24	2.362	12.4	0.1577	13.6	0.483
4.247	1.987	12.42	0.03291	13.62	0.3594
4.254	1.647	12.44	0.122	13.64	0.1082
4.261	1.682	12.46	0.07161	13.66	0.06156
4.268	1.728	12.48	0.06482	13.68	0.2142
4.275	1.769	12.5	0.06668	13.7	0.3273
4.282	1.753	12.52	0.0806	13.72	0.1629
4.289	1.65	12.54	0.1944	13.74	0.7332
4.296	1.35	12.56	0.1246	13.76	0.1875
4.303	1.187	12.58	0.2207	13.78	0.01638
4.31	0.9481	12.6	0.1404	13.8	0.01017
4.317	0.7979	12.62	0.05396	13.82	0.05905

4.324	0.6702	12.64	0.03767	13.84	0.5814
4.331	0.5792	12.66	0.2027	13.86	0.2973
4.338	0.5311	12.68	0.06821	13.88	0.3569
4.345	0.466	12.7	0.03431	13.9	0.2746
4.352	0.4357	12.72	0.1023	13.92	0.4363
4.359	0.4089	12.74	0.1454	13.94	0.33
4.366	0.3879	12.76	0.2073	13.96	0.5779
4.373	0.3835	12.78	0.09976	13.98	0.4046
4.38	0.3695	12.8	0.08722	14	0.58
4.387	0.3631	-	-	-	-
4.394	0.3728	-	-	-	-
4.401	0.3787	-	-	-	-
4.408	0.378	-	-	-	-
4.415	0.3752	-	-	-	-
4.422	0.3791	-	-	-	-
4.429	0.3714	-	-	-	-
4.436	0.3779	-	-	-	-
4.443	0.3722	-	-	-	-
4.45	0.3683	-	-	-	-
4.457	0.378	-	-	-	-
4.464	0.3687	-	-	-	-
4.471	0.3674	-	-	-	-
4.478	0.3773	-	-	-	-
4.485	0.3738	-	-	-	-
4.492	0.3701	-	-	-	-
4.499	0.3793	-	-	-	-

Table D.2-15. NOAA-16 Radiance of Space and Coefficients for Nonlinear Radiance Correction Quadratic.

	N_s	b_0	b_1	b_2
Channel 4	-2.467	2.96	-0.05411	0.00024532
Channel 5	-2.009	2.25	-0.03665	0.00014854

Table D.2-16. NOAA-16 AMSU PRT Temperature Conversion Coefficients.

	Coefficient 0	Coefficient 1	Coefficient 2	Coefficient 3
A1-1 Warm Load 1 Temperature	0.254013E+03	0.163931E-02	0.584185E-08	0.317000E-13
A1-1 Warm Load 2 Temperature	0.254145E+03	0.163995E-02	0.578292E-08	0.326324E-13
A1-1 Warm Load 3 Temperature	0.253995E+03	0.163895E-02	0.580019E-08	0.324197E-13
A1-1 Warm Load 4 Temperature	0.254049E+03	0.163956E-02	0.575803E-08	0.330704E-13
A1-1 Warm Load Center Temperature	0.254342E+03	0.164056E-02	0.583578E-08	0.318204E-13
A1-2 Warm Load 1 Temperature	0.254040E+03	0.163924E-02	0.582252E-08	0.322464E-13
A1-2 Warm Load 2 Temperature	0.254015E+03	0.164199E-02	0.602700E-08	0.253719E-13
A1-2 Warm Load 3 Temperature	0.253985E+03	0.163733E-02	0.586394E-08	0.309496E-13
A1-2 Warm Load 4 Temperature	0.253963E+03	0.164377E-02	0.556198E-08	0.367514E-13
A1-2 Warm Load Center Temperature	0.254092E+03	0.164010E-02	0.576571E-08	0.327630E-13
A2 Warm Load Center Temp. Conv.	0.254067E+03	0.168755E-02	0.635299E-08	0.314942E-13
A2 Warm Load 1 Temp. Conv.	0.254036E+03	0.168879E-02	0.633452E-08	0.319937E-13

A2 Warm Load 2 Temp. Conv.	0.254065E+03	0.169063E-02	0.626744E-08	0.330192E-13
A2 Warm Load 3 Temp. Conv	0.253925E+03	0.168618E-02	0.637656E-08	0.304957E-13
A2 Warm Load 4 Temp. Conv.	0.254015E+03	0.168923E-02	0.635827E-08	0.315266E-13
A2 Warm Load 5 Temp. Conv.	0.254001E+03	0.168825E-02	0.636131E-08	0.312040E-13
A2 Warm Load 6 Temp. Conv.	0.254025E+03	0.168659E-02	0.642390E-08	0.302105E-13
AMSU-B Calibration Target Temperature 1	0.262010E+03	0.765200E-03	0.122300E-08	0.257000E-14
AMSU-B Calibration Target Temperature 2	0.261970E+03	0.764500E-03	0.122400E-08	0.254000E-14
AMSU-B Calibration Target Temperature 3	0.261950E+03	0.765400E-03	0.123000E-08	0.248000E-14
AMSU-B Calibration Target Temperature 4	0.261920E+03	0.764600E-03	0.122700E-08	0.255000E-14
AMSU-B Calibration Target Temperature 5	0.262150E+03	0.765500E-03	0.123100E-08	0.251000E-14
AMSU-B Calibration Target Temperature 6	0.261910E+03	0.765700E-03	0.116100E-08	0.329000E-14
AMSU-B Calibration Target Temperature 7	0.261900E+03	0.762800E-03	0.131800E-08	0.133000E-14

D.3 NOAA-17 (M)

Launch date: June 24, 2002

Operational dates: October 15, 2002 - present

Morning orbit: 2200 LST ascending node, 1000 LST descending node

AVHRR instrument: 6 channels (AVHRR/3)

Spacecraft ID: 6

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>.

AVHRR:

Table D.3-1 contains the PRT weighting factors for NOAA-17.

Table D.3-1. NOAA-17 PRT Weighting Factors			
b₁	b₂	b₃	b₄
.25	.25	.25	.25

Table D.3-2. NOAA-17 Radiance of Space and Coefficients for Nonlinear Radiance Correction Quadratic.				
	N_S	b₀	b₁	b₂
Channel 4	-8.55	8.22	-0.15795	0.00075579
Channel 5	-3.97	4.31	-0.07318	0.00030976

Table D.3-3 contains NOAA-17 coefficients d₀, d₁, d₂, d₃ and d₄ that relate temperature, T_{PRT} (Kelvin) of each PRT to count value, C_{PRT}, by the equation:

$$T_{PRT} = d_0 + d_1 C_{PRT} + d_2 C_{PRT}^2 + d_3 C_{PRT}^3 + d_4 C_{PRT}^4$$

Table D.3-3. NOAA-17 AVHRR/3 Conversion Coefficients					
PRT	d₀	d₁	d₂	d₃	d₄
1	276.628	0.05098	1.371 E-06	0	0
2	276.538	0.05098	1.371 E-06	0	0
3	276.761	0.05097	1.369 E-06	0	0
4	276.660	0.05100	1.348 E-06	0	0

Table D.3-4 contains the pre-launch calibration coefficients (albedo representation) for the AVHRR/3 instrument on NOAA-17.

Table D.3-4. NOAA-17 AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	0.0555	-2.2193
	High albedo range (26 - 100%)	0.1627	-55.9635
2	Low albedo range (0-25%)	0.0543	-2.1227
	High albedo range (26 - 100%)	0.1621	-56.2160
3A	Low albedo range (0-12.5%)	0.0265	-1.1153
	High albedo range (12.6 - 100%)	0.1860	-81.2520
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 497.53, 500.32, and 498.66 counts for channels 1,2, and 3A respectively. This information is based on the data in Instruction Manual and Alignment/Calibration Handbook and Optical Data, submitted to NASA/GSFC by ITT Aerospace/Communications (Report 8172845, Rev B), January 2002.			

Table D.3-5 contains a summary of the spectral response data as a function of wavenumber for all channels of the NOAA-17 AVHRR/3.

Table D.3-5. Summary of NOAA-17 AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15460.00 and had a value of 1.00		
File starting point is at wavenumber = 12050.00		
File ending point is at wavenumber = 23250.00		
Moment Center Wavenumber = 15815.3133		
Percent line at which curve crosses	Wavenumber (cm⁻¹)	μm
0.10%	14197.7285	0.7043
1.00%	14383.6572	0.6952
5.00%	14505.8613	0.6894
10.00%	14559.2041	0.6869
20.00%	14617.2354	0.6841
50.00%	14703.6748	0.6801
80.00%	14778.9727	0.6766
80.00%	16630.6680	0.6013

50.00%	16968.5859		0.5893	
20.00%	17075.4141		0.5856	
10.00%	17123.4551		0.5840	
5.00%	17168.1836		0.5825	
1.00%	17279.4473		0.5787	
0.10%	17458.8906		0.5728	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	14576.6921		17106.1116	
96%	14691.0247		16991.0894	
70%	15029.2533		16587.7738	
50%	15261.1488		16345.9996	
0% (area center)	15791.0042		15791.0042	
Crossing	Lower(cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center(cm ⁻¹)
80%	14778.9727	16630.6680	1851.6953	15704.8203
50%	14703.6748	16968.5859	2264.9111	15836.1309
20%	14617.2354	17075.4141	2458.1787	15846.3242
0 5%	14505.8613	17168.1836	2662.3223	15837.0225
Channel 2				
The peak wavenumber was at 12150.00 and had a value of 1.00				
File starting point is at wavenumber = 9330.00				
File ending point is at wavenumber = 19995.00				
Moment Center Wavenumber = 11976.9574				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		μm
0.10%		9447.9365		1.0584
1.00%		9898.8965		1.0102
5.00%		9980.9414		1.0019
10.00%		10007.1953		0.9993
20.00%		10035.3643		0.9965
50.00%		10123.3047		0.9878
80.00%		10618.1885		0.9418
80.00%		13345.3174		0.7493
50.00%		13629.8096		0.7337
20.00%		13978.5986		0.7154
10.00%		14094.9512		0.7095
5.00%		14168.0088		0.7058
1.00%		14298.7021		0.6994
0.10%		14446.0820		0.6922
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	10056.6330		14035.3655	
96%	10161.0703		13826.4520	
70%	10748.1875		13159.8549	
50%	11124.8997		12811.5372	
0% (area center)	11984.2653		11984.2653	

Crossing	Lower(cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	10618.1885	13345.3174	2727.1289	11981.7529
50%	10123.3047	13629.8096	3506.5049	11876.5566
20%	10035.3643	13978.5986	3943.2344	12006.9814
5%	9980.9414	14168.0088	4187.0674	12074.4746
Channel 3A				
The peak wavenumber was at 6155.00 and had a value of 1.00				
File starting point is at wavenumber = 5785.00				
File ending point is at wavenumber = 6705.00				
Moment Center Wavenumber = 6225.8311				
Percent line at which curve crosses	Wavenumber(cm ⁻¹)		μm	
0.10%	6001.4897		1.6663	
1.00%	6058.3877		1.6506	
5.00%	6087.6611		1.6427	
10.00%	6099.3330		1.6395	
20.00%	6110.1841		1.6366	
50.00%	6125.9956		1.6324	
80.00%	6138.5308		1.6291	
80.00%	6315.0498		1.5835	
50.00%	6327.6074		1.5804	
20.00%	6342.7637		1.5766	
10.00%	6352.5254		1.5742	
5.00%	6362.6411		1.5717	
1.00%	6387.6782		1.5655	
0.10%	6427.3838		1.5558	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	6083.4646		6354.2082	
96%	6107.7390		6333.4053	
70%	6147.6866		6294.6314	
50%	6167.9301		6273.3724	
0% (area center)	6220.9686		6220.9686	
Crossing	Lower (cm ⁻¹)	Upper(cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	6138.5308	6315.0498	176.5190	6226.7900
50%	6125.9956	6327.6074	201.6118	6226.7900
20%	6110.1841	6342.7637	232.5796	6226.4736
5%	6087.6611	6362.6411	274.9800	6225.1514
Channel 3B				
The peak wavenumber was at 2676.00 and had a value of 1.00				
File starting point is at wavenumber = 2222.80				
File ending point is at wavenumber = 3355.50				
Moment Center Wavenumber = 2670.7832				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		μm	

0.10%	2450.6682	4.0805		
1.00%	2484.3210	4.0252		
5.00%	2504.6335	3.9926		
10.00%	2512.8923	3.9795		
20.00%	2521.2141	3.9663		
50.00%	2534.1401	3.9461		
80.00%	2544.8032	3.9296		
80.00%	2790.3733	3.5838		
50.00%	2807.6648	3.5617		
20.00%	2825.8022	3.5388		
10.00%	2837.9299	3.5237		
5.00%	2850.3682	3.5083		
1.00%	2889.1338	3.4612		
0.10%	2928.5266	3.4147		
Area Point Limits	Lower (cm ⁻¹)	Upper (cm ⁻¹)		
99%	2513.7827	2846.3451		
96%	2530.9986	2818.9999		
70%	2572.8381	2768.3110		
50%	2601.1470	2738.8992		
0% (area center)	2669.3554	2669.3554		
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	2544.8032	2790.3733	245.5701	2667.5884
50%	2534.1401	2807.6648	273.5247	2670.9023
20%	2521.2141	2825.8022	304.5881	2673.5083
5%	2504.6335	2850.3682	345.7346	2677.5010
Channel 4				
The peak wavenumber was at 910.60 and had a value of 1.00				
File starting point is at wavenumber = 781.30				
File ending point is at wavenumber = 1136.10				
Moment Center Wavenumber = 927.0246				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)	μm	
0.10%		862.2510	11.5976	
1.00%		869.1935	11.5049	
5.00%		874.3738	11.4368	
10.00%		876.7823	11.4053	
20.00%		879.5154	11.3699	
50.00%		884.9008	11.3007	
80.00%		891.0714	11.2224	
80.00%		961.4295	10.4012	
50.00%		969.5510	10.3141	
20.00%		976.7188	10.2384	
10.00%		980.3932	10.2000	

5.00%		983.4320		10.1685
1.00%		989.3499		10.1076
0.10%		996.3859		10.0363
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	877.1614		980.3953	
96%	882.5272		973.9390	
70%	897.1439		957.3432	
50%	905.4768		948.0198	
0% (area center)	926.2947		926.2947	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	891.0714	961.4295	70.3581	926.2505
50%	884.9008	969.5510	84.6501	927.2259
20%	879.5154	976.7188	97.2033	928.1171
5%	874.3738	983.4320	109.0582	928.9029

Channel 5		
The peak wavenumber was at 851.80 and had a value of 1.00		
File starting point is at wavenumber = 714.30		
File ending point is at wavenumber = 999.80		
Moment Center Wavenumber = 839.3771		
Percent line at which curve crosses	Wavenumber (cm ⁻¹)	μm
0.10%	791.1701	12.6395
1.00%	795.8210	12.5656
5.00%	799.0394	12.5150
10.00%	800.4374	12.4932
20.00%	801.9744	12.4692
50.00%	804.8924	12.4240
80.00%	809.4222	12.3545
80.00%	870.8118	11.4835
50.00%	872.7117	11.4585
20.00%	874.8072	11.4311
10.00%	876.0613	11.4147
5.00%	877.2944	11.3987
1.00%	880.0529	11.3630
0.10%	883.5798	11.3176

Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%		801.2731		874.9253	
96%		804.4629		872.2251	
70%		815.4069		862.5390	
50%		822.7971		855.8623	
0% (area center)		839.8246		839.8246	
	Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)

80%	809.4222	870.8118	61.3896	840.1171
50%	804.8924	872.7117	67.8193	830.8020
20%	801.9744	874.8072	72.8328	838.3907
5%	799.0394	877.2944	78.2549	838.1669

Table D.3-6 contains NOAA-17 AVHRR/3 visible channel information such as equivalent width, w , effective central wavelength, λ_e , and in-band solar irradiance, F .

Table D.3-6. NOAA-17 AVHRR/3 Visible Channel Information.			
Channel	Equivalent Width w (μm)	Effective Wavelength λ_e (μm)	Extraterrestrial Solar Irradiance in Band F (W/m^2)
1	0.0830	0.6343	136.212
2	0.2332	0.8431	240.558
3A	0.0514	1.6062	12.449
Note: These quantities are based on the solar irradiance data of Neckel and Labs (1984), which is a widely used source of such data.			

Table D.3-7 contains the temperature-to-radiance coefficients for NOAA-17 AVHRR/3 Channels 3B, 4 and 5.

Table D.3-7. NOAA-17 AVHRR/3 Thermal Channel Temperature-to-Radiance Coefficients.			
	n_c	A	B
Channel 3B	2669.3554	1.702380	0.997378
Channel 4	926.2947	0.271683	0.998794
Channel 5	839.8246	0.309180	0.999012

Tables D.3-8 and D.3-9 contain the corresponding spectral response values for NOAA-17 AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.3-8. NOAA-17 AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A.

Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
0.43	-0.09065	0.5	0.009322	1.49	-0.0008364
0.432	-0.04881	0.504	0.02671	1.491	6.673E-05
0.434	-0.1259	0.508	0.02294	1.492	-0.004932
0.436	-0.09956	0.512	0.01535	1.493	0.001087
0.438	0.1532	0.516	-0.00187	1.494	-0.002084
0.44	-0.004736	0.52	0.003617	1.495	0.01003
0.442	-0.07128	0.524	0.009153	1.496	0.002434
0.444	0.01453	0.528	-0.01047	1.497	-0.000612
0.446	0.1177	0.532	-0.003216	1.498	-0.0127
0.448	0.1547	0.536	-0.003333	1.499	0.0048
0.45	0.2955	0.54	0.003491	1.5	-0.006513
0.452	0.08948	0.544	-0.007124	1.501	-0.001636
0.454	-0.03246	0.548	0.01182	1.502	0.009002
0.456	0.3173	0.552	0.007709	1.503	6.754E-05
0.458	-0.09104	0.556	0.002622	1.504	0.01075
0.46	0.0383	0.56	-0.003375	1.505	0.009945
0.462	0.05126	0.564	0.004387	1.506	0.001097
0.464	-0.0329	0.568	-0.001663	1.507	-0.00938
0.466	-0.009072	0.572	0.0007343	1.508	6.709E-05
0.468	0.01306	0.576	0.0005186	1.509	0.005526
0.47	0.03344	0.58	0.001462	1.51	0.01153
0.472	0.4583	0.584	-0.0005424	1.511	-0.006625
0.474	-0.02025	0.588	0.001769	1.512	-0.001525
0.476	-0.02043	0.592	-0.005231	1.513	0.01017
0.478	-0.04375	0.596	-0.008645	1.514	-0.0002768
0.48	-0.01109	0.6	-0.007108	1.515	0.001795
0.482	-0.03603	0.604	0.002324	1.516	-0.003823
0.484	0.005565	0.608	0.001445	1.517	0.01295
0.486	0.06175	0.612	-0.002213	1.518	0.002135
0.488	-0.03629	0.616	-0.0009627	1.519	-0.003261
0.49	0.09509	0.62	-0.01042	1.52	0.008955
0.492	0.03584	0.624	-0.006464	1.521	0.01916
0.494	0.0716	0.628	0.005096	1.522	0.005964
0.496	-0.0289	0.632	-0.002659	1.523	-0.006381
0.498	0.03873	0.636	-0.002009	1.524	0.00226
0.5	0.02358	0.64	0.002341	1.525	0.008159
0.502	0.02158	0.644	0.001406	1.526	0.002944
0.504	-0.01142	0.648	0.001556	1.527	0.01128

0.506	0.04083	0.652	-0.00129	1.528	0.01743
0.508	0.03875	0.656	-0.002442	1.529	0.000984
0.51	0.009675	0.66	0.001257	1.53	0.01271
0.512	0.01157	0.664	-0.001534	1.531	0.005831
0.514	-0.00469	0.668	-0.0004428	1.532	0.002477
0.516	-0.02658	0.672	0.001227	1.533	0.006758
0.518	-0.02196	0.676	0.004571	1.534	0.003294
0.52	0.0299	0.68	0.003944	1.535	0.01383
0.522	-0.007131	0.684	0.01565	1.536	0.002369
0.524	0.01608	0.688	0.02235	1.537	0.006599
0.526	-0.002306	0.692	0.09222	1.538	0.01308
0.528	0.0143	0.696	0.3542	1.539	0.00433
0.53	-0.01021	0.7	1.204	1.54	0.01518
0.532	0.01961	0.704	3.384	1.541	0.02334
0.534	-0.009284	0.708	7.664	1.542	0.01992
0.536	-0.008635	0.712	14.44	1.543	0.01853
0.538	-0.02106	0.716	20.99	1.544	0.0161
0.54	-0.009967	0.72	27.31	1.545	0.02132
0.542	0.01753	0.724	33.8	1.546	0.0178
0.544	0.009069	0.728	40.76	1.547	0.01388
0.546	0.003909	0.732	47.26	1.548	0.0218
0.548	0.01174	0.736	54.04	1.549	0.01941
0.55	-0.009763	0.74	62.11	1.55	0.03236
0.552	0.01003	0.744	71.01	1.551	0.04262
0.554	-0.003237	0.748	78.17	1.552	0.04452
0.556	0.02122	0.752	83.55	1.553	0.06266
0.558	0.01144	0.756	89.13	1.554	0.07052
0.56	0.001719	0.76	92.28	1.555	0.0763
0.562	-0.0064	0.764	93.7	1.556	0.1061
0.564	0.04224	0.768	93.5	1.557	0.1303
0.566	0.004333	0.772	93.3	1.558	0.1622
0.568	0.05981	0.776	94.68	1.559	0.2167
0.57	0.07691	0.78	96.31	1.56	0.245
0.572	0.07532	0.784	98.14	1.561	0.3337
0.574	0.1785	0.788	99.41	1.562	0.4015
0.576	0.3922	0.792	99.71	1.563	0.5461
0.578	0.7385	0.796	98.75	1.564	0.6786
0.58	1.722	0.8	97.73	1.565	0.8465
0.582	4.033	0.804	97.2	1.566	1.136
0.584	10.02	0.808	97.76	1.567	1.459
0.586	22.9	0.812	98.85	1.568	1.82
0.588	40.91	0.816	99.7	1.569	2.427
0.59	53.35	0.82	99.93	1.57	3.109

0.592	59.08	0.824	100	1.571	4.14
0.594	63.39	0.828	99.52	1.572	5.393
0.596	68.46	0.832	99.22	1.573	6.994
0.598	73.41	0.836	99.23	1.574	9.493
0.6	77.75	0.84	99.21	1.575	12.36
0.602	81.05	0.844	99.46	1.576	16.79
0.604	83.2	0.848	99.14	1.577	21.86
0.606	84.72	0.852	98.44	1.578	29.07
0.608	86.01	0.856	97.64	1.579	37.17
0.61	87.43	0.86	96.76	1.58	45.62
0.612	89.48	0.864	95.21	1.581	56.79
0.614	91.71	0.868	93.92	1.582	66.25
0.616	92.98	0.872	93.21	1.583	75.75
0.618	93.43	0.876	92.46	1.584	83.15
0.62	93.48	0.88	92.33	1.585	87.47
0.622	93.37	0.884	91.84	1.586	92.35
0.624	93.4	0.888	91.64	1.587	92.77
0.626	93.13	0.892	90.75	1.588	94.6
0.628	93.57	0.896	89.52	1.589	93.98
0.63	93.81	0.9	88.22	1.59	93.29
0.632	93.97	0.904	87.53	1.591	94.25
0.634	94.44	0.908	86.98	1.592	92.64
0.636	94.65	0.912	87.11	1.593	94.43
0.638	95.59	0.916	87.1	1.594	94.15
0.64	96.52	0.92	87.16	1.595	93.99
0.642	97.82	0.924	86.02	1.596	94.88
0.644	99.27	0.928	84.43	1.597	94.55
0.646	99.99	0.932	82.87	1.598	95.29
0.648	100	0.936	81.9	1.599	94.25
0.65	99.7	0.94	80.72	1.6	96.05
0.652	98.15	0.944	79.06	1.601	95.94
0.654	96.18	0.948	77.3	1.602	95.79
0.656	93.66	0.952	75.45	1.603	95.34
0.658	91.36	0.956	73.48	1.604	95.45
0.66	88.65	0.96	71.56	1.605	96.74
0.662	86.76	0.964	70.03	1.606	94.23
0.664	85.18	0.968	68.94	1.607	95.3
0.666	83.76	0.972	66.15	1.608	93.68
0.668	83.11	0.976	61.75	1.609	94.42
0.67	83.51	0.98	56.43	1.61	93.75
0.672	85.12	0.984	52.6	1.611	94.12
0.674	86.16	0.988	49.85	1.612	93.65
0.676	83.1	0.992	41.47	1.613	92.48

0.678	70.16	0.996	22.18	1.614	93.28
0.68	51	1	8.212	1.615	92.67
0.682	33.32	1.004	3.117	1.616	93.6
0.684	20.62	1.008	1.42	1.617	93.03
0.686	12.49	1.012	0.7962	1.618	95.29
0.688	7.321	1.016	0.5448	1.619	95.26
0.69	4.202	1.02	0.4234	1.62	95.1
0.692	2.417	1.024	0.3536	1.621	98.08
0.694	1.399	1.028	0.3093	1.622	98.54
0.696	0.8155	1.032	0.27	1.623	100
0.698	0.4956	1.036	0.2362	1.624	99.13
0.7	0.2922	1.04	0.2059	1.625	99.89
0.702	0.1886	1.044	0.1832	1.626	95.76
0.704	0.1099	1.048	0.1548	1.627	94.3
0.706	0.06342	1.052	0.1346	1.628	87.62
0.708	0.03122	1.056	0.1126	1.629	80.74
0.71	0.01844	1.06	0.09284	1.63	72.61
0.712	-0.008994	1.064	0.07759	1.631	63.96
0.714	-0.007811	1.068	0.06402	1.632	54.06
0.716	0.008407	1.072	0.05062	1.633	44.12
0.718	-0.007444	-	-	1.634	37.03
0.72	0.01356	-	-	1.635	29.27
0.722	-0.01925	-	-	1.636	23.33
0.724	-0.0152	-	-	1.637	18.14
0.726	0.0001121	-	-	1.638	14.75
0.728	0.02124	-	-	1.639	11.29
0.73	-0.01858	-	-	1.64	8.97
0.732	-0.008072	-	-	1.641	7.033
0.734	-0.02215	-	-	1.642	5.793
0.736	-0.00762	-	-	1.643	4.561
0.738	-0.004521	-	-	1.644	3.607
0.74	0.007491	-	-	1.645	2.956
0.742	-0.004499	-	-	1.646	2.355
0.744	0.004345	-	-	1.647	1.97
0.746	-0.003188	-	-	1.648	1.613
0.748	-0.008475	-	-	1.649	1.363
0.75	0.00084	-	-	1.65	1.112
0.752	-0.014	-	-	1.651	0.9409
0.754	0.002848	-	-	1.652	0.7443
0.756	-0.005178	-	-	1.653	0.6525
0.758	0.0007404	-	-	1.654	0.5764
0.76	-0.02035	-	-	1.655	0.5095
0.762	-0.02301	-	-	1.656	0.394

0.764	0.002486	-	-	1.657	0.3234
0.766	-0.006276	-	-	1.658	0.3046
0.768	-0.01742	-	-	1.659	0.2577
0.77	0.04229	-	-	1.66	0.2065
0.772	-0.007647	-	-	1.661	0.2024
0.774	-0.01046	-	-	1.662	0.165
0.776	0.003111	-	-	1.663	0.1577
0.778	-0.01578	-	-	1.664	0.1285
0.78	-0.0147	-	-	1.665	0.1173
0.782	-0.01532	-	-	1.666	0.1159
0.784	0.006754	-	-	1.667	0.08093
0.786	0.00242	-	-	1.668	0.08118
0.788	0.001057	-	-	1.669	0.09189
0.79	-0.02534	-	-	1.67	0.04033
0.792	0.02389	-	-	1.671	0.04494
0.794	0.003045	-	-	1.672	0.05669
0.796	-0.02196	-	-	1.673	0.04872
0.798	-0.002512	-	-	1.674	0.0669
0.8	-0.02028	-	-	1.675	0.05297
0.802	-0.01035	-	-	1.676	0.03004
0.804	-0.01985	-	-	1.677	0.01605
0.806	-0.01351	-	-	1.678	0.03327
0.808	-0.01784	-	-	1.679	0.03453
0.81	-0.04077	-	-	1.68	0.02413
0.812	-0.007691	-	-	1.681	0.01612
0.814	-0.006489	-	-	1.682	0.01835
0.816	-0.01069	-	-	1.683	0.001586
0.818	-0.0335	-	-	1.684	0.006575
0.82	-0.02232	-	-	1.685	0.01057
0.822	-0.0005826	-	-	1.686	0.02745
0.824	0.01725	-	-	1.687	0.0141
0.826	-0.02547	-	-	1.688	0.008842
0.828	-0.003171	-	-	1.689	0.01767
0.83	-0.00336	-	-	1.69	0.03035
-	-	-	-	1.691	0.02
-	-	-	-	1.692	-0.01065
-	-	-	-	1.693	0.02238
-	-	-	-	1.694	-0.006386
-	-	-	-	1.695	0.02306
-	-	-	-	1.696	0.004098
-	-	-	-	1.697	0.01304
-	-	-	-	1.698	0.007056
-	-	-	-	1.699	-0.004172

-	-	-	-	1.7	0.007405
-	-	-	-	1.701	0.0207
-	-	-	-	1.702	-0.005615
-	-	-	-	1.703	0.007141
-	-	-	-	1.704	-0.00388
-	-	-	-	1.705	-0.01529
-	-	-	-	1.706	0.0202
-	-	-	-	1.707	0.002258
-	-	-	-	1.708	-0.003412
-	-	-	-	1.709	0.002879
-	-	-	-	1.71	0.00879
-	-	-	-	1.711	-0.01075
-	-	-	-	1.712	-0.01059
-	-	-	-	1.713	-0.0008345
-	-	-	-	1.714	-0.006658
-	-	-	-	1.715	0.01639
-	-	-	-	1.716	-0.006614
-	-	-	-	1.717	-0.01068
-	-	-	-	1.718	9.214E-05
-	-	-	-	1.719	-0.01111
-	-	-	-	1.72	-0.008704
-	-	-	-	1.721	-0.01717
-	-	-	-	1.722	0.001323
-	-	-	-	1.723	-0.003298
-	-	-	-	1.724	-0.01184
-	-	-	-	1.725	-0.01016
-	-	-	-	1.726	-0.004224
-	-	-	-	1.727	-0.01201
-	-	-	-	1.728	-0.01586
-	-	-	-	1.729	-0.003961
-	-	-	-	1.73	-0.003873

Table D.3-9. NOAA-17 AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
2.98	0.00862	8.8	0.002672	10	0.01355
2.987	0.00502	8.82	0.02292	10.02	0.006598
2.994	-0.00367	8.84	-0.01563	10.04	0.01834
3.001	-0.00586	8.86	0.004889	10.06	0.003044
3.008	0.00642	8.88	-0.008165	10.08	0.01258
3.015	0.00532	8.9	0.02362	10.1	0.008526
3.022	-0.00164	8.92	0.002033	10.12	0.009147
3.029	0.00334	8.94	0.001733	10.14	0.008192
3.036	0.23936	8.96	-0.02323	10.16	0.009166
3.043	0.01145	8.98	0.004445	10.18	0.007965
3.05	0.0037	9	0.01219	10.2	0.01453
3.057	0.00931	9.02	0.01066	10.22	0.008008
3.064	-0.00509	9.04	0.007318	10.24	0.005171
3.071	0.00963	9.06	0.01953	10.26	0.0164
3.078	0.0128	9.08	0.008014	10.28	0.0001844
3.085	0.00164	9.1	-0.0108	10.3	0.003104
3.092	-0.000788	9.12	0.003033	10.32	0.004054
3.099	-0.000611	9.14	-0.02039	10.34	0.002746
3.106	0.000744	9.16	0.004377	10.36	0.001286
3.113	0.00732	9.18	0.01441	10.38	-0.002027
3.12	-0.00625	9.2	0.02069	10.4	0.003154
3.127	-0.00608	9.22	-0.01759	10.42	0.006009
3.134	0.00791	9.24	0.008268	10.44	0.01098
3.141	0.00984	9.26	0.01491	10.46	-0.001819
3.148	0.00534	9.28	0.003987	10.48	0.007332
3.155	-0.00539	9.3	0.0219	10.5	0.0003518
3.162	-0.00811	9.32	0.03947	10.52	0.01032
3.169	0.00174	9.34	0.00307	10.54	0.005165
3.176	0.00766	9.36	4.073	10.56	-0.00526
3.183	0.000822	9.38	0.03279	10.58	0.006168
3.19	-0.00531	9.4	-0.0002071	10.6	-0.003767
3.197	-0.01267	9.42	-0.02613	10.62	-0.01271
3.204	0.000546	9.44	-0.01048	10.64	-0.0005124
3.211	-0.00453	9.46	-0.03739	10.66	0.01172
3.218	-0.00643	9.48	0.0135	10.68	-0.001256
3.225	0.00452	9.5	0.005915	10.7	-0.005604
3.232	0.00351	9.52	-0.01598	10.72	-0.007074

3.239	-0.00506	9.54	0.005028	10.74	-0.003616
3.246	-0.00166	9.56	0.002662	10.76	-0.002295
3.253	0.01368	9.58	0.005559	10.78	-0.0008934
3.26	0.01097	9.6	0.0008341	10.8	0.003314
3.267	0.01132	9.62	0.005991	10.82	-0.001754
3.274	0.00242	9.64	0.02601	10.84	-0.005154
3.281	0.00302	9.66	-0.01446	10.86	0.2539
3.288	0.00416	9.68	-0.005252	10.88	-0.01211
3.295	0.00604	9.7	0.003237	10.9	-0.001179
3.302	0.00734	9.72	-0.01669	10.92	-0.005135
3.309	0.00493	9.74	0.03039	10.94	-0.003307
3.316	0.00171	9.76	-0.02462	10.96	-0.02101
3.323	0.01199	9.78	0.007526	10.98	-0.01332
3.33	0.00297	9.8	-0.004866	11	-0.007008
3.337	0.01801	9.82	0.002393	11.02	-0.004798
3.344	-0.00237	9.84	-0.005776	11.04	-0.003622
3.351	0.02282	9.86	0.001998	11.06	-0.01038
3.358	0.01267	9.88	0.01973	11.08	-0.007724
3.365	0.01237	9.9	0.01316	11.1	0.001618
3.372	0.02087	9.92	-0.01045	11.12	-0.00236
3.379	0.01448	9.94	0.01583	11.14	-0.01986
3.386	0.02723	9.96	-0.001424	11.16	-0.009352
3.393	0.0275	9.98	0.0347	11.18	-0.01705
3.4	0.04912	10	0.0429	11.2	9.495E-05
3.407	0.06245	10.02	0.04086	11.22	-0.01603
3.414	0.09517	10.04	0.122	11.24	0.01562
3.421	0.14846	10.06	0.2474	11.26	0.01996
3.428	0.20819	10.08	0.4577	11.28	0.0005891
3.435	0.32693	10.1	0.8325	11.3	0.02193
3.442	0.45638	10.12	1.406	11.32	0.1102
3.449	0.62833	10.14	2.472	11.34	0.2979
3.456	0.82827	10.16	4.046	11.36	0.8426
3.463	1.06078	10.18	6.435	11.38	2.152
3.47	1.34103	10.2	9.904	11.4	5.175
3.477	1.65788	10.22	14.57	11.42	12.28
3.484	2.08814	10.24	20.38	11.44	27.5
3.491	2.62468	10.26	27.35	11.46	51.25
3.498	3.33055	10.28	34.92	11.48	76.15
3.505	4.37172	10.3	43.49	11.5	89.73
3.512	5.84957	10.32	52.42	11.52	91.09
3.519	8.04378	10.34	60.71	11.54	88.37
3.526	11.1169	10.36	68.71	11.56	87.15

3.533	15.3041	10.38	75.15	11.58	88.19
3.54	21.0809	10.4	79.74	11.6	91.55
3.547	28.6145	10.42	82.83	11.62	93.33
3.554	38.0882	10.44	85.22	11.64	95.74
3.561	48.8709	10.46	86.21	11.66	98.12
3.568	59.8885	10.48	86.44	11.68	98.98
3.575	70.021	10.5	86.71	11.7	99.25
3.582	78.1934	10.52	87.24	11.72	99.76
3.589	84.2581	10.54	88.15	11.74	100
3.596	87.2597	10.56	89.19	11.76	99.8
3.603	89.3534	10.58	90.17	11.78	99.2
3.61	90.7406	10.6	91.01	11.8	98.56
3.617	91.3379	10.62	91.93	11.82	98.89
3.624	91.5169	10.64	92.72	11.84	98.84
3.631	91.75	10.66	93.03	11.86	99.48
3.638	91.7613	10.68	94	11.88	99
3.645	92.2221	10.7	94.93	11.9	99.24
3.652	92.4756	10.72	95.06	11.92	98.56
3.659	92.9641	10.74	94.88	11.94	98.39
3.666	93.6619	10.76	95.72	11.96	97.17
3.673	94.2733	10.78	95.81	11.98	97.13
3.68	95.3461	10.8	95.75	12	94.92
3.687	96.2959	10.82	95.7	12.02	93.97
3.694	97.1352	10.84	96.22	12.04	92.02
3.701	97.9276	10.86	96.07	12.06	91.14
3.708	98.6843	10.88	95.87	12.08	90.44
3.715	99.0706	10.9	96.58	12.1	89.49
3.722	99.6617	10.92	96.05	12.12	88.97
3.729	99.566	10.94	98.8	12.14	88.9
3.736	100	10.96	97.03	12.16	87.95
3.743	99.8084	10.98	100	12.18	87.23
3.75	99.8033	11	98.54	12.2	86.92
3.757	99.5347	11.02	99.45	12.22	85.11
3.764	99.8026	11.04	98.24	12.24	85.06
3.771	99.8291	11.06	99.5	12.26	84.26
3.778	99.9346	11.08	98.6	12.28	84.28
3.785	99.9398	11.1	96.6	12.3	81.96
3.792	99.5834	11.12	95.75	12.32	82.12
3.799	99.5397	11.14	94.33	12.34	81.46
3.806	99.5387	11.16	92.77	12.36	79.11
3.813	98.8389	11.18	89.41	12.38	73.51
3.82	98.3127	11.2	85.9	12.4	65.82

3.827	97.1817	11.22	80.86	12.42	52.99
3.834	96.4223	11.24	74.69	12.44	39.26
3.841	95.8607	11.26	68.01	12.46	25.52
3.848	94.9926	11.28	59.28	12.48	14.98
3.855	94.8302	11.3	50.5	12.5	8.142
3.862	94.5596	11.32	41	12.52	4.306
3.869	95.1009	11.34	32.02	12.54	2.258
3.876	95.5137	11.36	23.75	12.56	1.194
3.883	96.76	11.38	16.76	12.58	0.6585
3.89	97.7527	11.4	11.22	12.6	0.3189
3.897	98.8714	11.42	7.438	12.62	0.1789
3.904	98.8156	11.44	4.669	12.64	0.09845
3.911	97.3622	11.46	3.035	12.66	0.02806
3.918	93.2379	11.48	1.787	12.68	0.02886
3.925	86.2266	11.5	1.15	12.7	-0.01095
3.932	76.0853	11.52	0.624	12.72	-0.01828
3.939	63.1266	11.54	0.4481	12.74	-0.01124
3.946	50.1982	11.56	0.2534	12.76	-0.01459
3.953	37.8329	11.58	0.1732	12.78	0.007384
3.96	27.4364	11.6	0.09704	12.8	-0.01746
3.967	19.3512	11.62	0.121	12.82	-0.01403
3.974	13.3907	11.64	0.03826	12.84	-0.03602
3.981	9.23866	11.66	0.03188	12.86	-0.01261
3.988	6.37943	11.68	0.01518	12.88	-0.06917
3.995	4.42402	11.7	0.0407	12.9	-0.00929
4.002	3.11955	11.72	0.03684	12.92	-0.02175
4.009	2.24388	11.74	-0.01336	12.94	-0.03332
4.016	1.58349	11.76	0.03116	12.96	-0.06208
4.023	1.11447	11.78	-0.03545	12.98	-0.06559
4.03	0.81222	11.8	0.08653	13	-0.01411
4.037	0.59283	11.82	-0.05337	13.02	0.009463
4.044	0.4344	11.84	0.07375	13.04	-0.04154
4.051	0.33028	11.86	0.09694	13.06	-0.03529
4.058	0.24324	11.88	-0.06905	13.08	-0.008764
4.065	0.19363	11.9	-0.0218	13.1	-0.05664
4.072	0.13935	11.92	-0.09451	13.12	-0.02171
4.079	0.10549	11.94	-0.06877	13.14	-0.04043
4.086	0.0798	11.96	-0.1422	13.16	-0.01591
4.093	0.05335	11.98	0.06551	13.18	-0.04614
4.1	0.03807	12	0.1744	13.2	-0.07809
4.107	0.03126	12.02	-0.08561	13.22	-0.04289
4.114	0.01912	12.04	-0.04837	13.24	-0.06797

4.121	0.01471	12.06	-0.08585	13.26	0.004183
4.128	0.00518	12.08	-0.06557	13.28	-0.02505
4.135	0.00805	12.1	0.06829	13.3	-0.02641
4.142	-0.00144	12.12	-0.06915	13.32	-0.04431
4.149	-0.00222	12.14	0.001108	13.34	-0.0253
4.156	-0.00378	12.16	0.009701	13.36	-0.01577
4.163	-0.01117	12.18	1.193	13.38	0.002353
4.17	-0.01339	12.2	0.003084	13.4	-0.07232
4.177	0.00414	12.22	0.03961	13.42	-0.07439
4.184	0.0147	12.24	-0.03443	13.44	-0.1003
4.191	0.00222	12.26	0.05267	13.46	-0.05095
4.198	-0.01467	12.28	-0.04374	13.48	-0.1146
4.205	-0.03354	12.3	0.002715	13.5	-0.04489
4.212	-0.05105	12.32	-0.1214	13.52	-0.0489
4.219	-0.25673	12.34	-0.0655	13.54	-0.06161
4.226	-0.12844	12.36	-0.03179	13.56	-0.0202
4.233	0.11548	12.38	-0.01476	13.58	-0.07926
4.24	0.05306	12.4	-0.06599	13.6	-0.08591
4.247	0.4581	12.42	-0.0003548	13.62	-0.1683
4.254	0.07806	12.44	0.01637	13.64	-0.07274
4.261	-0.01386	12.46	0.1011	13.66	-0.03322
4.268	0.4737	12.48	0.03018	13.68	-0.05523
4.275	-0.22682	12.5	-0.03573	13.7	0.04107
4.282	-0.01468	12.52	0.03382	13.72	-0.04951
4.289	-0.22643	12.54	-0.1379	13.74	-0.02986
4.296	-0.08543	12.56	-0.0453	13.76	0.02535
4.303	0.21533	12.58	-0.1104	13.78	-0.07546
4.31	-0.0332	12.6	-0.01406	13.8	-0.06502
4.317	-0.04098	12.62	-0.04006	13.82	-0.0558
4.324	-0.01558	12.64	-0.1136	13.84	-0.077
4.331	-0.04557	12.66	0.1032	13.86	-0.03247
4.338	0.01453	12.68	0.0002163	13.88	0.02308
4.345	-0.00272	12.7	-0.1079	13.9	-0.1325
4.352	0.01915	12.72	0.0008639	13.92	-0.009476
4.359	-0.02428	12.74	0.04461	13.94	-0.04258
4.366	-0.00233	12.76	-0.1746	13.96	-0.03505
4.373	-0.02559	12.78	0.1333	13.98	-0.05063
4.38	-0.02393	12.8	-0.07272	14	-0.1135
4.387	0.01623	-	-	-	-
4.394	0.01143	-	-	-	-
4.401	-0.02593	-	-	-	-
4.408	0.00504	-	-	-	-

4.415	-0.000963	-	-	-	-
4.422	-0.01117	-	-	-	-
4.429	-0.0111	-	-	-	-
4.436	0.00514	-	-	-	-
4.443	0.00436	-	-	-	-
4.45	-0.02916	-	-	-	-
4.457	-0.00297	-	-	-	-
4.464	0.00981	-	-	-	-
4.471	-0.01084	-	-	-	-
4.478	-0.0273	-	-	-	-
4.485	-0.00805	-	-	-	-
4.492	0.01625	-	-	-	-
4.499	0.01175	-	-	-	-

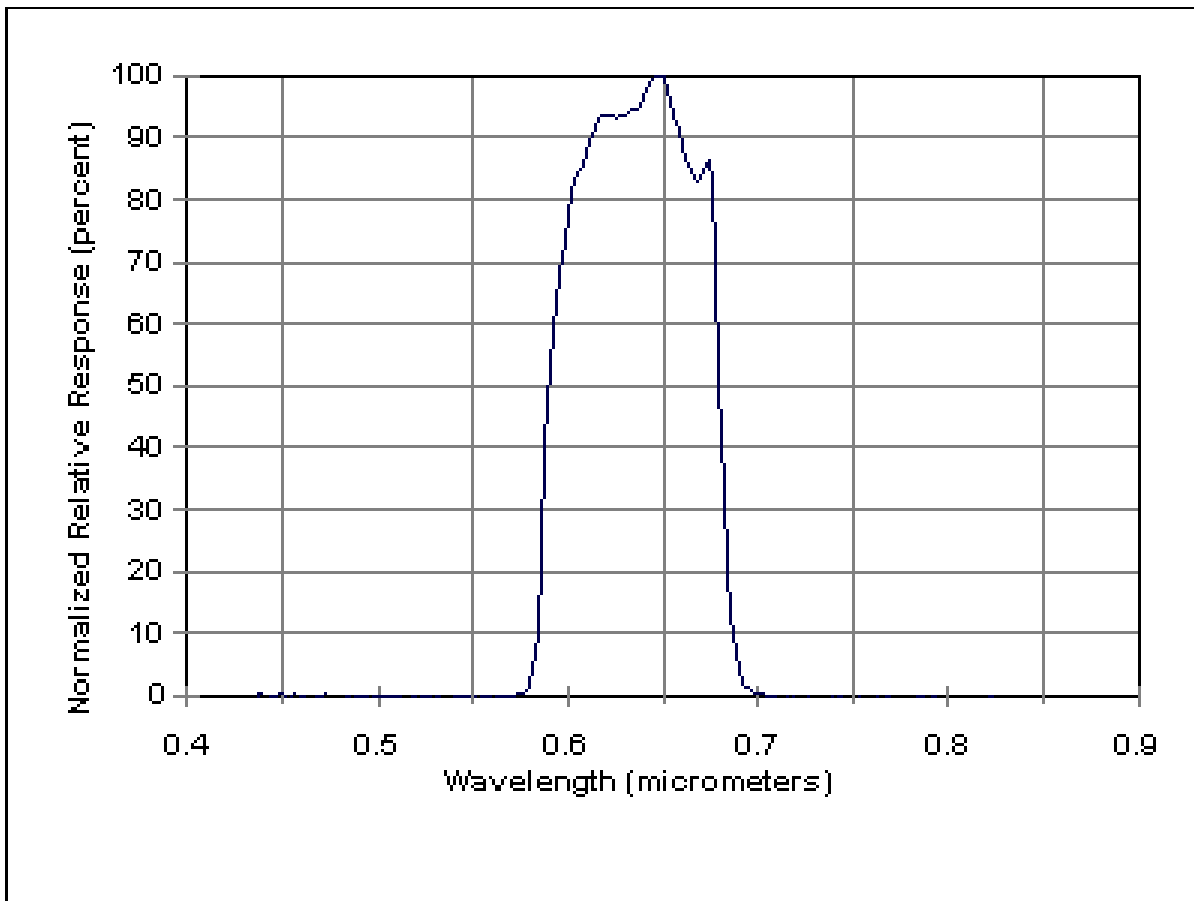


Figure D.3-1. Spectral Response Curve for NOAA-17 Channel 1

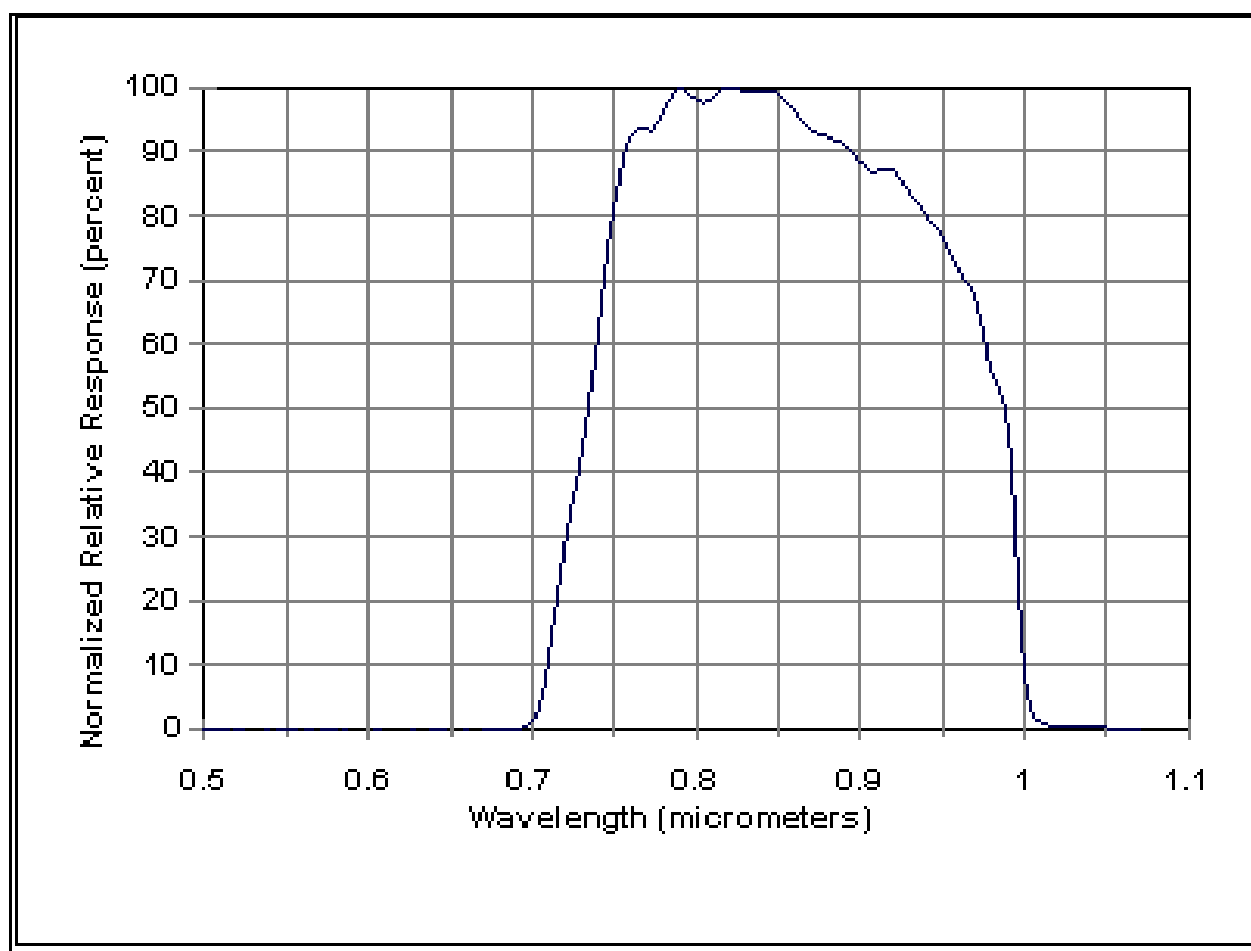


Figure D.3-2. Spectral Response Curve for NOAA-17 Channel 2

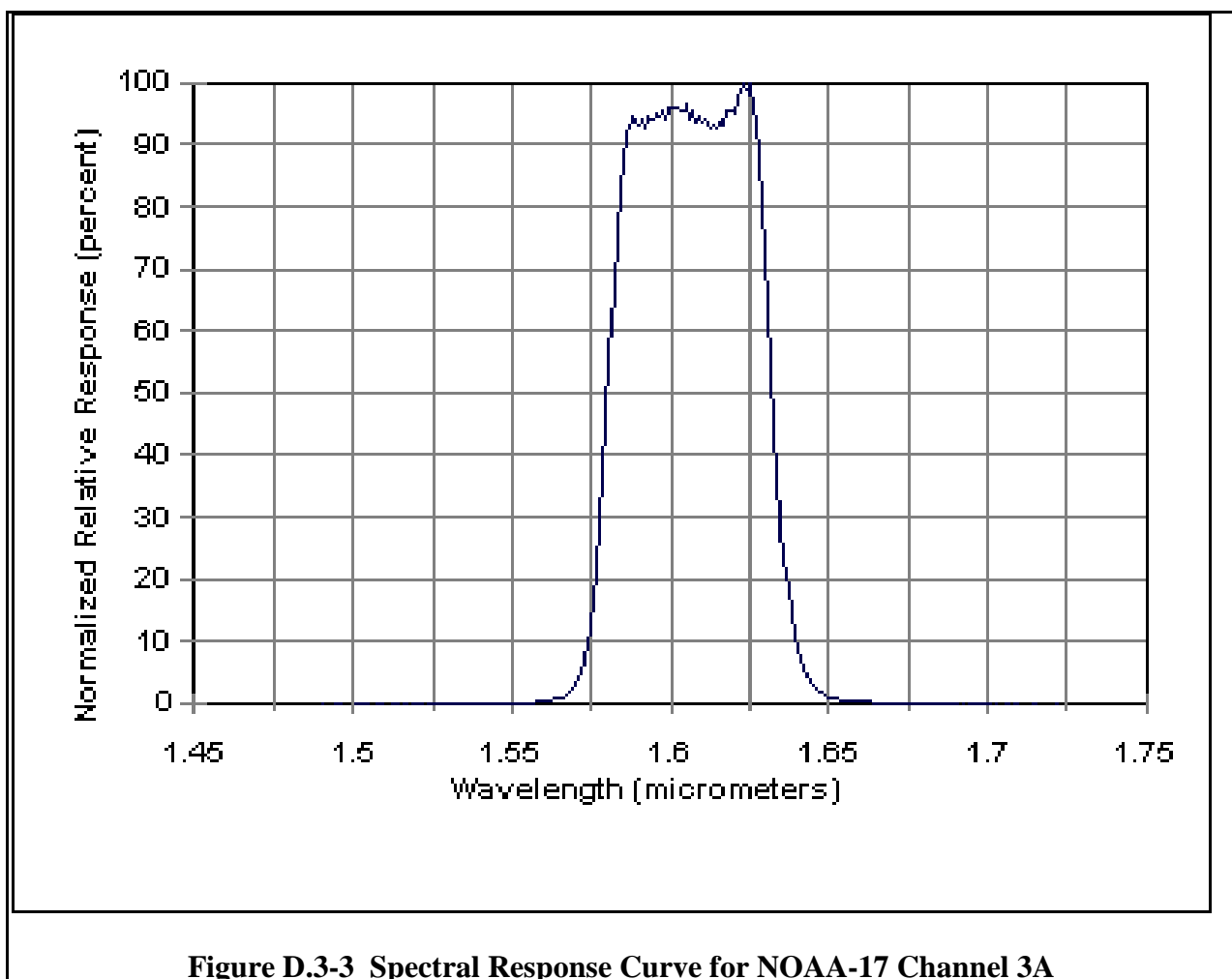


Figure D.3-3 Spectral Response Curve for NOAA-17 Channel 3A

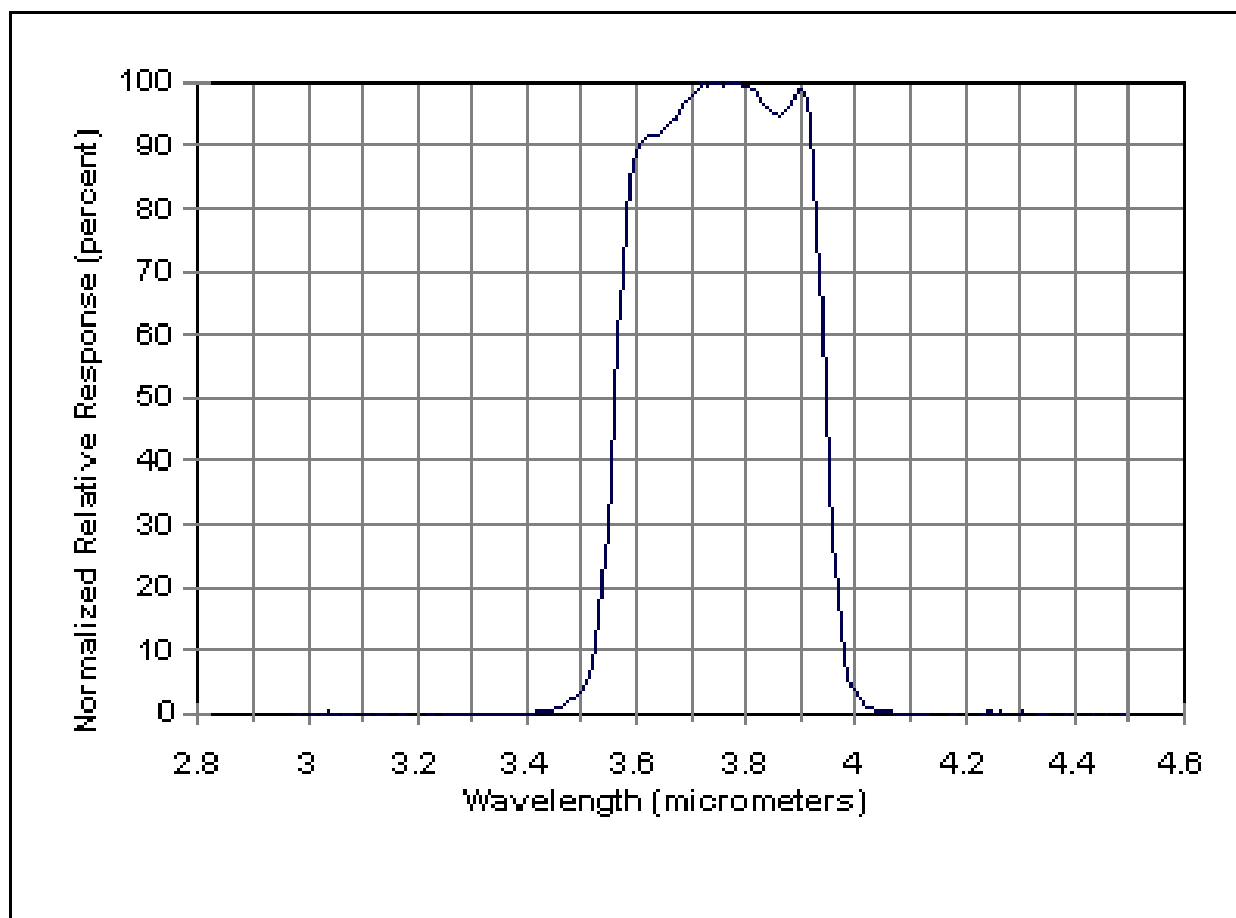
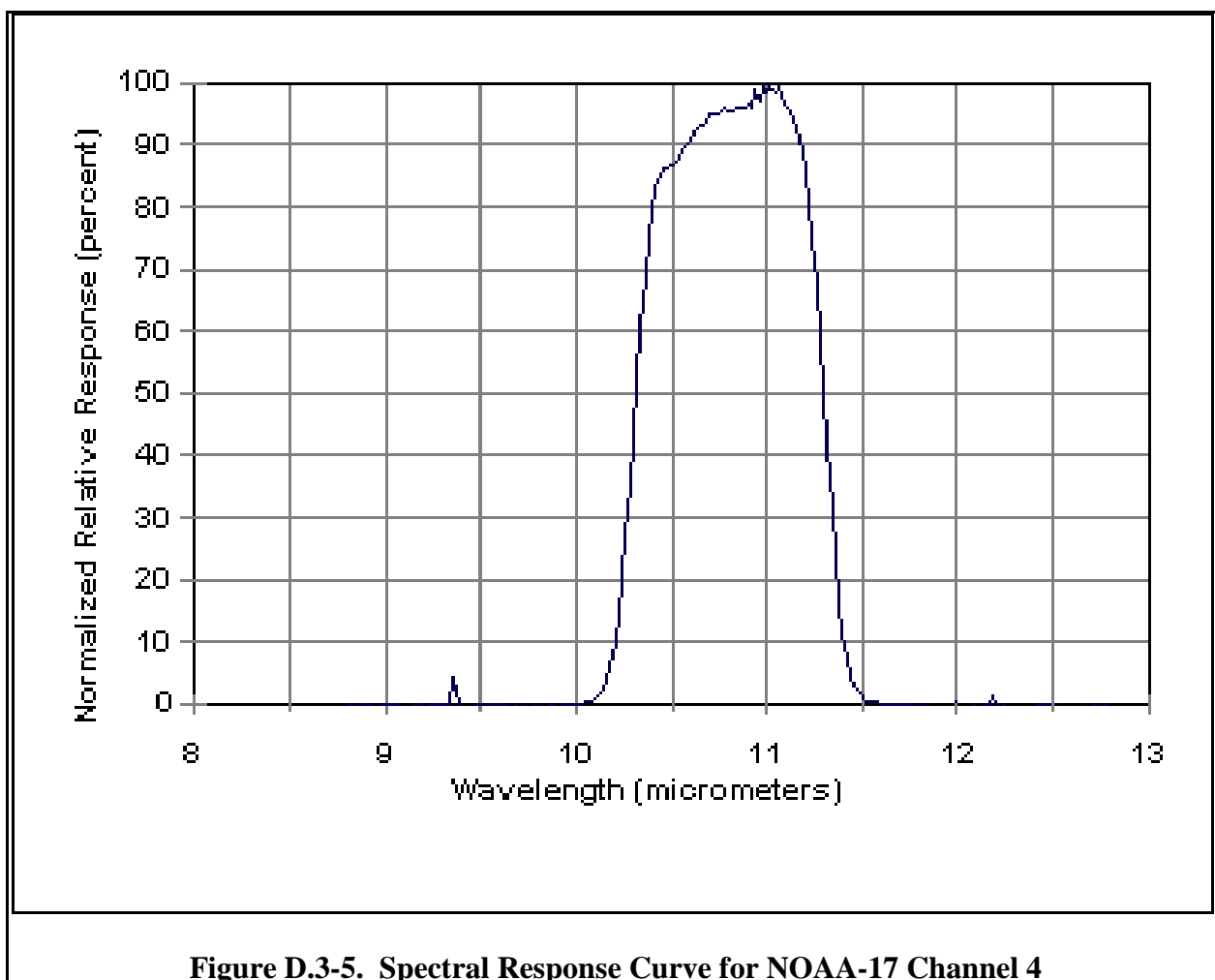


Figure D.3-4. Spectral Response Curve for NOAA-17 Channel 3B



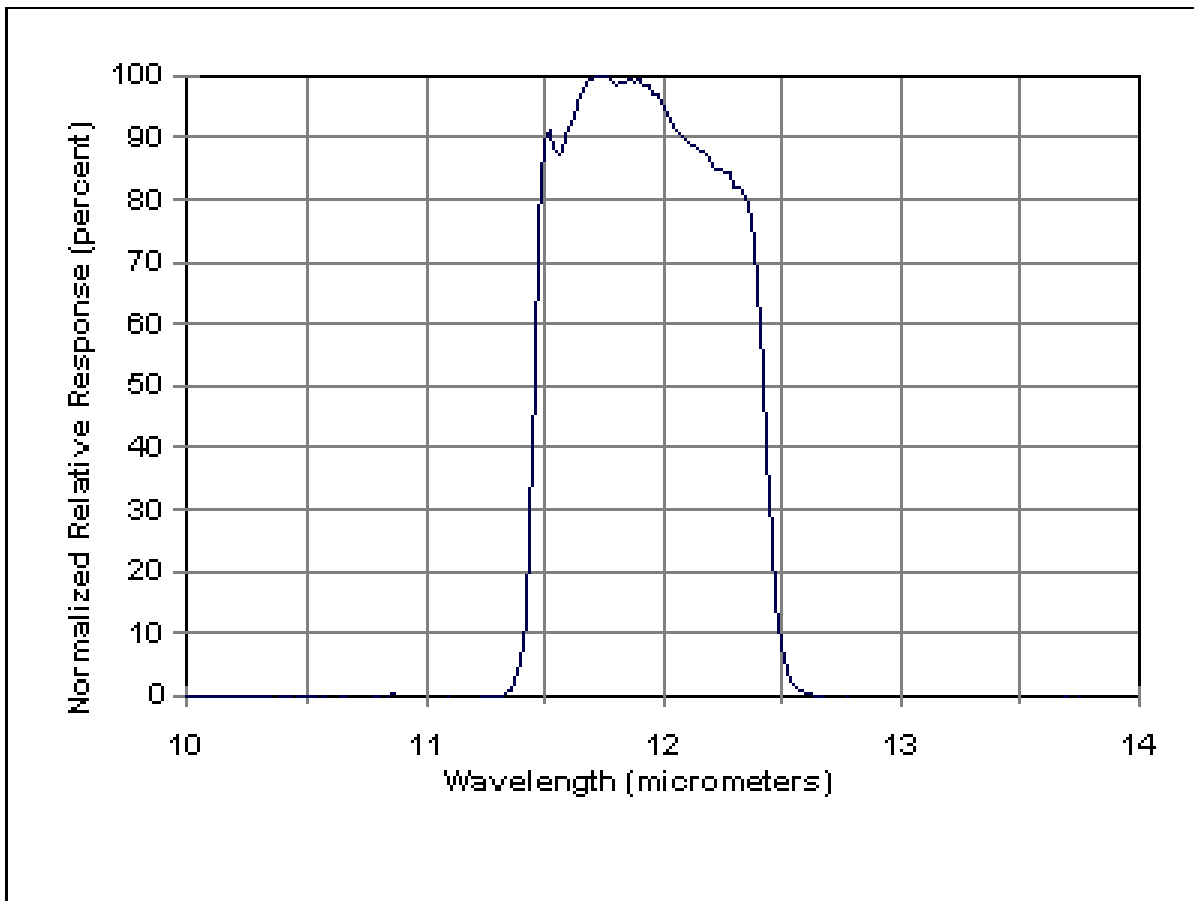


Figure D.3-6. Spectral Response Curve for NOAA-17 Channel 5

HIRS:

Table D.3-10 contains the NOAA-17 HIRS/303 central wave numbers and band correction coefficients for the thermal channels.

Table D.3-10. NOAA-17 HIRS/303 Central Wave Numbers (n_c) and Band Correction Coefficients (b and c).			
Channel	n_c	b	c
1	668.87	-0.00024757	0.99999
2	679.96	-0.0012648	0.99997
3	691.41	0.014711	0.99992
4	702.73	0.18566	0.99992
5	715.70	0.019572	0.99990
6	731.82	0.020049	0.99991
7	748.04	0.027390	0.99989
8	899.91	0.096078	0.99966
9	1029.25	0.045279	0.99987
10	801.48	0.016530	0.99993
11	1365.25	0.072529	0.99982
12	1527.77	0.11069	0.99975
13	2185.43	0.021412	0.99992
14	2210.98	0.020369	0.99997
15	2232.98	0.021565	0.99996
16	2240.36	0.020399	0.99996
17	2417.09	0.038640	0.99999
18	2519.18	0.052706	0.99994
19	2657.70	0.31592	0.99960

Table D.3-11 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-17 HIRS/303 instrument.

Table D.3-11. NOAA-17 IWT PRT Count to Temperature Coefficients for HIRS/303.					
PRT	a_0	a_1	a_2	a_3	a_4
1	301.41859	0.006539867	8.909E-08	4.78771E-11	1.34536E-15
2	301.43106	0.006530633	8.7115E-08	4.73879E-11	1.44603E-15
3	301.42252	0.006533278	8.24857E-08	4.73017E-11	1.60991E-15
4	301.38868	0.006524437	8.03802E-08	4.7093E-11	1.69764E-15

Table D.3-12 contains the secondary telescope temperature coefficients for the NOAA-17 HIRS/303 instrument.

Table D.3-12. NOAA-17 HIRS/303 Secondary Telescope Temperature Coefficients.				
a_0	a_1	a_2	a_3	a_4

260.29119	0.01693469	-2.41317E-06	4.01919E-10	1.17566E-14
-----------	------------	--------------	-------------	-------------

Table D.3-13 contains the actual filter functions for NOAA-17 HIRS/303. This information may also be downloaded at the following website:
<http://www.orbit.nesdis.noaa.gov/smcd/spb/calibration/hirs/srf/hirssrf.html>.

Table D.3-13. Normalized Response Functions for the NOAA-17 HIRS/303 Thermal Channels.				
Channel 1				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.76800E+02	0.00000E+00	9.68610E-02	0.00000E+00	0.00000E+00
6.76600E+02	1.00000E-03	9.61950E-02	9.61950E-05	3.76110E-03
6.76050E+02	3.25000E-03	9.43910E-02	3.06770E-04	1.19940E-02
6.75500E+02	5.50000E-03	9.26050E-02	5.09330E-04	1.99140E-02
6.74950E+02	7.75000E-03	9.08370E-02	7.03990E-04	2.75250E-02
6.74400E+02	1.00000E-02	8.90860E-02	8.90860E-04	3.48310E-02
6.73200E+02	1.24000E-02	8.53060E-02	1.05780E-03	4.13580E-02
6.73000E+02	1.68000E-02	8.46830E-02	1.42270E-03	5.56240E-02
6.72800E+02	1.80000E-02	8.40380E-02	1.51270E-03	5.91440E-02
6.72600E+02	1.73000E-02	8.33960E-02	1.44280E-03	5.64090E-02
6.72400E+02	2.30000E-02	8.27560E-02	1.90340E-03	7.44190E-02
6.72200E+02	3.35000E-02	8.21190E-02	2.75100E-03	1.07560E-01
6.72000E+02	4.54000E-02	8.14850E-02	3.69940E-03	1.44640E-01
6.71800E+02	5.35000E-02	8.08530E-02	4.32570E-03	1.69130E-01
6.71600E+02	6.16000E-02	8.02240E-02	4.94180E-03	1.93220E-01
6.71400E+02	7.30000E-02	7.95970E-02	5.81060E-03	2.27190E-01
6.71200E+02	9.55000E-02	7.89730E-02	7.54190E-03	2.94880E-01
6.71000E+02	1.24300E-01	7.83520E-02	9.73920E-03	3.80790E-01
6.70800E+02	1.56200E-01	7.77330E-02	1.21420E-02	4.74730E-01
6.70600E+02	1.86200E-01	7.71170E-02	1.43590E-02	5.61420E-01
6.70400E+02	2.17600E-01	7.65030E-02	1.66470E-02	6.50870E-01
6.70200E+02	2.47300E-01	7.58920E-02	1.87680E-02	7.33800E-01
6.70000E+02	2.77200E-01	7.52830E-02	2.08680E-02	8.15930E-01
6.69800E+02	3.07100E-01	7.47650E-02	2.29600E-02	8.97710E-01
6.69600E+02	3.32100E-01	7.42490E-02	2.46580E-02	9.64090E-01
6.69400E+02	3.45100E-01	7.37340E-02	2.54460E-02	9.94880E-01
6.69200E+02	3.49300E-01	7.32220E-02	2.55760E-02	1.00000E+00
6.69000E+02	3.46700E-01	7.27120E-02	2.52090E-02	9.85650E-01
6.68800E+02	3.38200E-01	7.22000E-02	2.44180E-02	9.54710E-01
6.68600E+02	3.23500E-01	7.16910E-02	2.31920E-02	9.06770E-01
6.68400E+02	3.04600E-01	7.11830E-02	2.16820E-02	8.47750E-01
6.68200E+02	2.79800E-01	7.06780E-02	1.97760E-02	7.73200E-01
6.68000E+02	2.50900E-01	7.01750E-02	1.76070E-02	6.88400E-01
6.67800E+02	2.18900E-01	6.95950E-02	1.52340E-02	5.95640E-01
6.67600E+02	1.88500E-01	6.90180E-02	1.30100E-02	5.08660E-01

6.67400E+02	1.70400E-01	6.84430E-02	1.16630E-02	4.55990E-01
6.67200E+02	1.61000E-01	6.78720E-02	1.09270E-02	4.27250E-01
6.67000E+02	1.44900E-01	6.73040E-02	9.75240E-03	3.81300E-01
6.66800E+02	1.23700E-01	6.67400E-02	8.25570E-03	3.22790E-01
6.66600E+02	1.09600E-01	6.61780E-02	7.25310E-03	2.83590E-01
6.66400E+02	1.01300E-01	6.56190E-02	6.64720E-03	2.59890E-01
6.66200E+02	8.87000E-02	6.50630E-02	5.77110E-03	2.25640E-01
6.66000E+02	7.55000E-02	6.45110E-02	4.87050E-03	1.90430E-01
6.65800E+02	6.68000E-02	6.39610E-02	4.27260E-03	1.67050E-01
6.65600E+02	5.94000E-02	6.34150E-02	3.76680E-03	1.47280E-01
6.65400E+02	5.50000E-02	6.28700E-02	3.45790E-03	1.35200E-01
6.65200E+02	5.23000E-02	6.23300E-02	3.25980E-03	1.27460E-01
6.65000E+02	5.00000E-02	6.17920E-02	3.08960E-03	1.20800E-01
6.64800E+02	4.20000E-02	6.12580E-02	2.57280E-03	1.00590E-01
6.64600E+02	3.46000E-02	6.07260E-02	2.10110E-03	8.21500E-02
6.64400E+02	2.83000E-02	6.01960E-02	1.70360E-03	6.66070E-02
6.64200E+02	2.57000E-02	5.96710E-02	1.53350E-03	5.99590E-02
6.64000E+02	2.25000E-02	5.91480E-02	1.33080E-03	5.20330E-02
6.63800E+02	1.91000E-02	5.86250E-02	1.11970E-03	4.37800E-02
6.63600E+02	1.34000E-02	5.81050E-02	7.78600E-04	3.04420E-02
6.62800E+02	1.00000E-02	5.60230E-02	5.60230E-04	2.19040E-02
6.62050E+02	7.75000E-03	5.39960E-02	4.18470E-04	1.63620E-02
6.61300E+02	5.50000E-03	5.20180E-02	2.86100E-04	1.11860E-02
6.60550E+02	3.25000E-03	5.00870E-02	1.62780E-04	6.36460E-03
6.59800E+02	1.00000E-03	4.82030E-02	4.82030E-05	1.88470E-03
6.59600E+02	0.00000E+00	4.77090E-02	0.00000E+00	0.00000E+00
Channel 2				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.97800E+02	0.00000E+00	1.90310E-01	0.00000E+00	0.00000E+00
6.97700E+02	1.00000E-03	1.89890E-01	1.89890E-04	2.46560E-03
6.96230E+02	3.25000E-03	1.83440E-01	5.96180E-04	7.74120E-03
6.94750E+02	5.50000E-03	1.76640E-01	9.71490E-04	1.26150E-02
6.93270E+02	7.75000E-03	1.69980E-01	1.31730E-03	1.71050E-02
6.91800E+02	1.00000E-02	1.63400E-01	1.63400E-03	2.12170E-02
6.90900E+02	1.20000E-02	1.59450E-01	1.91340E-03	2.48450E-02
6.90700E+02	1.60000E-02	1.58580E-01	2.53730E-03	3.29460E-02
6.90500E+02	1.76000E-02	1.57720E-01	2.77580E-03	3.60430E-02
6.90300E+02	1.58000E-02	1.56850E-01	2.47830E-03	3.21790E-02
6.90100E+02	1.50000E-02	1.55990E-01	2.33990E-03	3.03830E-02
6.89900E+02	1.55000E-02	1.55090E-01	2.40390E-03	3.12140E-02
6.89700E+02	1.87000E-02	1.54190E-01	2.88330E-03	3.74390E-02
6.89500E+02	2.44000E-02	1.53290E-01	3.74020E-03	4.85650E-02
6.89300E+02	2.72000E-02	1.52390E-01	4.14490E-03	5.38210E-02
6.89100E+02	3.00000E-02	1.51490E-01	4.54480E-03	5.90130E-02
6.88900E+02	3.90000E-02	1.50600E-01	5.87330E-03	7.62630E-02

6.88700E+02	5.09000E-02	1.49700E-01	7.61990E-03	9.89420E-02
6.88500E+02	5.44000E-02	1.48810E-01	8.09540E-03	1.05120E-01
6.88300E+02	5.62000E-02	1.47930E-01	8.31340E-03	1.07950E-01
6.88100E+02	6.41000E-02	1.47040E-01	9.42530E-03	1.22380E-01
6.87900E+02	7.52000E-02	1.46090E-01	1.09860E-02	1.42650E-01
6.87700E+02	8.69000E-02	1.45080E-01	1.26070E-02	1.63700E-01
6.87500E+02	9.89000E-02	1.44070E-01	1.42490E-02	1.85020E-01
6.87300E+02	1.11100E-01	1.43070E-01	1.58950E-02	2.06390E-01
6.87100E+02	1.25400E-01	1.42070E-01	1.78160E-02	2.31340E-01
6.86900E+02	1.45900E-01	1.41080E-01	2.05840E-02	2.67270E-01
6.86700E+02	1.66900E-01	1.40090E-01	2.33810E-02	3.03600E-01
6.86500E+02	1.84800E-01	1.39110E-01	2.57070E-02	3.33800E-01
6.86300E+02	2.01900E-01	1.38130E-01	2.78880E-02	3.62120E-01
6.86100E+02	2.22900E-01	1.37150E-01	3.05710E-02	3.96960E-01
6.85900E+02	2.50000E-01	1.36180E-01	3.40450E-02	4.42070E-01
6.85700E+02	2.84200E-01	1.35220E-01	3.84280E-02	4.98980E-01
6.85500E+02	3.22000E-01	1.34250E-01	4.32300E-02	5.61320E-01
6.85300E+02	3.56800E-01	1.33300E-01	4.75600E-02	6.17550E-01
6.85100E+02	3.91200E-01	1.32340E-01	5.17730E-02	6.72250E-01
6.84900E+02	4.25500E-01	1.31390E-01	5.59080E-02	7.25950E-01
6.84700E+02	4.60000E-01	1.30450E-01	6.00070E-02	7.79170E-01
6.84500E+02	4.88500E-01	1.29510E-01	6.32660E-02	8.21490E-01
6.84300E+02	5.13900E-01	1.28570E-01	6.60750E-02	8.57960E-01
6.84100E+02	5.38300E-01	1.27640E-01	6.87110E-02	8.92190E-01
6.83900E+02	5.63000E-01	1.26710E-01	7.13390E-02	9.26320E-01
6.83700E+02	5.84900E-01	1.25780E-01	7.35710E-02	9.55300E-01
6.83500E+02	6.02300E-01	1.24860E-01	7.52030E-02	9.76490E-01
6.83300E+02	6.15400E-01	1.23930E-01	7.62660E-02	9.90290E-01
6.83100E+02	6.25000E-01	1.22990E-01	7.68710E-02	9.98140E-01
6.82900E+02	6.30900E-01	1.22070E-01	7.70140E-02	1.00000E+00
6.82700E+02	6.32800E-01	1.21160E-01	7.66700E-02	9.95540E-01
6.82500E+02	6.31900E-01	1.20260E-01	7.59900E-02	9.86700E-01
6.82300E+02	6.30900E-01	1.19360E-01	7.53010E-02	9.77760E-01
6.82100E+02	6.27200E-01	1.18460E-01	7.42970E-02	9.64730E-01
6.81900E+02	6.22400E-01	1.17570E-01	7.31730E-02	9.50120E-01
6.81700E+02	6.16000E-01	1.16680E-01	7.18730E-02	9.33250E-01
6.81500E+02	6.14800E-01	1.15790E-01	7.11890E-02	9.24370E-01
6.81300E+02	6.13900E-01	1.14910E-01	7.05450E-02	9.16000E-01
6.81100E+02	6.10800E-01	1.14040E-01	6.96540E-02	9.04430E-01
6.80900E+02	5.99700E-01	1.13160E-01	6.78650E-02	8.81200E-01
6.80700E+02	5.93200E-01	1.12300E-01	6.66140E-02	8.64970E-01
6.80500E+02	5.91000E-01	1.11430E-01	6.58570E-02	8.55130E-01
6.80300E+02	5.93700E-01	1.10570E-01	6.56480E-02	8.52410E-01
6.80100E+02	5.94000E-01	1.09720E-01	6.51730E-02	8.46250E-01
6.79900E+02	5.96200E-01	1.08870E-01	6.49060E-02	8.42780E-01
6.79700E+02	5.98400E-01	1.08020E-01	6.46380E-02	8.39310E-01
6.79500E+02	5.99800E-01	1.07180E-01	6.42840E-02	8.34700E-01
6.79300E+02	5.96800E-01	1.06340E-01	6.34610E-02	8.24020E-01
6.79100E+02	5.91500E-01	1.05500E-01	6.24040E-02	8.10290E-01

6.78900E+02	5.89100E-01	1.04670E-01	6.16590E-02	8.00620E-01
6.78700E+02	5.90100E-01	1.03830E-01	6.12720E-02	7.95590E-01
6.78500E+02	5.92600E-01	1.03000E-01	6.10400E-02	7.92590E-01
6.78300E+02	5.93500E-01	1.02180E-01	6.06440E-02	7.87440E-01
6.78100E+02	5.96500E-01	1.01360E-01	6.04610E-02	7.85060E-01
6.77900E+02	6.01500E-01	1.00610E-01	6.05140E-02	7.85760E-01
6.77700E+02	6.01000E-01	9.99190E-02	6.00520E-02	7.79750E-01
6.77500E+02	5.98600E-01	9.92360E-02	5.94020E-02	7.71320E-01
6.77300E+02	5.98200E-01	9.85540E-02	5.89550E-02	7.65510E-01
6.77100E+02	5.99900E-01	9.78750E-02	5.87150E-02	7.62400E-01
6.76900E+02	5.96600E-01	9.71980E-02	5.79880E-02	7.52960E-01
6.76700E+02	5.91500E-01	9.65240E-02	5.70940E-02	7.41350E-01
6.76500E+02	5.86100E-01	9.58650E-02	5.61870E-02	7.29560E-01
6.76300E+02	5.79700E-01	9.52090E-02	5.51920E-02	7.16660E-01
6.76100E+02	5.69200E-01	9.45550E-02	5.38200E-02	6.98840E-01
6.75900E+02	5.55500E-01	9.39020E-02	5.21630E-02	6.77310E-01
6.75700E+02	5.46600E-01	9.32520E-02	5.09720E-02	6.61850E-01
6.75500E+02	5.41100E-01	9.26050E-02	5.01090E-02	6.50650E-01
6.75300E+02	5.31200E-01	9.19600E-02	4.88490E-02	6.34290E-01
6.75100E+02	5.13700E-01	9.13180E-02	4.69100E-02	6.09110E-01
6.74900E+02	4.95500E-01	9.06770E-02	4.49300E-02	5.83410E-01
6.74700E+02	4.80500E-01	9.00390E-02	4.32640E-02	5.61770E-01
6.74500E+02	4.65300E-01	8.94030E-02	4.15990E-02	5.40150E-01
6.74300E+02	4.45300E-01	8.87700E-02	3.95290E-02	5.13270E-01
6.74100E+02	4.21200E-01	8.81390E-02	3.71240E-02	4.82040E-01
6.73900E+02	4.01200E-01	8.75060E-02	3.51080E-02	4.55860E-01
6.73700E+02	3.83300E-01	8.68750E-02	3.32990E-02	4.32380E-01
6.73500E+02	3.65600E-01	8.62460E-02	3.15310E-02	4.09430E-01
6.73300E+02	3.43600E-01	8.56190E-02	2.94190E-02	3.81990E-01
6.73100E+02	3.22400E-01	8.49940E-02	2.74020E-02	3.55810E-01
6.72900E+02	2.99800E-01	8.43600E-02	2.52910E-02	3.28400E-01
6.72700E+02	2.76400E-01	8.37160E-02	2.31390E-02	3.00460E-01
6.72500E+02	2.49200E-01	8.30760E-02	2.07020E-02	2.68810E-01
6.72300E+02	2.26900E-01	8.24380E-02	1.87050E-02	2.42880E-01
6.72100E+02	2.11100E-01	8.18020E-02	1.72680E-02	2.24220E-01
6.71900E+02	1.96400E-01	8.11680E-02	1.59410E-02	2.07000E-01
6.71700E+02	1.76900E-01	8.05380E-02	1.42470E-02	1.85000E-01
6.71500E+02	1.57900E-01	7.99100E-02	1.26180E-02	1.63840E-01
6.71300E+02	1.42900E-01	7.92850E-02	1.13300E-02	1.47110E-01
6.71100E+02	1.31900E-01	7.86630E-02	1.03760E-02	1.34720E-01
6.70900E+02	1.22100E-01	7.80420E-02	9.52890E-03	1.23730E-01
6.70700E+02	1.10300E-01	7.74240E-02	8.53990E-03	1.10890E-01
6.70500E+02	9.60000E-02	7.68100E-02	7.37370E-03	9.57450E-02
6.70300E+02	8.33000E-02	7.61970E-02	6.34720E-03	8.24170E-02
6.70100E+02	7.75000E-02	7.55870E-02	5.85800E-03	7.60650E-02
6.69900E+02	7.19000E-02	7.50230E-02	5.39420E-03	7.00420E-02
6.69700E+02	6.28000E-02	7.45060E-02	4.67900E-03	6.07550E-02
6.69500E+02	5.39000E-02	7.39910E-02	3.98810E-03	5.17840E-02
6.69300E+02	5.33000E-02	7.34780E-02	3.91640E-03	5.08530E-02

6.69100E+02	5.20000E-02	7.29670E-02	3.79430E-03	4.92680E-02
6.68900E+02	4.42000E-02	7.24560E-02	3.20250E-03	4.15840E-02
6.68700E+02	3.63000E-02	7.19450E-02	2.61160E-03	3.39110E-02
6.68500E+02	3.47000E-02	7.14370E-02	2.47890E-03	3.21870E-02
6.68300E+02	3.14000E-02	7.09300E-02	2.22720E-03	2.89200E-02
6.68100E+02	2.54000E-02	7.04260E-02	1.78880E-03	2.32270E-02
6.67900E+02	1.86000E-02	6.98840E-02	1.29980E-03	1.68780E-02
6.67700E+02	1.42000E-02	6.93050E-02	9.84140E-04	1.27790E-02
6.67500E+02	1.37000E-02	6.87300E-02	9.41600E-04	1.22260E-02
6.67300E+02	2.11000E-02	6.81580E-02	1.43810E-03	1.86740E-02
6.67100E+02	2.53000E-02	6.75880E-02	1.71000E-03	2.22040E-02
6.66900E+02	1.87000E-02	6.70210E-02	1.25330E-03	1.62740E-02
6.66600E+02	1.54000E-02	6.61780E-02	1.01910E-03	1.32330E-02
6.66400E+02	1.00000E-02	6.56190E-02	6.56190E-04	8.52040E-03
6.64770E+02	7.75000E-03	6.11910E-02	4.74230E-04	6.15770E-03
6.63150E+02	5.50000E-03	5.69500E-02	3.13220E-04	4.06710E-03
6.61520E+02	3.25000E-03	5.26060E-02	1.70970E-04	2.22000E-03
6.59900E+02	1.00000E-03	4.84510E-02	4.84510E-05	6.29130E-04
6.59800E+02	0.00000E+00	4.82030E-02	0.00000E+00	0.00000E+00
Channel 3				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.12070E+02	0.00000E+00	2.40200E-01	0.00000E+00	0.00000E+00
7.11570E+02	1.00000E-03	2.39180E-01	2.39180E-04	2.33720E-03
7.09920E+02	3.25000E-03	2.35510E-01	7.65400E-04	7.47940E-03
7.08270E+02	5.50000E-03	2.30370E-01	1.26710E-03	1.23810E-02
7.06620E+02	7.75000E-03	2.24360E-01	1.73880E-03	1.69910E-02
7.04970E+02	1.00000E-02	2.18280E-01	2.18280E-03	2.13300E-02
7.04570E+02	1.16000E-02	2.16820E-01	2.51510E-03	2.45770E-02
7.04070E+02	1.34000E-02	2.15010E-01	2.88110E-03	2.81530E-02
7.03570E+02	1.62000E-02	2.13190E-01	3.45380E-03	3.37490E-02
7.03070E+02	2.11000E-02	2.11230E-01	4.45690E-03	4.35520E-02
7.02570E+02	2.94000E-02	2.09200E-01	6.15040E-03	6.01010E-02
7.02070E+02	3.93000E-02	2.07170E-01	8.14180E-03	7.95600E-02
7.01570E+02	4.96000E-02	2.05160E-01	1.01760E-02	9.94360E-02
7.01070E+02	6.09000E-02	2.03160E-01	1.23720E-02	1.20900E-01
7.00570E+02	7.81000E-02	2.01170E-01	1.57110E-02	1.53530E-01
7.00070E+02	1.04100E-01	1.99190E-01	2.07360E-02	2.02630E-01
6.99570E+02	1.39500E-01	1.97230E-01	2.75130E-02	2.68850E-01
6.99070E+02	1.83200E-01	1.95270E-01	3.57740E-02	3.49580E-01
6.98570E+02	2.34300E-01	1.93340E-01	4.52990E-02	4.42660E-01
6.98070E+02	2.91900E-01	1.91420E-01	5.58740E-02	5.45990E-01
6.97570E+02	3.53400E-01	1.89340E-01	6.69130E-02	6.53860E-01
6.97070E+02	4.16400E-01	1.87250E-01	7.79730E-02	7.61930E-01
6.96570E+02	4.75100E-01	1.85050E-01	8.79190E-02	8.59120E-01
6.96070E+02	5.22700E-01	1.82720E-01	9.55060E-02	9.33270E-01

6.95570E+02	5.55800E-01	1.80400E-01	1.00270E-01	9.79770E-01
6.95070E+02	5.74600E-01	1.78100E-01	1.02340E-01	1.00000E+00
6.94570E+02	5.79800E-01	1.75820E-01	1.01940E-01	9.96120E-01
6.94070E+02	5.74800E-01	1.73550E-01	9.97570E-02	9.74810E-01
6.93570E+02	5.64300E-01	1.71300E-01	9.66640E-02	9.44590E-01
6.93070E+02	5.49400E-01	1.69060E-01	9.28840E-02	9.07650E-01
6.92570E+02	5.30000E-01	1.66820E-01	8.84160E-02	8.63980E-01
6.92070E+02	5.09500E-01	1.64590E-01	8.38610E-02	8.19470E-01
6.91570E+02	4.94800E-01	1.62380E-01	8.03480E-02	7.85140E-01
6.91070E+02	4.85500E-01	1.60190E-01	7.77730E-02	7.59990E-01
6.90570E+02	4.77600E-01	1.58020E-01	7.54700E-02	7.37470E-01
6.90070E+02	4.70500E-01	1.55860E-01	7.33310E-02	7.16580E-01
6.89570E+02	4.65500E-01	1.53600E-01	7.15010E-02	6.98700E-01
6.89070E+02	4.65200E-01	1.51360E-01	7.04120E-02	6.88050E-01
6.88570E+02	4.66500E-01	1.49120E-01	6.95660E-02	6.79790E-01
6.88070E+02	4.63000E-01	1.46910E-01	6.80180E-02	6.64660E-01
6.87570E+02	4.53300E-01	1.44430E-01	6.54680E-02	6.39740E-01
6.87070E+02	4.42900E-01	1.41920E-01	6.28580E-02	6.14240E-01
6.86570E+02	4.35200E-01	1.39450E-01	6.06890E-02	5.93040E-01
6.86070E+02	4.26000E-01	1.37010E-01	5.83650E-02	5.70330E-01
6.85570E+02	4.10900E-01	1.34590E-01	5.53030E-02	5.40410E-01
6.85070E+02	3.87400E-01	1.32200E-01	5.12150E-02	5.00460E-01
6.84570E+02	3.60600E-01	1.29840E-01	4.68200E-02	4.57510E-01
6.84070E+02	3.35900E-01	1.27500E-01	4.28290E-02	4.18510E-01
6.83570E+02	3.11300E-01	1.25180E-01	3.89700E-02	3.80800E-01
6.83070E+02	2.85200E-01	1.22850E-01	3.50380E-02	3.42380E-01
6.82570E+02	2.54600E-01	1.20570E-01	3.06980E-02	2.99970E-01
6.82070E+02	2.20100E-01	1.18320E-01	2.60430E-02	2.54490E-01
6.81570E+02	1.87300E-01	1.16100E-01	2.17460E-02	2.12500E-01
6.81070E+02	1.60700E-01	1.13910E-01	1.83050E-02	1.78870E-01
6.80570E+02	1.37200E-01	1.11740E-01	1.53300E-02	1.49800E-01
6.80070E+02	1.14900E-01	1.09590E-01	1.25920E-02	1.23050E-01
6.79570E+02	9.53000E-02	1.07470E-01	1.02420E-02	1.00080E-01
6.79070E+02	7.80000E-02	1.05380E-01	8.21930E-03	8.03170E-02
6.78570E+02	6.41000E-02	1.03290E-01	6.62120E-03	6.47010E-02
6.78070E+02	5.48000E-02	1.01240E-01	5.54770E-03	5.42110E-02
6.77570E+02	4.91000E-02	9.94750E-02	4.88420E-03	4.77280E-02
6.77070E+02	4.13000E-02	9.77740E-02	4.03800E-03	3.94590E-02
6.76570E+02	2.88000E-02	9.60960E-02	2.76760E-03	2.70440E-02
6.76070E+02	1.78000E-02	9.44570E-02	1.68130E-03	1.64300E-02
6.75570E+02	1.39000E-02	9.28320E-02	1.29040E-03	1.26090E-02
6.75070E+02	1.51000E-02	9.12220E-02	1.37740E-03	1.34600E-02
6.74570E+02	1.57000E-02	8.96260E-02	1.40710E-03	1.37500E-02
6.74070E+02	1.00000E-02	8.80440E-02	8.80440E-04	8.60350E-03
6.72220E+02	7.75000E-03	8.21830E-02	6.36920E-04	6.22380E-03
6.70370E+02	5.50000E-03	7.64110E-02	4.20260E-04	4.10670E-03
6.68520E+02	3.25000E-03	7.14880E-02	2.32330E-04	2.27030E-03
6.66670E+02	1.00000E-03	6.63740E-02	6.63740E-05	6.48590E-04
6.66570E+02	0.00000E+00	6.60940E-02	0.00000E+00	0.00000E+00

Channel 4				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.22100E+02	0.00000E+00	2.52810E-01	0.00000E+00	0.00000E+00
7.21800E+02	2.00000E-03	2.52590E-01	5.05180E-04	3.15480E-03
7.21500E+02	3.00000E-03	2.52370E-01	7.57110E-04	4.72800E-03
7.21200E+02	5.00000E-03	2.52150E-01	1.26070E-03	7.87320E-03
7.20900E+02	6.00000E-03	2.51930E-01	1.51160E-03	9.43960E-03
7.20600E+02	6.00000E-03	2.51710E-01	1.51030E-03	9.43140E-03
7.20300E+02	6.00000E-03	2.51490E-01	1.50890E-03	9.42310E-03
7.20000E+02	6.00000E-03	2.51270E-01	1.50760E-03	9.41490E-03
7.19700E+02	6.00000E-03	2.51050E-01	1.50630E-03	9.40670E-03
7.19400E+02	6.00000E-03	2.50830E-01	1.50500E-03	9.39850E-03
7.19100E+02	6.00000E-03	2.50620E-01	1.50370E-03	9.39030E-03
7.18800E+02	7.00000E-03	2.50390E-01	1.75270E-03	1.09460E-02
7.18500E+02	9.00000E-03	2.50170E-01	2.25150E-03	1.40600E-02
7.18200E+02	1.20000E-02	2.49940E-01	2.99930E-03	1.87300E-02
7.17900E+02	1.30000E-02	2.49710E-01	3.24620E-03	2.02720E-02
7.17600E+02	1.50000E-02	2.49470E-01	3.74200E-03	2.33680E-02
7.17300E+02	1.60000E-02	2.49230E-01	3.98760E-03	2.49020E-02
7.17000E+02	1.80000E-02	2.48980E-01	4.48170E-03	2.79880E-02
7.16700E+02	2.00000E-02	2.48550E-01	4.97110E-03	3.10440E-02
7.16400E+02	2.40000E-02	2.48030E-01	5.95280E-03	3.71740E-02
7.16100E+02	2.70000E-02	2.47510E-01	6.68280E-03	4.17330E-02
7.15800E+02	3.10000E-02	2.46990E-01	7.65660E-03	4.78150E-02
7.15500E+02	3.60000E-02	2.46470E-01	8.87280E-03	5.54090E-02
7.15200E+02	4.20000E-02	2.45950E-01	1.03300E-02	6.45080E-02
7.14900E+02	4.80000E-02	2.45430E-01	1.17810E-02	7.35680E-02
7.14600E+02	5.50000E-02	2.44910E-01	1.34700E-02	8.41180E-02
7.14300E+02	6.30000E-02	2.44390E-01	1.53970E-02	9.61500E-02
7.14000E+02	7.00000E-02	2.43870E-01	1.70710E-02	1.06610E-01
7.13700E+02	7.80000E-02	2.43350E-01	1.89810E-02	1.18530E-01
7.13400E+02	9.30000E-02	2.42820E-01	2.25820E-02	1.41020E-01
7.13100E+02	1.07000E-01	2.42300E-01	2.59260E-02	1.61900E-01
7.12800E+02	1.20000E-01	2.41710E-01	2.90050E-02	1.81130E-01
7.12500E+02	1.39000E-01	2.41090E-01	3.35120E-02	2.09270E-01
7.12200E+02	1.52000E-01	2.40470E-01	3.65520E-02	2.28260E-01
7.11900E+02	1.79000E-01	2.39850E-01	4.29340E-02	2.68120E-01
7.11600E+02	2.00000E-01	2.39240E-01	4.78480E-02	2.98800E-01
7.11300E+02	2.23000E-01	2.38620E-01	5.32130E-02	3.32310E-01
7.11000E+02	2.44000E-01	2.38010E-01	5.80740E-02	3.62670E-01
7.10700E+02	2.75000E-01	2.37400E-01	6.52840E-02	4.07690E-01
7.10400E+02	2.99000E-01	2.36790E-01	7.07990E-02	4.42130E-01
7.10100E+02	3.27000E-01	2.36070E-01	7.71940E-02	4.82070E-01
7.09800E+02	3.55000E-01	2.35140E-01	8.34730E-02	5.21280E-01
7.09500E+02	3.83000E-01	2.34200E-01	8.97000E-02	5.60160E-01

7.09200E+02	4.18000E-01	2.33270E-01	9.75080E-02	6.08920E-01
7.08900E+02	4.49000E-01	2.32340E-01	1.04320E-01	6.51470E-01
7.08600E+02	4.73000E-01	2.31400E-01	1.09450E-01	6.83520E-01
7.08300E+02	4.99000E-01	2.30470E-01	1.15000E-01	7.18180E-01
7.08000E+02	5.31000E-01	2.29530E-01	1.21880E-01	7.61140E-01
7.07700E+02	5.51000E-01	2.28400E-01	1.25850E-01	7.85910E-01
7.07400E+02	5.71000E-01	2.27270E-01	1.29770E-01	8.10420E-01
7.07100E+02	6.03000E-01	2.26150E-01	1.36370E-01	8.51610E-01
7.06800E+02	6.21000E-01	2.25030E-01	1.39740E-01	8.72680E-01
7.06500E+02	6.40000E-01	2.23910E-01	1.43300E-01	8.94920E-01
7.06200E+02	6.58000E-01	2.22800E-01	1.46600E-01	9.15510E-01
7.05900E+02	6.74000E-01	2.21690E-01	1.49420E-01	9.33110E-01
7.05600E+02	6.87000E-01	2.20590E-01	1.51540E-01	9.46360E-01
7.05300E+02	7.03000E-01	2.19480E-01	1.54300E-01	9.63570E-01
7.05000E+02	7.16000E-01	2.18390E-01	1.56360E-01	9.76470E-01
7.04700E+02	7.26000E-01	2.17290E-01	1.57750E-01	9.85150E-01
7.04400E+02	7.34000E-01	2.16200E-01	1.58690E-01	9.91000E-01
7.04100E+02	7.43000E-01	2.15110E-01	1.59830E-01	9.98120E-01
7.03800E+02	7.48000E-01	2.14030E-01	1.60090E-01	9.99750E-01
7.03500E+02	7.52000E-01	2.12940E-01	1.60130E-01	1.00000E+00
7.03200E+02	7.55000E-01	2.11750E-01	1.59870E-01	9.98350E-01
7.02900E+02	7.58000E-01	2.10540E-01	1.59590E-01	9.96620E-01
7.02600E+02	7.57000E-01	2.09320E-01	1.58460E-01	9.89530E-01
7.02300E+02	7.56000E-01	2.08100E-01	1.57320E-01	9.82470E-01
7.02000E+02	7.55000E-01	2.06890E-01	1.56200E-01	9.75450E-01
7.01700E+02	7.54000E-01	2.05680E-01	1.55080E-01	9.68470E-01
7.01400E+02	7.51000E-01	2.04480E-01	1.53560E-01	9.58960E-01
7.01100E+02	7.49000E-01	2.03280E-01	1.52250E-01	9.50800E-01
7.00800E+02	7.47000E-01	2.02080E-01	1.50950E-01	9.42690E-01
7.00500E+02	7.44000E-01	2.00890E-01	1.49460E-01	9.33370E-01
7.00200E+02	7.41000E-01	1.99700E-01	1.47980E-01	9.24110E-01
6.99900E+02	7.40000E-01	1.98520E-01	1.46910E-01	9.17400E-01
6.99600E+02	7.37000E-01	1.97340E-01	1.45440E-01	9.08270E-01
6.99300E+02	7.33000E-01	1.96170E-01	1.43790E-01	8.97970E-01
6.99000E+02	7.30000E-01	1.95000E-01	1.42350E-01	8.88970E-01
6.98700E+02	7.26000E-01	1.93840E-01	1.40730E-01	8.78830E-01
6.98400E+02	7.18000E-01	1.92680E-01	1.38350E-01	8.63950E-01
6.98100E+02	7.12000E-01	1.91530E-01	1.36370E-01	8.51610E-01
6.97800E+02	7.03000E-01	1.90310E-01	1.33780E-01	8.35470E-01
6.97500E+02	6.91000E-01	1.89050E-01	1.30630E-01	8.15780E-01
6.97200E+02	6.72000E-01	1.87790E-01	1.26200E-01	7.88090E-01
6.96900E+02	6.53000E-01	1.86550E-01	1.21820E-01	7.60720E-01
6.96600E+02	6.25000E-01	1.85190E-01	1.15750E-01	7.22820E-01
6.96300E+02	6.00000E-01	1.83790E-01	1.10270E-01	6.88640E-01
6.96000E+02	5.65000E-01	1.82390E-01	1.03050E-01	6.43540E-01
6.95700E+02	5.34000E-01	1.81000E-01	9.66530E-02	6.03590E-01
6.95400E+02	4.90000E-01	1.79610E-01	8.80110E-02	5.49610E-01
6.95100E+02	4.48000E-01	1.78240E-01	7.98500E-02	4.98650E-01
6.94800E+02	4.14000E-01	1.76860E-01	7.32220E-02	4.57260E-01

6.94500E+02	3.72000E-01	1.75500E-01	6.52850E-02	4.07700E-01
6.94200E+02	3.33000E-01	1.74140E-01	5.79880E-02	3.62130E-01
6.93900E+02	2.93000E-01	1.72780E-01	5.06260E-02	3.16150E-01
6.93600E+02	2.52000E-01	1.71430E-01	4.32010E-02	2.69790E-01
6.93300E+02	2.22000E-01	1.70090E-01	3.77600E-02	2.35810E-01
6.93000E+02	1.93000E-01	1.68750E-01	3.25690E-02	2.03390E-01
6.92700E+02	1.63000E-01	1.67400E-01	2.72870E-02	1.70400E-01
6.92400E+02	1.40000E-01	1.66060E-01	2.32490E-02	1.45180E-01
6.92100E+02	1.20000E-01	1.64730E-01	1.97670E-02	1.23440E-01
6.91800E+02	1.02000E-01	1.63400E-01	1.66670E-02	1.04080E-01
6.91500E+02	8.90000E-02	1.62080E-01	1.44250E-02	9.00800E-02
6.91200E+02	7.50000E-02	1.60760E-01	1.20570E-02	7.52940E-02
6.90900E+02	6.30000E-02	1.59450E-01	1.00450E-02	6.27320E-02
6.90600E+02	5.40000E-02	1.58150E-01	8.54000E-03	5.33310E-02
6.90300E+02	4.50000E-02	1.56850E-01	7.05830E-03	4.40780E-02
6.90000E+02	3.80000E-02	1.55550E-01	5.91070E-03	3.69120E-02
6.89700E+02	3.20000E-02	1.54190E-01	4.93400E-03	3.08120E-02
6.89400E+02	2.90000E-02	1.52840E-01	4.43220E-03	2.76790E-02
6.89100E+02	2.90000E-02	1.51490E-01	4.39330E-03	2.74350E-02
6.88800E+02	2.70000E-02	1.50150E-01	4.05410E-03	2.53170E-02
6.88500E+02	2.40000E-02	1.48810E-01	3.57150E-03	2.23030E-02
6.88200E+02	1.90000E-02	1.47480E-01	2.80220E-03	1.74990E-02
6.87900E+02	1.30000E-02	1.46090E-01	1.89920E-03	1.18600E-02
6.87600E+02	1.00000E-02	1.44580E-01	1.44580E-03	9.02860E-03
6.87300E+02	7.00000E-03	1.43070E-01	1.00150E-03	6.25420E-03
6.87000E+02	6.00000E-03	1.41580E-01	8.49460E-04	5.30470E-03
6.86700E+02	5.00000E-03	1.40090E-01	7.00460E-04	4.37420E-03
6.86400E+02	6.00000E-03	1.38620E-01	8.31700E-04	5.19380E-03
6.86100E+02	8.00000E-03	1.37150E-01	1.09720E-03	6.85200E-03
6.85800E+02	1.00000E-02	1.35700E-01	1.35700E-03	8.47410E-03
6.85500E+02	9.00000E-03	1.34250E-01	1.20830E-03	7.54550E-03
6.85200E+02	7.00000E-03	1.32820E-01	9.29730E-04	5.80600E-03
6.84900E+02	3.00000E-03	1.31390E-01	3.94180E-04	2.46160E-03
6.84600E+02	2.00000E-03	1.29980E-01	2.59960E-04	1.62340E-03
6.84300E+02	2.00000E-03	1.28570E-01	2.57150E-04	1.60590E-03
6.84000E+02	1.00000E-03	1.27180E-01	1.27180E-04	7.94220E-04
6.83700E+02	1.00000E-03	1.25780E-01	1.25780E-04	7.85500E-04
6.83400E+02	1.00000E-03	1.24400E-01	1.24400E-04	7.76850E-04
6.83100E+02	5.00000E-03	1.22990E-01	6.14970E-04	3.84040E-03
6.82800E+02	6.00000E-03	1.21620E-01	7.29690E-04	4.55680E-03
6.82500E+02	5.00000E-03	1.20260E-01	6.01280E-04	3.75490E-03
6.82200E+02	2.00000E-03	1.18910E-01	2.37810E-04	1.48510E-03
6.81900E+02	0.00000E+00	1.17570E-01	0.00000E+00	0.00000E+00
Channel 5				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4

7.43500E+02	0.00000E+00	2.94260E-01	0.00000E+00	0.00000E+00
7.43260E+02	1.00000E-03	2.93600E-01	2.93600E-04	1.79100E-03
7.41100E+02	3.25000E-03	2.87730E-01	9.35130E-04	5.70450E-03
7.38940E+02	5.50000E-03	2.81940E-01	1.55070E-03	9.45950E-03
7.36770E+02	7.75000E-03	2.76490E-01	2.14280E-03	1.30710E-02
7.34610E+02	1.00000E-02	2.70870E-01	2.70870E-03	1.65240E-02
7.33710E+02	1.20000E-02	2.68560E-01	3.22270E-03	1.96590E-02
7.33210E+02	1.27000E-02	2.67280E-01	3.39450E-03	2.07070E-02
7.32710E+02	1.56000E-02	2.66030E-01	4.15010E-03	2.53160E-02
7.32210E+02	1.93000E-02	2.64800E-01	5.11060E-03	3.11760E-02
7.31710E+02	2.33000E-02	2.63570E-01	6.14120E-03	3.74620E-02
7.31210E+02	3.04000E-02	2.62340E-01	7.97530E-03	4.86510E-02
7.30710E+02	3.84000E-02	2.61120E-01	1.00270E-02	6.11680E-02
7.30210E+02	4.48000E-02	2.60010E-01	1.16480E-02	7.10570E-02
7.29710E+02	5.14000E-02	2.59370E-01	1.33310E-02	8.13240E-02
7.29210E+02	6.10000E-02	2.58730E-01	1.57830E-02	9.62780E-02
7.28710E+02	7.17000E-02	2.58100E-01	1.85060E-02	1.12890E-01
7.28210E+02	8.44000E-02	2.57470E-01	2.17310E-02	1.32560E-01
7.27710E+02	1.03500E-01	2.56990E-01	2.65980E-02	1.62260E-01
7.27210E+02	1.26700E-01	2.56610E-01	3.25120E-02	1.98330E-01
7.26710E+02	1.53100E-01	2.56230E-01	3.92290E-02	2.39300E-01
7.26210E+02	1.83100E-01	2.55850E-01	4.68460E-02	2.85770E-01
7.25710E+02	2.16800E-01	2.55470E-01	5.53860E-02	3.37870E-01
7.25210E+02	2.53800E-01	2.55090E-01	6.47430E-02	3.94940E-01
7.24710E+02	2.94300E-01	2.54720E-01	7.49630E-02	4.57290E-01
7.24210E+02	3.36500E-01	2.54340E-01	8.55850E-02	5.22090E-01
7.23710E+02	3.78100E-01	2.53960E-01	9.60210E-02	5.85750E-01
7.23210E+02	4.18800E-01	2.53610E-01	1.06210E-01	6.47920E-01
7.22710E+02	4.57900E-01	2.53260E-01	1.15970E-01	7.07420E-01
7.22210E+02	4.93300E-01	2.52890E-01	1.24750E-01	7.61010E-01
7.21710E+02	5.25900E-01	2.52520E-01	1.32800E-01	8.10120E-01
7.21210E+02	5.53600E-01	2.52160E-01	1.39590E-01	8.51550E-01
7.20710E+02	5.76500E-01	2.51790E-01	1.45160E-01	8.85490E-01
7.20210E+02	5.96300E-01	2.51430E-01	1.49920E-01	9.14580E-01
7.19710E+02	6.13000E-01	2.51060E-01	1.53900E-01	9.38820E-01
7.19210E+02	6.24600E-01	2.50700E-01	1.56580E-01	9.55200E-01
7.18710E+02	6.33400E-01	2.50320E-01	1.58560E-01	9.67220E-01
7.18210E+02	6.45100E-01	2.49950E-01	1.61240E-01	9.83610E-01
7.17710E+02	6.53100E-01	2.49560E-01	1.62990E-01	9.94250E-01
7.17210E+02	6.55900E-01	2.49150E-01	1.63420E-01	9.96900E-01
7.16710E+02	6.58900E-01	2.48570E-01	1.63780E-01	9.99120E-01
7.16210E+02	6.61800E-01	2.47700E-01	1.63930E-01	1.00000E+00
7.15710E+02	6.60100E-01	2.46830E-01	1.62930E-01	9.93930E-01
7.15210E+02	6.58300E-01	2.45960E-01	1.61920E-01	9.87740E-01
7.14710E+02	6.62100E-01	2.45100E-01	1.62280E-01	9.89940E-01
7.14210E+02	6.65100E-01	2.44240E-01	1.62440E-01	9.90930E-01
7.13710E+02	6.65100E-01	2.43370E-01	1.61860E-01	9.87400E-01
7.13210E+02	6.65100E-01	2.42490E-01	1.61280E-01	9.83850E-01
7.12710E+02	6.67900E-01	2.41520E-01	1.61310E-01	9.84050E-01

7.12210E+02	6.72200E-01	2.40490E-01	1.61660E-01	9.86160E-01
7.11710E+02	6.73600E-01	2.39460E-01	1.61300E-01	9.83980E-01
7.11210E+02	6.67800E-01	2.38440E-01	1.59230E-01	9.71340E-01
7.10710E+02	6.56200E-01	2.37420E-01	1.55790E-01	9.50370E-01
7.10210E+02	6.40500E-01	2.36400E-01	1.51410E-01	9.23660E-01
7.09710E+02	6.18000E-01	2.34860E-01	1.45140E-01	8.85390E-01
7.09210E+02	5.89600E-01	2.33300E-01	1.37560E-01	8.39120E-01
7.08710E+02	5.55300E-01	2.31750E-01	1.28690E-01	7.85030E-01
7.08210E+02	5.12200E-01	2.30190E-01	1.17900E-01	7.19230E-01
7.07710E+02	4.60500E-01	2.28440E-01	1.05200E-01	6.41720E-01
7.07210E+02	4.06600E-01	2.26560E-01	9.21200E-02	5.61950E-01
7.06710E+02	3.52300E-01	2.24700E-01	7.91600E-02	4.82890E-01
7.06210E+02	2.95400E-01	2.22840E-01	6.58260E-02	4.01550E-01
7.05710E+02	2.42800E-01	2.20990E-01	5.36570E-02	3.27320E-01
7.05210E+02	1.98900E-01	2.19150E-01	4.35900E-02	2.65910E-01
7.04710E+02	1.62800E-01	2.17330E-01	3.53810E-02	2.15830E-01
7.04210E+02	1.30500E-01	2.15510E-01	2.81240E-02	1.71560E-01
7.03710E+02	1.03400E-01	2.13700E-01	2.20970E-02	1.34790E-01
7.03210E+02	8.19000E-02	2.11780E-01	1.73450E-02	1.05810E-01
7.02710E+02	6.56000E-02	2.09770E-01	1.37610E-02	8.39430E-02
7.02210E+02	5.51000E-02	2.07740E-01	1.14460E-02	6.98250E-02
7.01710E+02	4.67000E-02	2.05720E-01	9.60710E-03	5.86060E-02
7.01210E+02	4.00000E-02	2.03710E-01	8.14860E-03	4.97080E-02
7.00710E+02	3.28000E-02	2.01720E-01	6.61650E-03	4.03620E-02
7.00210E+02	2.67000E-02	1.99740E-01	5.33310E-03	3.25330E-02
6.99710E+02	2.06000E-02	1.97780E-01	4.07420E-03	2.48530E-02
6.99210E+02	1.59000E-02	1.95820E-01	3.11350E-03	1.89930E-02
6.98710E+02	1.42000E-02	1.93880E-01	2.75310E-03	1.67940E-02
6.98210E+02	1.33000E-02	1.91950E-01	2.55300E-03	1.55740E-02
6.97710E+02	1.38000E-02	1.89930E-01	2.62100E-03	1.59890E-02
6.97210E+02	1.31000E-02	1.87840E-01	2.46070E-03	1.50110E-02
6.96710E+02	1.20000E-02	1.85710E-01	2.22850E-03	1.35940E-02
6.96110E+02	1.00000E-02	1.82900E-01	1.82900E-03	1.11580E-02
6.93950E+02	7.75000E-03	1.73000E-01	1.34070E-03	8.17880E-03
6.91780E+02	5.50000E-03	1.63330E-01	8.98320E-04	5.48000E-03
6.89620E+02	3.25000E-03	1.53840E-01	4.99970E-04	3.04990E-03
6.87460E+02	1.00000E-03	1.43870E-01	1.43870E-04	8.77650E-04
6.87000E+02	0.00000E+00	1.41580E-01	0.00000E+00	0.00000E+00
Channel 6				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.56000E+02	0.00000E+00	3.18450E-01	0.00000E+00	0.00000E+00
7.55600E+02	1.00000E-03	3.17590E-01	3.17590E-04	1.66790E-03
7.53480E+02	3.25000E-03	3.13000E-01	1.01730E-03	5.34230E-03
7.51350E+02	5.50000E-03	3.09070E-01	1.69990E-03	8.92720E-03
7.49230E+02	7.75000E-03	3.04960E-01	2.36340E-03	1.24120E-02

7.47100E+02	1.00000E-02	3.00830E-01	3.00830E-03	1.57990E-02
7.46800E+02	1.08000E-02	3.00290E-01	3.24320E-03	1.70320E-02
7.46300E+02	1.50000E-02	2.99400E-01	4.49110E-03	2.35860E-02
7.45800E+02	2.14000E-02	2.98520E-01	6.38820E-03	3.35490E-02
7.45300E+02	2.72000E-02	2.97630E-01	8.09550E-03	4.25150E-02
7.44800E+02	3.19000E-02	2.96750E-01	9.46620E-03	4.97130E-02
7.44300E+02	3.72000E-02	2.95860E-01	1.10060E-02	5.78000E-02
7.43800E+02	4.71000E-02	2.94980E-01	1.38940E-02	7.29660E-02
7.43300E+02	6.01000E-02	2.93710E-01	1.76520E-02	9.27030E-02
7.42800E+02	7.50000E-02	2.92340E-01	2.19260E-02	1.15150E-01
7.42300E+02	9.41000E-02	2.90980E-01	2.73820E-02	1.43800E-01
7.41800E+02	1.19800E-01	2.89630E-01	3.46980E-02	1.82220E-01
7.41300E+02	1.51500E-01	2.88280E-01	4.36740E-02	2.29360E-01
7.40800E+02	1.87300E-01	2.86930E-01	5.37420E-02	2.82240E-01
7.40300E+02	2.31100E-01	2.85590E-01	6.59990E-02	3.46610E-01
7.39800E+02	2.85300E-01	2.84250E-01	8.10960E-02	4.25890E-01
7.39300E+02	3.45400E-01	2.82910E-01	9.77190E-02	5.13190E-01
7.38800E+02	4.07300E-01	2.81580E-01	1.14690E-01	6.02310E-01
7.38300E+02	4.72800E-01	2.80260E-01	1.32510E-01	6.95880E-01
7.37800E+02	5.36500E-01	2.78990E-01	1.49680E-01	7.86060E-01
7.37300E+02	5.89600E-01	2.77800E-01	1.63790E-01	8.60170E-01
7.36800E+02	6.31300E-01	2.76560E-01	1.74590E-01	9.16910E-01
7.36300E+02	6.65300E-01	2.75260E-01	1.83130E-01	9.61730E-01
7.35800E+02	6.87800E-01	2.73950E-01	1.88430E-01	9.89550E-01
7.35300E+02	6.98100E-01	2.72660E-01	1.90340E-01	9.99610E-01
7.34800E+02	7.01700E-01	2.71360E-01	1.90410E-01	1.00000E+00
7.34300E+02	7.00400E-01	2.70070E-01	1.89160E-01	9.93400E-01
7.33800E+02	6.95000E-01	2.68790E-01	1.86810E-01	9.81060E-01
7.33300E+02	6.86700E-01	2.67510E-01	1.83700E-01	9.64740E-01
7.32800E+02	6.78400E-01	2.66250E-01	1.80630E-01	9.48590E-01
7.32300E+02	6.69700E-01	2.65020E-01	1.77480E-01	9.32090E-01
7.31800E+02	6.61200E-01	2.63790E-01	1.74420E-01	9.15990E-01
7.31300E+02	6.54800E-01	2.62560E-01	1.71930E-01	9.02910E-01
7.30800E+02	6.48600E-01	2.61340E-01	1.69510E-01	8.90200E-01
7.30300E+02	6.39500E-01	2.60120E-01	1.66350E-01	8.73620E-01
7.29800E+02	6.28900E-01	2.59480E-01	1.63190E-01	8.57010E-01
7.29300E+02	6.18800E-01	2.58850E-01	1.60170E-01	8.41190E-01
7.28800E+02	6.09300E-01	2.58220E-01	1.57330E-01	8.26250E-01
7.28300E+02	5.97100E-01	2.57590E-01	1.53810E-01	8.07740E-01
7.27800E+02	5.79700E-01	2.57060E-01	1.49020E-01	7.82590E-01
7.27300E+02	5.58200E-01	2.56680E-01	1.43280E-01	7.52450E-01
7.26800E+02	5.34500E-01	2.56300E-01	1.36990E-01	7.19440E-01
7.26300E+02	5.09000E-01	2.55920E-01	1.30260E-01	6.84100E-01
7.25800E+02	4.77300E-01	2.55540E-01	1.21970E-01	6.40540E-01
7.25300E+02	4.41800E-01	2.55160E-01	1.12730E-01	5.92020E-01
7.24800E+02	4.03500E-01	2.54780E-01	1.02810E-01	5.39900E-01
7.24300E+02	3.63300E-01	2.54410E-01	9.24260E-02	4.85390E-01
7.23800E+02	3.22400E-01	2.54030E-01	8.18980E-02	4.30100E-01
7.23300E+02	2.84900E-01	2.53670E-01	7.22710E-02	3.79540E-01

7.22800E+02	2.50000E-01	2.53320E-01	6.33310E-02	3.32590E-01
7.22300E+02	2.14500E-01	2.52960E-01	5.42590E-02	2.84950E-01
7.21800E+02	1.79400E-01	2.52590E-01	4.53140E-02	2.37980E-01
7.21300E+02	1.48500E-01	2.52220E-01	3.74550E-02	1.96700E-01
7.20800E+02	1.24800E-01	2.51860E-01	3.14320E-02	1.65070E-01
7.20300E+02	1.05600E-01	2.51490E-01	2.65570E-02	1.39470E-01
7.19800E+02	8.82000E-02	2.51130E-01	2.21490E-02	1.16320E-01
7.19300E+02	7.26000E-02	2.50760E-01	1.82050E-02	9.56080E-02
7.18800E+02	5.97000E-02	2.50390E-01	1.49480E-02	7.85040E-02
7.18300E+02	4.81000E-02	2.50020E-01	1.20260E-02	6.31560E-02
7.17800E+02	3.81000E-02	2.49630E-01	9.51090E-03	4.99480E-02
7.17300E+02	3.10000E-02	2.49230E-01	7.72600E-03	4.05750E-02
7.16800E+02	2.74000E-02	2.48730E-01	6.81520E-03	3.57910E-02
7.16300E+02	2.48000E-02	2.47860E-01	6.14690E-03	3.22810E-02
7.15800E+02	2.12000E-02	2.46990E-01	5.23610E-03	2.74990E-02
7.15300E+02	1.72000E-02	2.46120E-01	4.23330E-03	2.22320E-02
7.14800E+02	1.57000E-02	2.45250E-01	3.85050E-03	2.02220E-02
7.14500E+02	1.00000E-02	2.44740E-01	2.44740E-03	1.28530E-02
7.12370E+02	7.75000E-03	2.40830E-01	1.86650E-03	9.80200E-03
7.10250E+02	5.50000E-03	2.36480E-01	1.30060E-03	6.83060E-03
7.08120E+02	3.25000E-03	2.29920E-01	7.47250E-04	3.92430E-03
7.06000E+02	1.00000E-03	2.22060E-01	2.22060E-04	1.16620E-03
7.05500E+02	0.00000E+00	2.20220E-01	0.00000E+00	0.00000E+00
Channel 7				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.74000E+02	0.00000E+00	3.67050E-01	0.00000E+00	0.00000E+00
7.73000E+02	1.89900E-03	3.64470E-01	6.92130E-04	3.05230E-03
7.72000E+02	2.41300E-03	3.61750E-01	8.72910E-04	3.84960E-03
7.71000E+02	3.40200E-03	3.59050E-01	1.22150E-03	5.38690E-03
7.70000E+02	4.01000E-03	3.56440E-01	1.42930E-03	6.30340E-03
7.69000E+02	6.72800E-03	3.53790E-01	2.38030E-03	1.04970E-02
7.68000E+02	7.50400E-03	3.51130E-01	2.63490E-03	1.16200E-02
7.67000E+02	1.24070E-02	3.48110E-01	4.31890E-03	1.90470E-02
7.66000E+02	1.64300E-02	3.45100E-01	5.67010E-03	2.50050E-02
7.65000E+02	2.04350E-02	3.42120E-01	6.99130E-03	3.08320E-02
7.64000E+02	3.14380E-02	3.39160E-01	1.06630E-02	4.70230E-02
7.63000E+02	4.50900E-02	3.36550E-01	1.51750E-02	6.69220E-02
7.62000E+02	6.37090E-02	3.33840E-01	2.12690E-02	9.37960E-02
7.61000E+02	9.77890E-02	3.31150E-01	3.23830E-02	1.42810E-01
7.60000E+02	1.42470E-01	3.28480E-01	4.67980E-02	2.06380E-01
7.59000E+02	2.08300E-01	3.25830E-01	6.78710E-02	2.99310E-01
7.58000E+02	2.99470E-01	3.23190E-01	9.67880E-02	4.26840E-01
7.57000E+02	4.05920E-01	3.20620E-01	1.30150E-01	5.73940E-01
7.56000E+02	5.10190E-01	3.18450E-01	1.62470E-01	7.16510E-01
7.55000E+02	6.06250E-01	3.16290E-01	1.91750E-01	8.45630E-01

7.54000E+02	6.72000E-01	3.14140E-01	2.11100E-01	9.30970E-01
7.53000E+02	7.10240E-01	3.11970E-01	2.21580E-01	9.77150E-01
7.52000E+02	7.28200E-01	3.10210E-01	2.25890E-01	9.96200E-01
7.51000E+02	7.33790E-01	3.08450E-01	2.26340E-01	9.98170E-01
7.50000E+02	7.38680E-01	3.06580E-01	2.26460E-01	9.98700E-01
7.49000E+02	7.43360E-01	3.04490E-01	2.26340E-01	9.98180E-01
7.48000E+02	7.47940E-01	3.02430E-01	2.26200E-01	9.97560E-01
7.47000E+02	7.53480E-01	3.00650E-01	2.26530E-01	9.99020E-01
7.46000E+02	7.58710E-01	2.98870E-01	2.26760E-01	1.00000E+00
7.45000E+02	7.62310E-01	2.97100E-01	2.26480E-01	9.98790E-01
7.44000E+02	7.59620E-01	2.95330E-01	2.24340E-01	9.89350E-01
7.43000E+02	7.48900E-01	2.92890E-01	2.19340E-01	9.67310E-01
7.42000E+02	7.17630E-01	2.90170E-01	2.08240E-01	9.18320E-01
7.41000E+02	6.58850E-01	2.87470E-01	1.89400E-01	8.35260E-01
7.40000E+02	5.71370E-01	2.84780E-01	1.62720E-01	7.17590E-01
7.39000E+02	4.61630E-01	2.82120E-01	1.30230E-01	5.74330E-01
7.38000E+02	3.49900E-01	2.79470E-01	9.77850E-02	4.31240E-01
7.37000E+02	2.48650E-01	2.77080E-01	6.88960E-02	3.03830E-01
7.36000E+02	1.70790E-01	2.74470E-01	4.68760E-02	2.06730E-01
7.35000E+02	1.13560E-01	2.71880E-01	3.08740E-02	1.36160E-01
7.34000E+02	7.71700E-02	2.69300E-01	2.07820E-02	9.16490E-02
7.33000E+02	5.17400E-02	2.66750E-01	1.38010E-02	6.08650E-02
7.32000E+02	3.57040E-02	2.64280E-01	9.43590E-03	4.16130E-02
7.31000E+02	2.58880E-02	2.61830E-01	6.77830E-03	2.98920E-02
7.30000E+02	1.78890E-02	2.59730E-01	4.64640E-03	2.04910E-02
7.29000E+02	1.25610E-02	2.58470E-01	3.24660E-03	1.43180E-02
7.28000E+02	8.62800E-03	2.57210E-01	2.21920E-03	9.78680E-03
7.27000E+02	6.18600E-03	2.56450E-01	1.58640E-03	6.99610E-03
7.26000E+02	5.25200E-03	2.55690E-01	1.34290E-03	5.92220E-03
7.25000E+02	4.06100E-03	2.54930E-01	1.03530E-03	4.56560E-03
7.24000E+02	1.30700E-03	2.54180E-01	3.32210E-04	1.46510E-03
7.23000E+02	3.30100E-03	2.53470E-01	8.36700E-04	3.68990E-03
7.22000E+02	0.00000E+00	2.52740E-01	0.00000E+00	0.00000E+00

Channel 8

Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
9.53000E+02	0.00000E+00	6.02580E-01	0.00000E+00	0.00000E+00
9.52000E+02	5.00000E-04	6.01740E-01	3.00870E-04	6.00570E-04
9.51000E+02	2.59700E-03	6.00940E-01	1.56070E-03	3.11520E-03
9.50000E+02	4.14800E-03	6.00200E-01	2.48960E-03	4.96960E-03
9.49000E+02	4.44800E-03	5.99490E-01	2.66650E-03	5.32270E-03
9.48000E+02	4.39500E-03	5.98760E-01	2.63150E-03	5.25280E-03
9.47000E+02	3.74600E-03	5.97970E-01	2.24000E-03	4.47130E-03
9.46000E+02	4.34500E-03	5.97190E-01	2.59480E-03	5.17950E-03
9.45000E+02	4.44400E-03	5.96410E-01	2.65050E-03	5.29060E-03
9.44000E+02	4.79200E-03	5.95600E-01	2.85410E-03	5.69710E-03

9.43000E+02	4.74900E-03	5.94790E-01	2.82470E-03	5.63840E-03
9.42000E+02	5.69200E-03	5.94300E-01	3.38280E-03	6.75240E-03
9.41000E+02	6.64300E-03	5.93810E-01	3.94470E-03	7.87400E-03
9.40000E+02	6.54900E-03	5.93320E-01	3.88570E-03	7.75620E-03
9.39000E+02	8.84300E-03	5.92830E-01	5.24240E-03	1.04640E-02
9.38000E+02	9.94400E-03	5.92360E-01	5.89040E-03	1.17580E-02
9.37000E+02	1.09090E-02	5.91850E-01	6.45650E-03	1.28880E-02
9.36000E+02	1.28540E-02	5.91340E-01	7.60110E-03	1.51730E-02
9.35000E+02	1.47990E-02	5.90830E-01	8.74360E-03	1.74530E-02
9.34000E+02	1.74070E-02	5.90320E-01	1.02760E-02	2.05110E-02
9.33000E+02	2.22640E-02	5.89810E-01	1.31310E-02	2.62120E-02
9.32000E+02	2.64190E-02	5.89410E-01	1.55720E-02	3.10830E-02
9.31000E+02	3.21590E-02	5.88990E-01	1.89410E-02	3.78090E-02
9.30000E+02	3.89340E-02	5.88500E-01	2.29130E-02	4.57360E-02
9.29000E+02	4.85000E-02	5.88070E-01	2.85210E-02	5.69310E-02
9.28000E+02	6.04770E-02	5.87640E-01	3.55390E-02	7.09390E-02
9.27000E+02	7.50890E-02	5.87390E-01	4.41060E-02	8.80410E-02
9.26000E+02	9.33770E-02	5.87130E-01	5.48250E-02	1.09440E-01
9.25000E+02	1.16330E-01	5.86880E-01	6.82730E-02	1.36280E-01
9.24000E+02	1.44930E-01	5.86670E-01	8.50280E-02	1.69730E-01
9.23000E+02	1.76080E-01	5.86470E-01	1.03260E-01	2.06130E-01
9.22000E+02	2.15450E-01	5.86250E-01	1.26300E-01	2.52120E-01
9.21000E+02	2.61340E-01	5.86020E-01	1.53150E-01	3.05700E-01
9.20000E+02	3.10190E-01	5.85800E-01	1.81710E-01	3.62700E-01
9.19000E+02	3.65420E-01	5.85570E-01	2.13980E-01	4.27120E-01
9.18000E+02	4.23610E-01	5.85310E-01	2.47940E-01	4.94920E-01
9.17000E+02	4.82390E-01	5.85040E-01	2.82220E-01	5.63340E-01
9.16000E+02	5.37980E-01	5.84780E-01	3.14600E-01	6.27970E-01
9.15000E+02	5.92580E-01	5.84510E-01	3.46370E-01	6.91400E-01
9.14000E+02	6.42500E-01	5.84250E-01	3.75380E-01	7.49290E-01
9.13000E+02	6.87450E-01	5.83970E-01	4.01450E-01	8.01330E-01
9.12000E+02	7.25440E-01	5.83610E-01	4.23370E-01	8.45090E-01
9.11000E+02	7.57600E-01	5.83280E-01	4.41900E-01	8.82070E-01
9.10000E+02	7.84550E-01	5.83120E-01	4.57480E-01	9.13190E-01
9.09000E+02	8.08350E-01	5.82890E-01	4.71180E-01	9.40530E-01
9.08000E+02	8.27810E-01	5.82650E-01	4.82330E-01	9.62780E-01
9.07000E+02	8.41010E-01	5.82160E-01	4.89610E-01	9.77310E-01
9.06000E+02	8.50530E-01	5.81670E-01	4.94730E-01	9.87530E-01
9.05000E+02	8.58400E-01	5.81180E-01	4.98890E-01	9.95830E-01
9.04000E+02	8.61670E-01	5.80670E-01	5.00340E-01	9.98740E-01
9.03000E+02	8.63550E-01	5.80130E-01	5.00980E-01	1.00000E+00
9.02000E+02	8.61280E-01	5.79660E-01	4.99250E-01	9.96560E-01
9.01000E+02	8.59960E-01	5.79180E-01	4.98070E-01	9.94210E-01
9.00000E+02	8.57610E-01	5.78710E-01	4.96300E-01	9.90670E-01
8.99000E+02	8.53740E-01	5.78230E-01	4.93660E-01	9.85390E-01
8.98000E+02	8.50920E-01	5.77750E-01	4.91620E-01	9.81320E-01
8.97000E+02	8.48400E-01	5.76900E-01	4.89440E-01	9.76970E-01
8.96000E+02	8.45050E-01	5.76040E-01	4.86780E-01	9.71670E-01
8.95000E+02	8.43920E-01	5.75190E-01	4.85410E-01	9.68940E-01

8.94000E+02	8.40640E-01	5.74340E-01	4.82820E-01	9.63750E-01
8.93000E+02	8.37230E-01	5.73490E-01	4.80140E-01	9.58410E-01
8.92000E+02	8.30650E-01	5.72200E-01	4.75300E-01	9.48750E-01
8.91000E+02	8.24550E-01	5.70900E-01	4.70730E-01	9.39630E-01
8.90000E+02	8.13080E-01	5.69360E-01	4.62940E-01	9.24070E-01
8.89000E+02	7.95750E-01	5.67700E-01	4.51750E-01	9.01740E-01
8.88000E+02	7.70440E-01	5.66060E-01	4.36120E-01	8.70540E-01
8.87000E+02	7.39360E-01	5.64240E-01	4.17170E-01	8.32720E-01
8.86000E+02	6.99020E-01	5.62420E-01	3.93140E-01	7.84760E-01
8.85000E+02	6.53410E-01	5.60600E-01	3.66300E-01	7.31180E-01
8.84000E+02	6.07580E-01	5.58590E-01	3.39390E-01	6.77450E-01
8.83000E+02	5.43200E-01	5.56260E-01	3.02160E-01	6.03140E-01
8.82000E+02	4.78010E-01	5.53510E-01	2.64590E-01	5.28140E-01
8.81000E+02	4.13140E-01	5.50780E-01	2.27550E-01	4.54220E-01
8.80000E+02	3.49050E-01	5.48050E-01	1.91300E-01	3.81850E-01
8.79000E+02	2.89910E-01	5.45340E-01	1.58100E-01	3.15590E-01
8.78000E+02	2.36280E-01	5.42640E-01	1.28220E-01	2.55930E-01
8.77000E+02	1.83760E-01	5.39750E-01	9.91820E-02	1.97980E-01
8.76000E+02	1.48670E-01	5.36780E-01	7.98060E-02	1.59300E-01
8.75000E+02	1.19300E-01	5.33830E-01	6.36860E-02	1.27120E-01
8.74000E+02	9.66120E-02	5.30890E-01	5.12900E-02	1.02380E-01
8.73000E+02	7.69650E-02	5.27940E-01	4.06330E-02	8.11080E-02
8.72000E+02	6.19760E-02	5.24730E-01	3.25210E-02	6.49150E-02
8.71000E+02	5.10150E-02	5.21530E-01	2.66060E-02	5.31080E-02
8.70000E+02	4.11700E-02	5.18240E-01	2.13360E-02	4.25890E-02
8.69000E+02	3.33860E-02	5.15050E-01	1.71950E-02	3.43240E-02
8.68000E+02	2.78050E-02	5.11860E-01	1.42320E-02	2.84090E-02
8.67000E+02	2.47350E-02	5.08660E-01	1.25820E-02	2.51140E-02
8.66000E+02	1.89890E-02	5.05480E-01	9.59850E-03	1.91600E-02
8.65000E+02	1.59050E-02	5.02310E-01	7.98930E-03	1.59470E-02
8.64000E+02	1.43890E-02	4.99150E-01	7.18220E-03	1.43360E-02
8.63000E+02	1.24550E-02	4.95960E-01	6.17710E-03	1.23300E-02
8.62000E+02	1.09950E-02	4.91470E-01	5.40380E-03	1.07860E-02
8.61000E+02	9.01700E-03	4.87020E-01	4.39140E-03	8.76570E-03
8.60000E+02	6.81400E-03	4.82580E-01	3.28830E-03	6.56380E-03
8.59000E+02	6.75600E-03	4.78170E-01	3.23050E-03	6.44840E-03
8.58000E+02	7.65300E-03	4.73770E-01	3.62570E-03	7.23740E-03
8.57000E+02	6.69700E-03	4.70040E-01	3.14790E-03	6.28350E-03
8.56000E+02	5.99600E-03	4.66370E-01	2.79640E-03	5.58180E-03
8.55000E+02	5.35500E-03	4.62720E-01	2.47780E-03	4.94600E-03
8.54000E+02	6.45100E-03	4.59080E-01	2.96150E-03	5.91150E-03
8.53000E+02	5.59300E-03	4.55460E-01	2.54740E-03	5.08480E-03
8.52000E+02	3.80100E-03	4.53200E-01	1.72260E-03	3.43850E-03
8.51000E+02	4.49600E-03	4.50950E-01	2.02750E-03	4.04700E-03
8.50000E+02	3.99400E-03	4.48960E-01	1.79310E-03	3.57930E-03
8.49000E+02	2.99700E-03	4.46940E-01	1.33950E-03	2.67370E-03
8.48000E+02	3.69700E-03	4.44940E-01	1.64490E-03	3.28350E-03
8.47000E+02	3.54800E-03	4.42290E-01	1.56930E-03	3.13240E-03
8.46000E+02	1.89900E-03	4.39660E-01	8.34910E-04	1.66660E-03

8.45000E+02	3.14600E-03	4.37030E-01	1.37490E-03	2.74440E-03
8.44000E+02	4.08700E-03	4.34420E-01	1.77550E-03	3.54410E-03
8.43000E+02	4.24200E-03	4.31910E-01	1.83220E-03	3.65720E-03
8.42000E+02	3.09500E-03	4.30720E-01	1.33310E-03	2.66100E-03
8.41000E+02	8.50000E-04	4.29520E-01	3.65090E-04	7.28770E-04
8.40000E+02	0.00000E+00	4.28330E-01	0.00000E+00	0.00000E+00
Channel 9				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.06300E+03	0.00000E+00	5.94580E-01	0.00000E+00	0.00000E+00
1.06230E+03	1.00000E-03	5.95020E-01	5.95020E-04	1.23440E-03
1.05190E+03	1.00000E-02	6.01520E-01	6.01520E-03	1.24790E-02
1.05100E+03	1.13000E-02	6.01760E-01	6.79990E-03	1.41070E-02
1.05000E+03	1.65000E-02	6.02020E-01	9.93340E-03	2.06080E-02
1.04900E+03	2.33000E-02	6.02110E-01	1.40290E-02	2.91050E-02
1.04800E+03	3.25000E-02	6.02180E-01	1.95710E-02	4.06010E-02
1.04700E+03	4.71000E-02	6.01750E-01	2.83430E-02	5.87990E-02
1.04600E+03	6.69000E-02	6.01310E-01	4.02280E-02	8.34560E-02
1.04500E+03	9.52000E-02	6.00830E-01	5.71990E-02	1.18660E-01
1.04400E+03	1.39200E-01	6.00170E-01	8.35440E-02	1.73320E-01
1.04300E+03	1.99400E-01	5.99490E-01	1.19540E-01	2.47990E-01
1.04200E+03	2.72600E-01	5.98880E-01	1.63250E-01	3.38690E-01
1.04100E+03	3.58100E-01	5.98270E-01	2.14240E-01	4.44460E-01
1.04000E+03	4.54600E-01	5.97670E-01	2.71700E-01	5.63670E-01
1.03900E+03	5.52100E-01	5.97070E-01	3.29640E-01	6.83870E-01
1.03800E+03	6.38800E-01	5.96440E-01	3.81000E-01	7.90430E-01
1.03700E+03	7.09200E-01	5.95790E-01	4.22530E-01	8.76580E-01
1.03600E+03	7.59800E-01	5.95140E-01	4.52180E-01	9.38100E-01
1.03500E+03	7.92300E-01	5.94480E-01	4.71010E-01	9.77150E-01
1.03400E+03	8.08200E-01	5.93830E-01	4.79940E-01	9.95670E-01
1.03300E+03	8.12600E-01	5.93190E-01	4.82020E-01	1.00000E+00
1.03200E+03	8.10700E-01	5.92640E-01	4.80460E-01	9.96750E-01
1.03100E+03	8.05200E-01	5.92250E-01	4.76880E-01	9.89330E-01
1.03000E+03	7.97100E-01	5.91900E-01	4.71800E-01	9.78790E-01
1.02900E+03	7.87100E-01	5.91650E-01	4.65690E-01	9.66120E-01
1.02800E+03	7.76000E-01	5.91430E-01	4.58950E-01	9.52130E-01
1.02700E+03	7.63000E-01	5.91320E-01	4.51180E-01	9.36010E-01
1.02600E+03	7.48500E-01	5.91220E-01	4.42530E-01	9.18060E-01
1.02500E+03	7.33800E-01	5.91120E-01	4.33770E-01	8.99890E-01
1.02400E+03	7.15500E-01	5.91230E-01	4.23030E-01	8.77600E-01
1.02300E+03	6.88400E-01	5.91300E-01	4.07050E-01	8.44460E-01
1.02200E+03	6.51300E-01	5.91610E-01	3.85310E-01	7.99370E-01
1.02100E+03	6.02800E-01	5.91920E-01	3.56810E-01	7.40230E-01
1.02000E+03	5.43100E-01	5.92230E-01	3.21640E-01	6.67280E-01
1.01900E+03	4.73600E-01	5.92550E-01	2.80630E-01	5.82190E-01
1.01800E+03	4.00000E-01	5.92850E-01	2.37140E-01	4.91970E-01

1.01700E+03	3.26700E-01	5.93130E-01	1.93780E-01	4.02000E-01
1.01600E+03	2.58600E-01	5.93410E-01	1.53460E-01	3.18360E-01
1.01500E+03	1.99100E-01	5.93690E-01	1.18200E-01	2.45230E-01
1.01400E+03	1.50900E-01	5.93970E-01	8.96310E-02	1.85950E-01
1.01300E+03	1.13900E-01	5.94240E-01	6.76840E-02	1.40420E-01
1.01200E+03	8.52000E-02	5.94940E-01	5.06890E-02	1.05160E-01
1.01100E+03	6.30000E-02	5.95930E-01	3.75430E-02	7.78870E-02
1.01000E+03	4.72000E-02	5.97050E-01	2.81810E-02	5.84630E-02
1.00900E+03	3.58000E-02	5.98150E-01	2.14140E-02	4.44250E-02
1.00800E+03	2.70000E-02	5.99260E-01	1.61800E-02	3.35670E-02
1.00700E+03	2.05000E-02	6.00260E-01	1.23050E-02	2.55280E-02
1.00600E+03	1.59000E-02	6.01250E-01	9.55990E-03	1.98330E-02
1.00500E+03	1.24000E-02	6.02240E-01	7.46780E-03	1.54930E-02
1.00300E+03	1.00000E-02	6.04960E-01	6.04960E-03	1.25500E-02
9.91640E+02	1.00000E-03	6.17870E-01	6.17870E-04	1.28180E-03
9.91500E+02	0.00000E+00	6.17930E-01	0.00000E+00	0.00000E+00
Channel 10				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
8.23000E+02	0.00000E+00	4.24490E-01	0.00000E+00	0.00000E+00
8.22920E+02	1.00000E-03	4.24440E-01	4.24440E-04	1.33470E-03
8.16320E+02	1.00000E-02	4.19230E-01	4.19230E-03	1.31830E-02
8.15320E+02	1.29000E-02	4.18110E-01	5.39360E-03	1.69600E-02
8.14320E+02	2.37000E-02	4.16990E-01	9.88270E-03	3.10770E-02
8.13320E+02	4.49000E-02	4.15870E-01	1.86730E-02	5.87170E-02
8.12320E+02	8.56000E-02	4.14630E-01	3.54920E-02	1.11610E-01
8.11320E+02	1.58400E-01	4.13330E-01	6.54710E-02	2.05880E-01
8.10320E+02	2.68200E-01	4.12100E-01	1.10530E-01	3.47560E-01
8.09320E+02	4.02400E-01	4.11010E-01	1.65390E-01	5.20090E-01
8.08320E+02	5.34800E-01	4.09930E-01	2.19230E-01	6.89380E-01
8.07320E+02	6.37300E-01	4.08570E-01	2.60380E-01	8.18790E-01
8.06320E+02	6.96900E-01	4.07090E-01	2.83700E-01	8.92130E-01
8.05320E+02	7.20600E-01	4.05620E-01	2.92290E-01	9.19120E-01
8.04320E+02	7.28900E-01	4.04150E-01	2.94580E-01	9.26330E-01
8.03320E+02	7.39000E-01	4.03380E-01	2.98100E-01	9.37390E-01
8.02320E+02	7.56600E-01	4.03140E-01	3.05020E-01	9.59150E-01
8.01320E+02	7.75300E-01	4.03000E-01	3.12440E-01	9.82500E-01
8.00320E+02	7.86900E-01	4.02850E-01	3.17000E-01	9.96830E-01
7.99320E+02	7.89700E-01	4.02700E-01	3.18010E-01	1.00000E+00
7.98320E+02	7.82500E-01	4.02530E-01	3.14980E-01	9.90470E-01
7.97320E+02	7.57700E-01	4.02280E-01	3.04810E-01	9.58500E-01
7.96320E+02	7.04900E-01	4.01920E-01	2.83310E-01	8.90900E-01
7.95320E+02	6.13500E-01	4.01550E-01	2.46350E-01	7.74670E-01
7.94320E+02	4.86300E-01	4.01180E-01	1.95090E-01	6.13480E-01
7.93320E+02	3.45000E-01	4.00800E-01	1.38280E-01	4.34820E-01
7.92320E+02	2.18700E-01	4.00450E-01	8.75790E-02	2.75400E-01

7.91320E+02	1.26000E-01	4.00120E-01	5.04150E-02	1.58530E-01
7.90320E+02	6.89000E-02	3.99570E-01	2.75310E-02	8.65720E-02
7.89320E+02	3.74000E-02	3.98500E-01	1.49040E-02	4.68660E-02
7.88320E+02	2.13000E-02	3.97410E-01	8.46480E-03	2.66180E-02
7.87320E+02	1.32000E-02	3.96210E-01	5.23000E-03	1.64460E-02
7.86120E+02	1.00000E-02	3.94720E-01	3.94720E-03	1.24120E-02
7.80520E+02	1.00000E-03	3.83820E-01	3.83820E-04	1.20700E-03
7.80000E+02	0.00000E+00	3.82560E-01	0.00000E+00	0.00000E+00
Channel 11				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.41200E+03	0.00000E+00	2.36490E-01	0.00000E+00	0.00000E+00
1.41100E+03	1.00000E-03	2.38520E-01	2.38520E-04	1.09460E-03
1.40320E+03	1.00000E-02	2.53890E-01	2.53890E-03	1.16520E-02
1.40240E+03	1.40000E-02	2.55410E-01	3.57580E-03	1.64100E-02
1.40140E+03	1.65000E-02	2.57310E-01	4.24570E-03	1.94840E-02
1.40040E+03	1.92000E-02	2.59230E-01	4.97720E-03	2.28410E-02
1.39940E+03	2.24000E-02	2.61110E-01	5.84890E-03	2.68420E-02
1.39840E+03	2.50000E-02	2.63020E-01	6.57550E-03	3.01760E-02
1.39740E+03	2.66000E-02	2.64830E-01	7.04450E-03	3.23280E-02
1.39640E+03	2.75000E-02	2.66580E-01	7.33090E-03	3.36420E-02
1.39540E+03	2.86000E-02	2.68330E-01	7.67420E-03	3.52180E-02
1.39440E+03	3.10000E-02	2.70090E-01	8.37280E-03	3.84240E-02
1.39340E+03	3.38000E-02	2.71860E-01	9.18890E-03	4.21690E-02
1.39240E+03	3.78000E-02	2.73500E-01	1.03380E-02	4.74440E-02
1.39140E+03	4.33000E-02	2.75040E-01	1.19090E-02	5.46520E-02
1.39040E+03	5.17000E-02	2.76570E-01	1.42990E-02	6.56190E-02
1.38940E+03	6.43000E-02	2.78120E-01	1.78830E-02	8.20680E-02
1.38840E+03	8.38000E-02	2.79670E-01	2.34370E-02	1.07550E-01
1.38740E+03	1.11400E-01	2.81020E-01	3.13060E-02	1.43670E-01
1.38640E+03	1.49300E-01	2.82200E-01	4.21320E-02	1.93350E-01
1.38540E+03	1.98700E-01	2.83350E-01	5.63020E-02	2.58380E-01
1.38440E+03	2.61000E-01	2.84510E-01	7.42560E-02	3.40770E-01
1.38340E+03	3.34700E-01	2.85660E-01	9.56120E-02	4.38780E-01
1.38240E+03	4.13200E-01	2.86640E-01	1.18440E-01	5.43530E-01
1.38140E+03	4.87000E-01	2.87480E-01	1.40000E-01	6.42500E-01
1.38040E+03	5.48500E-01	2.88330E-01	1.58150E-01	7.25780E-01
1.37940E+03	5.94300E-01	2.89220E-01	1.71890E-01	7.88810E-01
1.37840E+03	6.22800E-01	2.90130E-01	1.80690E-01	8.29220E-01
1.37740E+03	6.38300E-01	2.90790E-01	1.85610E-01	8.51800E-01
1.37640E+03	6.47100E-01	2.91290E-01	1.88500E-01	8.65030E-01
1.37540E+03	6.53800E-01	2.91790E-01	1.90780E-01	8.75490E-01
1.37440E+03	6.61400E-01	2.92290E-01	1.93320E-01	8.87180E-01
1.37340E+03	6.71800E-01	2.92810E-01	1.96710E-01	9.02720E-01
1.37240E+03	6.84900E-01	2.93220E-01	2.00830E-01	9.21620E-01
1.37140E+03	6.98700E-01	2.93530E-01	2.05090E-01	9.41170E-01

1.37040E+03	7.11300E-01	2.93830E-01	2.09000E-01	9.59130E-01
1.36940E+03	7.21200E-01	2.94130E-01	2.12120E-01	9.73460E-01
1.36840E+03	7.28300E-01	2.94400E-01	2.14410E-01	9.83960E-01
1.36740E+03	7.33800E-01	2.94580E-01	2.16160E-01	9.91990E-01
1.36640E+03	7.37600E-01	2.94690E-01	2.17360E-01	9.97510E-01
1.36540E+03	7.39200E-01	2.94790E-01	2.17910E-01	1.00000E+00
1.36440E+03	7.36100E-01	2.94880E-01	2.17060E-01	9.96120E-01
1.36340E+03	7.27500E-01	2.94960E-01	2.14580E-01	9.84750E-01
1.36240E+03	7.11500E-01	2.95030E-01	2.09920E-01	9.63330E-01
1.36140E+03	6.90000E-01	2.95100E-01	2.03620E-01	9.34450E-01
1.36040E+03	6.62500E-01	2.95170E-01	1.95550E-01	8.97410E-01
1.35940E+03	6.30800E-01	2.95200E-01	1.86210E-01	8.54560E-01
1.35840E+03	5.97900E-01	2.95260E-01	1.76530E-01	8.10140E-01
1.35740E+03	5.68300E-01	2.95410E-01	1.67880E-01	7.70420E-01
1.35640E+03	5.46300E-01	2.95600E-01	1.61490E-01	7.41090E-01
1.35540E+03	5.35500E-01	2.95790E-01	1.58400E-01	7.26910E-01
1.35440E+03	5.38400E-01	2.95980E-01	1.59360E-01	7.31310E-01
1.35340E+03	5.53300E-01	2.96160E-01	1.63860E-01	7.51990E-01
1.35240E+03	5.75200E-01	2.96420E-01	1.70500E-01	7.82460E-01
1.35140E+03	5.94000E-01	2.96790E-01	1.76300E-01	8.09040E-01
1.35040E+03	5.97500E-01	2.97160E-01	1.77560E-01	8.14830E-01
1.34940E+03	5.74200E-01	2.97530E-01	1.70840E-01	7.84010E-01
1.34840E+03	5.18000E-01	2.97890E-01	1.54310E-01	7.08130E-01
1.34740E+03	4.35200E-01	2.98320E-01	1.29830E-01	5.95800E-01
1.34640E+03	3.39900E-01	2.98790E-01	1.01560E-01	4.66060E-01
1.34540E+03	2.49800E-01	2.99210E-01	7.47430E-02	3.43010E-01
1.34440E+03	1.75800E-01	2.99640E-01	5.26760E-02	2.41740E-01
1.34340E+03	1.23400E-01	3.00060E-01	3.70280E-02	1.69920E-01
1.34240E+03	8.83000E-02	3.00760E-01	2.65570E-02	1.21870E-01
1.34140E+03	6.60000E-02	3.01650E-01	1.99090E-02	9.13640E-02
1.34040E+03	5.01000E-02	3.02540E-01	1.51570E-02	6.95580E-02
1.33940E+03	3.94000E-02	3.03420E-01	1.19550E-02	5.48630E-02
1.33840E+03	3.33000E-02	3.04310E-01	1.01340E-02	4.65050E-02
1.33740E+03	3.05000E-02	3.05270E-01	9.31060E-03	4.27280E-02
1.33640E+03	2.75000E-02	3.06260E-01	8.42210E-03	3.86500E-02
1.33540E+03	2.47000E-02	3.07250E-01	7.58920E-03	3.48280E-02
1.33440E+03	2.22000E-02	3.08250E-01	6.84320E-03	3.14040E-02
1.33340E+03	2.02000E-02	3.09260E-01	6.24700E-03	2.86680E-02
1.33240E+03	1.85000E-02	3.10540E-01	5.74490E-03	2.63640E-02
1.33140E+03	1.64000E-02	3.11980E-01	5.11650E-03	2.34800E-02
1.33040E+03	1.33000E-02	3.13430E-01	4.16860E-03	1.91300E-02
1.32940E+03	1.03000E-02	3.14850E-01	3.24300E-03	1.48830E-02
1.32870E+03	1.00000E-02	3.15850E-01	3.15850E-03	1.44950E-02
1.32150E+03	1.00000E-03	3.26200E-01	3.26200E-04	1.49700E-03
1.32100E+03	0.00000E+00	3.26930E-01	0.00000E+00	0.00000E+00
Channel 12				

Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.57900E+03	0.00000E+00	8.35430E-02	0.00000E+00	0.00000E+00
1.57800E+03	5.25000E-03	8.48370E-02	4.45390E-04	3.60550E-03
1.57700E+03	5.65000E-03	8.63940E-02	4.88120E-04	3.95140E-03
1.57600E+03	5.60100E-03	8.79690E-02	4.92720E-04	3.98850E-03
1.57500E+03	6.75500E-03	8.95640E-02	6.05000E-04	4.89750E-03
1.57400E+03	7.00500E-03	9.11560E-02	6.38550E-04	5.16900E-03
1.57300E+03	7.05200E-03	9.27440E-02	6.54030E-04	5.29440E-03
1.57200E+03	8.20200E-03	9.42910E-02	7.73380E-04	6.26050E-03
1.57100E+03	8.10600E-03	9.58520E-02	7.76980E-04	6.28960E-03
1.57000E+03	8.16600E-03	9.74280E-02	7.95590E-04	6.44030E-03
1.56900E+03	1.00820E-02	9.90040E-02	9.98150E-04	8.08010E-03
1.56800E+03	1.36190E-02	1.00600E-01	1.37010E-03	1.10910E-02
1.56700E+03	1.50130E-02	1.02290E-01	1.53570E-03	1.24320E-02
1.56600E+03	1.98810E-02	1.04000E-01	2.06760E-03	1.67370E-02
1.56500E+03	2.74460E-02	1.05720E-01	2.90160E-03	2.34880E-02
1.56400E+03	4.19980E-02	1.07460E-01	4.51300E-03	3.65330E-02
1.56300E+03	6.08560E-02	1.09210E-01	6.64580E-03	5.37980E-02
1.56200E+03	7.53550E-02	1.10980E-01	8.36270E-03	6.76960E-02
1.56100E+03	8.69610E-02	1.12770E-01	9.80680E-03	7.93860E-02
1.56000E+03	1.01770E-01	1.14630E-01	1.16660E-02	9.44390E-02
1.55900E+03	1.52830E-01	1.16510E-01	1.78060E-02	1.44140E-01
1.55800E+03	2.76940E-01	1.18370E-01	3.27820E-02	2.65370E-01
1.55700E+03	3.12800E-01	1.20000E-01	3.75370E-02	3.03860E-01
1.55600E+03	3.49580E-01	1.21650E-01	4.25260E-02	3.44250E-01
1.55500E+03	4.26520E-01	1.23310E-01	5.25930E-02	4.25740E-01
1.55400E+03	5.03270E-01	1.24980E-01	6.28980E-02	5.09160E-01
1.55300E+03	5.17970E-01	1.26670E-01	6.56120E-02	5.31130E-01
1.55200E+03	5.35940E-01	1.28290E-01	6.87570E-02	5.56590E-01
1.55100E+03	5.62910E-01	1.29930E-01	7.31370E-02	5.92050E-01
1.55000E+03	5.78550E-01	1.31580E-01	7.61250E-02	6.16230E-01
1.54900E+03	5.94960E-01	1.33210E-01	7.92540E-02	6.41570E-01
1.54800E+03	6.05340E-01	1.34830E-01	8.16190E-02	6.60710E-01
1.54700E+03	6.11920E-01	1.36100E-01	8.32810E-02	6.74160E-01
1.54600E+03	6.14700E-01	1.37400E-01	8.44570E-02	6.83680E-01
1.54500E+03	6.13770E-01	1.38700E-01	8.51310E-02	6.89140E-01
1.54400E+03	6.14690E-01	1.40020E-01	8.60670E-02	6.96710E-01
1.54300E+03	6.15990E-01	1.41310E-01	8.70450E-02	7.04630E-01
1.54200E+03	6.14190E-01	1.42380E-01	8.74480E-02	7.07890E-01
1.54100E+03	6.10480E-01	1.43450E-01	8.75750E-02	7.08920E-01
1.54000E+03	6.12230E-01	1.44590E-01	8.85230E-02	7.16600E-01
1.53900E+03	6.14920E-01	1.45740E-01	8.96160E-02	7.25440E-01
1.53800E+03	6.20280E-01	1.46860E-01	9.10930E-02	7.37400E-01
1.53700E+03	6.32490E-01	1.47810E-01	9.34860E-02	7.56770E-01
1.53600E+03	6.51020E-01	1.48760E-01	9.68460E-02	7.83970E-01
1.53500E+03	6.76640E-01	1.49720E-01	1.01310E-01	8.20070E-01

1.53400E+03	6.84070E-01	1.50670E-01	1.03070E-01	8.34360E-01
1.53300E+03	7.02840E-01	1.51570E-01	1.06530E-01	8.62360E-01
1.53200E+03	7.16870E-01	1.52340E-01	1.09210E-01	8.84040E-01
1.53100E+03	7.24340E-01	1.53110E-01	1.10900E-01	8.97760E-01
1.53000E+03	7.33920E-01	1.53880E-01	1.12940E-01	9.14230E-01
1.52900E+03	7.34050E-01	1.54690E-01	1.13550E-01	9.19170E-01
1.52800E+03	7.28320E-01	1.55460E-01	1.13230E-01	9.16570E-01
1.52700E+03	7.18070E-01	1.56090E-01	1.12080E-01	9.07290E-01
1.52600E+03	7.08230E-01	1.56700E-01	1.10980E-01	8.98380E-01
1.52500E+03	6.94260E-01	1.57320E-01	1.09220E-01	8.84110E-01
1.52400E+03	6.78580E-01	1.57930E-01	1.07170E-01	8.67540E-01
1.52300E+03	6.69650E-01	1.58530E-01	1.06160E-01	8.59340E-01
1.52200E+03	6.63180E-01	1.59160E-01	1.05550E-01	8.54420E-01
1.52100E+03	6.47190E-01	1.59790E-01	1.03410E-01	8.37140E-01
1.52000E+03	6.40400E-01	1.60460E-01	1.02760E-01	8.31840E-01
1.51900E+03	6.35420E-01	1.61140E-01	1.02390E-01	8.28850E-01
1.51800E+03	6.31810E-01	1.61770E-01	1.02210E-01	8.27380E-01
1.51700E+03	6.34370E-01	1.62500E-01	1.03080E-01	8.34460E-01
1.51600E+03	6.41030E-01	1.63230E-01	1.04640E-01	8.47020E-01
1.51500E+03	6.53080E-01	1.63960E-01	1.07080E-01	8.66810E-01
1.51400E+03	6.77650E-01	1.64700E-01	1.11610E-01	9.03460E-01
1.51300E+03	6.99270E-01	1.65430E-01	1.15680E-01	9.36430E-01
1.51200E+03	7.17350E-01	1.66280E-01	1.19280E-01	9.65570E-01
1.51100E+03	7.36640E-01	1.67130E-01	1.23110E-01	9.96620E-01
1.51000E+03	7.35370E-01	1.67990E-01	1.23530E-01	1.00000E+00
1.50900E+03	7.29970E-01	1.68860E-01	1.23260E-01	9.97800E-01
1.50800E+03	7.13370E-01	1.69730E-01	1.21080E-01	9.80150E-01
1.50700E+03	6.78250E-01	1.70820E-01	1.15860E-01	9.37870E-01
1.50600E+03	5.32380E-01	1.72000E-01	9.15680E-02	7.41240E-01
1.50500E+03	4.62830E-01	1.73180E-01	8.01540E-02	6.48850E-01
1.50400E+03	3.95890E-01	1.74370E-01	6.90330E-02	5.58820E-01
1.50300E+03	2.89800E-01	1.75570E-01	5.08790E-02	4.11870E-01
1.50200E+03	1.88220E-01	1.76860E-01	3.32880E-02	2.69470E-01
1.50100E+03	1.49000E-01	1.78160E-01	2.65460E-02	2.14890E-01
1.50000E+03	1.15420E-01	1.79460E-01	2.07130E-02	1.67670E-01
1.49900E+03	9.18500E-02	1.80770E-01	1.66040E-02	1.34410E-01
1.49800E+03	6.70570E-02	1.82090E-01	1.22100E-02	9.88430E-02
1.49700E+03	4.38700E-02	1.83450E-01	8.04800E-03	6.51490E-02
1.49600E+03	2.98300E-02	1.84820E-01	5.51320E-03	4.46290E-02
1.49500E+03	1.72720E-02	1.86200E-01	3.21600E-03	2.60330E-02
1.49400E+03	1.60500E-02	1.87550E-01	3.01020E-03	2.43680E-02
1.49300E+03	1.32790E-02	1.88690E-01	2.50560E-03	2.02830E-02
1.49200E+03	8.38800E-03	1.89750E-01	1.59160E-03	1.28840E-02
1.49100E+03	8.24800E-03	1.90810E-01	1.57380E-03	1.27400E-02
1.49000E+03	8.67100E-03	1.91880E-01	1.66380E-03	1.34680E-02
1.48900E+03	8.06900E-03	1.92910E-01	1.55660E-03	1.26010E-02
1.48800E+03	6.95400E-03	1.93940E-01	1.34870E-03	1.09170E-02
1.48700E+03	6.04900E-03	1.94920E-01	1.17910E-03	9.54450E-03
1.48600E+03	5.90100E-03	1.95780E-01	1.15530E-03	9.35230E-03

1.48500E+03	6.20100E-03	1.96650E-01	1.21940E-03	9.87120E-03
1.48400E+03	0.00000E+00	1.97520E-01	0.00000E+00	0.00000E+00
Channel 13				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.22250E+03	0.00000E+00	2.19080E-01	0.00000E+00	0.00000E+00
2.21750E+03	5.50000E-03	2.18230E-01	1.20030E-03	1.05710E-02
2.21450E+03	7.75000E-03	2.17290E-01	1.68400E-03	1.48310E-02
2.21150E+03	1.00000E-02	2.16450E-01	2.16450E-03	1.90630E-02
2.21090E+03	1.40000E-02	2.16300E-01	3.02830E-03	2.66700E-02
2.21040E+03	1.46000E-02	2.16180E-01	3.15620E-03	2.77970E-02
2.20990E+03	1.42000E-02	2.16060E-01	3.06800E-03	2.70200E-02
2.20940E+03	1.35000E-02	2.15940E-01	2.91510E-03	2.56740E-02
2.20890E+03	1.36000E-02	2.15820E-01	2.93510E-03	2.58500E-02
2.20840E+03	1.64000E-02	2.15700E-01	3.53740E-03	3.11540E-02
2.20790E+03	2.19000E-02	2.15580E-01	4.72110E-03	4.15790E-02
2.20740E+03	2.79000E-02	2.15460E-01	6.01130E-03	5.29410E-02
2.20690E+03	3.24000E-02	2.15340E-01	6.97690E-03	6.14460E-02
2.20640E+03	3.67000E-02	2.15220E-01	7.89850E-03	6.95620E-02
2.20590E+03	4.20000E-02	2.15100E-01	9.03430E-03	7.95650E-02
2.20540E+03	4.76000E-02	2.14990E-01	1.02340E-02	9.01270E-02
2.20490E+03	5.31000E-02	2.14880E-01	1.14100E-02	1.00490E-01
2.20440E+03	5.92000E-02	2.14770E-01	1.27140E-02	1.11970E-01
2.20390E+03	6.41000E-02	2.14650E-01	1.37590E-02	1.21180E-01
2.20340E+03	7.01000E-02	2.14540E-01	1.50390E-02	1.32450E-01
2.20290E+03	7.93000E-02	2.14430E-01	1.70040E-02	1.49760E-01
2.20240E+03	9.00000E-02	2.14300E-01	1.92870E-02	1.69860E-01
2.20190E+03	1.00300E-01	2.14070E-01	2.14720E-02	1.89100E-01
2.20140E+03	1.11700E-01	2.13850E-01	2.38870E-02	2.10380E-01
2.20090E+03	1.24000E-01	2.13630E-01	2.64900E-02	2.33300E-01
2.20040E+03	1.36500E-01	2.13410E-01	2.91300E-02	2.56550E-01
2.19990E+03	1.50700E-01	2.13190E-01	3.21270E-02	2.82940E-01
2.19940E+03	1.66400E-01	2.12960E-01	3.54370E-02	3.12100E-01
2.19890E+03	1.81900E-01	2.12770E-01	3.87030E-02	3.40860E-01
2.19840E+03	1.96500E-01	2.12700E-01	4.17950E-02	3.68090E-01
2.19790E+03	2.10200E-01	2.12620E-01	4.46930E-02	3.93610E-01
2.19740E+03	2.23400E-01	2.12550E-01	4.74830E-02	4.18180E-01
2.19690E+03	2.37500E-01	2.12470E-01	5.04620E-02	4.44420E-01
2.19640E+03	2.53400E-01	2.12400E-01	5.38210E-02	4.74000E-01
2.19590E+03	2.70500E-01	2.12320E-01	5.74330E-02	5.05810E-01
2.19540E+03	2.86200E-01	2.12270E-01	6.07520E-02	5.35040E-01
2.19490E+03	3.00000E-01	2.12310E-01	6.36930E-02	5.60950E-01
2.19440E+03	3.14000E-01	2.12350E-01	6.66770E-02	5.87230E-01
2.19390E+03	3.27600E-01	2.12390E-01	6.95780E-02	6.12770E-01
2.19340E+03	3.38400E-01	2.12420E-01	7.18850E-02	6.33090E-01
2.19290E+03	3.45800E-01	2.12460E-01	7.34700E-02	6.47050E-01

2.19240E+03	3.51100E-01	2.12500E-01	7.46090E-02	6.57080E-01
2.19190E+03	3.54800E-01	2.12500E-01	7.53960E-02	6.64010E-01
2.19140E+03	3.58100E-01	2.12370E-01	7.60490E-02	6.69760E-01
2.19090E+03	3.60900E-01	2.12230E-01	7.65950E-02	6.74570E-01
2.19040E+03	3.62700E-01	2.12100E-01	7.69280E-02	6.77500E-01
2.18990E+03	3.63600E-01	2.11960E-01	7.70700E-02	6.78760E-01
2.18940E+03	3.63500E-01	2.11840E-01	7.70040E-02	6.78180E-01
2.18890E+03	3.63000E-01	2.11720E-01	7.68530E-02	6.76850E-01
2.18840E+03	3.62500E-01	2.11600E-01	7.67070E-02	6.75560E-01
2.18790E+03	3.61900E-01	2.11520E-01	7.65510E-02	6.74180E-01
2.18740E+03	3.61200E-01	2.11440E-01	7.63740E-02	6.72620E-01
2.18690E+03	3.59300E-01	2.11360E-01	7.59430E-02	6.68830E-01
2.18640E+03	3.56600E-01	2.11280E-01	7.53440E-02	6.63550E-01
2.18590E+03	3.55400E-01	2.11200E-01	7.50610E-02	6.61070E-01
2.18540E+03	3.57400E-01	2.11120E-01	7.54550E-02	6.64540E-01
2.18490E+03	3.61400E-01	2.11060E-01	7.62760E-02	6.71760E-01
2.18440E+03	3.67400E-01	2.11030E-01	7.75330E-02	6.82840E-01
2.18390E+03	3.76000E-01	2.11010E-01	7.93390E-02	6.98740E-01
2.18340E+03	3.87100E-01	2.10980E-01	8.16710E-02	7.19280E-01
2.18290E+03	4.00100E-01	2.10960E-01	8.44040E-02	7.43340E-01
2.18240E+03	4.15900E-01	2.10930E-01	8.77260E-02	7.72610E-01
2.18190E+03	4.34600E-01	2.10910E-01	9.16600E-02	8.07250E-01
2.18140E+03	4.55100E-01	2.10870E-01	9.59650E-02	8.45170E-01
2.18090E+03	4.76300E-01	2.10770E-01	1.00390E-01	8.84120E-01
2.18040E+03	4.96900E-01	2.10670E-01	1.04680E-01	9.21930E-01
2.17990E+03	5.14300E-01	2.10570E-01	1.08300E-01	9.53760E-01
2.17940E+03	5.26500E-01	2.10470E-01	1.10810E-01	9.75920E-01
2.17890E+03	5.35000E-01	2.10370E-01	1.12550E-01	9.91210E-01
2.17840E+03	5.40000E-01	2.10270E-01	1.13550E-01	1.00000E+00
2.17790E+03	5.38100E-01	2.10170E-01	1.13090E-01	9.95990E-01
2.17740E+03	5.27700E-01	2.10040E-01	1.10840E-01	9.76170E-01
2.17690E+03	5.10900E-01	2.09920E-01	1.07250E-01	9.44540E-01
2.17640E+03	4.89500E-01	2.09800E-01	1.02700E-01	9.04460E-01
2.17590E+03	4.62300E-01	2.09680E-01	9.69340E-02	8.53700E-01
2.17540E+03	4.29000E-01	2.09560E-01	8.99000E-02	7.91750E-01
2.17490E+03	3.91300E-01	2.09430E-01	8.19520E-02	7.21750E-01
2.17440E+03	3.49800E-01	2.09310E-01	7.32150E-02	6.44810E-01
2.17390E+03	3.04100E-01	2.09160E-01	6.36050E-02	5.60170E-01
2.17340E+03	2.58300E-01	2.09010E-01	5.39870E-02	4.75460E-01
2.17290E+03	2.16800E-01	2.08860E-01	4.52800E-02	3.98790E-01
2.17240E+03	1.79500E-01	2.08710E-01	3.74630E-02	3.29940E-01
2.17190E+03	1.45400E-01	2.08560E-01	3.03250E-02	2.67070E-01
2.17140E+03	1.15900E-01	2.08410E-01	2.41550E-02	2.12730E-01
2.17090E+03	9.31000E-02	2.08280E-01	1.93900E-02	1.70770E-01
2.17040E+03	7.59000E-02	2.08180E-01	1.58010E-02	1.39160E-01
2.16990E+03	6.08000E-02	2.08090E-01	1.26520E-02	1.11430E-01
2.16940E+03	4.69000E-02	2.08010E-01	9.75570E-03	8.59180E-02
2.16890E+03	3.69000E-02	2.07930E-01	7.67260E-03	6.75730E-02
2.16840E+03	3.05000E-02	2.07850E-01	6.33940E-03	5.58310E-02

2.16790E+03	2.54000E-02	2.07770E-01	5.27730E-03	4.64770E-02
2.16740E+03	2.08000E-02	2.07690E-01	4.31990E-03	3.80460E-02
2.16690E+03	1.81000E-02	2.07630E-01	3.75800E-03	3.30970E-02
2.16640E+03	1.69000E-02	2.07560E-01	3.50780E-03	3.08930E-02
2.16590E+03	1.55000E-02	2.07500E-01	3.21630E-03	2.83260E-02
2.16540E+03	1.35000E-02	2.07440E-01	2.80040E-03	2.46630E-02
2.16510E+03	1.00000E-02	2.07400E-01	2.07400E-03	1.82660E-02
2.16390E+03	0.00000E+00	2.07240E-01	0.00000E+00	0.00000E+00
Channel 14				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.24200E+03	0.00000E+00	2.21380E-01	0.00000E+00	0.00000E+00
2.24160E+03	1.00000E-03	2.21320E-01	2.21320E-04	1.54120E-03
2.23920E+03	3.25000E-03	2.20610E-01	7.16990E-04	4.99280E-03
2.23690E+03	5.50000E-03	2.19940E-01	1.20970E-03	8.42370E-03
2.23460E+03	7.75000E-03	2.19770E-01	1.70320E-03	1.18600E-02
2.23220E+03	1.00000E-02	2.19950E-01	2.19950E-03	1.53160E-02
2.23180E+03	1.33000E-02	2.19990E-01	2.92590E-03	2.03750E-02
2.23130E+03	1.78000E-02	2.20060E-01	3.91700E-03	2.72760E-02
2.23080E+03	2.00000E-02	2.20120E-01	4.40230E-03	3.06560E-02
2.23030E+03	2.00000E-02	2.20130E-01	4.40260E-03	3.06580E-02
2.22980E+03	2.20000E-02	2.20080E-01	4.84180E-03	3.37160E-02
2.22930E+03	2.62000E-02	2.20040E-01	5.76490E-03	4.01440E-02
2.22880E+03	3.11000E-02	2.19990E-01	6.84160E-03	4.76420E-02
2.22830E+03	3.77000E-02	2.19940E-01	8.29180E-03	5.77400E-02
2.22780E+03	4.55000E-02	2.19890E-01	1.00050E-02	6.96700E-02
2.22730E+03	5.40000E-02	2.19850E-01	1.18720E-02	8.26690E-02
2.22680E+03	6.48000E-02	2.19780E-01	1.42420E-02	9.91730E-02
2.22630E+03	8.06000E-02	2.19680E-01	1.77060E-02	1.23300E-01
2.22580E+03	1.00000E-01	2.19570E-01	2.19570E-02	1.52900E-01
2.22530E+03	1.20700E-01	2.19470E-01	2.64900E-02	1.84460E-01
2.22480E+03	1.41600E-01	2.19360E-01	3.10620E-02	2.16300E-01
2.22430E+03	1.64700E-01	2.19260E-01	3.61120E-02	2.51460E-01
2.22380E+03	1.93400E-01	2.19150E-01	4.23840E-02	2.95140E-01
2.22330E+03	2.26700E-01	2.19080E-01	4.96660E-02	3.45850E-01
2.22280E+03	2.60300E-01	2.19080E-01	5.70260E-02	3.97100E-01
2.22230E+03	2.93100E-01	2.19070E-01	6.42100E-02	4.47130E-01
2.22180E+03	3.27200E-01	2.19070E-01	7.16790E-02	4.99130E-01
2.22130E+03	3.62700E-01	2.19060E-01	7.94540E-02	5.53270E-01
2.22080E+03	3.97500E-01	2.19060E-01	8.70750E-02	6.06340E-01
2.22030E+03	4.31500E-01	2.19050E-01	9.45190E-02	6.58180E-01
2.21980E+03	4.63600E-01	2.18980E-01	1.01520E-01	7.06920E-01
2.21930E+03	4.92300E-01	2.18820E-01	1.07720E-01	7.50130E-01
2.21880E+03	5.17900E-01	2.18650E-01	1.13240E-01	7.88550E-01
2.21830E+03	5.41700E-01	2.18490E-01	1.18360E-01	8.24180E-01
2.21780E+03	5.63600E-01	2.18330E-01	1.23050E-01	8.56860E-01

2.21730E+03	5.82500E-01	2.18170E-01	1.27080E-01	8.84940E-01
2.21680E+03	5.97500E-01	2.18000E-01	1.30260E-01	9.07050E-01
2.21630E+03	6.09400E-01	2.17840E-01	1.32750E-01	9.24430E-01
2.21580E+03	6.20200E-01	2.17690E-01	1.35010E-01	9.40160E-01
2.21530E+03	6.28900E-01	2.17540E-01	1.36810E-01	9.52670E-01
2.21480E+03	6.34400E-01	2.17380E-01	1.37910E-01	9.60330E-01
2.21430E+03	6.38800E-01	2.17230E-01	1.38770E-01	9.66310E-01
2.21380E+03	6.43600E-01	2.17080E-01	1.39710E-01	9.72880E-01
2.21330E+03	6.48300E-01	2.16920E-01	1.40630E-01	9.79290E-01
2.21280E+03	6.52600E-01	2.16780E-01	1.41470E-01	9.85120E-01
2.21230E+03	6.56900E-01	2.16650E-01	1.42320E-01	9.91040E-01
2.21180E+03	6.61000E-01	2.16530E-01	1.43130E-01	9.96660E-01
2.21130E+03	6.63600E-01	2.16400E-01	1.43610E-01	1.00000E+00
2.21080E+03	6.63800E-01	2.16280E-01	1.43570E-01	9.99730E-01
2.21030E+03	6.62600E-01	2.16160E-01	1.43220E-01	9.97340E-01
2.20980E+03	6.62200E-01	2.16030E-01	1.43060E-01	9.96170E-01
2.20930E+03	6.61200E-01	2.15910E-01	1.42760E-01	9.94120E-01
2.20880E+03	6.56000E-01	2.15790E-01	1.41560E-01	9.85750E-01
2.20830E+03	6.46500E-01	2.15670E-01	1.39430E-01	9.70940E-01
2.20780E+03	6.36200E-01	2.15550E-01	1.37130E-01	9.54940E-01
2.20730E+03	6.27300E-01	2.15430E-01	1.35140E-01	9.41050E-01
2.20680E+03	6.17400E-01	2.15310E-01	1.32930E-01	9.25690E-01
2.20630E+03	6.05300E-01	2.15190E-01	1.30260E-01	9.07050E-01
2.20580E+03	5.90700E-01	2.15080E-01	1.27050E-01	8.84700E-01
2.20530E+03	5.74000E-01	2.14970E-01	1.23390E-01	8.59240E-01
2.20480E+03	5.55500E-01	2.14860E-01	1.19350E-01	8.31110E-01
2.20430E+03	5.36200E-01	2.14740E-01	1.15150E-01	8.01820E-01
2.20380E+03	5.15500E-01	2.14630E-01	1.10640E-01	7.70460E-01
2.20330E+03	4.92600E-01	2.14520E-01	1.05670E-01	7.35850E-01
2.20280E+03	4.68000E-01	2.14410E-01	1.00340E-01	6.98740E-01
2.20230E+03	4.41600E-01	2.14250E-01	9.46140E-02	6.58840E-01
2.20180E+03	4.14000E-01	2.14030E-01	8.86090E-02	6.17030E-01
2.20130E+03	3.85700E-01	2.13810E-01	8.24660E-02	5.74250E-01
2.20080E+03	3.57800E-01	2.13590E-01	7.64210E-02	5.32160E-01
2.20030E+03	3.29000E-01	2.13360E-01	7.01970E-02	4.88810E-01
2.19980E+03	2.99100E-01	2.13140E-01	6.37510E-02	4.43930E-01
2.19930E+03	2.69700E-01	2.12920E-01	5.74250E-02	3.99880E-01
2.19880E+03	2.42900E-01	2.12760E-01	5.16790E-02	3.59870E-01
2.19830E+03	2.19100E-01	2.12680E-01	4.65990E-02	3.24490E-01
2.19780E+03	1.95700E-01	2.12610E-01	4.16070E-02	2.89730E-01
2.19730E+03	1.70900E-01	2.12530E-01	3.63220E-02	2.52930E-01
2.19680E+03	1.46400E-01	2.12460E-01	3.11040E-02	2.16590E-01
2.19630E+03	1.25100E-01	2.12380E-01	2.65690E-02	1.85010E-01
2.19580E+03	1.06700E-01	2.12310E-01	2.26530E-02	1.57750E-01
2.19530E+03	9.04000E-02	2.12280E-01	1.91900E-02	1.33630E-01
2.19480E+03	7.68000E-02	2.12320E-01	1.63060E-02	1.13550E-01
2.19430E+03	6.54000E-02	2.12360E-01	1.38880E-02	9.67100E-02
2.19380E+03	5.55000E-02	2.12390E-01	1.17880E-02	8.20850E-02
2.19330E+03	4.61000E-02	2.12430E-01	9.79310E-03	6.81950E-02

2.19280E+03	3.78000E-02	2.12470E-01	8.03140E-03	5.59270E-02
2.19230E+03	3.38000E-02	2.12510E-01	7.18280E-03	5.00170E-02
2.19180E+03	3.21000E-02	2.12480E-01	6.82040E-03	4.74940E-02
2.19130E+03	2.73000E-02	2.12340E-01	5.79690E-03	4.03670E-02
2.19080E+03	2.01000E-02	2.12210E-01	4.26530E-03	2.97020E-02
2.19030E+03	1.62000E-02	2.12070E-01	3.43550E-03	2.39230E-02
2.18980E+03	1.55000E-02	2.11940E-01	3.28510E-03	2.28760E-02
2.18930E+03	1.35000E-02	2.11820E-01	2.85950E-03	1.99120E-02
2.18850E+03	1.00000E-02	2.11620E-01	2.11620E-03	1.47360E-02
2.18600E+03	7.75000E-03	2.11220E-01	1.63700E-03	1.13990E-02
2.18360E+03	5.50000E-03	2.10990E-01	1.16040E-03	8.08070E-03
2.18110E+03	3.25000E-03	2.10800E-01	6.85110E-04	4.77070E-03
2.17860E+03	1.00000E-03	2.10310E-01	2.10310E-04	1.46450E-03
2.17800E+03	0.00000E+00	2.10190E-01	0.00000E+00	0.00000E+00
Channel 15				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.26400E+03	0.00000E+00	2.25540E-01	0.00000E+00	0.00000E+00
2.26380E+03	1.00000E-03	2.25480E-01	2.25480E-04	1.55230E-03
2.26160E+03	3.25000E-03	2.24950E-01	7.31080E-04	5.03310E-03
2.25940E+03	5.50000E-03	2.24590E-01	1.23520E-03	8.50400E-03
2.25720E+03	7.75000E-03	2.24210E-01	1.73770E-03	1.19630E-02
2.25500E+03	1.00000E-02	2.23820E-01	2.23820E-03	1.54080E-02
2.25420E+03	1.04000E-02	2.23540E-01	2.32490E-03	1.60050E-02
2.25370E+03	1.39000E-02	2.23370E-01	3.10490E-03	2.13750E-02
2.25320E+03	1.88000E-02	2.23200E-01	4.19620E-03	2.88890E-02
2.25270E+03	2.22000E-02	2.23030E-01	4.95130E-03	3.40870E-02
2.25220E+03	2.22000E-02	2.22860E-01	4.94760E-03	3.40610E-02
2.25170E+03	2.37000E-02	2.22700E-01	5.27790E-03	3.63350E-02
2.25120E+03	3.04000E-02	2.22530E-01	6.76500E-03	4.65730E-02
2.25070E+03	3.92000E-02	2.22370E-01	8.71690E-03	6.00110E-02
2.25020E+03	4.80000E-02	2.22210E-01	1.06660E-02	7.34290E-02
2.24970E+03	5.72000E-02	2.22050E-01	1.27010E-02	8.74410E-02
2.24920E+03	6.76000E-02	2.21890E-01	1.50000E-02	1.03270E-01
2.24870E+03	8.06000E-02	2.21730E-01	1.78720E-02	1.23040E-01
2.24820E+03	9.65000E-02	2.21580E-01	2.13820E-02	1.47210E-01
2.24770E+03	1.15300E-01	2.21530E-01	2.55430E-02	1.75850E-01
2.24720E+03	1.37300E-01	2.21560E-01	3.04200E-02	2.09430E-01
2.24670E+03	1.62100E-01	2.21590E-01	3.59200E-02	2.47290E-01
2.24620E+03	1.89000E-01	2.21620E-01	4.18850E-02	2.88360E-01
2.24570E+03	2.18400E-01	2.21640E-01	4.84070E-02	3.33250E-01
2.24520E+03	2.50300E-01	2.21670E-01	5.54840E-02	3.81980E-01
2.24470E+03	2.82300E-01	2.21700E-01	6.25850E-02	4.30870E-01
2.24420E+03	3.14400E-01	2.21670E-01	6.96930E-02	4.79800E-01
2.24370E+03	3.47000E-01	2.21600E-01	7.68960E-02	5.29390E-01
2.24320E+03	3.78900E-01	2.21540E-01	8.39400E-02	5.77880E-01

2.24270E+03	4.09300E-01	2.21470E-01	9.06480E-02	6.24060E-01
2.24220E+03	4.37900E-01	2.21400E-01	9.69520E-02	6.67460E-01
2.24170E+03	4.64600E-01	2.21340E-01	1.02830E-01	7.07940E-01
2.24120E+03	4.89300E-01	2.21270E-01	1.08270E-01	7.45350E-01
2.24070E+03	5.12100E-01	2.21130E-01	1.13240E-01	7.79610E-01
2.24020E+03	5.33300E-01	2.20950E-01	1.17830E-01	8.11220E-01
2.23970E+03	5.52200E-01	2.20770E-01	1.21910E-01	8.39290E-01
2.23920E+03	5.68200E-01	2.20600E-01	1.25340E-01	8.62910E-01
2.23870E+03	5.81600E-01	2.20420E-01	1.28190E-01	8.82550E-01
2.23820E+03	5.93500E-01	2.20240E-01	1.30710E-01	8.99870E-01
2.23770E+03	6.04500E-01	2.20060E-01	1.33030E-01	9.15810E-01
2.23720E+03	6.14500E-01	2.19970E-01	1.35170E-01	9.30570E-01
2.23670E+03	6.23300E-01	2.19930E-01	1.37080E-01	9.43730E-01
2.23620E+03	6.30000E-01	2.19890E-01	1.38530E-01	9.53720E-01
2.23570E+03	6.36200E-01	2.19860E-01	1.39870E-01	9.62940E-01
2.23520E+03	6.43100E-01	2.19820E-01	1.41360E-01	9.73220E-01
2.23470E+03	6.49800E-01	2.19780E-01	1.42810E-01	9.83190E-01
2.23420E+03	6.55000E-01	2.19740E-01	1.43930E-01	9.90880E-01
2.23370E+03	6.58100E-01	2.19760E-01	1.44620E-01	9.95660E-01
2.23320E+03	6.59900E-01	2.19820E-01	1.45060E-01	9.98660E-01
2.23270E+03	6.60600E-01	2.19880E-01	1.45260E-01	1.00000E+00
2.23220E+03	6.59600E-01	2.19950E-01	1.45080E-01	9.98770E-01
2.23170E+03	6.55600E-01	2.20010E-01	1.44240E-01	9.92990E-01
2.23120E+03	6.48200E-01	2.20070E-01	1.42650E-01	9.82060E-01
2.23070E+03	6.38300E-01	2.20130E-01	1.40510E-01	9.67320E-01
2.23020E+03	6.26600E-01	2.20120E-01	1.37930E-01	9.49560E-01
2.22970E+03	6.14200E-01	2.20070E-01	1.35170E-01	9.30560E-01
2.22920E+03	6.00100E-01	2.20030E-01	1.32040E-01	9.09000E-01
2.22870E+03	5.83200E-01	2.19980E-01	1.28290E-01	8.83210E-01
2.22820E+03	5.64800E-01	2.19930E-01	1.24220E-01	8.55160E-01
2.22770E+03	5.45800E-01	2.19880E-01	1.20010E-01	8.26220E-01
2.22720E+03	5.25900E-01	2.19840E-01	1.15610E-01	7.95940E-01
2.22670E+03	5.05400E-01	2.19760E-01	1.11070E-01	7.64630E-01
2.22620E+03	4.85000E-01	2.19660E-01	1.06530E-01	7.33420E-01
2.22570E+03	4.63900E-01	2.19550E-01	1.01850E-01	7.01180E-01
2.22520E+03	4.41900E-01	2.19450E-01	9.69730E-02	6.67610E-01
2.22470E+03	4.19300E-01	2.19340E-01	9.19700E-02	6.33160E-01
2.22420E+03	3.96500E-01	2.19240E-01	8.69270E-02	5.98450E-01
2.22370E+03	3.74600E-01	2.19130E-01	8.20860E-02	5.65120E-01
2.22320E+03	3.53200E-01	2.19080E-01	7.73800E-02	5.32720E-01
2.22270E+03	3.30500E-01	2.19080E-01	7.24050E-02	4.98470E-01
2.22220E+03	3.06400E-01	2.19070E-01	6.71240E-02	4.62110E-01
2.22170E+03	2.83100E-01	2.19070E-01	6.20180E-02	4.26960E-01
2.22120E+03	2.61700E-01	2.19060E-01	5.73280E-02	3.94670E-01
2.22070E+03	2.41200E-01	2.19050E-01	5.28360E-02	3.63750E-01
2.22020E+03	2.20900E-01	2.19050E-01	4.83870E-02	3.33120E-01
2.21970E+03	2.00100E-01	2.18940E-01	4.38110E-02	3.01610E-01
2.21920E+03	1.79400E-01	2.18780E-01	3.92500E-02	2.70210E-01
2.21870E+03	1.60200E-01	2.18620E-01	3.50230E-02	2.41110E-01

2.21820E+03	1.43100E-01	2.18460E-01	3.12610E-02	2.15220E-01
2.21770E+03	1.27400E-01	2.18300E-01	2.78110E-02	1.91460E-01
2.21720E+03	1.11500E-01	2.18130E-01	2.43220E-02	1.67440E-01
2.21670E+03	9.63000E-02	2.17970E-01	2.09910E-02	1.44510E-01
2.21620E+03	8.42000E-02	2.17810E-01	1.83400E-02	1.26260E-01
2.21570E+03	7.39000E-02	2.17660E-01	1.60850E-02	1.10740E-01
2.21520E+03	6.34000E-02	2.17510E-01	1.37900E-02	9.49360E-02
2.21470E+03	5.32000E-02	2.17350E-01	1.15630E-02	7.96060E-02
2.21420E+03	4.51000E-02	2.17200E-01	9.79580E-03	6.74380E-02
2.21370E+03	3.95000E-02	2.17050E-01	8.57340E-03	5.90230E-02
2.21320E+03	3.43000E-02	2.16890E-01	7.43940E-03	5.12160E-02
2.21270E+03	2.87000E-02	2.16750E-01	6.22080E-03	4.28270E-02
2.21220E+03	2.38000E-02	2.16630E-01	5.15580E-03	3.54950E-02
2.21170E+03	2.08000E-02	2.16500E-01	4.50330E-03	3.10030E-02
2.21120E+03	1.89000E-02	2.16380E-01	4.08960E-03	2.81540E-02
2.21070E+03	1.59000E-02	2.16250E-01	3.43850E-03	2.36720E-02
2.21020E+03	1.27000E-02	2.16130E-01	2.74490E-03	1.88970E-02
2.20960E+03	1.00000E-02	2.15980E-01	2.15980E-03	1.48690E-02
2.20720E+03	7.75000E-03	2.15420E-01	1.66950E-03	1.14940E-02
2.20490E+03	5.50000E-03	2.14880E-01	1.18180E-03	8.13620E-03
2.20260E+03	3.25000E-03	2.14350E-01	6.96650E-04	4.79600E-03
2.20020E+03	1.00000E-03	2.13320E-01	2.13320E-04	1.46860E-03
2.20000E+03	0.00000E+00	2.13230E-01	0.00000E+00	0.00000E+00
Channel 16				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.26400E+03	0.00000E+00	2.25540E-01	0.00000E+00	0.00000E+00
2.26370E+03	6.00000E-03	2.25460E-01	1.35270E-03	9.96440E-03
2.26340E+03	6.00000E-03	2.25380E-01	1.35230E-03	9.96090E-03
2.26310E+03	4.00000E-03	2.25300E-01	9.01200E-04	6.63830E-03
2.26280E+03	5.00000E-03	2.25220E-01	1.12610E-03	8.29490E-03
2.26250E+03	6.00000E-03	2.25140E-01	1.35090E-03	9.95040E-03
2.26220E+03	7.00000E-03	2.25070E-01	1.57550E-03	1.16050E-02
2.26190E+03	8.00000E-03	2.25000E-01	1.80000E-03	1.32590E-02
2.26160E+03	8.00000E-03	2.24950E-01	1.79960E-03	1.32560E-02
2.26130E+03	9.00000E-03	2.24900E-01	2.02410E-03	1.49090E-02
2.26100E+03	1.00000E-02	2.24850E-01	2.24850E-03	1.65620E-02
2.26070E+03	1.00000E-02	2.24800E-01	2.24800E-03	1.65590E-02
2.26040E+03	1.20000E-02	2.24750E-01	2.69700E-03	1.98660E-02
2.26010E+03	1.50000E-02	2.24700E-01	3.37060E-03	2.48280E-02
2.25980E+03	1.60000E-02	2.24650E-01	3.59450E-03	2.64770E-02
2.25950E+03	1.60000E-02	2.24610E-01	3.59370E-03	2.64710E-02
2.25920E+03	1.90000E-02	2.24560E-01	4.26660E-03	3.14280E-02
2.25890E+03	2.20000E-02	2.24510E-01	4.93920E-03	3.63820E-02
2.25860E+03	2.40000E-02	2.24460E-01	5.38710E-03	3.96810E-02
2.25830E+03	2.70000E-02	2.24410E-01	6.05910E-03	4.46310E-02

2.25800E+03	3.00000E-02	2.24360E-01	6.73070E-03	4.95780E-02
2.25770E+03	3.60000E-02	2.24300E-01	8.07490E-03	5.94800E-02
2.25740E+03	3.90000E-02	2.24250E-01	8.74570E-03	6.44210E-02
2.25710E+03	4.20000E-02	2.24200E-01	9.41620E-03	6.93600E-02
2.25680E+03	5.00000E-02	2.24140E-01	1.12070E-02	8.25520E-02
2.25650E+03	5.60000E-02	2.24090E-01	1.25490E-02	9.24360E-02
2.25620E+03	6.30000E-02	2.24030E-01	1.41140E-02	1.03970E-01
2.25590E+03	7.10000E-02	2.23980E-01	1.59030E-02	1.17140E-01
2.25560E+03	8.50000E-02	2.23930E-01	1.90340E-02	1.40200E-01
2.25530E+03	9.70000E-02	2.23870E-01	2.17160E-02	1.59960E-01
2.25500E+03	1.12000E-01	2.23820E-01	2.50670E-02	1.84650E-01
2.25470E+03	1.33000E-01	2.23710E-01	2.97540E-02	2.19170E-01
2.25440E+03	1.51000E-01	2.23610E-01	3.37650E-02	2.48720E-01
2.25410E+03	1.75000E-01	2.23510E-01	3.91140E-02	2.88110E-01
2.25380E+03	2.03000E-01	2.23410E-01	4.53520E-02	3.34060E-01
2.25350E+03	2.36000E-01	2.23310E-01	5.27000E-02	3.88190E-01
2.25320E+03	2.59000E-01	2.23200E-01	5.78100E-02	4.25830E-01
2.25290E+03	2.93000E-01	2.23100E-01	6.53690E-02	4.81510E-01
2.25260E+03	3.28000E-01	2.23000E-01	7.31440E-02	5.38780E-01
2.25230E+03	3.63000E-01	2.22900E-01	8.09120E-02	5.96000E-01
2.25200E+03	3.96000E-01	2.22800E-01	8.82270E-02	6.49880E-01
2.25170E+03	4.35000E-01	2.22700E-01	9.68730E-02	7.13560E-01
2.25140E+03	4.62000E-01	2.22600E-01	1.02840E-01	7.57520E-01
2.25110E+03	4.97000E-01	2.22500E-01	1.10580E-01	8.14550E-01
2.25080E+03	5.18000E-01	2.22400E-01	1.15200E-01	8.48600E-01
2.25050E+03	5.41000E-01	2.22310E-01	1.20270E-01	8.85890E-01
2.25020E+03	5.65000E-01	2.22210E-01	1.25550E-01	9.24780E-01
2.24990E+03	5.84000E-01	2.22110E-01	1.29710E-01	9.55470E-01
2.24960E+03	5.95000E-01	2.22020E-01	1.32100E-01	9.73050E-01
2.24930E+03	6.03000E-01	2.21920E-01	1.33820E-01	9.85710E-01
2.24900E+03	6.12000E-01	2.21830E-01	1.35760E-01	1.00000E+00
2.24870E+03	6.12000E-01	2.21730E-01	1.35700E-01	9.99570E-01
2.24840E+03	6.08000E-01	2.21640E-01	1.34760E-01	9.92620E-01
2.24810E+03	6.06000E-01	2.21550E-01	1.34260E-01	9.88950E-01
2.24780E+03	6.00000E-01	2.21530E-01	1.32920E-01	9.79070E-01
2.24750E+03	5.91000E-01	2.21550E-01	1.30930E-01	9.64450E-01
2.24720E+03	5.82000E-01	2.21560E-01	1.28950E-01	9.49840E-01
2.24690E+03	5.72000E-01	2.21580E-01	1.26740E-01	9.33590E-01
2.24660E+03	5.61000E-01	2.21590E-01	1.24310E-01	9.15700E-01
2.24630E+03	5.50000E-01	2.21610E-01	1.21890E-01	8.97810E-01
2.24600E+03	5.41000E-01	2.21630E-01	1.19900E-01	8.83180E-01
2.24570E+03	5.32000E-01	2.21640E-01	1.17910E-01	8.68550E-01
2.24540E+03	5.24000E-01	2.21660E-01	1.16150E-01	8.55550E-01
2.24510E+03	5.16000E-01	2.21670E-01	1.14380E-01	8.42550E-01
2.24480E+03	5.11000E-01	2.21690E-01	1.13280E-01	8.34460E-01
2.24450E+03	5.06000E-01	2.21710E-01	1.12190E-01	8.26360E-01
2.24420E+03	5.02000E-01	2.21670E-01	1.11280E-01	8.19680E-01
2.24390E+03	4.99000E-01	2.21630E-01	1.10590E-01	8.14630E-01
2.24360E+03	4.97000E-01	2.21590E-01	1.10130E-01	8.11220E-01

2.24330E+03	4.94000E-01	2.21550E-01	1.09450E-01	8.06180E-01
2.24300E+03	4.96000E-01	2.21510E-01	1.09870E-01	8.09290E-01
2.24270E+03	4.96000E-01	2.21470E-01	1.09850E-01	8.09150E-01
2.24240E+03	4.98000E-01	2.21430E-01	1.10270E-01	8.12260E-01
2.24210E+03	5.01000E-01	2.21390E-01	1.10920E-01	8.17010E-01
2.24180E+03	5.04000E-01	2.21350E-01	1.11560E-01	8.21750E-01
2.24150E+03	5.07000E-01	2.21310E-01	1.12200E-01	8.26490E-01
2.24120E+03	5.11000E-01	2.21270E-01	1.13070E-01	8.32860E-01
2.24090E+03	5.16000E-01	2.21200E-01	1.14140E-01	8.40760E-01
2.24060E+03	5.20000E-01	2.21100E-01	1.14970E-01	8.46870E-01
2.24030E+03	5.25000E-01	2.20990E-01	1.16020E-01	8.54600E-01
2.24000E+03	5.29000E-01	2.20880E-01	1.16850E-01	8.60690E-01
2.23970E+03	5.35000E-01	2.20770E-01	1.18110E-01	8.70030E-01
2.23940E+03	5.39000E-01	2.20670E-01	1.18940E-01	8.76110E-01
2.23910E+03	5.43000E-01	2.20560E-01	1.19760E-01	8.82180E-01
2.23880E+03	5.48000E-01	2.20450E-01	1.20810E-01	8.89870E-01
2.23850E+03	5.52000E-01	2.20350E-01	1.21630E-01	8.95930E-01
2.23820E+03	5.54000E-01	2.20240E-01	1.22010E-01	8.98740E-01
2.23790E+03	5.59000E-01	2.20130E-01	1.23050E-01	9.06410E-01
2.23760E+03	5.60000E-01	2.20020E-01	1.23210E-01	9.07590E-01
2.23730E+03	5.63000E-01	2.19970E-01	1.23850E-01	9.12250E-01
2.23700E+03	5.63000E-01	2.19950E-01	1.23830E-01	9.12150E-01
2.23670E+03	5.65000E-01	2.19930E-01	1.24260E-01	9.15300E-01
2.23640E+03	5.66000E-01	2.19910E-01	1.24470E-01	9.16830E-01
2.23610E+03	5.66000E-01	2.19890E-01	1.24450E-01	9.16740E-01
2.23580E+03	5.66000E-01	2.19860E-01	1.24440E-01	9.16640E-01
2.23550E+03	5.63000E-01	2.19840E-01	1.23770E-01	9.11690E-01
2.23520E+03	5.62000E-01	2.19820E-01	1.23540E-01	9.09980E-01
2.23490E+03	5.60000E-01	2.19800E-01	1.23090E-01	9.06650E-01
2.23460E+03	5.55000E-01	2.19770E-01	1.21970E-01	8.98460E-01
2.23430E+03	5.50000E-01	2.19750E-01	1.20860E-01	8.90270E-01
2.23400E+03	5.46000E-01	2.19720E-01	1.19970E-01	8.83690E-01
2.23370E+03	5.39000E-01	2.19760E-01	1.18450E-01	8.72510E-01
2.23340E+03	5.31000E-01	2.19800E-01	1.16710E-01	8.59700E-01
2.23310E+03	5.23000E-01	2.19830E-01	1.14970E-01	8.46890E-01
2.23280E+03	5.15000E-01	2.19870E-01	1.13230E-01	8.34080E-01
2.23250E+03	5.03000E-01	2.19910E-01	1.10610E-01	8.14780E-01
2.23220E+03	4.94000E-01	2.19950E-01	1.08650E-01	8.00340E-01
2.23190E+03	4.83000E-01	2.19980E-01	1.06250E-01	7.82650E-01
2.23160E+03	4.70000E-01	2.20020E-01	1.03410E-01	7.61710E-01
2.23130E+03	4.57000E-01	2.20060E-01	1.00570E-01	7.40770E-01
2.23100E+03	4.42000E-01	2.20090E-01	9.72810E-02	7.16570E-01
2.23070E+03	4.27000E-01	2.20130E-01	9.39950E-02	6.92370E-01
2.23040E+03	4.11000E-01	2.20140E-01	9.04780E-02	6.66460E-01
2.23010E+03	3.95000E-01	2.20110E-01	8.69440E-02	6.40430E-01
2.22980E+03	3.80000E-01	2.20080E-01	8.36320E-02	6.16030E-01
2.22950E+03	3.62000E-01	2.20050E-01	7.96600E-02	5.86770E-01
2.22920E+03	3.47000E-01	2.20030E-01	7.63490E-02	5.62390E-01
2.22890E+03	3.29000E-01	2.20000E-01	7.23790E-02	5.33150E-01

2.22860E+03	3.10000E-01	2.19970E-01	6.81900E-02	5.02290E-01
2.22830E+03	2.95000E-01	2.19940E-01	6.48820E-02	4.77920E-01
2.22800E+03	2.79000E-01	2.19910E-01	6.13550E-02	4.51940E-01
2.22770E+03	2.62000E-01	2.19880E-01	5.76090E-02	4.24350E-01
2.22740E+03	2.44000E-01	2.19860E-01	5.36450E-02	3.95150E-01
2.22710E+03	2.28000E-01	2.19830E-01	5.01220E-02	3.69200E-01
2.22680E+03	2.14000E-01	2.19780E-01	4.70330E-02	3.46450E-01
2.22650E+03	1.98000E-01	2.19720E-01	4.35040E-02	3.20450E-01
2.22620E+03	1.84000E-01	2.19660E-01	4.04170E-02	2.97710E-01
2.22590E+03	1.70000E-01	2.19590E-01	3.73310E-02	2.74980E-01
2.22560E+03	1.56000E-01	2.19530E-01	3.42470E-02	2.52260E-01
2.22530E+03	1.45000E-01	2.19470E-01	3.18230E-02	2.34410E-01
2.22500E+03	1.32000E-01	2.19400E-01	2.89610E-02	2.13330E-01
2.22470E+03	1.21000E-01	2.19340E-01	2.65400E-02	1.95500E-01
2.22440E+03	1.12000E-01	2.19280E-01	2.45590E-02	1.80900E-01
2.22410E+03	1.01000E-01	2.19220E-01	2.21410E-02	1.63090E-01
2.22380E+03	9.40000E-02	2.19150E-01	2.06000E-02	1.51740E-01
2.22350E+03	8.50000E-02	2.19090E-01	1.86220E-02	1.37170E-01
2.22320E+03	7.80000E-02	2.19080E-01	1.70880E-02	1.25870E-01
2.22290E+03	7.10000E-02	2.19080E-01	1.55550E-02	1.14580E-01
2.22260E+03	6.50000E-02	2.19080E-01	1.42400E-02	1.04890E-01
2.22230E+03	6.00000E-02	2.19070E-01	1.31440E-02	9.68210E-02
2.22200E+03	5.40000E-02	2.19070E-01	1.18300E-02	8.71380E-02
2.22170E+03	4.90000E-02	2.19070E-01	1.07340E-02	7.90680E-02
2.22140E+03	4.60000E-02	2.19060E-01	1.00770E-02	7.42260E-02
2.22110E+03	4.10000E-02	2.19060E-01	8.98140E-03	6.61570E-02
2.22080E+03	3.70000E-02	2.19060E-01	8.10510E-03	5.97020E-02
2.22050E+03	3.60000E-02	2.19050E-01	7.88590E-03	5.80870E-02
2.22020E+03	3.20000E-02	2.19050E-01	7.00950E-03	5.16320E-02
2.21990E+03	2.90000E-02	2.19010E-01	6.35130E-03	4.67830E-02
2.21960E+03	2.60000E-02	2.18910E-01	5.69170E-03	4.19250E-02
2.21930E+03	2.50000E-02	2.18820E-01	5.47040E-03	4.02950E-02
2.21900E+03	2.10000E-02	2.18720E-01	4.59310E-03	3.38330E-02
2.21870E+03	1.80000E-02	2.18620E-01	3.93520E-03	2.89870E-02
2.21840E+03	1.70000E-02	2.18520E-01	3.71490E-03	2.73640E-02
2.21810E+03	1.70000E-02	2.18430E-01	3.71330E-03	2.73520E-02
2.21780E+03	1.60000E-02	2.18330E-01	3.49330E-03	2.57310E-02
2.21750E+03	1.60000E-02	2.18230E-01	3.49170E-03	2.57200E-02
2.21720E+03	1.50000E-02	2.18130E-01	3.27200E-03	2.41020E-02
2.21690E+03	1.30000E-02	2.18040E-01	2.83450E-03	2.08790E-02
2.21660E+03	1.20000E-02	2.17940E-01	2.61530E-03	1.92640E-02
2.21630E+03	1.00000E-02	2.17840E-01	2.17840E-03	1.60460E-02
2.21600E+03	9.00000E-03	2.17750E-01	1.95980E-03	1.44360E-02
2.21570E+03	9.00000E-03	2.17660E-01	1.95890E-03	1.44300E-02
2.21540E+03	8.00000E-03	2.17570E-01	1.74050E-03	1.28210E-02
2.21510E+03	7.00000E-03	2.17480E-01	1.52230E-03	1.12140E-02
2.21480E+03	7.00000E-03	2.17380E-01	1.52170E-03	1.12090E-02
2.21450E+03	6.00000E-03	2.17290E-01	1.30380E-03	9.60350E-03
2.21420E+03	5.00000E-03	2.17200E-01	1.08600E-03	7.99950E-03

2.21390E+03	4.00000E-03	2.17110E-01	8.68440E-04	6.39690E-03
2.21360E+03	4.00000E-03	2.17020E-01	8.68070E-04	6.39420E-03
2.21330E+03	2.00000E-03	2.16920E-01	4.33850E-04	3.19570E-03
2.21300E+03	0.00000E+00	2.16830E-01	0.00000E+00	0.00000E+00
Channel 17				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.45800E+03	0.00000E+00	2.53840E-01	0.00000E+00	0.00000E+00
2.45710E+03	1.00000E-03	2.53720E-01	2.53720E-04	1.38540E-03
2.45370E+03	3.25000E-03	2.53220E-01	8.22960E-04	4.49360E-03
2.45040E+03	5.50000E-03	2.52500E-01	1.38870E-03	7.58280E-03
2.44710E+03	7.75000E-03	2.51900E-01	1.95220E-03	1.06590E-02
2.44370E+03	1.00000E-02	2.51630E-01	2.51630E-03	1.37400E-02
2.44220E+03	2.72100E-02	2.51270E-01	6.83710E-03	3.73320E-02
2.44120E+03	4.51500E-02	2.51030E-01	1.13340E-02	6.18860E-02
2.44020E+03	6.27400E-02	2.50870E-01	1.57390E-02	8.59420E-02
2.43920E+03	8.00000E-02	2.50900E-01	2.00720E-02	1.09600E-01
2.43820E+03	1.01240E-01	2.50940E-01	2.54050E-02	1.38720E-01
2.43720E+03	1.27650E-01	2.50970E-01	3.20370E-02	1.74930E-01
2.43620E+03	1.58360E-01	2.50870E-01	3.97280E-02	2.16920E-01
2.43520E+03	1.92760E-01	2.50730E-01	4.83310E-02	2.63900E-01
2.43420E+03	2.30910E-01	2.50590E-01	5.78640E-02	3.15950E-01
2.43320E+03	2.72500E-01	2.50420E-01	6.82400E-02	3.72610E-01
2.43220E+03	3.16620E-01	2.50160E-01	7.92060E-02	4.32480E-01
2.43120E+03	3.60470E-01	2.49900E-01	9.00800E-02	4.91860E-01
2.43020E+03	4.01650E-01	2.49630E-01	1.00270E-01	5.47480E-01
2.42920E+03	4.38370E-01	2.49420E-01	1.09340E-01	5.97020E-01
2.42820E+03	4.69640E-01	2.49220E-01	1.17040E-01	6.39080E-01
2.42720E+03	4.94510E-01	2.49020E-01	1.23140E-01	6.72380E-01
2.42620E+03	5.12530E-01	2.48840E-01	1.27540E-01	6.96400E-01
2.42520E+03	5.22330E-01	2.48730E-01	1.29920E-01	7.09380E-01
2.42420E+03	5.26550E-01	2.48610E-01	1.30900E-01	7.14770E-01
2.42320E+03	5.26920E-01	2.48490E-01	1.30940E-01	7.14940E-01
2.42220E+03	5.23300E-01	2.48470E-01	1.30020E-01	7.09970E-01
2.42120E+03	5.16320E-01	2.48470E-01	1.28290E-01	7.00500E-01
2.42020E+03	5.07530E-01	2.48470E-01	1.26110E-01	6.88580E-01
2.41920E+03	4.97880E-01	2.48450E-01	1.23700E-01	6.75430E-01
2.41820E+03	4.91830E-01	2.48340E-01	1.22140E-01	6.66920E-01
2.41720E+03	4.90460E-01	2.48230E-01	1.21750E-01	6.64770E-01
2.41620E+03	4.92520E-01	2.48120E-01	1.22210E-01	6.67270E-01
2.41520E+03	4.99030E-01	2.48080E-01	1.23800E-01	6.75990E-01
2.41420E+03	5.11460E-01	2.48060E-01	1.26870E-01	6.92760E-01
2.41320E+03	5.32540E-01	2.48040E-01	1.32090E-01	7.21250E-01
2.41220E+03	5.64140E-01	2.48030E-01	1.39920E-01	7.64020E-01
2.41120E+03	6.05600E-01	2.48070E-01	1.50230E-01	8.20290E-01
2.41020E+03	6.54780E-01	2.48110E-01	1.62450E-01	8.87040E-01

2.40920E+03	7.02760E-01	2.48160E-01	1.74400E-01	9.52260E-01
2.40820E+03	7.35760E-01	2.48090E-01	1.82540E-01	9.96700E-01
2.40720E+03	7.38490E-01	2.47990E-01	1.83140E-01	1.00000E+00
2.40620E+03	6.98850E-01	2.47900E-01	1.73240E-01	9.45950E-01
2.40520E+03	6.17180E-01	2.47840E-01	1.52960E-01	8.35230E-01
2.40420E+03	5.08370E-01	2.47900E-01	1.26030E-01	6.88140E-01
2.40320E+03	3.91260E-01	2.47960E-01	9.70180E-02	5.29740E-01
2.40220E+03	2.85060E-01	2.48020E-01	7.07010E-02	3.86050E-01
2.40120E+03	2.00440E-01	2.48080E-01	4.97250E-02	2.71510E-01
2.40020E+03	1.38850E-01	2.48130E-01	3.44530E-02	1.88120E-01
2.39920E+03	9.67700E-02	2.48180E-01	2.40170E-02	1.31140E-01
2.39820E+03	6.89100E-02	2.48180E-01	1.71020E-02	9.33830E-02
2.39700E+03	5.50000E-02	2.48050E-01	1.36430E-02	7.44930E-02
2.39520E+03	4.00000E-02	2.47850E-01	9.91400E-03	5.41330E-02
2.39340E+03	2.70000E-02	2.47390E-01	6.67960E-03	3.64730E-02
2.39160E+03	2.00000E-02	2.46900E-01	4.93800E-03	2.69630E-02
2.38980E+03	1.50000E-02	2.46090E-01	3.69130E-03	2.01560E-02
2.38800E+03	1.20000E-02	2.45290E-01	2.94350E-03	1.60720E-02
2.38720E+03	1.41300E-02	2.45120E-01	3.46350E-03	1.89110E-02
2.38580E+03	1.00000E-02	2.44800E-01	2.44800E-03	1.33670E-02
2.38220E+03	7.75000E-03	2.44480E-01	1.89470E-03	1.03460E-02
2.37860E+03	5.50000E-03	2.44600E-01	1.34530E-03	7.34570E-03
2.37490E+03	3.25000E-03	2.44580E-01	7.94890E-04	4.34030E-03
2.37130E+03	1.00000E-03	2.44740E-01	2.44740E-04	1.33630E-03
2.37100E+03	0.00000E+00	2.44760E-01	0.00000E+00	0.00000E+00
Channel 18				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.57800E+03	0.00000E+00	5.01670E-01	0.00000E+00	0.00000E+00
2.57720E+03	1.00000E-03	5.01830E-01	5.01830E-04	1.28930E-03
2.57210E+03	3.25000E-03	5.03490E-01	1.63640E-03	4.20420E-03
2.56690E+03	5.50000E-03	5.04830E-01	2.77650E-03	7.13360E-03
2.56180E+03	7.75000E-03	5.05260E-01	3.91570E-03	1.00610E-02
2.55670E+03	1.00000E-02	5.07410E-01	5.07410E-03	1.30360E-02
2.55560E+03	2.19300E-02	5.08060E-01	1.11420E-02	2.86260E-02
2.55460E+03	2.54000E-02	5.08490E-01	1.29160E-02	3.31830E-02
2.55360E+03	2.96100E-02	5.08920E-01	1.50690E-02	3.87160E-02
2.55260E+03	3.47000E-02	5.09340E-01	1.76740E-02	4.54090E-02
2.55160E+03	4.09600E-02	5.09230E-01	2.08580E-02	5.35890E-02
2.55060E+03	4.85900E-02	5.09060E-01	2.47350E-02	6.35500E-02
2.54960E+03	5.77500E-02	5.08880E-01	2.93880E-02	7.55050E-02
2.54860E+03	6.86700E-02	5.09010E-01	3.49540E-02	8.98040E-02
2.54760E+03	8.16200E-02	5.09590E-01	4.15930E-02	1.06860E-01
2.54660E+03	9.68700E-02	5.10170E-01	4.94200E-02	1.26970E-01
2.54560E+03	1.14870E-01	5.10750E-01	5.86700E-02	1.50740E-01
2.54460E+03	1.35960E-01	5.10940E-01	6.94680E-02	1.78480E-01

2.54360E+03	1.60290E-01	5.11090E-01	8.19230E-02	2.10480E-01
2.54260E+03	1.88020E-01	5.11250E-01	9.61240E-02	2.46970E-01
2.54160E+03	2.18890E-01	5.11390E-01	1.11940E-01	2.87600E-01
2.54060E+03	2.52520E-01	5.11450E-01	1.29150E-01	3.31820E-01
2.53960E+03	2.88390E-01	5.11510E-01	1.47510E-01	3.79000E-01
2.53860E+03	3.25650E-01	5.11580E-01	1.66600E-01	4.28030E-01
2.53760E+03	3.63500E-01	5.11660E-01	1.85990E-01	4.77850E-01
2.53660E+03	4.01410E-01	5.11740E-01	2.05420E-01	5.27770E-01
2.53560E+03	4.38650E-01	5.11810E-01	2.24510E-01	5.76810E-01
2.53460E+03	4.74700E-01	5.11730E-01	2.42920E-01	6.24110E-01
2.53360E+03	5.09310E-01	5.11440E-01	2.60480E-01	6.69240E-01
2.53260E+03	5.41690E-01	5.11150E-01	2.76890E-01	7.11390E-01
2.53160E+03	5.71390E-01	5.10870E-01	2.91900E-01	7.49970E-01
2.53060E+03	5.98410E-01	5.10680E-01	3.05600E-01	7.85150E-01
2.52960E+03	6.22370E-01	5.10510E-01	3.17730E-01	8.16310E-01
2.52860E+03	6.43210E-01	5.10340E-01	3.28250E-01	8.43360E-01
2.52760E+03	6.61040E-01	5.10360E-01	3.37370E-01	8.66780E-01
2.52660E+03	6.75820E-01	5.10730E-01	3.45160E-01	8.86800E-01
2.52560E+03	6.87740E-01	5.11100E-01	3.51500E-01	9.03090E-01
2.52460E+03	6.97110E-01	5.11470E-01	3.56550E-01	9.16060E-01
2.52360E+03	7.03890E-01	5.11540E-01	3.60070E-01	9.25100E-01
2.52260E+03	7.08300E-01	5.11580E-01	3.62350E-01	9.30970E-01
2.52160E+03	7.10980E-01	5.11620E-01	3.63750E-01	9.34560E-01
2.52060E+03	7.12590E-01	5.11850E-01	3.64740E-01	9.37110E-01
2.51960E+03	7.13750E-01	5.12400E-01	3.65720E-01	9.39630E-01
2.51860E+03	7.14710E-01	5.12940E-01	3.66600E-01	9.41900E-01
2.51760E+03	7.15670E-01	5.13490E-01	3.67490E-01	9.44170E-01
2.51660E+03	7.17250E-01	5.13930E-01	3.68620E-01	9.47070E-01
2.51560E+03	7.20050E-01	5.14360E-01	3.70360E-01	9.51550E-01
2.51460E+03	7.24360E-01	5.14780E-01	3.72890E-01	9.58040E-01
2.51360E+03	7.30080E-01	5.14990E-01	3.75980E-01	9.65990E-01
2.51260E+03	7.37140E-01	5.14870E-01	3.79530E-01	9.75110E-01
2.51160E+03	7.44690E-01	5.14750E-01	3.83330E-01	9.84870E-01
2.51060E+03	7.51680E-01	5.14640E-01	3.86840E-01	9.93900E-01
2.50960E+03	7.56230E-01	5.14680E-01	3.89220E-01	1.00000E+00
2.50860E+03	7.55830E-01	5.14750E-01	3.89060E-01	9.99590E-01
2.50760E+03	7.47180E-01	5.14810E-01	3.84660E-01	9.88270E-01
2.50660E+03	7.26790E-01	5.14940E-01	3.74260E-01	9.61550E-01
2.50560E+03	6.91650E-01	5.15170E-01	3.56320E-01	9.15460E-01
2.50460E+03	6.40920E-01	5.15390E-01	3.30330E-01	8.48690E-01
2.50360E+03	5.76700E-01	5.15610E-01	2.97350E-01	7.63970E-01
2.50260E+03	5.03440E-01	5.15940E-01	2.59740E-01	6.67350E-01
2.50160E+03	4.27330E-01	5.16280E-01	2.20620E-01	5.66830E-01
2.50060E+03	3.54060E-01	5.16620E-01	1.82920E-01	4.69950E-01
2.49960E+03	2.88080E-01	5.16760E-01	1.48870E-01	3.82480E-01
2.49860E+03	2.31730E-01	5.16640E-01	1.19720E-01	3.07590E-01
2.49760E+03	1.85510E-01	5.16520E-01	9.58190E-02	2.46180E-01
2.49660E+03	1.48250E-01	5.16390E-01	7.65540E-02	1.96690E-01
2.49560E+03	1.18680E-01	5.15860E-01	6.12230E-02	1.57300E-01

2.49460E+03	9.53400E-02	5.15300E-01	4.91280E-02	1.26220E-01
2.49360E+03	7.70100E-02	5.14730E-01	3.96390E-02	1.01840E-01
2.49260E+03	6.26500E-02	5.14310E-01	3.22220E-02	8.27850E-02
2.49160E+03	5.13800E-02	5.14090E-01	2.64140E-02	6.78630E-02
2.49060E+03	4.24900E-02	5.13860E-01	2.18340E-02	5.60970E-02
2.48960E+03	3.54200E-02	5.13640E-01	1.81930E-02	4.67420E-02
2.48860E+03	2.97800E-02	5.13830E-01	1.53020E-02	3.93140E-02
2.48760E+03	2.52000E-02	5.14070E-01	1.29550E-02	3.32830E-02
2.48660E+03	2.14400E-02	5.14310E-01	1.10270E-02	2.83300E-02
2.48560E+03	1.83300E-02	5.14430E-01	9.42940E-03	2.42260E-02
2.48460E+03	1.58800E-02	5.14370E-01	8.16810E-03	2.09860E-02
2.48360E+03	1.39100E-02	5.14310E-01	7.15400E-03	1.83800E-02
2.47760E+03	1.00000E-02	5.15770E-01	5.15770E-03	1.32510E-02
2.47270E+03	7.75000E-03	5.15150E-01	3.99240E-03	1.02570E-02
2.46780E+03	5.50000E-03	5.15550E-01	2.83550E-03	7.28510E-03
2.46290E+03	3.25000E-03	5.15670E-01	1.67590E-03	4.30590E-03
2.45800E+03	1.00000E-03	5.16180E-01	5.16180E-04	1.32620E-03
2.45700E+03	0.00000E+00	5.16180E-01	0.00000E+00	0.00000E+00
Channel 19				
Wave Number	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.79400E+03	0.00000E+00	3.91440E-01	0.00000E+00	0.00000E+00
2.79310E+03	1.00000E-03	3.91720E-01	3.91720E-04	1.19170E-03
2.78090E+03	3.25000E-03	3.97160E-01	1.29080E-03	3.92690E-03
2.76880E+03	5.50000E-03	4.03550E-01	2.21950E-03	6.75230E-03
2.75660E+03	7.75000E-03	4.09710E-01	3.17530E-03	9.66000E-03
2.74450E+03	1.00000E-02	4.16260E-01	4.16260E-03	1.26640E-02
2.74040E+03	1.26000E-02	4.18790E-01	5.27680E-03	1.60530E-02
2.73940E+03	1.45100E-02	4.19230E-01	6.08300E-03	1.85060E-02
2.73840E+03	1.63100E-02	4.19660E-01	6.84470E-03	2.08230E-02
2.73740E+03	1.80800E-02	4.20310E-01	7.59910E-03	2.31180E-02
2.73640E+03	1.99500E-02	4.21110E-01	8.40110E-03	2.55580E-02
2.73540E+03	2.20900E-02	4.21910E-01	9.32010E-03	2.83540E-02
2.73440E+03	2.45100E-02	4.22660E-01	1.03590E-02	3.15160E-02
2.73340E+03	2.70300E-02	4.22810E-01	1.14290E-02	3.47690E-02
2.73240E+03	2.97100E-02	4.22970E-01	1.25660E-02	3.82300E-02
2.73140E+03	3.27200E-02	4.23120E-01	1.38450E-02	4.21190E-02
2.73040E+03	3.61900E-02	4.23710E-01	1.53340E-02	4.66500E-02
2.72940E+03	4.02400E-02	4.24610E-01	1.70860E-02	5.19810E-02
2.72840E+03	4.49900E-02	4.25510E-01	1.91440E-02	5.82400E-02
2.72740E+03	5.03400E-02	4.26360E-01	2.14630E-02	6.52950E-02
2.72640E+03	5.63600E-02	4.26760E-01	2.40520E-02	7.31730E-02
2.72540E+03	6.32000E-02	4.27170E-01	2.69970E-02	8.21320E-02
2.72440E+03	7.09300E-02	4.27580E-01	3.03280E-02	9.22660E-02
2.72340E+03	7.97400E-02	4.27730E-01	3.41070E-02	1.03760E-01
2.72240E+03	8.97800E-02	4.27680E-01	3.83970E-02	1.16810E-01

2.72140E+03	1.01110E-01	4.27630E-01	4.32380E-02	1.31540E-01
2.72040E+03	1.13810E-01	4.27660E-01	4.86720E-02	1.48070E-01
2.71940E+03	1.28230E-01	4.28290E-01	5.49200E-02	1.67080E-01
2.71840E+03	1.44560E-01	4.28930E-01	6.20060E-02	1.88640E-01
2.71740E+03	1.63020E-01	4.29570E-01	7.00280E-02	2.13040E-01
2.71640E+03	1.83840E-01	4.30270E-01	7.91010E-02	2.40650E-01
2.71540E+03	2.07050E-01	4.31020E-01	8.92440E-02	2.71500E-01
2.71440E+03	2.32430E-01	4.31780E-01	1.00360E-01	3.05310E-01
2.71340E+03	2.60110E-01	4.32510E-01	1.12500E-01	3.42260E-01
2.71240E+03	2.90160E-01	4.33140E-01	1.25680E-01	3.82350E-01
2.71140E+03	3.22180E-01	4.33770E-01	1.39750E-01	4.25160E-01
2.71040E+03	3.55710E-01	4.34390E-01	1.54520E-01	4.70080E-01
2.70940E+03	3.90090E-01	4.34730E-01	1.69580E-01	5.15910E-01
2.70840E+03	4.24570E-01	4.34860E-01	1.84630E-01	5.61690E-01
2.70740E+03	4.58470E-01	4.35000E-01	1.99430E-01	6.06720E-01
2.70640E+03	4.91120E-01	4.35230E-01	2.13750E-01	6.50280E-01
2.70540E+03	5.21040E-01	4.36150E-01	2.27250E-01	6.91360E-01
2.70440E+03	5.47770E-01	4.37070E-01	2.39420E-01	7.28370E-01
2.70340E+03	5.70930E-01	4.38000E-01	2.50070E-01	7.60770E-01
2.70240E+03	5.89590E-01	4.38740E-01	2.58680E-01	7.86960E-01
2.70140E+03	6.04000E-01	4.39370E-01	2.65380E-01	8.07350E-01
2.70040E+03	6.15060E-01	4.40000E-01	2.70630E-01	8.23320E-01
2.69940E+03	6.23190E-01	4.40620E-01	2.74590E-01	8.35360E-01
2.69840E+03	6.28070E-01	4.41020E-01	2.76990E-01	8.42680E-01
2.69740E+03	6.29930E-01	4.41420E-01	2.78070E-01	8.45950E-01
2.69640E+03	6.29080E-01	4.41830E-01	2.77940E-01	8.45580E-01
2.69540E+03	6.26950E-01	4.42360E-01	2.77340E-01	8.43720E-01
2.69440E+03	6.24650E-01	4.42990E-01	2.76710E-01	8.41830E-01
2.69340E+03	6.22520E-01	4.43620E-01	2.76160E-01	8.40150E-01
2.69240E+03	6.20800E-01	4.44270E-01	2.75800E-01	8.39060E-01
2.69140E+03	6.19350E-01	4.45240E-01	2.75760E-01	8.38930E-01
2.69040E+03	6.17920E-01	4.46210E-01	2.75720E-01	8.38820E-01
2.68940E+03	6.16100E-01	4.47190E-01	2.75510E-01	8.38170E-01
2.68840E+03	6.13910E-01	4.47700E-01	2.74850E-01	8.36160E-01
2.68740E+03	6.11850E-01	4.47900E-01	2.74050E-01	8.33730E-01
2.68640E+03	6.11120E-01	4.48100E-01	2.73850E-01	8.33110E-01
2.68540E+03	6.11420E-01	4.48310E-01	2.74100E-01	8.33890E-01
2.68440E+03	6.12160E-01	4.48600E-01	2.74610E-01	8.35440E-01
2.68340E+03	6.13340E-01	4.48890E-01	2.75320E-01	8.37590E-01
2.68240E+03	6.14810E-01	4.49170E-01	2.76160E-01	8.40140E-01
2.68140E+03	6.16370E-01	4.49690E-01	2.77170E-01	8.43230E-01
2.68040E+03	6.18050E-01	4.50350E-01	2.78340E-01	8.46780E-01
2.67940E+03	6.20040E-01	4.51020E-01	2.79650E-01	8.50760E-01
2.67840E+03	6.22210E-01	4.51680E-01	2.81040E-01	8.54990E-01
2.67740E+03	6.24300E-01	4.52330E-01	2.82390E-01	8.59090E-01
2.67640E+03	6.25890E-01	4.52970E-01	2.83510E-01	8.62510E-01
2.67540E+03	6.26380E-01	4.53620E-01	2.84140E-01	8.64420E-01
2.67440E+03	6.25920E-01	4.54180E-01	2.84280E-01	8.64860E-01
2.67340E+03	6.25490E-01	4.54690E-01	2.84400E-01	8.65230E-01

2.67240E+03	6.26320E-01	4.55200E-01	2.85100E-01	8.67340E-01
2.67140E+03	6.28780E-01	4.55700E-01	2.86530E-01	8.71710E-01
2.67040E+03	6.31980E-01	4.56190E-01	2.88300E-01	8.77090E-01
2.66940E+03	6.34290E-01	4.56680E-01	2.89670E-01	8.81250E-01
2.66840E+03	6.35110E-01	4.57180E-01	2.90360E-01	8.83340E-01
2.66740E+03	6.34470E-01	4.57530E-01	2.90290E-01	8.83130E-01
2.66640E+03	6.33020E-01	4.57770E-01	2.89780E-01	8.81580E-01
2.66540E+03	6.30960E-01	4.58020E-01	2.88990E-01	8.79180E-01
2.66440E+03	6.28250E-01	4.58270E-01	2.87910E-01	8.75880E-01
2.66340E+03	6.24720E-01	4.58530E-01	2.86450E-01	8.71450E-01
2.66240E+03	6.20790E-01	4.58780E-01	2.84810E-01	8.66460E-01
2.66140E+03	6.16690E-01	4.59040E-01	2.83090E-01	8.61220E-01
2.66040E+03	6.12640E-01	4.59300E-01	2.81380E-01	8.56040E-01
2.65940E+03	6.08400E-01	4.59540E-01	2.79590E-01	8.50570E-01
2.65840E+03	6.03870E-01	4.59790E-01	2.77650E-01	8.44690E-01
2.65740E+03	5.99310E-01	4.60070E-01	2.75730E-01	8.38830E-01
2.65640E+03	5.94730E-01	4.60610E-01	2.73940E-01	8.33400E-01
2.65540E+03	5.90620E-01	4.61160E-01	2.72370E-01	8.28610E-01
2.65440E+03	5.87060E-01	4.61700E-01	2.71050E-01	8.24590E-01
2.65340E+03	5.82930E-01	4.62240E-01	2.69450E-01	8.19740E-01
2.65240E+03	5.77820E-01	4.62770E-01	2.67400E-01	8.13490E-01
2.65140E+03	5.72370E-01	4.63300E-01	2.65180E-01	8.06740E-01
2.65040E+03	5.67080E-01	4.63820E-01	2.63020E-01	8.00190E-01
2.64940E+03	5.62720E-01	4.64450E-01	2.61360E-01	7.95110E-01
2.64840E+03	5.59640E-01	4.65080E-01	2.60280E-01	7.91830E-01
2.64740E+03	5.57230E-01	4.65710E-01	2.59510E-01	7.89480E-01
2.64640E+03	5.55420E-01	4.66340E-01	2.59020E-01	7.87990E-01
2.64540E+03	5.54300E-01	4.66990E-01	2.58850E-01	7.87490E-01
2.64440E+03	5.53840E-01	4.67630E-01	2.58990E-01	7.87920E-01
2.64340E+03	5.54090E-01	4.68250E-01	2.59450E-01	7.89320E-01
2.64240E+03	5.55340E-01	4.68740E-01	2.60310E-01	7.91930E-01
2.64140E+03	5.57610E-01	4.69230E-01	2.61650E-01	7.95990E-01
2.64040E+03	5.60890E-01	4.69710E-01	2.63460E-01	8.01510E-01
2.63940E+03	5.64810E-01	4.70100E-01	2.65520E-01	8.07760E-01
2.63840E+03	5.69210E-01	4.70430E-01	2.67770E-01	8.14630E-01
2.63740E+03	5.74310E-01	4.70760E-01	2.70360E-01	8.22520E-01
2.63640E+03	5.80490E-01	4.71100E-01	2.73470E-01	8.31960E-01
2.63540E+03	5.87800E-01	4.71470E-01	2.77130E-01	8.43100E-01
2.63440E+03	5.96070E-01	4.71830E-01	2.81250E-01	8.55620E-01
2.63340E+03	6.04710E-01	4.72200E-01	2.85540E-01	8.68700E-01
2.63240E+03	6.13580E-01	4.72810E-01	2.90110E-01	8.82580E-01
2.63140E+03	6.22910E-01	4.73570E-01	2.94990E-01	8.97440E-01
2.63040E+03	6.32630E-01	4.74330E-01	3.00080E-01	9.12910E-01
2.62940E+03	6.42630E-01	4.75090E-01	3.05310E-01	9.28830E-01
2.62840E+03	6.52560E-01	4.75770E-01	3.10470E-01	9.44530E-01
2.62740E+03	6.61970E-01	4.76450E-01	3.15400E-01	9.59520E-01
2.62640E+03	6.70420E-01	4.77130E-01	3.19880E-01	9.73150E-01
2.62540E+03	6.77600E-01	4.77530E-01	3.23570E-01	9.84390E-01
2.62440E+03	6.83020E-01	4.77760E-01	3.26320E-01	9.92740E-01

2.62340E+03	6.86460E-01	4.77990E-01	3.28120E-01	9.98230E-01
2.62240E+03	6.87320E-01	4.78240E-01	3.28700E-01	1.00000E+00
2.62140E+03	6.85190E-01	4.78870E-01	3.28120E-01	9.98210E-01
2.62040E+03	6.79570E-01	4.79500E-01	3.25850E-01	9.91320E-01
2.61940E+03	6.69350E-01	4.80130E-01	3.21370E-01	9.77700E-01
2.61840E+03	6.54010E-01	4.80820E-01	3.14460E-01	9.56670E-01
2.61740E+03	6.33820E-01	4.81540E-01	3.05210E-01	9.28530E-01
2.61640E+03	6.09440E-01	4.82260E-01	2.93910E-01	8.94150E-01
2.61540E+03	5.82060E-01	4.82980E-01	2.81120E-01	8.55250E-01
2.61440E+03	5.52190E-01	4.83590E-01	2.67040E-01	8.12390E-01
2.61340E+03	5.19970E-01	4.84210E-01	2.51770E-01	7.65960E-01
2.61240E+03	4.86360E-01	4.84830E-01	2.35800E-01	7.17360E-01
2.61140E+03	4.52350E-01	4.85440E-01	2.19590E-01	6.68040E-01
2.61040E+03	4.18400E-01	4.86050E-01	2.03360E-01	6.18680E-01
2.60940E+03	3.84960E-01	4.86660E-01	1.87350E-01	5.69950E-01
2.60840E+03	3.51900E-01	4.87300E-01	1.71480E-01	5.21690E-01
2.60740E+03	3.19810E-01	4.87940E-01	1.56050E-01	4.74740E-01
2.60640E+03	2.89620E-01	4.88590E-01	1.41510E-01	4.30490E-01
2.60540E+03	2.61640E-01	4.89230E-01	1.28000E-01	3.89420E-01
2.60440E+03	2.35800E-01	4.89760E-01	1.15490E-01	3.51330E-01
2.60340E+03	2.12200E-01	4.90220E-01	1.04030E-01	3.16470E-01
2.60240E+03	1.90800E-01	4.90690E-01	9.36240E-02	2.84830E-01
2.60140E+03	1.71530E-01	4.91200E-01	8.42550E-02	2.56330E-01
2.60040E+03	1.54390E-01	4.91950E-01	7.59520E-02	2.31070E-01
2.59940E+03	1.39150E-01	4.92710E-01	6.85600E-02	2.08580E-01
2.59840E+03	1.25480E-01	4.93460E-01	6.19200E-02	1.88380E-01
2.59740E+03	1.13250E-01	4.94020E-01	5.59480E-02	1.70210E-01
2.59640E+03	1.02300E-01	4.94450E-01	5.05820E-02	1.53880E-01
2.59540E+03	9.24300E-02	4.94880E-01	4.57420E-02	1.39160E-01
2.59440E+03	8.35900E-02	4.95300E-01	4.14020E-02	1.25960E-01
2.59340E+03	7.56900E-02	4.95830E-01	3.75290E-02	1.14170E-01
2.59240E+03	6.86300E-02	4.96350E-01	3.40650E-02	1.03630E-01
2.59140E+03	6.23500E-02	4.96880E-01	3.09800E-02	9.42500E-02
2.59040E+03	5.67400E-02	4.97160E-01	2.82090E-02	8.58180E-02
2.58940E+03	5.16700E-02	4.97290E-01	2.56950E-02	7.81700E-02
2.58840E+03	4.71500E-02	4.97420E-01	2.34540E-02	7.13520E-02
2.58740E+03	4.31200E-02	4.97600E-01	2.14570E-02	6.52760E-02
2.58640E+03	3.95500E-02	4.98290E-01	1.97070E-02	5.99540E-02
2.58540E+03	3.63400E-02	4.98970E-01	1.81330E-02	5.51640E-02
2.58440E+03	3.34200E-02	4.99660E-01	1.66990E-02	5.08020E-02
2.58340E+03	3.08000E-02	5.00140E-01	1.54040E-02	4.68640E-02
2.58240E+03	2.84200E-02	5.00490E-01	1.42240E-02	4.32730E-02
2.58140E+03	2.62300E-02	5.00840E-01	1.31370E-02	3.99660E-02
2.58040E+03	2.42800E-02	5.01170E-01	1.21680E-02	3.70200E-02
2.57940E+03	2.25200E-02	5.01380E-01	1.12910E-02	3.43500E-02
2.57840E+03	2.08900E-02	5.01590E-01	1.04780E-02	3.18770E-02
2.57740E+03	1.93900E-02	5.01790E-01	9.72980E-03	2.96000E-02
2.57640E+03	1.80100E-02	5.02080E-01	9.04240E-03	2.75090E-02
2.57540E+03	1.67700E-02	5.02410E-01	8.42540E-03	2.56320E-02

2.57440E+03	1.53600E-02	5.02750E-01	7.72220E-03	2.34930E-02
2.57340E+03	1.38200E-02	5.03070E-01	6.95240E-03	2.11510E-02
2.57240E+03	1.22000E-02	5.03390E-01	6.14140E-03	1.86840E-02
2.56710E+03	1.00000E-02	5.04790E-01	5.04790E-03	1.53570E-02
2.55410E+03	7.75000E-03	5.08700E-01	3.94240E-03	1.19940E-02
2.54110E+03	5.50000E-03	5.11420E-01	2.81280E-03	8.55730E-03
2.52810E+03	3.25000E-03	5.10240E-01	1.65830E-03	5.04490E-03
2.51510E+03	1.00000E-03	5.14570E-01	5.14570E-04	1.56550E-03
2.51400E+03	0.00000E+00	5.15030E-01	0.00000E+00	0.00000E+00

Table D.3-14 contains the pre- and post-launch calibration slope and intercept values for NOAA-17 HIRS/303 Channel 20.

Table D.3-14. NOAA-17 HIRS/303 Channel 20 Slope and Intercept (Albedo %)		
Source	Slope	Intercept
Pre-launch calibration	0.02621	53.80783
Post-launch calibration	TBD	TBD

AMSU:

Table D.3-15. NOAA-17 AMSU PRT Temperature Conversion Coefficients.					
	PRT #	Coefficient 0	Coefficient 1	Coefficient 2	Coefficient 3
Scan Motor A1-1	1	262.9264	1.782879E-03	4.651285E-09	3.016453E-15
Scan Motor A1-2	2	262.9457	1.794984E-03	4.014630E-09	1.178214E-14
Feedhorn A1-1	3	262.9824	1.787421E-03	4.479284E-09	4.003862E-15
Feedhorn A1-2	4	262.9480	1.796941E-03	3.990959E-09	1.213830E-14
RF Mux A1-1	5	262.9930	1.791427E-03	4.562482E-09	3.258688E-15
RF Mux A1-2	6	262.9876	1.783315E-03	4.549435E-09	2.993637E-15
L.O. CH 3	7	263.0508	1.796300E-03	4.093929E-09	1.079970E-14
L.O. CH 4	8	262.9266	1.789260E-03	4.554566E-09	3.049904E-15
L.O. CH 5	9	263.0612	1.798046E-03	3.986979E-09	1.268962E-14
L.O. CH 6	10	263.2208	1.786634E-03	4.517242E-09	3.021994E-15
L.O. CH 7	11	263.0943	1.710871E-03	1.525857E-08	-2.792764E-13
L.O. CH 8	12	263.1941	1.725553E-03	1.463346E-08	-2.700232E-13
L.O. CH 15	13	262.9590	1.787082E-03	4.553521E-09	2.961741E-15
PLLO #2 CH9-14	14	263.1783	1.716766E-03	1.514877E-08	-2.787102E-13
PLLO #1 CH9-14	15	263.1875	1.722912E-03	1.469318E-08	-2.706999E-13
PLLO (Ref.Osc.)	16	263.0786	1.786833E-03	4.551711E-09	2.707090E-15
Mixer/IF CH 3	17	262.9888	1.796020E-03	3.998485E-09	1.186256E-14
Mixer/IF CH 4	18	263.0844	1.784899E-03	4.506407E-09	3.640704E-15
Mixer/IF CH 5	19	262.9594	1.797137E-03	3.954086E-09	1.269160E-14
Mixer/IF CH 6	20	262.9237	1.785977E-03	4.526986E-09	3.482820E-15
Mixer/IF CH 7	21	263.0457	1.797253E-03	3.976505E-09	1.255832E-14
Mixer/IF CH 8	22	263.2087	1.788848E-03	4.534624E-09	2.771589E-15
Mixer/IF CH9/14	23	263.0331	1.794866E-03	4.119775E-09	9.785078E-15
Mixer/IF CH 15	24	263.1179	1.787349E-03	4.578916E-09	2.215207E-15
IF Amp.CH11/14	25	263.2372	1.797438E-03	4.062329E-09	1.139440E-14
IF Amp. CH 9	26	263.1272	1.785720E-03	4.583279E-09	2.127480E-15
IF Amp. Ch.10	27	262.9736	1.794427E-03	4.114111E-09	1.029068E-14
IF Amp. Ch.11	28	262.8804	1.782688E-03	4.604669E-09	1.871548E-15
DC/DC Converter	29	263.1144	1.789528E-03	4.503099E-09	4.160511E-15
IF Amp. Ch.13	30	262.9494	1.790211E-03	4.469882E-09	4.827499E-15
IF Amp. Ch.14	31	262.9767	1.798895E-03	3.948966E-09	1.244464E-14
IF Amp. Ch.12	32	263.0209	1.796938E-03	3.970665E-09	1.284796E-14
RF Shelf A1-1	33	262.9493	1.795960E-03	4.021378E-09	1.165849E-14
RF Shelf A1-2	34	263.2218	1.790430E-03	4.457330E-09	4.806016E-15
Detector/PreAmp	35	263.1320	1.786115E-03	4.444591E-09	5.163805E-15
A1-1WarmLoad#1	36	254.1414	1.689477E-03	6.344681E-09	3.193697E-14
A1-1WarmLoad#2	37	254.1487	1.691693E-03	6.341322E-09	3.225776E-14
A1-1WarmLoad#3	38	254.2609	1.688383E-03	6.366155E-09	3.285827E-14

A1-1WarmLoad#4	39	254.0264	1.691223E-03	6.366102E-09	3.158980E-14
A1-1WmLd Center	40	254.1180	1.687154E-03	6.324558E-09	3.341569E-14
A1-2WarmLoad#1	41	254.0312	1.689809E-03	6.276867E-09	3.309316E-14
A1-2WarmLoad#2	42	254.0746	1.689391E-03	6.330238E-09	3.196075E-14
A1-2WarmLoad#3	43	253.9810	1.688747E-03	6.415529E-09	3.026252E-14
A1-2WarmLoad#4	44	254.0501	1.691363E-03	6.261909E-09	3.320902E-14
A1-2WmLd Center	45	254.1199	1.690609E-03	6.336316E-09	3.169356E-14

Table D.3-16 contains the measured channel characteristics for the NOAA-17 AMSU-A and -B instruments. Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.3-16. Measured Channel Characteristics for NOAA-17 AMSU-A and AMSU-B.							
Ch #	Instrument / Serial #	Central Frequency (GHz)	Central Wavenumber (cm⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f₁)	End (f₂)	Begin (f₃)	End (f₄)
1*	A2/FM2	23.799210	0.793856	0.00845	0.13396	N/A	N/A
2*	A2/FM2	31.399660	1.047380	0.00893	0.08951	N/A	N/A
3*	A1-2/FM2	50.291801	1.677553	0.00894	0.08952	N/A	N/A
4*	A1-2/FM2	52.800800	1.761245	0.00894	0.19915	N/A	N/A
5	A1-2/FM2	53.596001	1.787770	0.03108	0.19923	N/A	N/A
6*	A1-1/FM2	54.400242	1.814596	0.00894	0.19920	N/A	N/A
7*	A1-1/FM2	54.939819	1.832595	0.00893	0.19923	N/A	N/A
8*	A1-2/FM2	55.499199	1.851253	0.00890	0.16400	N/A	N/A
9*	A1-1/FM2	57.290344	1.911000	0.00897	0.16388	N/A	N/A
10	A1-1/FM2	57.290344	1.911000	0.17901	0.25566	N/A	N/A
11	A1-1/FM2	57.290344	1.911000	0.25711	0.291785	0.353100	0.387960
12	A1-1/FM2	57.290344	1.911000	0.292805	0.308095	0.337015	0.352085
13	A1-1/FM2	57.290344	1.911000	0.308190	0.316110	0.328305	0.336195
14	A1-1/FM2	57.290344	1.911000	0.316300	0.319240	0.325260	0.328120
15	A1-1/FM2	88.999802	2.968713	0.49978	1.49921	N/A	N/A
16	B/FM3	89.002	2.968786	0.399	1.406	N/A	N/A
17	B/FM3	149.984	5.002926	0.398	1.402	N/A	N/A
18	B/FM3	183.299	6.114195	0.751	1.248	N/A	N/A
19	B/FM3	183.299	6.114195	2.511	3.267	N/A	N/A
20	B/FM3	183.299	6.114195	6.016	7.971	N/A	N/A
* The lower frequency cutoff in these single passband channels is due to the stop band.							

D.4 NOAA-18 (N)

Launch date: May 20, 2005

Operational dates: August 30, 2005 - present

Afternoon orbit: 1400 LST ascending node, 0200 LST descending node

AVHRR instrument: 6 channels (AVHRR/3)

Spacecraft ID (PACS): 7

- AVHRR: 13
- TIP 1 (TIP side 1): 13
- TIP 2 (TIP side 2): 14

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>.

AVHRR:

Table D.4-1 contains the PRT weighting factors for NOAA-18 and Table D.4-2 contains the radiance of space and the coefficients for nonlinear radiance correction quadratic for NOAA-18.

Table D.4-1. NOAA-18 PRT Weighting Factors.			
b₁	b₂	b₃	b₄
0.25	0.25	0.25	0.25

Table D.4-2. NOAA-18 Radiance of Space and Coefficients for Nonlinear Radiance Correction Quadratic.				
	N_S	b₀	b₁	b₂
Channel 4	-5.53	5.82	-0.11069	0.00052337
Channel 5	-2.22	2.67	-0.04360	0.00017715

Table D.4-3 contains NOAA-18 coefficients d₀, d₁, d₂, d₃ and d₄ that relate temperature, T_{PRT} (Kelvin) of each PRT to count value, C_{PRT}, by the equation:

$$T_{PRT} = d_0 + d_1 C_{PRT} + d_2 C_{PRT}^2 + d_3 C_{PRT}^3 + d_4 C_{PRT}^4$$

Table D.4-3. NOAA-18 AVHRR/3 Conversion Coefficients.					
PRT	d₀	d₁	d₂	d₃	d₄
1	276.601	0.05090	1.657 E-06	0	0

2	276.683	0.05101	1.482 E-06	0	0
3	276.565	0.05117	1.313 E-06	0	0
4	276.615	0.05103	1.484 E-06	0	0

Table D.4-4 contains the pre-launch calibration coefficients (albedo representation) for the AVHRR/3 instrument on NOAA-18.

Table D.4-4. NOAA-18 AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	0.05400	-2.130
	High albedo range (26 - 100%)	0.16100	-55.37
2	Low albedo range (0-25%)	0.05290	-2.084
	High albedo range (26 - 100%)	0.15873	-55.31
3A	Low albedo range (0-12.5%)	0.02618	-0.982
	High albedo range (12.6 - 100%)	0.18492	-80.88
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 500.54, 500.40 and 500.56 counts for channels 1, 2, and 3A respectively. This information is based on the data in AVHRR S/N A306 Alignment/Calibration Handbook (Report 8172845, Rev B), January 2002.			

Table D.4-5 contains a summary of the spectral response data as a function of wavenumber for all channels of the NOAA-18 AVHRR/3.

Table D.4-5. Summary of NOAA-18 AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15701.18 and had a value of 0.81.		
File starting point is at wavenumber =12714.03.		
File ending point is at wavenumber = 19620.54		
Moment Center Wavenumber = 15941.6541		
Percent line at which curve crosses	Wavenumber (cm ⁻¹)	μm
0.10%	14089.7734	0.7097
1.00%	14457.1582	0.6917
5.00%	14553.6104	0.6871
10.00%	14632.5156	0.6834
20.00%	14677.5566	0.6813
50.00%	14744.2832	0.6782
80.00%	14785.3281	0.6763
80.00%	16966.7227	0.5894
50.00%	17139.9453	0.5834
20.00%	17301.6289	0.5780
10.00%	17368.2383	0.5758
5.00%	17435.7070	0.5735

1.00%		17589.3066		0.5685
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	14467.2768		17670.4722	
96%	14666.7269		16958.4975	
70%	15012.3942		16690.8667	
50%	15271.5236		15744.4590	
0% (area center)	16439.5047		15744.4590	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	14785.3281	16966.7227	2181.3945	15876.0254
50%	14744.2832	17139.9453	2395.6621	15942.1143
20%	14677.5566	17301.6289	2624.0723	15989.5928
5%	14553.6104	17435.7070	2882.0967	15994.6582
Channel 2				
The peak wavenumber was at 11684.97 and had a value of 0.91				
File starting point is at wavenumber = 7092.20				
File ending point is at wavenumber = 20000.00				
Moment Center Wavenumber = 11988.0283				
Percent line at which curve crosses		Wavenumber (cm⁻¹)	μm	
0.10%		9818.8145	1.0185	
1.00%		9886.4424	1.0115	
5.00%		9947.6836	1.0053	
10.00%		9973.0430	1.0027	
20.00%		9998.5127	1.0001	
50.00%		10038.6396	0.9962	
80.00%		10081.3926	0.9919	
80.00%		13710.9160	0.7293	
50.00%		13966.1904	0.7160	
20.00%		14168.7910	0.7058	
10.00%		14257.7217	0.7014	
5.00%		14327.4346	0.6980	
1.00%		14470.6230	0.6911	
0.10%		14623.8984	0.6838	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	10015.8719		14147.8789	
96%	10093.8178		13962.6042	
70%	10604.1633		13304.1368	
50%	10985.5068		12906.3968	
0% (area center)	11944.4640		11944.4640	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	10081.3926	13710.9160	3629.5234	11896.1543
50%	10038.6396	13966.1904	3927.5508	12002.4150
20%	9998.5127	14168.7910	4170.2783	12083.6523
5%	9947.6836	14327.4346	4379.7510	12137.5586

Channel 3A				
The peak wavenumber was at 6158.01 and had a value of 0.82				
File starting point is at wavenumber = 5780.35				
File ending point is at wavenumber = 6711.41				
Moment Center Wavenumber = 6225.4721				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		μm	
0.10%	6008.3208		1.6644	
1.00%	6056.2271		1.6512	
5.00%	6087.3457		1.6428	
10.00%	6098.4351		1.6398	
20.00%	6109.2563		1.6369	
50.00%	6124.6333		1.6328	
80.00%	6137.1987		1.6294	
80.00%	6312.1401		1.5842	
50.00%	6328.3516		1.5802	
20.00%	6345.6738		1.5759	
10.00%	6356.4141		1.5732	
5.00%	6369.1279		1.5701	
1.00%	6397.9434		1.5630	
0.10%	6453.6514		1.5495	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	6082.8294		6363.4179	
96%	6107.7351		6339.2353	
70%	6147.3047		6295.9093	
50%	6167.1275		6273.7096	
0% (area center)	6219.6270		6219.6270	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	6137.1987	6312.1401	174.9414	6224.6694
50%	6124.6333	6328.3516	203.7183	6226.4922
20%	6109.2563	6345.6738	236.4175	6227.4648
5%	6087.3457	6369.1279	281.7822	6228.2368
Channel 3B				
The peak wavenumber was at 2674.00 and had a value of 0.93				
File starting point is at wavenumber = 2222.00				
File ending point is at wavenumber = 356.00				
Moment Center Wavenumber = 2663.5665				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		μm	
0.10%	2451.9922		4.0783	
1.00%	2474.3142		4.0415	
5.00%	2500.1025		3.9998	
10.00%	2507.6941		3.9877	
20.00%	2515.6975		3.9750	
50.00%	2528.6841		3.9546	

80.00%	2539.9021	3.9372		
80.00%	2779.7910	3.5974		
50.00%	2795.4414	3.5773		
20.00%	2813.4771	3.5543		
10.00%	2826.0476	3.5385		
5.00%	2840.7441	3.5202		
1.00%	2881.5820	3.4703		
0.10%	2930.8359	3.4120		
Area Point Limits	Lower (cm ⁻¹)	Upper (cm ⁻¹)		
99%	2505.5415	2839.0646		
96%	2524.0561	2807.4954		
70%	2566.4555	2757.2934		
50%	2594.7136	2729.7172		
0% (area center)	2662.1654	2662.1654		
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	2539.9021	2779.7910	239.8889	2659.8467
50%	2528.6841	2795.4414	66.7573	2662.0627
20%	2515.6975	2813.4771	297.7795	2664.5874
5%	2500.1025	2840.7441	340.6416	2670.4233
Channel 4				
The peak wavenumber was at 939.00 and had a value of 0.91				
File starting point is at wavenumber = 788.00				
File ending point is at wavenumber = 5000.00				
Moment Center Wavenumber = 927.0246				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)	μm	
0.10%		844.1467	11.8463	
1.00%		862.2675	11.5973	
5.00%		872.0961	11.4666	
10.00%		875.3697	11.4237	
20.00%		878.8188	11.3789	
50.00%		884.8935	11.3008	
80.00%		890.8615	11.2251	
80.00%		966.4460	10.3472	
50.00%		972.7415	10.2802	
20.00%		979.3073	10.2113	
10.00%		982.9404	10.1736	
5.00%		986.2397	10.1395	
1.00%		993.7721	10.0627	
0.10%		1000.7292	9.9927	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	625.2569		983.7659	
96%	877.9976		975.7423	
70%	896.0601		959.0131	

50%	905.1626		949.9709	
0% (area center)	927.8059		927.8059	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	890.8615	966.4460	75.5845	928.6537
50%	884.8935	972.7415	87.8480	928.8175
20%	878.8188	979.3073	100.4884	929.0630
5%	872.0961	986.2397	114.1437	929.1679
Channel 5				
The peak wavenumber was at 830.43 and had a value of 0.85				
File starting point is at wavenumber = 710.38				
File ending point is at wavenumber = 1005.41				
Moment Center Wavenumber = 839.1349				
Percent line at which curve crosses		Wavenumber (cm⁻¹)	μm	
1.00%		770.5272	12.9781	
1.00%		786.4213	12.7158	
5.00%		771.9020	12.9550	
5.00%		771.9152	12.9548	
5.00%		796.2563	12.5588	
10.00%		798.3840	12.5253	
20.00%		800.4968	12.4922	
50.00%		803.0125	12.4531	
80.00%		805.4152	12.4160	
80.00%		870.3591	11.4895	
50.00%		871.8143	11.4703	
20.00%		873.8174	11.4440	
10.00%		875.6295	11.4204	
5.00%		878.3108	11.3855	
5.00%		1005.4026	9.9463	
1.00%		891.6301	11.2154	
0.10%		996.0803	10.0394	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	798.2174		874.2559	
96%	802.6562		870.9916	
70%	812.7241		860.9028	
50%	819.5603		853.8218	
0% (area center)	836.6823		836.6823	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	805.4152	870.3591	64.9439	837.8871
50%	803.0125	871.8143	68.8018	837.4134
20%	800.4968	873.8174	73.3207	837.1571
5%	796.2563	878.3108	82.0545	837.2836

Table D.4-6 contains NOAA-18 AVHRR/3 solar reflectance channel information such as equivalent width, w , effective central wavelength, λ_e , and in-band solar irradiance, F .

Table D.4-6. NOAA-18 AVHRR/3 Solar Reflectance Channel Information.			
Channel	Equivalent Width w (μm)	Effective Wavelength λ_e (μm)	Extraterrestrial Solar Irradiance in Band F (W/m^2)
1	0.0793	0.634	130.3
2	0.2465	0.849	246.0
3A	0.0552	1.608	13.53
Note: These quantities are based on the solar irradiance data of <i>Neckel and Labs</i> (1984), which is a widely used source of such data.			

Table D.4-7 contains the temperature-to-radiance coefficients for NOAA-18 AVHRR/3 Channels 3B, 4 and 5.

Table D.4-7. NOAA-18 AVHRR/3 Thermal Channel Temperature-to-Radiance Coefficients			
	U_C	A	B
Channel 3B	2659.7952	1.698704	0.996960
Channel 4	928.1460	0.436645	0.998607
Channel 5	833.2532	0.253179	0.999057

Tables D.4-8 and D.4-9 contain the corresponding spectral response values for NOAA-18 AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.4-8. NOAA-18 AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A.					
Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
0.43	0.5482	0.5	0.2065	1.49	-0.01126
0.432	-0.4991	0.504	0.1214	1.491	-3.204E-05
0.434	-0.4453	0.508	0.02394	1.492	-0.003608
0.436	-0.4408	0.512	0.1665	1.493	-0.002937
0.438	0.6435	0.516	-0.02392	1.494	0.01482
0.44	-0.05732	0.52	0.01931	1.495	0.0004862
0.442	-0.1989	0.524	0.04631	1.496	-0.006259
0.444	-0.1398	0.528	-0.06858	1.497	-0.005706
0.446	-0.0632	0.532	0.007583	1.498	-0.001863
0.448	-0.08214	0.536	-0.02613	1.499	-0.008933

0.45	-0.0334	0.54	0.03611	1.5	-0.0002507
0.452	0.00343	0.544	-0.01834	1.501	0.002086
0.454	-0.09572	0.548	-0.02654	1.502	-0.01278
0.456	-0.1688	0.552	-0.01448	1.503	-0.005848
0.458	-0.3403	0.556	-0.01198	1.504	0.008775
0.46	0.1185	0.56	-0.01418	1.505	-0.006214
0.462	-0.03081	0.564	0.02179	1.506	0.003444
0.464	-0.09683	0.568	-0.001807	1.507	0.0004027
0.466	-0.1251	0.572	0.0002855	1.508	-0.00329
0.468	-0.06288	0.576	0.002649	1.509	-0.002108
0.47	-0.2463	0.58	0.008655	1.51	4.13E-05
0.472	0.0278	0.584	-0.01562	1.511	0.002915
0.474	-0.05636	0.588	0.002513	1.512	-0.007551
0.476	-0.07515	0.592	0.006055	1.513	-0.003986
0.478	-0.01259	0.596	-0.006155	1.514	-0.01098
0.48	-0.0111	0.6	-0.00424	1.515	0.004049
0.482	-0.02637	0.604	-0.006426	1.516	-0.008353
0.484	-0.09252	0.608	-0.006754	1.517	-0.007597
0.486	-0.05576	0.612	-0.01511	1.518	-0.004678
0.488	-0.03224	0.616	0.01155	1.519	-3.044E-05
0.49	-0.06114	0.62	-0.004929	1.52	-0.002242
0.492	-0.0702	0.624	0.01059	1.521	0.01076
0.494	0.09047	0.628	-0.02405	1.522	-0.005945
0.496	0.02123	0.632	-0.01059	1.523	0.000183
0.498	0.06577	0.636	-0.006757	1.524	0.001962
0.5	-0.07033	0.64	-0.007715	1.525	0.00555
0.502	-0.009833	0.644	-0.003008	1.526	-0.001514
0.504	-0.0752	0.648	0.008143	1.527	-0.001711
0.506	-0.01647	0.652	0.009704	1.528	-0.0004498
0.508	0.04744	0.656	0.01493	1.529	0.005482
0.51	0.002296	0.66	-0.01255	1.53	0.008844
0.512	0.02039	0.664	-0.01785	1.531	-0.001761
0.514	-0.02391	0.668	-0.01165	1.532	-0.004349
0.516	-0.04522	0.672	0.01187	1.533	0.003296
0.518	-0.03861	0.676	0.0009694	1.534	0.002396
0.52	-0.04376	0.68	-0.008144	1.535	-0.003642
0.522	0.06484	0.684	-0.004853	1.536	0.0002447
0.524	-0.04392	0.688	0.002021	1.537	-0.001821
0.526	0.05376	0.692	0.00856	1.538	0.006159
0.528	0.03719	0.696	0.1755	1.539	-0.0001661
0.53	-0.0104	0.7	1.507	1.54	-0.001402
0.532	0.01659	0.704	5.171	1.541	0.01059
0.534	0.0001955	0.708	9.39	1.542	0.0151

0.536	0.02057	0.712	12.99	1.543	0.01423
0.538	-0.04047	0.716	17.12	1.544	0.02244
0.54	0.02254	0.72	21.63	1.545	0.01666
0.542	-0.0184	0.724	27.39	1.546	0.02094
0.544	0.01197	0.728	35.51	1.547	0.03062
0.546	-0.01396	0.732	51.4	1.548	0.04164
0.548	0.005773	0.736	71.72	1.549	0.05266
0.55	0.02533	0.74	76.38	1.55	0.06308
0.552	0.01019	0.744	79.23	1.551	0.08367
0.554	0.02255	0.748	82.73	1.552	0.1095
0.556	0.01334	0.752	86.47	1.553	0.1344
0.558	0.01509	0.756	91.26	1.554	0.1822
0.56	-0.002716	0.76	94.43	1.555	0.215
0.562	0.02062	0.764	95.95	1.556	0.2759
0.564	0.009632	0.768	95.84	1.557	0.3457
0.566	0.04595	0.772	95.25	1.558	0.4404
0.568	0.04264	0.776	95.15	1.559	0.551
0.57	0.07186	0.78	95.89	1.56	0.6884
0.572	0.08527	0.784	97.43	1.561	0.8552
0.574	0.131	0.788	98.47	1.562	1.095
0.576	0.211	0.792	98.71	1.563	1.41
0.578	0.6492	0.796	97.7	1.564	1.758
0.58	1.845	0.8	96.3	1.565	2.232
0.582	4.599	0.804	95.46	1.566	2.811
0.584	11.51	0.808	95.98	1.567	3.554
0.586	25.72	0.812	97	1.568	4.721
0.588	42.72	0.816	98.36	1.569	5.997
0.59	51.3	0.82	99.48	1.57	7.692
0.592	54.72	0.824	99.89	1.571	10.23
0.594	57.82	0.828	100	1.572	13.13
0.596	62.24	0.832	99.63	1.573	17.63
0.598	67.47	0.836	99.13	1.574	22.58
0.6	71.98	0.84	98.71	1.575	29.27
0.602	75.49	0.844	98.44	1.576	38.42
0.604	77.65	0.848	98.14	1.577	48.23
0.606	79.16	0.852	97.58	1.578	62.45
0.608	80.67	0.856	97.13	1.579	75.13
0.61	82.19	0.86	96.44	1.58	83.09
0.612	83.44	0.864	96.17	1.581	85.04
0.614	84.03	0.868	96.13	1.582	86.97
0.616	85.11	0.872	96.13	1.583	89.63
0.618	86.35	0.876	96.54	1.584	90.32
0.62	87.14	0.88	96.98	1.585	92.55

0.622	87.76	0.884	97.28	1.586	92.86
0.624	88.65	0.888	96.68	1.587	94
0.626	89.49	0.892	96.3	1.588	94.44
0.628	90.21	0.896	95.08	1.589	93.81
0.63	90.81	0.9	93.8	1.59	94.93
0.632	90.81	0.904	92.77	1.591	93.64
0.634	92.12	0.908	92.52	1.592	94.64
0.636	93.14	0.912	93.35	1.593	93.8
0.638	94.23	0.916	94.36	1.594	94.22
0.64	95.61	0.92	95.1	1.595	94.37
0.642	97.06	0.924	95.05	1.596	93.67
0.644	98.38	0.928	94.9	1.597	94.75
0.646	99.65	0.932	94.1	1.598	93.49
0.648	100	0.936	94.07	1.599	94.79
0.65	99.52	0.94	95.22	1.6	94
0.652	98.43	0.944	94.3	1.601	94.53
0.654	96.79	0.948	93.92	1.602	95.12
0.656	94.03	0.952	92.37	1.603	94
0.658	92.75	0.956	91	1.604	95.46
0.66	90.41	0.96	90.01	1.605	93.96
0.662	88.63	0.964	89.5	1.606	95.02
0.664	87.11	0.968	89.38	1.607	94.15
0.666	86.74	0.972	88.08	1.608	94.57
0.668	87.69	0.976	84.09	1.609	94.62
0.67	89.95	0.98	78.21	1.61	93.73
0.672	93.34	0.984	72.91	1.611	94.35
0.674	95.35	0.988	70.26	1.612	93.16
0.676	89.57	0.992	63.66	1.613	94.43
0.678	71.41	0.996	40	1.614	92.61
0.68	47.92	1	15.65	1.615	94.13
0.682	28.54	1.004	5.466	1.616	93.09
0.684	16.15	1.008	2.097	1.617	93.36
0.686	9.081	1.012	0.9229	1.618	93.44
0.688	5.125	1.016	0.471	1.619	93.12
0.69	2.97	1.02	0.2807	1.62	94.01
0.692	1.796	1.024	0.1864	1.621	92.98
0.694	1.088	1.028	0.1385	1.622	94.32
0.696	0.6681	1.032	0.1013	1.623	93.05
0.698	0.4033	1.036	0.08116	1.624	100
0.7	0.2331	1.04	0.06362	1.625	93.56
0.702	0.1275	1.044	0.05126	1.626	93.39
0.704	0.07413	1.048	0.03825	1.627	95.56
0.706	0.0412	1.052	0.02733	1.628	92.1

0.708	0.029	1.056	0.02058	1.629	89.69
0.71	0.02537	1.06	0.01907	1.63	87.36
0.712	-0.01369	1.064	0.0112	1.631	86.5
0.714	0.008909	1.068	0.01003	1.632	82.9
0.716	-0.01376	1.072	0.009464	1.633	82.16
0.718	-0.001914	-	-	1.634	78.24
0.72	-0.004212	-	-	1.635	72.23
0.722	-0.01787	-	-	1.636	58.89
0.724	0.0011	-	-	1.637	47.8
0.726	0.001362	-	-	1.638	37.41
0.728	0.00199	-	-	1.639	29.66
0.73	-0.007353	-	-	1.64	23.93
0.732	0.007324	-	-	1.641	18.76
0.734	4.853E-05	-	-	1.642	14.92
0.736	0.003495	-	-	1.643	11.66
0.738	-0.007934	-	-	1.644	9.685
0.74	0.01028	-	-	1.645	7.643
0.742	-0.001353	-	-	1.646	6.282
0.744	0.00312	-	-	1.647	5.004
0.746	-0.004181	-	-	1.648	4.144
0.748	0.0004726	-	-	1.649	3.379
0.75	0.008602	-	-	1.65	2.875
0.752	-9.348E-05	-	-	1.651	2.38
0.754	0.008985	-	-	1.652	1.977
0.756	0.0012	-	-	1.653	1.668
0.758	0.001857	-	-	1.654	1.39
0.76	0.001879	-	-	1.655	1.19
0.762	0.009218	-	-	1.656	0.9964
0.764	0.006994	-	-	1.657	0.8589
0.766	0.005242	-	-	1.658	0.7168
0.768	-0.006815	-	-	1.659	0.6288
0.77	0.005009	-	-	1.66	0.5247
0.772	-0.004104	-	-	1.661	0.4752
0.774	0.009178	-	-	1.662	0.3974
0.776	0.01019	-	-	1.663	0.3486
0.778	0.004144	-	-	1.664	0.3085
0.78	-0.007043	-	-	1.665	0.2679
0.782	0.00225	-	-	1.666	0.2313
0.784	0.002506	-	-	1.667	0.2033
0.786	0.007953	-	-	1.668	0.1823
0.788	0.004954	-	-	1.669	0.1619
0.79	0.003137	-	-	1.67	0.1408
0.792	-0.002639	-	-	1.671	0.1326

0.794	0.008037	-	-	1.672	0.1234
0.796	0.01802	-	-	1.673	0.1114
0.798	0.003976	-	-	1.674	0.1007
0.8	-0.002712	-	-	1.675	0.08638
0.802	0.005298	-	-	1.676	0.0796
0.804	-0.005222	-	-	1.677	0.0762
0.806	0.004339	-	-	1.678	0.06907
0.808	0.007625	-	-	1.679	0.06739
0.81	0.001873	-	-	1.68	0.05652
0.812	0.006123	-	-	1.681	0.05379
0.814	-0.004213	-	-	1.682	0.0533
0.816	0.009167	-	-	1.683	0.0516
0.818	0.001116	-	-	1.684	0.04725
0.82	0.01765	-	-	1.685	0.04468
0.822	0.00647	-	-	1.686	0.03846
0.824	0.008867	-	-	1.687	0.03259
0.826	0.001118	-	-	1.688	0.03191
0.828	-0.0002036	-	-	1.689	0.03388
0.83	0.0007624	-	-	1.69	0.04858
-	-	-	-	1.691	0.02507
-	-	-	-	1.692	0.02033
-	-	-	-	1.693	0.02351
-	-	-	-	1.694	0.02156
-	-	-	-	1.695	0.02583
-	-	-	-	1.696	0.02525
-	-	-	-	1.697	0.02323
-	-	-	-	1.698	0.02113
-	-	-	-	1.699	0.01867
-	-	-	-	1.7	0.02431
-	-	-	-	1.701	0.002693
-	-	-	-	1.702	0.01483
-	-	-	-	1.703	0.01512
-	-	-	-	1.704	0.01155
-	-	-	-	1.705	0.008663
-	-	-	-	1.706	0.007095
-	-	-	-	1.707	0.006973
-	-	-	-	1.708	0.002238
-	-	-	-	1.709	0.006505
-	-	-	-	1.71	-0.001229
-	-	-	-	1.711	0.001694
-	-	-	-	1.712	-0.001285
-	-	-	-	1.713	-0.00546
-	-	-	-	1.714	0.002052

-	-	-	-	1.715	0.0009516
-	-	-	-	1.716	0.002313
-	-	-	-	1.717	0.001935
-	-	-	-	1.718	-2.684E-05
-	-	-	-	1.719	-0.00279
-	-	-	-	1.72	0.004054
-	-	-	-	1.721	-0.009511
-	-	-	-	1.722	0.001225
-	-	-	-	1.723	0.0007064
-	-	-	-	1.724	0.001214
-	-	-	-	1.725	-0.01182
-	-	-	-	1.726	0.0004621
-	-	-	-	1.727	-0.008961
-	-	-	-	1.728	-0.004333
-	-	-	-	1.729	-0.004064
-	-	-	-	1.73	0.006525

Table D.4-9. NOAA-18 AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
2.98	0.005821	8.8	0.1664	10	-0.03539
2.987	0.00561	8.82	0.3266	10.02	0.009362
2.994	0.002355	8.84	0.1765	10.04	-0.03535
3.001	-1.529E-05	8.86	0.1904	10.06	-0.0293
3.008	0.0004373	8.88	0.0145	10.08	0.0295
3.015	0.002535	8.9	0.08326	10.1	0.07683
3.022	0.001323	8.92	0.2341	10.12	-0.04549
3.029	0.0001636	8.94	0.1932	10.14	-0.02886
3.036	3.501E-05	8.96	0.2334	10.16	0.001643
3.043	0.001975	8.98	0.1628	10.18	-0.04027
3.05	0.002208	9	0.06109	10.2	0.04544
3.057	0.002149	9.02	0.1955	10.22	-0.01036
3.064	0.002497	9.04	0.261	10.24	0.009124
3.071	0.00311	9.06	0.1657	10.26	-0.02651
3.078	0.003457	9.08	0.2374	10.28	0.05153
3.085	0.004767	9.1	0.1182	10.3	-0.05612
3.092	0.004772	9.12	0.1036	10.32	0.03368
3.099	0.001163	9.14	0.1938	10.34	-0.05408
3.106	0.0005487	9.16	0.05562	10.36	0.0223
3.113	0.001447	9.18	0.0903	10.38	0.02301
3.12	0.002405	9.2	0.1095	10.4	-0.009716
3.127	0.001675	9.22	0.01739	10.42	-0.02414
3.134	0.002932	9.24	0.09689	10.44	-0.0637
3.141	5.941E-05	9.26	0.05051	10.46	-0.0008269
3.148	0.00345	9.28	0.06581	10.48	-0.04951
3.155	0.001651	9.3	0.08589	10.5	0.06151
3.162	0.003187	9.32	0.05129	10.52	-0.01731
3.169	0.001797	9.34	0.1091	10.54	-0.03997
3.176	0.004379	9.36	0.08176	10.56	-0.01921
3.183	0.003722	9.38	0.1259	10.58	0.03774
3.19	0.002581	9.4	0.01984	10.6	0.02313
3.197	0.001678	9.42	0.1111	10.62	-0.03246
3.204	0.005527	9.44	0.1688	10.64	-0.03007
3.211	0.0002406	9.46	0.1304	10.66	0.06583
3.218	0.00132	9.48	-0.09623	10.68	0.01592
3.225	0.006236	9.5	0.0599	10.7	-0.05888
3.232	0.004785	9.52	-0.02466	10.72	-0.06153
3.239	0.002852	9.54	-0.01773	10.74	0.03855

3.246	0.000298	9.56	-0.001286	10.76	-0.03731
3.253	0.00556	9.58	-0.0394	10.78	0.004311
3.26	0.005595	9.6	-0.0406	10.8	0.04331
3.267	0.004846	9.62	-0.02805	10.82	-0.01564
3.274	0.005526	9.64	-0.1551	10.84	0.06147
3.281	0.002007	9.66	-0.08078	10.86	-0.02778
3.288	-0.0004339	9.68	-0.0552	10.88	0.02984
3.295	0.003932	9.7	-0.05489	10.9	-0.0221
3.302	0.009059	9.72	0.0202	10.92	0.03233
3.309	0.005778	9.74	-0.05128	10.94	0.06169
3.316	0.01257	9.76	-0.01781	10.96	0.05259
3.323	0.008382	9.78	-0.1544	10.98	-0.01183
3.33	0.009695	9.8	-0.06868	11	-0.01661
3.337	0.0043	9.82	-0.102	11.02	-0.002161
3.344	0.01084	9.84	-0.1521	11.04	0.1169
3.351	0.01195	9.86	-0.1032	11.06	-0.05575
3.358	0.01725	9.88	-0.1164	11.08	0.02142
3.365	0.01695	9.9	-0.09603	11.1	0.06993
3.372	0.02007	9.92	-0.1049	11.12	-0.0166
3.379	0.0251	9.94	-0.1887	11.14	0.07442
3.386	0.03252	9.96	-0.1412	11.16	-0.03891
3.393	0.04612	9.98	-0.1042	11.18	0.04464
3.4	0.06196	10	-0.1022	11.2	0.02668
3.407	0.08595	10.02	-0.127	11.22	-0.0183
3.414	0.119	10.04	0.02737	11.24	0.04568
3.421	0.1649	10.06	0.1489	11.26	-0.00688
3.428	0.1976	10.08	0.3211	11.28	0.02574
3.435	0.3627	10.1	0.6807	11.3	0.09864
3.442	0.4956	10.12	1.229	11.32	0.1962
3.449	0.6263	10.14	2.121	11.34	0.3741
3.456	0.8734	10.16	3.478	11.36	0.7868
3.463	1.028	10.18	5.523	11.38	1.571
3.47	1.321	10.2	8.297	11.4	2.875
3.477	1.579	10.22	12.01	11.42	5.23
3.484	1.956	10.24	16.59	11.44	8.925
3.491	2.343	10.26	21.82	11.46	15.32
3.498	2.728	10.28	28.04	11.48	24.65
3.505	3.498	10.3	36.11	11.5	36.17
3.512	4.298	10.32	45.15	11.52	48.31
3.519	6.077	10.34	54.89	11.54	58.85
3.526	7.809	10.36	65.02	11.56	67.67
3.533	10.8	10.38	74.83	11.58	73.48
3.54	15.23	10.4	83.64	11.6	77.85

3.547	21.18	10.42	89.46	11.62	79.85
3.554	29.14	10.44	94.95	11.64	82.47
3.561	36.85	10.46	97.2	11.66	83.31
3.568	49.22	10.48	97.76	11.68	85.39
3.575	58.74	10.5	98.31	11.7	86.94
3.582	70.04	10.52	97.18	11.72	88.47
3.589	77.15	10.54	98.26	11.74	90.35
3.596	79.57	10.56	99.08	11.76	92.79
3.603	81.86	10.58	98.26	11.78	93.14
3.61	81.4	10.6	99.65	11.8	93.71
3.617	84.25	10.62	100	11.82	95.72
3.624	81.43	10.64	99.38	11.84	98.03
3.631	84.86	10.66	98.96	11.86	97.78
3.638	82.78	10.68	98.7	11.88	99.09
3.645	83.16	10.7	98.34	11.9	97.98
3.652	83.36	10.72	97.68	11.92	99.45
3.659	85	10.74	97.32	11.94	99.56
3.666	95.38	10.76	96.96	11.96	99.83
3.673	93.76	10.78	96.52	11.98	100
3.68	84.9	10.8	95.47	12	99.15
3.687	88.73	10.82	94.86	12.02	98.48
3.694	89.76	10.84	95.06	12.04	98.44
3.701	89.21	10.86	95.04	12.06	95.09
3.708	86.22	10.88	94.44	12.08	93.53
3.715	89.46	10.9	93.75	12.1	92.95
3.722	85.68	10.92	92.68	12.12	90.8
3.729	90.26	10.94	94.39	12.14	90.82
3.736	89.67	10.96	92.52	12.16	89.38
3.743	93.6	10.98	94.14	12.18	88.33
3.75	92.67	11	92.27	12.2	88.71
3.757	91.65	11.02	92.15	12.22	86.41
3.764	92.49	11.04	90.55	12.24	88.33
3.771	94.58	11.06	90.11	12.26	89.27
3.778	92.4	11.08	88.31	12.28	89.95
3.785	92.22	11.1	87.36	12.3	91.59
3.792	95.55	11.12	87.15	12.32	93.14
3.799	97	11.14	84.44	12.34	94.25
3.806	94.28	11.16	83.06	12.36	94.16
3.813	94.47	11.18	79.52	12.38	92.34
3.82	94.82	11.2	77.08	12.4	96.56
3.827	95.15	11.22	72.44	12.42	95.37
3.834	95.26	11.24	69.35	12.44	97.64
3.841	96.1	11.26	63.02	12.46	93.88

3.848	97.23	11.28	57.15	12.48	82.69
3.855	98.11	11.3	50.13	12.5	63.53
3.862	95.69	11.32	43.17	12.52	42.87
3.869	95.4	11.34	35.73	12.54	26.33
3.876	97.07	11.36	27.99	12.56	14.92
3.883	93.86	11.38	21.5	12.58	8.684
3.89	100	11.4	15.3	12.6	4.974
3.897	99.77	11.42	10.68	12.62	2.797
3.904	99.52	11.44	7.159	12.64	1.742
3.911	99.16	11.46	4.722	12.66	1.017
3.918	98.94	11.48	3.078	12.68	0.5638
3.925	96.26	11.5	1.982	12.7	0.3322
3.932	91	11.52	1.159	12.72	0.144
3.939	86.68	11.54	0.6558	12.74	0.0605
3.946	71.67	11.56	0.4008	12.76	-0.05995
3.953	55.73	11.58	0.07971	12.78	-0.0385
3.96	41.3	11.6	0.008586	12.8	-0.06778
3.967	29.33	11.62	-0.1254	12.82	0.1887
3.974	20.65	11.64	-0.21	12.84	0.2857
3.981	14.13	11.66	-0.1972	12.86	0.04413
3.988	9.936	11.68	-0.3574	12.88	0.1186
3.995	6.924	11.7	-0.3092	12.9	0.02591
4.002	4.856	11.72	-0.3359	12.92	-0.1105
4.009	3.513	11.74	-0.5355	12.94	0.1204
4.016	2.442	11.76	-0.4984	12.96	-0.06407
4.023	1.889	11.78	-0.4807	12.98	0.1746
4.03	1.269	11.8	-0.3643	13	0.1595
4.037	1.087	11.82	-0.4365	13.02	0.1376
4.044	0.7584	11.84	-0.5022	13.04	-0.1519
4.051	0.6058	11.86	-0.4786	13.06	0.05289
4.058	0.4821	11.88	-0.4761	13.08	0.05021
4.065	0.3838	11.9	-0.4715	13.1	0.08246
4.072	0.3136	11.92	-0.5192	13.12	0.2107
4.079	0.248	11.94	-0.2958	13.14	0.03574
4.086	0.2115	11.96	-0.6285	13.16	-0.01452
4.093	0.1635	11.98	-0.5023	13.18	0.06603
4.1	0.1403	12	-0.1587	13.2	-0.004502
4.107	0.1133	12.02	-0.4732	13.22	0.02938
4.114	0.08231	12.04	-0.3381	13.24	-0.04886
4.121	0.06583	12.06	-0.469	13.26	0.0832
4.128	0.05304	12.08	-0.4146	13.28	0.2739
4.135	0.0337	12.1	-0.6317	13.3	-0.03366
4.142	0.02065	12.12	-0.6343	13.32	0.1177

4.149	0.01889	12.14	-0.4281	13.34	0.2025
4.156	0.01196	12.16	-0.6491	13.36	0.008849
4.163	0.004455	12.18	-0.2293	13.38	0.02656
4.17	0.007121	12.2	-0.4266	13.4	-0.01216
4.177	0.002943	12.22	-0.6318	13.42	0.3052
4.184	-0.0007016	12.24	-0.4505	13.44	-0.002972
4.191	-0.002028	12.26	-0.4623	13.46	0.01109
4.198	-0.003898	12.28	-0.5168	13.48	-0.1169
4.205	-0.0139	12.3	-0.6779	13.5	0.509
4.212	-0.04703	12.32	-0.5929	13.52	-0.1562
4.219	-0.05257	12.34	-0.8243	13.54	0.2066
4.226	-0.07508	12.36	-0.5347	13.56	0.1686
4.233	-0.02801	12.38	-0.3443	13.58	-0.09293
4.24	-0.03737	12.4	-0.5403	13.6	-0.007727
4.247	-0.1056	12.42	-0.5	13.62	-0.09775
4.254	-0.07546	12.44	-0.7121	13.64	-0.07847
4.261	-0.06858	12.46	-0.7646	13.66	0.04921
4.268	-0.1266	12.48	-0.5827	13.68	-0.1566
4.275	-0.0527	12.5	-0.725	13.7	-0.1099
4.282	-0.04364	12.52	-0.7138	13.72	0.3277
4.289	-0.0431	12.54	-0.6647	13.74	-0.08578
4.296	-0.009898	12.56	-8.718	13.76	-0.003167
4.303	-0.01734	12.58	-0.8265	13.78	0.07112
4.31	-0.03678	12.6	-0.7906	13.8	-0.07199
4.317	0.01129	12.62	-0.4469	13.82	-0.05294
4.324	-0.002634	12.64	-0.4937	13.84	0.2021
4.331	0.002679	12.66	-0.8176	13.86	0.03029
4.338	0.002191	12.68	-0.6362	13.88	0.02452
4.345	0.00577	12.7	-0.7739	13.9	-0.1051
4.352	0.01104	12.72	-0.6734	13.92	0.4075
4.359	-0.008302	12.74	-0.9375	13.94	-0.1286
4.366	-0.009341	12.76	-0.4207	13.96	0.07785
4.373	-0.005425	12.78	-0.6681	13.98	0.07564
4.38	-0.005811	12.8	-0.4439	14	-0.1319
4.387	-0.005233	-	-	-	-
4.394	-0.001638	-	-	-	-
4.401	-0.005789	-	-	-	-
4.408	-0.004191	-	-	-	-
4.415	-0.004848	-	-	-	-
4.422	-0.005277	-	-	-	-
4.429	-0.003116	-	-	-	-
4.436	-0.004228	-	-	-	-
4.443	-0.0102	-	-	-	-

4.45	-0.01022	-	-	-	-
4.457	-0.008099	-	-	-	-
4.464	-0.0053	-	-	-	-
4.471	-0.01029	-	-	-	-
4.478	-0.003282	-	-	-	-
4.485	-0.00695	-	-	-	-
4.492	-0.005923	-	-	-	-
4.499	-0.001851	-	-	-	-

Figure D.4-1. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 1.

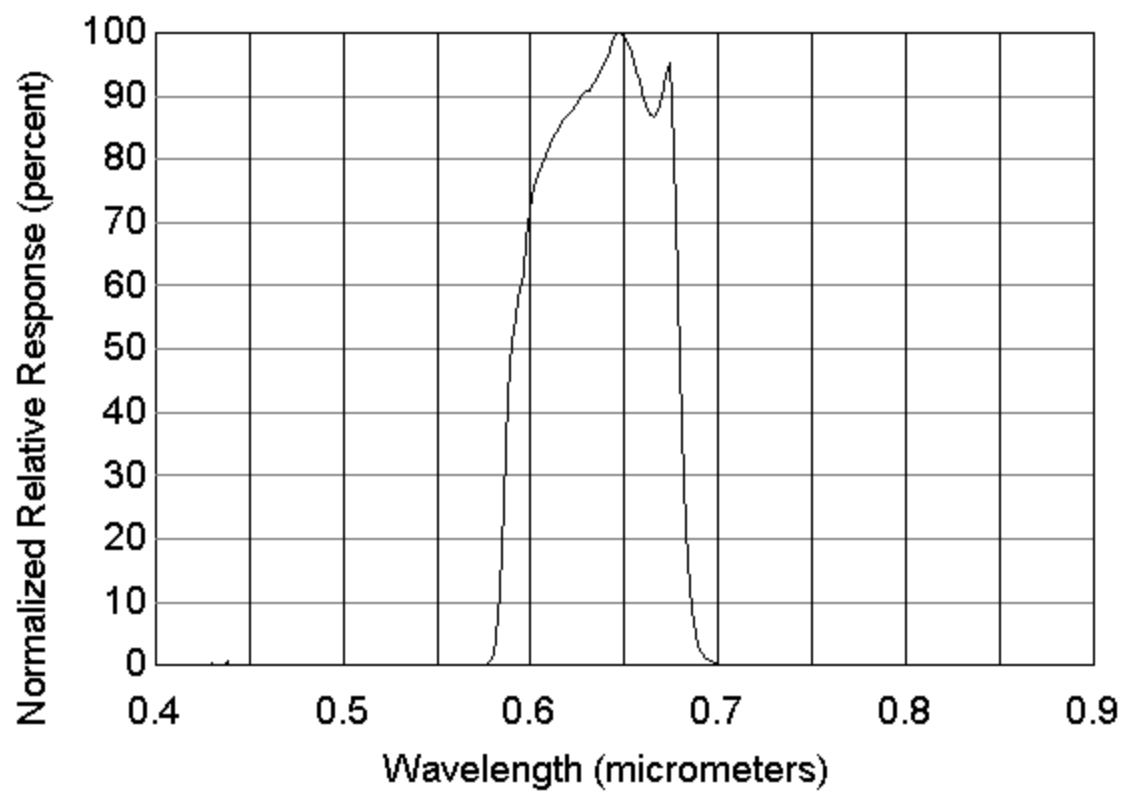


Figure D.4-1. Spectral Response Curve for NOAA-18 Channel 1.

Figure D.4-2. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 2.

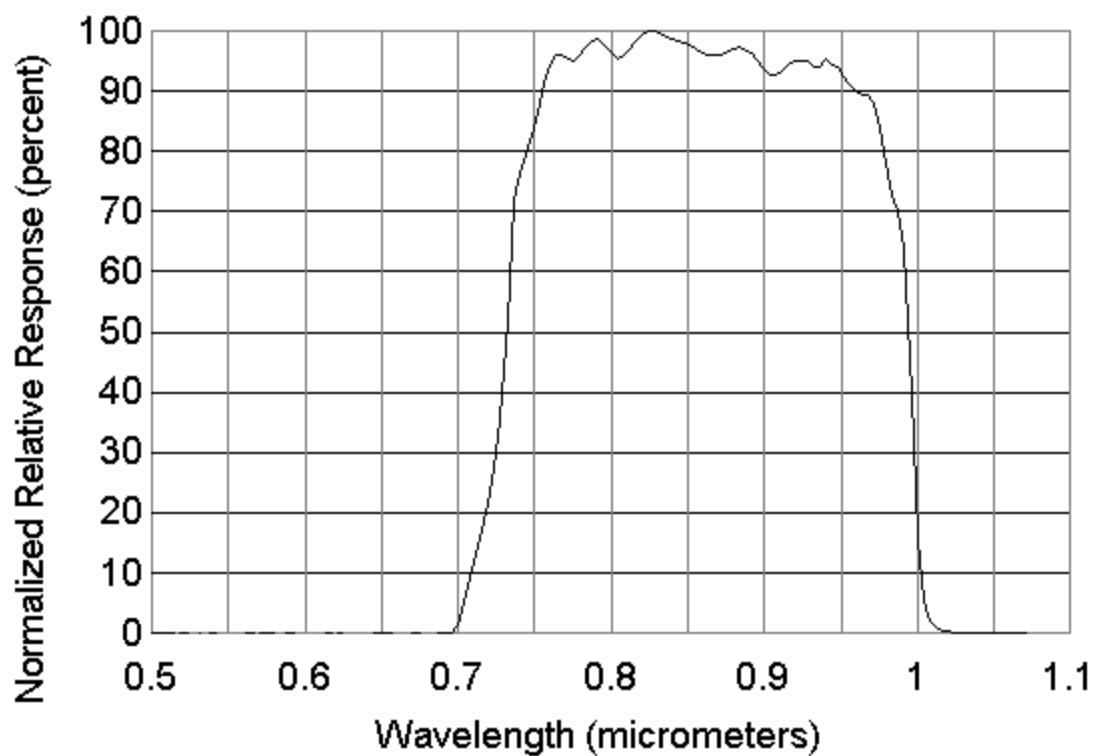


Figure D.4-2. Spectral Response Curve for NOAA-18 Channel 2.

Figure D.4-3. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 3A.

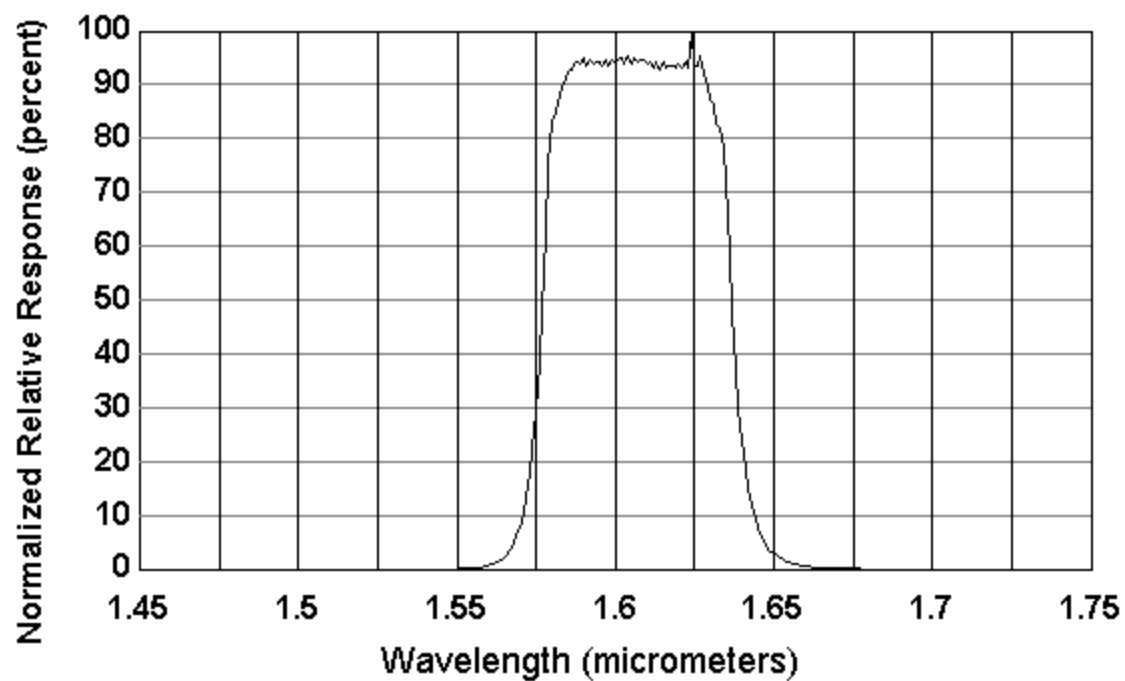


Figure D.4-3. Spectral Response Curve for NOAA-18 Channel 3A.

Figure D.4-4. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 3B.

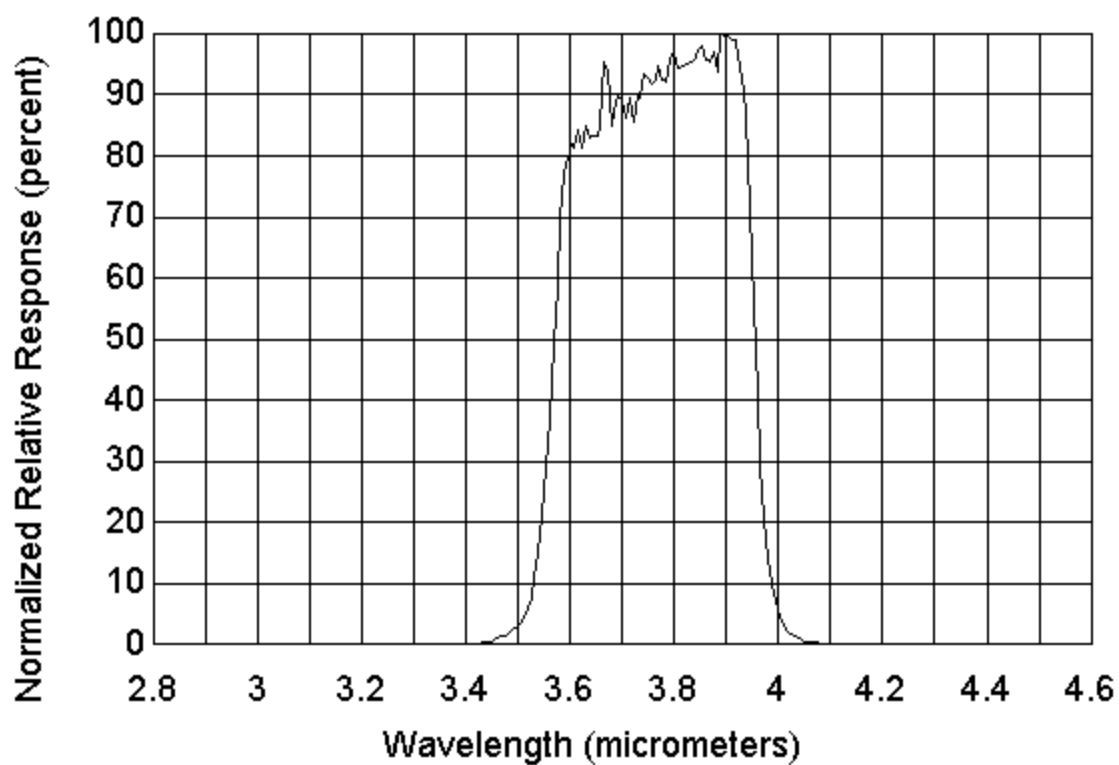


Figure D.4-4. Spectral Response Curve for NOAA-18 Channel 3B.

Figure D.4-5. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 4.

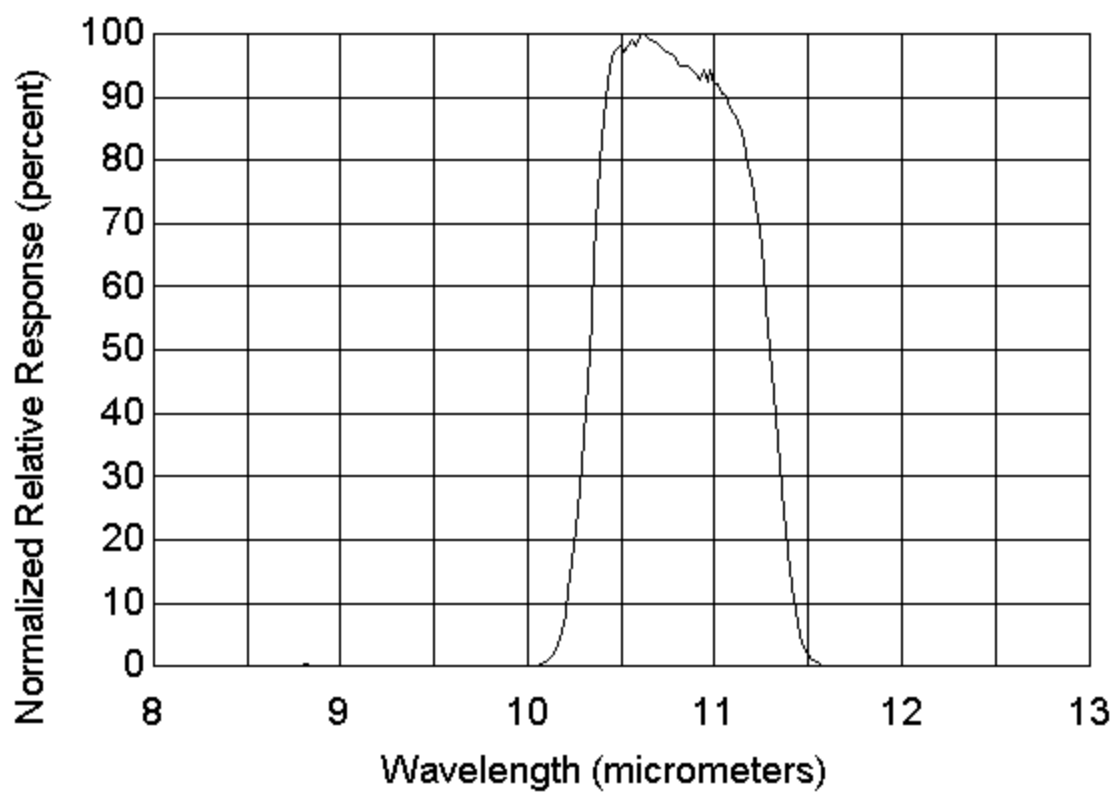


Figure D.4-5. Spectral Response Curve for NOAA-18 Channel 4.

Figure D.4-6. Spectral Response Curve for NOAA-18 AVHRR/3 Channel 5.

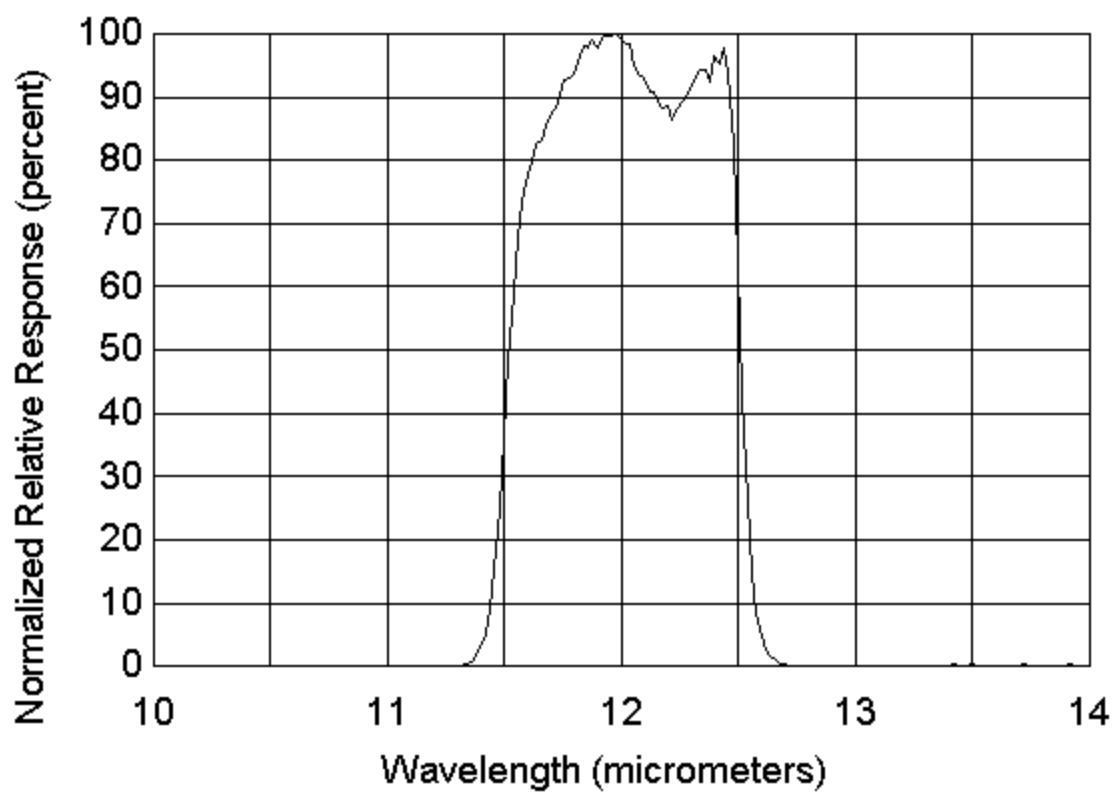


Figure D.4-6. Spectral Response Curve for NOAA-18 Channel 5.

HIRS:

Table D.4-10 contains the NOAA-18 HIRS H305 central wave numbers, half power bandwidth and band correction coefficients for the thermal channels.

Table D.4-10. NOAA-18 HIRS (H305) Central Wave Numbers (n_c), Half power Bandwidth and Band Correction Coefficients (b and c).				
Channel #	n_c (cm⁻¹)	Half power bandwidth (cm⁻¹)	b	c
1	668.18	3.81	0.001128	0.99999
2	680.94	10.45	0.008162	0.99996
3	689.68	14.68	0.019228	0.99991
4	703.81	15.91	0.017887	0.99992
5	714.34	16.86	0.019409	0.99991
6	731.54	17.00	0.019968	0.99991
7	750.56	19.26	0.109210	0.99973
8	900.46	34.88	0.065734	0.99977
9	1029.10	22.07	0.043472	0.99986
10	800.73	14.83	0.016207	0.99994
11	1364.70	39.12	0.071179	0.99982
12	1532.20	53.44	0.110780	0.99975
13	2189.20	20.69	0.017224	0.99997
14	2208.40	22.05	0.018594	0.99997
15	2238.40	21.65	0.019559	0.99997
16	2246.70	21.44	0.017640	0.99997
17	2419.20	27.78	0.029872	0.99995
18	2515.40	32.42	0.048696	0.99993
19	2666.10	101.30	0.280120	0.99962

Table D.4-11 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-18 HIRS/305 instrument.

Table D.4-11. NOAA-18 IWT PRT Count to Temperature Coefficients for HIRS/305.						
PRT	A	B	C	D	E	F
1	2.818913E+01	6.571395E-03	8.918025E-08	3.469261E-11	8.789154E-16	6.667266E-19
2	2.823452E+01	6.556452E-03	8.791554E-08	3.575126E-11	1.010300E-15	5.881786E-19
3	2.821351E+01	6.574104E-03	9.044518E-08	3.422432E-11	8.675638E-16	6.772438E-19
4	2.818215E+01	6.571375E-03	8.890512E-08	3.598827E-11	1.001696E-15	5.830618E-19
5	2.823273E+01	6.569930E-03	8.772601E-08	3.383069E-11	1.044107E-15	6.888075E-19

This information is based on the data in HIRS/4 H305 Alignment/Calibration Handbook, Revision E, May 2003.

Table D.4-12 contains the primary, secondary and tertiary telescope temperature coefficients for the NOAA-18 HIRS/H305 instrument.

Table D.4-12. NOAA-17 HIRS/305 Primary, Secondary and Tertiary Telescope Temperature Coefficients.						
	A	B	C	D	E	F
Primary	-1.297930 E+01	1.760107 E-02	-3.801217 E-06	1.395499E -09	-2.765677 E-13	2.919796 E-17
Secondary	-1.294181 E+01	1.768703E -02	-3.910969 E-06	1.447734E -09	-2.868346 E-13	2.985872 E-17
Tertiary	-1.294164 E+01	1.758273E -02	-3.788286 E-06	1.385381E -09	-2.722860 E-13	2.857689 E-17
This information is based on the data in HIRS/4 H305 Alignment/Calibration Handbook, Revision E, May 2003.						

Table D.4-13 contains the actual filter functions for NOAA-18 HIRS/H305

Table D.4-13. Normalized Response Functions for the NOAA-18 HIRS H305 Thermal Channels.				
Channel 1				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.63800E+02	0.00000E+00	2.57520E-01	0.00000E+00	0.00000E+00
6.63900E+02	1.73210E-04	2.57730E-01	4.46420E-05	2.98770E-04
6.64000E+02	2.40900E-04	2.57950E-01	6.21400E-05	4.15880E-04
6.64100E+02	1.59840E-03	2.58190E-01	4.12690E-04	2.76200E-03
6.64200E+02	3.03690E-03	2.58440E-01	7.84850E-04	5.25270E-03
6.64300E+02	4.89460E-03	2.58690E-01	1.26620E-03	8.47400E-03
6.64400E+02	7.72030E-03	2.58930E-01	1.99900E-03	1.33790E-02
6.64500E+02	1.12160E-02	2.59180E-01	2.90690E-03	1.94550E-02
6.64600E+02	1.56170E-02	2.59420E-01	4.05150E-03	2.71150E-02
6.64700E+02	2.12960E-02	2.59670E-01	5.53000E-03	3.70100E-02
6.64800E+02	2.81220E-02	2.59910E-01	7.30920E-03	4.89180E-02
6.64900E+02	3.62850E-02	2.60160E-01	9.43980E-03	6.31780E-02
6.65000E+02	4.60360E-02	2.60400E-01	1.19880E-02	8.02300E-02
6.65100E+02	5.72580E-02	2.60640E-01	1.49240E-02	9.98790E-02
6.65200E+02	7.00530E-02	2.60880E-01	1.82760E-02	1.22310E-01
6.65300E+02	8.45300E-02	2.61120E-01	2.20730E-02	1.47730E-01
6.65400E+02	1.00510E-01	2.61370E-01	2.62690E-02	1.75810E-01

6.65500E+02	1.17960E-01	2.61610E-01	3.08600E-02	2.06540E-01
6.65600E+02	1.36850E-01	2.61880E-01	3.58380E-02	2.39850E-01
6.65700E+02	1.56890E-01	2.62160E-01	4.11300E-02	2.75270E-01
6.65800E+02	1.77960E-01	2.62430E-01	4.67020E-02	3.12560E-01
6.65900E+02	1.99900E-01	2.62700E-01	5.25120E-02	3.51450E-01
6.66000E+02	2.22370E-01	2.62970E-01	5.84760E-02	3.91360E-01
6.66100E+02	2.45180E-01	2.63320E-01	6.45610E-02	4.32090E-01
6.66200E+02	2.68130E-01	2.63680E-01	7.06990E-02	4.73170E-01
6.66300E+02	2.90910E-01	2.64030E-01	7.68090E-02	5.14060E-01
6.66400E+02	3.13350E-01	2.64390E-01	8.28450E-02	5.54450E-01
6.66500E+02	3.35280E-01	2.64740E-01	8.87620E-02	5.94060E-01
6.66600E+02	3.56480E-01	2.65100E-01	9.45020E-02	6.32470E-01
6.66700E+02	3.76850E-01	2.65460E-01	1.00040E-01	6.69520E-01
6.66800E+02	3.96310E-01	2.65820E-01	1.05350E-01	7.05040E-01
6.66900E+02	4.14740E-01	2.66180E-01	1.10390E-01	7.38830E-01
6.67000E+02	4.32120E-01	2.66530E-01	1.15180E-01	7.70840E-01
6.67100E+02	4.48450E-01	2.66930E-01	1.19700E-01	8.01140E-01
6.67200E+02	4.63660E-01	2.67320E-01	1.23950E-01	8.29540E-01
6.67300E+02	4.77780E-01	2.67720E-01	1.27910E-01	8.56060E-01
6.67400E+02	4.90810E-01	2.68110E-01	1.31590E-01	8.80690E-01
6.67500E+02	5.02700E-01	2.68530E-01	1.34990E-01	9.03420E-01
6.67600E+02	5.13440E-01	2.68950E-01	1.38090E-01	9.24170E-01
6.67700E+02	5.22980E-01	2.69370E-01	1.40880E-01	9.42830E-01
6.67800E+02	5.31260E-01	2.69790E-01	1.43330E-01	9.59250E-01
6.67900E+02	5.38200E-01	2.70210E-01	1.45430E-01	9.73290E-01
6.68000E+02	5.43700E-01	2.70630E-01	1.47140E-01	9.84760E-01
6.68100E+02	5.47640E-01	2.70900E-01	1.48360E-01	9.92920E-01
6.68200E+02	5.49920E-01	2.71180E-01	1.49130E-01	9.98070E-01
6.68300E+02	5.50410E-01	2.71460E-01	1.49420E-01	1.00000E+00
6.68400E+02	5.49010E-01	2.71740E-01	1.49190E-01	9.98490E-01
6.68500E+02	5.45630E-01	2.72020E-01	1.48420E-01	9.93350E-01
6.68600E+02	5.40180E-01	2.72310E-01	1.47090E-01	9.84450E-01
6.68700E+02	5.32630E-01	2.72590E-01	1.45190E-01	9.71690E-01
6.68800E+02	5.22960E-01	2.72870E-01	1.42700E-01	9.55040E-01
6.68900E+02	5.11180E-01	2.73160E-01	1.39630E-01	9.34510E-01
6.69000E+02	4.97380E-01	2.73440E-01	1.36000E-01	9.10230E-01
6.69100E+02	4.81640E-01	2.73720E-01	1.31830E-01	8.82320E-01
6.69200E+02	4.64080E-01	2.74000E-01	1.27160E-01	8.51030E-01
6.69300E+02	4.44900E-01	2.74280E-01	1.22030E-01	8.16700E-01
6.69400E+02	4.24260E-01	2.74590E-01	1.16500E-01	7.79680E-01
6.69500E+02	4.02390E-01	2.74910E-01	1.10620E-01	7.40350E-01
6.69600E+02	3.79550E-01	2.75230E-01	1.04460E-01	6.99150E-01
6.69700E+02	3.55960E-01	2.75550E-01	9.80850E-02	6.56450E-01

6.69800E+02	3.31870E-01	2.75880E-01	9.15550E-02	6.12750E-01
6.69900E+02	3.07570E-01	2.76200E-01	8.49520E-02	5.68560E-01
6.70000E+02	2.83260E-01	2.76530E-01	7.83310E-02	5.24240E-01
6.70100E+02	2.59200E-01	2.76820E-01	7.17530E-02	4.80220E-01
6.70200E+02	2.35640E-01	2.77110E-01	6.53000E-02	4.37030E-01
6.70300E+02	2.12730E-01	2.77400E-01	5.90120E-02	3.94940E-01
6.70400E+02	1.90660E-01	2.77700E-01	5.29450E-02	3.54340E-01
6.70500E+02	1.69630E-01	2.77990E-01	4.71550E-02	3.15590E-01
6.70600E+02	1.49700E-01	2.78280E-01	4.16570E-02	2.78800E-01
6.70700E+02	1.31000E-01	2.78570E-01	3.64920E-02	2.44230E-01
6.70800E+02	1.13660E-01	2.78860E-01	3.16950E-02	2.12120E-01
6.70900E+02	9.76350E-02	2.79150E-01	2.72550E-02	1.82410E-01
6.71000E+02	8.30080E-02	2.79440E-01	2.31960E-02	1.55240E-01
6.71100E+02	6.98340E-02	2.79720E-01	1.95340E-02	1.30740E-01
6.71200E+02	5.79800E-02	2.80010E-01	1.62350E-02	1.08660E-01
6.71300E+02	4.74910E-02	2.80300E-01	1.33120E-02	8.90920E-02
6.71400E+02	3.83730E-02	2.80610E-01	1.07680E-02	7.20660E-02
6.71500E+02	3.04180E-02	2.80920E-01	8.54490E-03	5.71880E-02
6.71600E+02	2.36590E-02	2.81230E-01	6.65370E-03	4.45310E-02
6.71700E+02	1.80760E-02	2.81540E-01	5.08900E-03	3.40590E-02
6.71800E+02	1.33890E-02	2.81850E-01	3.77360E-03	2.52560E-02
6.71900E+02	9.65750E-03	2.82160E-01	2.72490E-03	1.82370E-02
6.72000E+02	6.85290E-03	2.82470E-01	1.93570E-03	1.29550E-02
6.72100E+02	4.61150E-03	2.82770E-01	1.30400E-03	8.72740E-03
6.72200E+02	3.06700E-03	2.83080E-01	8.68210E-04	5.81070E-03
6.72300E+02	2.20910E-03	2.83390E-01	6.26020E-04	4.18980E-03
6.72400E+02	1.50690E-03	2.83690E-01	4.27510E-04	2.86120E-03
6.72500E+02	1.29130E-03	2.84000E-01	3.66730E-04	2.45440E-03
6.72600E+02	1.68100E-03	2.84300E-01	4.77910E-04	3.19850E-03
6.72700E+02	1.29810E-03	2.84600E-01	3.69450E-04	2.47260E-03
6.72800E+02	0.00000E+00	2.84910E-01	0.00000E+00	0.00000E+00
Channel 2				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.69200E+02	0.00000E+00	2.74000E-01	0.00000E+00	0.00000E+00
6.69250E+02	2.58780E-04	2.74140E-01	7.09430E-05	4.50390E-04
6.69300E+02	6.45400E-04	2.74280E-01	1.77020E-04	1.12390E-03
6.69350E+02	1.71160E-03	2.74430E-01	4.69720E-04	2.98210E-03
6.69400E+02	2.80200E-03	2.74590E-01	7.69400E-04	4.88460E-03
6.69450E+02	2.80700E-03	2.74750E-01	7.71220E-04	4.89620E-03
6.69500E+02	2.90200E-03	2.74910E-01	7.97790E-04	5.06490E-03

6.69550E+02	2.90700E-03	2.75070E-01	7.99630E-04	5.07660E-03
6.69600E+02	3.00200E-03	2.75230E-01	8.26250E-04	5.24550E-03
6.69650E+02	3.00700E-03	2.75390E-01	8.28110E-04	5.25740E-03
6.69700E+02	3.10200E-03	2.75550E-01	8.54770E-04	5.42660E-03
6.69750E+02	3.10700E-03	2.75720E-01	8.56650E-04	5.43860E-03
6.69800E+02	3.20200E-03	2.75880E-01	8.83360E-04	5.60820E-03
6.69850E+02	3.20700E-03	2.76040E-01	8.85270E-04	5.62020E-03
6.69900E+02	3.30200E-03	2.76200E-01	9.12030E-04	5.79010E-03
6.69950E+02	3.30700E-03	2.76370E-01	9.13950E-04	5.80230E-03
6.70000E+02	3.40200E-03	2.76530E-01	9.40760E-04	5.97250E-03
6.70050E+02	3.40700E-03	2.76680E-01	9.42630E-04	5.98450E-03
6.70100E+02	3.50200E-03	2.76820E-01	9.69430E-04	6.15460E-03
6.70150E+02	3.50700E-03	2.76970E-01	9.71320E-04	6.16660E-03
6.70200E+02	3.60200E-03	2.77110E-01	9.98160E-04	6.33700E-03
6.70250E+02	3.60700E-03	2.77260E-01	1.00010E-03	6.34910E-03
6.70300E+02	3.70200E-03	2.77400E-01	1.02690E-03	6.51970E-03
6.70350E+02	3.70700E-03	2.77550E-01	1.02890E-03	6.53200E-03
6.70400E+02	3.80200E-03	2.77700E-01	1.05580E-03	6.70290E-03
6.70450E+02	3.80700E-03	2.77840E-01	1.05770E-03	6.71520E-03
6.70500E+02	3.90200E-03	2.77990E-01	1.08470E-03	6.88640E-03
6.70550E+02	3.90700E-03	2.78130E-01	1.08670E-03	6.89880E-03
6.70600E+02	4.10210E-03	2.78280E-01	1.14150E-03	7.24720E-03
6.70650E+02	4.11080E-03	2.78420E-01	1.14450E-03	7.26630E-03
6.70700E+02	4.19640E-03	2.78570E-01	1.16900E-03	7.42140E-03
6.70750E+02	4.35960E-03	2.78710E-01	1.21510E-03	7.71420E-03
6.70800E+02	4.59540E-03	2.78860E-01	1.28150E-03	8.13570E-03
6.70850E+02	4.87410E-03	2.79000E-01	1.35990E-03	8.63340E-03
6.70900E+02	5.11010E-03	2.79150E-01	1.42650E-03	9.05620E-03
6.70950E+02	5.31550E-03	2.79290E-01	1.48460E-03	9.42510E-03
6.71000E+02	5.50920E-03	2.79440E-01	1.53950E-03	9.77360E-03
6.71050E+02	5.71480E-03	2.79580E-01	1.59770E-03	1.01440E-02
6.71100E+02	5.95740E-03	2.79720E-01	1.66640E-03	1.05790E-02
6.71150E+02	6.26050E-03	2.79870E-01	1.75210E-03	1.11240E-02
6.71200E+02	6.59480E-03	2.80010E-01	1.84660E-03	1.17230E-02
6.71250E+02	6.90130E-03	2.80150E-01	1.93340E-03	1.22750E-02
6.71300E+02	7.18240E-03	2.80300E-01	2.01320E-03	1.27810E-02
6.71350E+02	7.44380E-03	2.80460E-01	2.08760E-03	1.32540E-02
6.71400E+02	7.69280E-03	2.80610E-01	2.15870E-03	1.37050E-02
6.71450E+02	7.93820E-03	2.80770E-01	2.22880E-03	1.41500E-02
6.71500E+02	8.18870E-03	2.80920E-01	2.30040E-03	1.46040E-02
6.71550E+02	8.45270E-03	2.81070E-01	2.37580E-03	1.50830E-02
6.71600E+02	8.73710E-03	2.81230E-01	2.45710E-03	1.55990E-02
6.71650E+02	9.04760E-03	2.81380E-01	2.54590E-03	1.61630E-02

6.71700E+02	9.38820E-03	2.81540E-01	2.64310E-03	1.67800E-02
6.71750E+02	9.76140E-03	2.81690E-01	2.74970E-03	1.74570E-02
6.71800E+02	1.01690E-02	2.81850E-01	2.86610E-03	1.81960E-02
6.71850E+02	1.06130E-02	2.82000E-01	2.99290E-03	1.90010E-02
6.71900E+02	1.10940E-02	2.82160E-01	3.13040E-03	1.98740E-02
6.71950E+02	1.16150E-02	2.82310E-01	3.27890E-03	2.08170E-02
6.72000E+02	1.21750E-02	2.82470E-01	3.43890E-03	2.18320E-02
6.72050E+02	1.27760E-02	2.82620E-01	3.61080E-03	2.29240E-02
6.72100E+02	1.34230E-02	2.82770E-01	3.79570E-03	2.40980E-02
6.72150E+02	1.41200E-02	2.82930E-01	3.99480E-03	2.53620E-02
6.72200E+02	1.48700E-02	2.83080E-01	4.20950E-03	2.67240E-02
6.72250E+02	1.56800E-02	2.83230E-01	4.44120E-03	2.81960E-02
6.72300E+02	1.65550E-02	2.83390E-01	4.69160E-03	2.97850E-02
6.72350E+02	1.75010E-02	2.83540E-01	4.96210E-03	3.15030E-02
6.72400E+02	1.85200E-02	2.83690E-01	5.25410E-03	3.33560E-02
6.72450E+02	1.96190E-02	2.83840E-01	5.56870E-03	3.53540E-02
6.72500E+02	2.08000E-02	2.84000E-01	5.90700E-03	3.75010E-02
6.72550E+02	2.20650E-02	2.84150E-01	6.26970E-03	3.98040E-02
6.72600E+02	2.34160E-02	2.84300E-01	6.65710E-03	4.22640E-02
6.72650E+02	2.48530E-02	2.84450E-01	7.06950E-03	4.48820E-02
6.72700E+02	2.63750E-02	2.84600E-01	7.50640E-03	4.76550E-02
6.72750E+02	2.79790E-02	2.84760E-01	7.96730E-03	5.05820E-02
6.72800E+02	2.96630E-02	2.84910E-01	8.45130E-03	5.36540E-02
6.72850E+02	3.14230E-02	2.85060E-01	8.95740E-03	5.68670E-02
6.72900E+02	3.32550E-02	2.85210E-01	9.48460E-03	6.02140E-02
6.72950E+02	3.51560E-02	2.85360E-01	1.00320E-02	6.36900E-02
6.73000E+02	3.71240E-02	2.85510E-01	1.05990E-02	6.72900E-02
6.73050E+02	3.91570E-02	2.85660E-01	1.11860E-02	7.10130E-02
6.73100E+02	4.12580E-02	2.85810E-01	1.17920E-02	7.48630E-02
6.73150E+02	4.34310E-02	2.85960E-01	1.24190E-02	7.88460E-02
6.73200E+02	4.56820E-02	2.86110E-01	1.30700E-02	8.29760E-02
6.73250E+02	4.80220E-02	2.86240E-01	1.37460E-02	8.72690E-02
6.73300E+02	5.04640E-02	2.86380E-01	1.44520E-02	9.17510E-02
6.73350E+02	5.30240E-02	2.86520E-01	1.51920E-02	9.64520E-02
6.73400E+02	5.57200E-02	2.86660E-01	1.59730E-02	1.01400E-01
6.73450E+02	5.85700E-02	2.86800E-01	1.67980E-02	1.06640E-01
6.73500E+02	6.15910E-02	2.86930E-01	1.76720E-02	1.12200E-01
6.73550E+02	6.48000E-02	2.87070E-01	1.86020E-02	1.18100E-01
6.73600E+02	6.82080E-02	2.87210E-01	1.95900E-02	1.24370E-01
6.73650E+02	7.09750E-02	2.87340E-01	2.03940E-02	1.29480E-01
6.73700E+02	7.40140E-02	2.87480E-01	2.12780E-02	1.35080E-01
6.73750E+02	7.67740E-02	2.87620E-01	2.20820E-02	1.40190E-01
6.73800E+02	7.92550E-02	2.87760E-01	2.28060E-02	1.44790E-01

6.73850E+02	8.15190E-02	2.87890E-01	2.34690E-02	1.48990E-01
6.73900E+02	8.36870E-02	2.88030E-01	2.41040E-02	1.53030E-01
6.73950E+02	8.59320E-02	2.88170E-01	2.47630E-02	1.57210E-01
6.74000E+02	8.84640E-02	2.88300E-01	2.55040E-02	1.61920E-01
6.74050E+02	9.15050E-02	2.88460E-01	2.63960E-02	1.67580E-01
6.74100E+02	9.52610E-02	2.88620E-01	2.74940E-02	1.74550E-01
6.74150E+02	9.98970E-02	2.88780E-01	2.88480E-02	1.83150E-01
6.74200E+02	1.05510E-01	2.88940E-01	3.04870E-02	1.93550E-01
6.74250E+02	1.12130E-01	2.89100E-01	3.24150E-02	2.05790E-01
6.74300E+02	1.19660E-01	2.89250E-01	3.46140E-02	2.19750E-01
6.74350E+02	1.27980E-01	2.89410E-01	3.70390E-02	2.35150E-01
6.74400E+02	1.36850E-01	2.89570E-01	3.96280E-02	2.51580E-01
6.74450E+02	1.46010E-01	2.89730E-01	4.23040E-02	2.68570E-01
6.74500E+02	1.55190E-01	2.89890E-01	4.49880E-02	2.85610E-01
6.74550E+02	1.64120E-01	2.90040E-01	4.76040E-02	3.02220E-01
6.74600E+02	1.72600E-01	2.90200E-01	5.00900E-02	3.18010E-01
6.74650E+02	1.80480E-01	2.90360E-01	5.24050E-02	3.32700E-01
6.74700E+02	1.87690E-01	2.90520E-01	5.45280E-02	3.46180E-01
6.74750E+02	1.94260E-01	2.90680E-01	5.64660E-02	3.58480E-01
6.74800E+02	2.00270E-01	2.90840E-01	5.82450E-02	3.69780E-01
6.74850E+02	2.05880E-01	2.90990E-01	5.99100E-02	3.80350E-01
6.74900E+02	2.11280E-01	2.91150E-01	6.15150E-02	3.90540E-01
6.74950E+02	2.16660E-01	2.91310E-01	6.31160E-02	4.00700E-01
6.75000E+02	2.22200E-01	2.91470E-01	6.47630E-02	4.11160E-01
6.75050E+02	2.28020E-01	2.91620E-01	6.64960E-02	4.22160E-01
6.75100E+02	2.34210E-01	2.91780E-01	6.83380E-02	4.33850E-01
6.75150E+02	2.40780E-01	2.91920E-01	7.02890E-02	4.46240E-01
6.75200E+02	2.47690E-01	2.92030E-01	7.23350E-02	4.59230E-01
6.75250E+02	2.54860E-01	2.92150E-01	7.44570E-02	4.72700E-01
6.75300E+02	2.62150E-01	2.92270E-01	7.66190E-02	4.86430E-01
6.75350E+02	2.69450E-01	2.92380E-01	7.87840E-02	5.00170E-01
6.75400E+02	2.76650E-01	2.92500E-01	8.09200E-02	5.13730E-01
6.75450E+02	2.83640E-01	2.92620E-01	8.29980E-02	5.26930E-01
6.75500E+02	2.90380E-01	2.92730E-01	8.50050E-02	5.39670E-01
6.75550E+02	2.96860E-01	2.92850E-01	8.69350E-02	5.51920E-01
6.75600E+02	3.03090E-01	2.92970E-01	8.87960E-02	5.63730E-01
6.75650E+02	3.09120E-01	2.93080E-01	9.05990E-02	5.75180E-01
6.75700E+02	3.15010E-01	2.93200E-01	9.23620E-02	5.86370E-01
6.75750E+02	3.20800E-01	2.93320E-01	9.40970E-02	5.97390E-01
6.75800E+02	3.26520E-01	2.93430E-01	9.58120E-02	6.08280E-01
6.75850E+02	3.32160E-01	2.93550E-01	9.75060E-02	6.19030E-01
6.75900E+02	3.37680E-01	2.93660E-01	9.91650E-02	6.29560E-01
6.75950E+02	3.42990E-01	2.93780E-01	1.00760E-01	6.39720E-01

6.76000E+02	3.47990E-01	2.93900E-01	1.02270E-01	6.49300E-01
6.76050E+02	3.52560E-01	2.93990E-01	1.03650E-01	6.58040E-01
6.76100E+02	3.56580E-01	2.94080E-01	1.04870E-01	6.65750E-01
6.76150E+02	3.59960E-01	2.94180E-01	1.05890E-01	6.72270E-01
6.76200E+02	3.62620E-01	2.94270E-01	1.06710E-01	6.77460E-01
6.76250E+02	3.64550E-01	2.94370E-01	1.07310E-01	6.81300E-01
6.76300E+02	3.65790E-01	2.94460E-01	1.07710E-01	6.83820E-01
6.76350E+02	3.66390E-01	2.94560E-01	1.07920E-01	6.85170E-01
6.76400E+02	3.66480E-01	2.94650E-01	1.07980E-01	6.85550E-01
6.76450E+02	3.66160E-01	2.94750E-01	1.07930E-01	6.85180E-01
6.76500E+02	3.65590E-01	2.94840E-01	1.07790E-01	6.84330E-01
6.76550E+02	3.64880E-01	2.94930E-01	1.07610E-01	6.83210E-01
6.76600E+02	3.64120E-01	2.95030E-01	1.07430E-01	6.82010E-01
6.76650E+02	3.63380E-01	2.95120E-01	1.07240E-01	6.80840E-01
6.76700E+02	3.62700E-01	2.95220E-01	1.07070E-01	6.79770E-01
6.76750E+02	3.62060E-01	2.95310E-01	1.06920E-01	6.78790E-01
6.76800E+02	3.61440E-01	2.95400E-01	1.06770E-01	6.77850E-01
6.76850E+02	3.60810E-01	2.95490E-01	1.06620E-01	6.76880E-01
6.76900E+02	3.60130E-01	2.95590E-01	1.06450E-01	6.75810E-01
6.76950E+02	3.59380E-01	2.95680E-01	1.06260E-01	6.74610E-01
6.77000E+02	3.58550E-01	2.95770E-01	1.06050E-01	6.73260E-01
6.77050E+02	3.57660E-01	2.95860E-01	1.05820E-01	6.71810E-01
6.77100E+02	3.56770E-01	2.95940E-01	1.05580E-01	6.70290E-01
6.77150E+02	3.55920E-01	2.96000E-01	1.05350E-01	6.68850E-01
6.77200E+02	3.55180E-01	2.96070E-01	1.05160E-01	6.67610E-01
6.77250E+02	3.54600E-01	2.96140E-01	1.05010E-01	6.66660E-01
6.77300E+02	3.54190E-01	2.96200E-01	1.04910E-01	6.66040E-01
6.77350E+02	3.53950E-01	2.96270E-01	1.04860E-01	6.65740E-01
6.77400E+02	3.53830E-01	2.96330E-01	1.04850E-01	6.65670E-01
6.77450E+02	3.53760E-01	2.96400E-01	1.04850E-01	6.65690E-01
6.77500E+02	3.53630E-01	2.96470E-01	1.04840E-01	6.65590E-01
6.77550E+02	3.53320E-01	2.96530E-01	1.04770E-01	6.65140E-01
6.77600E+02	3.52710E-01	2.96590E-01	1.04610E-01	6.64140E-01
6.77650E+02	3.51720E-01	2.96660E-01	1.04340E-01	6.62430E-01
6.77700E+02	3.50300E-01	2.96720E-01	1.03940E-01	6.59890E-01
6.77750E+02	3.48440E-01	2.96790E-01	1.03410E-01	6.56540E-01
6.77800E+02	3.46210E-01	2.96850E-01	1.02770E-01	6.52470E-01
6.77850E+02	3.43710E-01	2.96910E-01	1.02050E-01	6.47890E-01
6.77900E+02	3.41080E-01	2.96980E-01	1.01290E-01	6.43060E-01
6.77950E+02	3.38490E-01	2.97040E-01	1.00540E-01	6.38320E-01
6.78000E+02	3.36110E-01	2.97100E-01	9.98580E-02	6.33970E-01
6.78050E+02	3.34090E-01	2.97180E-01	9.92860E-02	6.30330E-01
6.78100E+02	3.32540E-01	2.97260E-01	9.88510E-02	6.27570E-01

6.78150E+02	3.31510E-01	2.97340E-01	9.85710E-02	6.25790E-01
6.78200E+02	3.30980E-01	2.97430E-01	9.84420E-02	6.24980E-01
6.78250E+02	3.30900E-01	2.97510E-01	9.84440E-02	6.24980E-01
6.78300E+02	3.31130E-01	2.97590E-01	9.85410E-02	6.25600E-01
6.78350E+02	3.31540E-01	2.97670E-01	9.86890E-02	6.26540E-01
6.78400E+02	3.31960E-01	2.97750E-01	9.88410E-02	6.27510E-01
6.78450E+02	3.32250E-01	2.97830E-01	9.89530E-02	6.28220E-01
6.78500E+02	3.32300E-01	2.97910E-01	9.89940E-02	6.28480E-01
6.78550E+02	3.32040E-01	2.97990E-01	9.89440E-02	6.28160E-01
6.78600E+02	3.31480E-01	2.98070E-01	9.88030E-02	6.27270E-01
6.78650E+02	3.30670E-01	2.98150E-01	9.85890E-02	6.25910E-01
6.78700E+02	3.29720E-01	2.98230E-01	9.83320E-02	6.24280E-01
6.78750E+02	3.28770E-01	2.98310E-01	9.80740E-02	6.22640E-01
6.78800E+02	3.27960E-01	2.98380E-01	9.78580E-02	6.21260E-01
6.78850E+02	3.27430E-01	2.98460E-01	9.77250E-02	6.20420E-01
6.78900E+02	3.27280E-01	2.98540E-01	9.77060E-02	6.20300E-01
6.78950E+02	3.27570E-01	2.98620E-01	9.78210E-02	6.21030E-01
6.79000E+02	3.28330E-01	2.98700E-01	9.80740E-02	6.22640E-01
6.79050E+02	3.29510E-01	2.98790E-01	9.84530E-02	6.25040E-01
6.79100E+02	3.31030E-01	2.98870E-01	9.89350E-02	6.28100E-01
6.79150E+02	3.32790E-01	2.98950E-01	9.94880E-02	6.31620E-01
6.79200E+02	3.34680E-01	2.99040E-01	1.00080E-01	6.35390E-01
6.79250E+02	3.36620E-01	2.99120E-01	1.00690E-01	6.39250E-01
6.79300E+02	3.38550E-01	2.99210E-01	1.01300E-01	6.43090E-01
6.79350E+02	3.40440E-01	2.99290E-01	1.01890E-01	6.46870E-01
6.79400E+02	3.42330E-01	2.99380E-01	1.02490E-01	6.50650E-01
6.79450E+02	3.44280E-01	2.99460E-01	1.03100E-01	6.54540E-01
6.79500E+02	3.46380E-01	2.99540E-01	1.03760E-01	6.58710E-01
6.79550E+02	3.48710E-01	2.99630E-01	1.04480E-01	6.63330E-01
6.79600E+02	3.51350E-01	2.99710E-01	1.05300E-01	6.68530E-01
6.79650E+02	3.54330E-01	2.99800E-01	1.06230E-01	6.74390E-01
6.79700E+02	3.57640E-01	2.99880E-01	1.07250E-01	6.80890E-01
6.79750E+02	3.61210E-01	2.99960E-01	1.08350E-01	6.87880E-01
6.79800E+02	3.64920E-01	3.00050E-01	1.09490E-01	6.95140E-01
6.79850E+02	3.68600E-01	3.00130E-01	1.10630E-01	7.02340E-01
6.79900E+02	3.72070E-01	3.00210E-01	1.11700E-01	7.09160E-01
6.79950E+02	3.75160E-01	3.00300E-01	1.12660E-01	7.15250E-01
6.80000E+02	3.77750E-01	3.00380E-01	1.13470E-01	7.20370E-01
6.80050E+02	3.79740E-01	3.00470E-01	1.14100E-01	7.24390E-01
6.80100E+02	3.81170E-01	3.00560E-01	1.14560E-01	7.27330E-01
6.80150E+02	3.82130E-01	3.00640E-01	1.14890E-01	7.29370E-01
6.80200E+02	3.82810E-01	3.00730E-01	1.15120E-01	7.30860E-01
6.80250E+02	3.83440E-01	3.00820E-01	1.15350E-01	7.32290E-01

6.80300E+02	3.84320E-01	3.00900E-01	1.15640E-01	7.34180E-01
6.80350E+02	3.85740E-01	3.00990E-01	1.16100E-01	7.37100E-01
6.80400E+02	3.87930E-01	3.01080E-01	1.16800E-01	7.41500E-01
6.80450E+02	3.91080E-01	3.01160E-01	1.17780E-01	7.47730E-01
6.80500E+02	3.95240E-01	3.01250E-01	1.19070E-01	7.55920E-01
6.80550E+02	4.00390E-01	3.01340E-01	1.20650E-01	7.65970E-01
6.80600E+02	4.06340E-01	3.01420E-01	1.22480E-01	7.77590E-01
6.80650E+02	4.12840E-01	3.01510E-01	1.24470E-01	7.90250E-01
6.80700E+02	4.19540E-01	3.01600E-01	1.26530E-01	8.03310E-01
6.80750E+02	4.26070E-01	3.01680E-01	1.28540E-01	8.16040E-01
6.80800E+02	4.32060E-01	3.01770E-01	1.30380E-01	8.27760E-01
6.80850E+02	4.37220E-01	3.01860E-01	1.31980E-01	8.37880E-01
6.80900E+02	4.41330E-01	3.01940E-01	1.33250E-01	8.45990E-01
6.80950E+02	4.44290E-01	3.02030E-01	1.34190E-01	8.51920E-01
6.81000E+02	4.46170E-01	3.02120E-01	1.34800E-01	8.55770E-01
6.81050E+02	4.47140E-01	3.02210E-01	1.35130E-01	8.57880E-01
6.81100E+02	4.47470E-01	3.02300E-01	1.35270E-01	8.58760E-01
6.81150E+02	4.47510E-01	3.02390E-01	1.35320E-01	8.59100E-01
6.81200E+02	4.47640E-01	3.02470E-01	1.35400E-01	8.59610E-01
6.81250E+02	4.48210E-01	3.02560E-01	1.35610E-01	8.60950E-01
6.81300E+02	4.49490E-01	3.02650E-01	1.36040E-01	8.63670E-01
6.81350E+02	4.51660E-01	3.02740E-01	1.36740E-01	8.68090E-01
6.81400E+02	4.54760E-01	3.02830E-01	1.37720E-01	8.74320E-01
6.81450E+02	4.58710E-01	3.02920E-01	1.38950E-01	8.82170E-01
6.81500E+02	4.63310E-01	3.03010E-01	1.40390E-01	8.91270E-01
6.81550E+02	4.68250E-01	3.03100E-01	1.41930E-01	9.01040E-01
6.81600E+02	4.73190E-01	3.03190E-01	1.43470E-01	9.10830E-01
6.81650E+02	4.77790E-01	3.03280E-01	1.44900E-01	9.19940E-01
6.81700E+02	4.81730E-01	3.03370E-01	1.46140E-01	9.27800E-01
6.81750E+02	4.84790E-01	3.03460E-01	1.47110E-01	9.33960E-01
6.81800E+02	4.86850E-01	3.03550E-01	1.47780E-01	9.38210E-01
6.81850E+02	4.87930E-01	3.03640E-01	1.48150E-01	9.40560E-01
6.81900E+02	4.88150E-01	3.03720E-01	1.48260E-01	9.41280E-01
6.81950E+02	4.87770E-01	3.03810E-01	1.48190E-01	9.40810E-01
6.82000E+02	4.87080E-01	3.03900E-01	1.48030E-01	9.39760E-01
6.82050E+02	4.86420E-01	3.04030E-01	1.47890E-01	9.38890E-01
6.82100E+02	4.86120E-01	3.04160E-01	1.47860E-01	9.38690E-01
6.82150E+02	4.86430E-01	3.04290E-01	1.48010E-01	9.39690E-01
6.82200E+02	4.87530E-01	3.04410E-01	1.48410E-01	9.42220E-01
6.82250E+02	4.89500E-01	3.04540E-01	1.49070E-01	9.46410E-01
6.82300E+02	4.92260E-01	3.04670E-01	1.49980E-01	9.52140E-01
6.82350E+02	4.95660E-01	3.04800E-01	1.51080E-01	9.59130E-01
6.82400E+02	4.99460E-01	3.04920E-01	1.52300E-01	9.66880E-01

6.82450E+02	5.03350E-01	3.05050E-01	1.53550E-01	9.74830E-01
6.82500E+02	5.07040E-01	3.05180E-01	1.54740E-01	9.82380E-01
6.82550E+02	5.10240E-01	3.05310E-01	1.55780E-01	9.88980E-01
6.82600E+02	5.12720E-01	3.05430E-01	1.56600E-01	9.94210E-01
6.82650E+02	5.14360E-01	3.05560E-01	1.57170E-01	9.97800E-01
6.82700E+02	5.15120E-01	3.05690E-01	1.57470E-01	9.99690E-01
6.82750E+02	5.15060E-01	3.05820E-01	1.57510E-01	1.00000E+00
6.82800E+02	5.14340E-01	3.05940E-01	1.57360E-01	9.99010E-01
6.82850E+02	5.13150E-01	3.06070E-01	1.57060E-01	9.97130E-01
6.82900E+02	5.11750E-01	3.06190E-01	1.56690E-01	9.94800E-01
6.82950E+02	5.10360E-01	3.06320E-01	1.56330E-01	9.92500E-01
6.83000E+02	5.09170E-01	3.06440E-01	1.56030E-01	9.90590E-01
6.83050E+02	5.08320E-01	3.06570E-01	1.55840E-01	9.89340E-01
6.83100E+02	5.07880E-01	3.06690E-01	1.55760E-01	9.88880E-01
6.83150E+02	5.07800E-01	3.06820E-01	1.55800E-01	9.89140E-01
6.83200E+02	5.08010E-01	3.06940E-01	1.55930E-01	9.89950E-01
6.83250E+02	5.08340E-01	3.07070E-01	1.56090E-01	9.90980E-01
6.83300E+02	5.08590E-01	3.07190E-01	1.56230E-01	9.91880E-01
6.83350E+02	5.08570E-01	3.07320E-01	1.56290E-01	9.92250E-01
6.83400E+02	5.08100E-01	3.07440E-01	1.56210E-01	9.91730E-01
6.83450E+02	5.07040E-01	3.07570E-01	1.55950E-01	9.90070E-01
6.83500E+02	5.05320E-01	3.07690E-01	1.55480E-01	9.87100E-01
6.83550E+02	5.02920E-01	3.07820E-01	1.54810E-01	9.82810E-01
6.83600E+02	4.99900E-01	3.07940E-01	1.53940E-01	9.77310E-01
6.83650E+02	4.96380E-01	3.08060E-01	1.52920E-01	9.70820E-01
6.83700E+02	4.92500E-01	3.08190E-01	1.51780E-01	9.63620E-01
6.83750E+02	4.88440E-01	3.08310E-01	1.50590E-01	9.56050E-01
6.83800E+02	4.84340E-01	3.08440E-01	1.49390E-01	9.48430E-01
6.83850E+02	4.80370E-01	3.08560E-01	1.48220E-01	9.41010E-01
6.83900E+02	4.76590E-01	3.08690E-01	1.47120E-01	9.34000E-01
6.83950E+02	4.73070E-01	3.08810E-01	1.46090E-01	9.27480E-01
6.84000E+02	4.69800E-01	3.08930E-01	1.45140E-01	9.21420E-01
6.84050E+02	4.66710E-01	3.09010E-01	1.44220E-01	9.15590E-01
6.84100E+02	4.63720E-01	3.09090E-01	1.43330E-01	9.09950E-01
6.84150E+02	4.60720E-01	3.09160E-01	1.42440E-01	9.04280E-01
6.84200E+02	4.57590E-01	3.09240E-01	1.41500E-01	8.98360E-01
6.84250E+02	4.54240E-01	3.09310E-01	1.40500E-01	8.91990E-01
6.84300E+02	4.50580E-01	3.09390E-01	1.39400E-01	8.85020E-01
6.84350E+02	4.46580E-01	3.09460E-01	1.38200E-01	8.77380E-01
6.84400E+02	4.42230E-01	3.09540E-01	1.36890E-01	8.69050E-01
6.84450E+02	4.37570E-01	3.09610E-01	1.35480E-01	8.60110E-01
6.84500E+02	4.32660E-01	3.09690E-01	1.33990E-01	8.50660E-01
6.84550E+02	4.27570E-01	3.09760E-01	1.32450E-01	8.40850E-01

6.84600E+02	4.22370E-01	3.09840E-01	1.30870E-01	8.30830E-01
6.84650E+02	4.17130E-01	3.09920E-01	1.29280E-01	8.20720E-01
6.84700E+02	4.11890E-01	3.09990E-01	1.27680E-01	8.10610E-01
6.84750E+02	4.06660E-01	3.10070E-01	1.26090E-01	8.00510E-01
6.84800E+02	4.01420E-01	3.10140E-01	1.24500E-01	7.90390E-01
6.84850E+02	3.96130E-01	3.10210E-01	1.22880E-01	7.80150E-01
6.84900E+02	3.90700E-01	3.10290E-01	1.21230E-01	7.69640E-01
6.84950E+02	3.85070E-01	3.10360E-01	1.19510E-01	7.58720E-01
6.85000E+02	3.79140E-01	3.10430E-01	1.17700E-01	7.47210E-01
6.85050E+02	3.72840E-01	3.10500E-01	1.15770E-01	7.34970E-01
6.85100E+02	3.66120E-01	3.10570E-01	1.13710E-01	7.21890E-01
6.85150E+02	3.58970E-01	3.10650E-01	1.11510E-01	7.07950E-01
6.85200E+02	3.51380E-01	3.10720E-01	1.09180E-01	6.93150E-01
6.85250E+02	3.43410E-01	3.10790E-01	1.06730E-01	6.77580E-01
6.85300E+02	3.35110E-01	3.10860E-01	1.04170E-01	6.61370E-01
6.85350E+02	3.26590E-01	3.10930E-01	1.01550E-01	6.44690E-01
6.85400E+02	3.17930E-01	3.11000E-01	9.88780E-02	6.27740E-01
6.85450E+02	3.09240E-01	3.11080E-01	9.61960E-02	6.10720E-01
6.85500E+02	3.00590E-01	3.11150E-01	9.35280E-02	5.93780E-01
6.85550E+02	2.92070E-01	3.11220E-01	9.08970E-02	5.77070E-01
6.85600E+02	2.83720E-01	3.11290E-01	8.83180E-02	5.60700E-01
6.85650E+02	2.75560E-01	3.11360E-01	8.57980E-02	5.44700E-01
6.85700E+02	2.67610E-01	3.11430E-01	8.33410E-02	5.29100E-01
6.85750E+02	2.59850E-01	3.11500E-01	8.09430E-02	5.13880E-01
6.85800E+02	2.52260E-01	3.11580E-01	7.85970E-02	4.98990E-01
6.85850E+02	2.44820E-01	3.11650E-01	7.62970E-02	4.84390E-01
6.85900E+02	2.37510E-01	3.11720E-01	7.40360E-02	4.70030E-01
6.85950E+02	2.30310E-01	3.11790E-01	7.18090E-02	4.55890E-01
6.86000E+02	2.23230E-01	3.11860E-01	6.96160E-02	4.41970E-01
6.86050E+02	2.16260E-01	3.12030E-01	6.74790E-02	4.28400E-01
6.86100E+02	2.09430E-01	3.12200E-01	6.53820E-02	4.15090E-01
6.86150E+02	2.02760E-01	3.12360E-01	6.33340E-02	4.02090E-01
6.86200E+02	1.96280E-01	3.12530E-01	6.13430E-02	3.89450E-01
6.86250E+02	1.90020E-01	3.12690E-01	5.94180E-02	3.77220E-01
6.86300E+02	1.83990E-01	3.12860E-01	5.75640E-02	3.65450E-01
6.86350E+02	1.78210E-01	3.13030E-01	5.57850E-02	3.54160E-01
6.86400E+02	1.72680E-01	3.13190E-01	5.40820E-02	3.43350E-01
6.86450E+02	1.67390E-01	3.13360E-01	5.24530E-02	3.33010E-01
6.86500E+02	1.62330E-01	3.13530E-01	5.08960E-02	3.23120E-01
6.86550E+02	1.57490E-01	3.13690E-01	4.94050E-02	3.13650E-01
6.86600E+02	1.52860E-01	3.13860E-01	4.79770E-02	3.04590E-01
6.86650E+02	1.48420E-01	3.14030E-01	4.66080E-02	2.95900E-01
6.86700E+02	1.44180E-01	3.14190E-01	4.52990E-02	2.87590E-01

6.86750E+02	1.40130E-01	3.14360E-01	4.40500E-02	2.79660E-01
6.86800E+02	1.36280E-01	3.14530E-01	4.28630E-02	2.72120E-01
6.86850E+02	1.32640E-01	3.14700E-01	4.17420E-02	2.65000E-01
6.86900E+02	1.29220E-01	3.14870E-01	4.06870E-02	2.58310E-01
6.86950E+02	1.26010E-01	3.15030E-01	3.96980E-02	2.52030E-01
6.87000E+02	1.22990E-01	3.15200E-01	3.87680E-02	2.46130E-01
6.87050E+02	1.20130E-01	3.15370E-01	3.78870E-02	2.40530E-01
6.87100E+02	1.17380E-01	3.15540E-01	3.70360E-02	2.35130E-01
6.87150E+02	1.14640E-01	3.15710E-01	3.61940E-02	2.29780E-01
6.87200E+02	1.11860E-01	3.15870E-01	3.53330E-02	2.24320E-01
6.87250E+02	1.08930E-01	3.16040E-01	3.44250E-02	2.18550E-01
6.87300E+02	1.05760E-01	3.16210E-01	3.34430E-02	2.12320E-01
6.87350E+02	1.02300E-01	3.16380E-01	3.23640E-02	2.05470E-01
6.87400E+02	9.84770E-02	3.16540E-01	3.11720E-02	1.97900E-01
6.87450E+02	9.52870E-02	3.16710E-01	3.01780E-02	1.91590E-01
6.87500E+02	8.97450E-02	3.16880E-01	2.84380E-02	1.80540E-01
6.87550E+02	8.49060E-02	3.17040E-01	2.69190E-02	1.70900E-01
6.87600E+02	7.98600E-02	3.17210E-01	2.53330E-02	1.60830E-01
6.87650E+02	7.67260E-02	3.17380E-01	2.43510E-02	1.54600E-01
6.87700E+02	7.34880E-02	3.17550E-01	2.33360E-02	1.48150E-01
6.87750E+02	7.04300E-02	3.17710E-01	2.23770E-02	1.42060E-01
6.87800E+02	6.86280E-02	3.17880E-01	2.18160E-02	1.38500E-01
6.87850E+02	6.57770E-02	3.18050E-01	2.09200E-02	1.32820E-01
6.87900E+02	6.29740E-02	3.18220E-01	2.00390E-02	1.27220E-01
6.87950E+02	6.02200E-02	3.18380E-01	1.91730E-02	1.21720E-01
6.88000E+02	5.75200E-02	3.18550E-01	1.83230E-02	1.16330E-01
6.88050E+02	5.48820E-02	3.18760E-01	1.74940E-02	1.11060E-01
6.88100E+02	5.23160E-02	3.18970E-01	1.66870E-02	1.05940E-01
6.88150E+02	4.98320E-02	3.19170E-01	1.59050E-02	1.00980E-01
6.88200E+02	4.74440E-02	3.19380E-01	1.51530E-02	9.61990E-02
6.88250E+02	4.51610E-02	3.19590E-01	1.44330E-02	9.16290E-02
6.88300E+02	4.29920E-02	3.19790E-01	1.37480E-02	8.72840E-02
6.88350E+02	4.09430E-02	3.20000E-01	1.31020E-02	8.31780E-02
6.88400E+02	3.90150E-02	3.20210E-01	1.24930E-02	7.93140E-02
6.88450E+02	3.72090E-02	3.20420E-01	1.19220E-02	7.56910E-02
6.88500E+02	3.55180E-02	3.20620E-01	1.13880E-02	7.22980E-02
6.88550E+02	3.39350E-02	3.20830E-01	1.08870E-02	6.91210E-02
6.88600E+02	3.24490E-02	3.21040E-01	1.04170E-02	6.61370E-02
6.88650E+02	3.10480E-02	3.21240E-01	9.97380E-03	6.33200E-02
6.88700E+02	2.97170E-02	3.21440E-01	9.55230E-03	6.06440E-02
6.88750E+02	2.84440E-02	3.21640E-01	9.14880E-03	5.80830E-02
6.88800E+02	2.72170E-02	3.21840E-01	8.75950E-03	5.56110E-02
6.88850E+02	2.60240E-02	3.22040E-01	8.38090E-03	5.32080E-02

6.88900E+02	2.48590E-02	3.22240E-01	8.01050E-03	5.08560E-02
6.88950E+02	2.37140E-02	3.22440E-01	7.64660E-03	4.85450E-02
6.89000E+02	2.25890E-02	3.22650E-01	7.28820E-03	4.62700E-02
6.89050E+02	2.14820E-02	3.22840E-01	6.93530E-03	4.40290E-02
6.89100E+02	2.03940E-02	3.23040E-01	6.58830E-03	4.18270E-02
6.89150E+02	1.93300E-02	3.23240E-01	6.24830E-03	3.96680E-02
6.89200E+02	1.82930E-02	3.23440E-01	5.91690E-03	3.75640E-02
6.89250E+02	1.72900E-02	3.23640E-01	5.59570E-03	3.55250E-02
6.89300E+02	1.63250E-02	3.23840E-01	5.28670E-03	3.35640E-02
6.89350E+02	1.54050E-02	3.24040E-01	4.99190E-03	3.16920E-02
6.89400E+02	1.45350E-02	3.24240E-01	4.71280E-03	2.99200E-02
6.89450E+02	1.37170E-02	3.24440E-01	4.45040E-03	2.82540E-02
6.89500E+02	1.29550E-02	3.24640E-01	4.20560E-03	2.67000E-02
6.89550E+02	1.22480E-02	3.24840E-01	3.97870E-03	2.52600E-02
6.89600E+02	1.15980E-02	3.25040E-01	3.76970E-03	2.39320E-02
6.89650E+02	1.10020E-02	3.25240E-01	3.57810E-03	2.27160E-02
6.89700E+02	1.04570E-02	3.25430E-01	3.40320E-03	2.16060E-02
6.89750E+02	9.96230E-03	3.25630E-01	3.24410E-03	2.05950E-02
6.89800E+02	9.51200E-03	3.25830E-01	3.09930E-03	1.96760E-02
6.89850E+02	9.10210E-03	3.26030E-01	2.96750E-03	1.88400E-02
6.89900E+02	8.72800E-03	3.26230E-01	2.84730E-03	1.80770E-02
6.89950E+02	8.38570E-03	3.26430E-01	2.73730E-03	1.73780E-02
6.90000E+02	8.07130E-03	3.26620E-01	2.63630E-03	1.67370E-02
6.90050E+02	7.78200E-03	3.26670E-01	2.54210E-03	1.61390E-02
6.90100E+02	7.51560E-03	3.26720E-01	2.45550E-03	1.55890E-02
6.90150E+02	7.27100E-03	3.26770E-01	2.37600E-03	1.50840E-02
6.90200E+02	7.04790E-03	3.26820E-01	2.30340E-03	1.46230E-02
6.90250E+02	6.84660E-03	3.26870E-01	2.23790E-03	1.42080E-02
6.90300E+02	6.66780E-03	3.26920E-01	2.17980E-03	1.38390E-02
6.90350E+02	6.51260E-03	3.26970E-01	2.12940E-03	1.35190E-02
6.90400E+02	6.38240E-03	3.27020E-01	2.08720E-03	1.32510E-02
6.90450E+02	6.27850E-03	3.27070E-01	2.05350E-03	1.30370E-02
6.90500E+02	6.20130E-03	3.27120E-01	2.02850E-03	1.28780E-02
6.90550E+02	6.15010E-03	3.27160E-01	2.01210E-03	1.27740E-02
6.90600E+02	6.12300E-03	3.27210E-01	2.00350E-03	1.27200E-02
6.90650E+02	6.11640E-03	3.27260E-01	2.00170E-03	1.27080E-02
6.90700E+02	6.12560E-03	3.27310E-01	2.00500E-03	1.27290E-02
6.90750E+02	6.14440E-03	3.27360E-01	2.01140E-03	1.27700E-02
6.90800E+02	6.16550E-03	3.27400E-01	2.01860E-03	1.28150E-02
6.90850E+02	6.18030E-03	3.27450E-01	2.02370E-03	1.28480E-02
6.90900E+02	6.18000E-03	3.27500E-01	2.02390E-03	1.28490E-02
6.90950E+02	6.15570E-03	3.27550E-01	2.01630E-03	1.28010E-02
6.91000E+02	6.09930E-03	3.27590E-01	1.99810E-03	1.26850E-02

6.91050E+02	6.00400E-03	3.27640E-01	1.96710E-03	1.24890E-02
6.91100E+02	5.86430E-03	3.27680E-01	1.92160E-03	1.22000E-02
6.91150E+02	5.67710E-03	3.27730E-01	1.86050E-03	1.18120E-02
6.91200E+02	5.44200E-03	3.27780E-01	1.78380E-03	1.13240E-02
6.91250E+02	5.17830E-03	3.27820E-01	1.69760E-03	1.07770E-02
6.91300E+02	4.91200E-03	3.27870E-01	1.61050E-03	1.02240E-02
6.91350E+02	4.64410E-03	3.27910E-01	1.52280E-03	9.66800E-03
6.91400E+02	4.37580E-03	3.27960E-01	1.43510E-03	9.11080E-03
6.91450E+02	4.10910E-03	3.28000E-01	1.34780E-03	8.55660E-03
6.91500E+02	3.84520E-03	3.28050E-01	1.26140E-03	8.00820E-03
6.91550E+02	3.68460E-03	3.28090E-01	1.20890E-03	7.67470E-03
6.91600E+02	3.58590E-03	3.28140E-01	1.17670E-03	7.47020E-03
6.91650E+02	3.31590E-03	3.28180E-01	1.08820E-03	6.90860E-03
6.91700E+02	3.10850E-03	3.28230E-01	1.02030E-03	6.47750E-03
6.91750E+02	2.98860E-03	3.28270E-01	9.81050E-04	6.22840E-03
6.91800E+02	2.68540E-03	3.28320E-01	8.81660E-04	5.59730E-03
6.91850E+02	1.93240E-03	3.28360E-01	6.34520E-04	4.02840E-03
6.91900E+02	1.16670E-03	3.28410E-01	3.83160E-04	2.43260E-03
6.91950E+02	4.32830E-04	3.28450E-01	1.42160E-04	9.02550E-04
6.92000E+02	2.73520E-04	3.28500E-01	8.98500E-05	5.70420E-04
6.92050E+02	0.00000E+00	3.28560E-01	0.00000E+00	0.00000E+00
Channel 3				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.70000E+02	0	0.27653	0	0.00000E+00
6.70050E+02	6.49800E-04	2.76680E-01	1.79780E-04	6.85690E-04
6.70100E+02	7.63050E-04	2.76820E-01	2.11230E-04	8.05620E-04
6.70150E+02	9.08350E-04	2.76970E-01	2.51580E-04	9.59530E-04
6.70200E+02	9.38990E-04	2.77110E-01	2.60210E-04	9.92420E-04
6.70250E+02	8.17570E-04	2.77260E-01	2.26680E-04	8.64540E-04
6.70300E+02	7.12150E-04	2.77400E-01	1.97550E-04	7.53460E-04
6.70350E+02	6.24200E-04	2.77550E-01	1.73250E-04	6.60760E-04
6.70400E+02	5.54750E-04	2.77700E-01	1.54050E-04	5.87550E-04
6.70450E+02	5.04380E-04	2.77840E-01	1.40140E-04	5.34480E-04
6.70500E+02	4.73260E-04	2.77990E-01	1.31560E-04	5.01770E-04
6.70550E+02	4.61150E-04	2.78130E-01	1.28260E-04	4.89180E-04
6.70600E+02	4.67460E-04	2.78280E-01	1.30080E-04	4.96130E-04
6.70650E+02	4.91250E-04	2.78420E-01	1.36780E-04	5.21660E-04
6.70700E+02	5.31330E-04	2.78570E-01	1.48010E-04	5.64510E-04
6.70750E+02	5.86250E-04	2.78710E-01	1.63400E-04	6.23190E-04
6.70800E+02	6.54420E-04	2.78860E-01	1.82490E-04	6.96020E-04

6.70850E+02	7.34110E-04	2.79000E-01	2.04820E-04	7.81170E-04
6.70900E+02	8.23490E-04	2.79150E-01	2.29880E-04	8.76740E-04
6.70950E+02	9.20520E-04	2.79290E-01	2.57090E-04	9.80550E-04
6.71000E+02	1.02230E-03	2.79440E-01	2.85660E-04	1.08950E-03
6.71050E+02	1.12740E-03	2.79580E-01	3.15200E-04	1.20220E-03
6.71100E+02	1.23610E-03	2.79720E-01	3.45760E-04	1.31870E-03
6.71150E+02	1.34760E-03	2.79870E-01	3.77140E-04	1.43840E-03
6.71200E+02	1.46050E-03	2.80010E-01	4.08950E-04	1.55970E-03
6.71250E+02	1.57370E-03	2.80150E-01	4.40870E-04	1.68150E-03
6.71300E+02	1.68630E-03	2.80300E-01	4.72670E-04	1.80270E-03
6.71350E+02	1.79780E-03	2.80460E-01	5.04200E-04	1.92300E-03
6.71400E+02	1.90780E-03	2.80610E-01	5.35360E-04	2.04180E-03
6.71450E+02	2.01630E-03	2.80770E-01	5.66120E-04	2.15920E-03
6.71500E+02	2.12340E-03	2.80920E-01	5.96490E-04	2.27500E-03
6.71550E+02	2.22900E-03	2.81070E-01	6.26520E-04	2.38950E-03
6.71600E+02	2.33360E-03	2.81230E-01	6.56280E-04	2.50300E-03
6.71650E+02	2.43740E-03	2.81380E-01	6.85850E-04	2.61580E-03
6.71700E+02	2.54080E-03	2.81540E-01	7.15330E-04	2.72820E-03
6.71750E+02	2.64400E-03	2.81690E-01	7.44790E-04	2.84060E-03
6.71800E+02	2.74730E-03	2.81850E-01	7.74320E-04	2.95320E-03
6.71850E+02	2.85090E-03	2.82000E-01	8.03960E-04	3.06630E-03
6.71900E+02	2.95480E-03	2.82160E-01	8.33730E-04	3.17980E-03
6.71950E+02	3.05910E-03	2.82310E-01	8.63620E-04	3.29380E-03
6.72000E+02	3.16350E-03	2.82470E-01	8.93590E-04	3.40810E-03
6.72050E+02	3.26780E-03	2.82620E-01	9.23550E-04	3.52240E-03
6.72100E+02	3.37160E-03	2.82770E-01	9.53390E-04	3.63620E-03
6.72150E+02	3.47430E-03	2.82930E-01	9.82970E-04	3.74900E-03
6.72200E+02	3.57530E-03	2.83080E-01	1.01210E-03	3.86010E-03
6.72250E+02	3.67400E-03	2.83230E-01	1.04060E-03	3.96880E-03
6.72300E+02	3.76970E-03	2.83390E-01	1.06830E-03	4.07440E-03
6.72350E+02	3.86160E-03	2.83540E-01	1.09490E-03	4.17600E-03
6.72400E+02	3.94910E-03	2.83690E-01	1.12030E-03	4.27290E-03
6.72450E+02	4.03160E-03	2.83840E-01	1.14440E-03	4.36450E-03
6.72500E+02	4.10870E-03	2.84000E-01	1.16680E-03	4.45030E-03
6.72550E+02	4.17980E-03	2.84150E-01	1.18770E-03	4.52980E-03
6.72600E+02	4.24490E-03	2.84300E-01	1.20680E-03	4.60290E-03
6.72650E+02	4.30410E-03	2.84450E-01	1.22430E-03	4.66940E-03
6.72700E+02	4.35740E-03	2.84600E-01	1.24010E-03	4.72980E-03
6.72750E+02	4.40540E-03	2.84760E-01	1.25450E-03	4.78450E-03
6.72800E+02	4.44870E-03	2.84910E-01	1.26750E-03	4.83410E-03
6.72850E+02	4.48830E-03	2.85060E-01	1.27940E-03	4.87960E-03
6.72900E+02	4.52520E-03	2.85210E-01	1.29060E-03	4.92240E-03
6.72950E+02	4.56070E-03	2.85360E-01	1.30140E-03	4.96370E-03

6.73000E+02	4.59640E-03	2.85510E-01	1.31230E-03	5.00510E-03
6.73050E+02	4.63360E-03	2.85660E-01	1.32360E-03	5.04830E-03
6.73100E+02	4.67420E-03	2.85810E-01	1.33590E-03	5.09510E-03
6.73150E+02	4.71960E-03	2.85960E-01	1.34960E-03	5.14740E-03
6.73200E+02	4.77160E-03	2.86110E-01	1.36520E-03	5.20680E-03
6.73250E+02	4.83180E-03	2.86240E-01	1.38310E-03	5.27510E-03
6.73300E+02	4.90160E-03	2.86380E-01	1.40370E-03	5.35380E-03
6.73350E+02	4.98220E-03	2.86520E-01	1.42750E-03	5.44440E-03
6.73400E+02	5.07470E-03	2.86660E-01	1.45470E-03	5.54820E-03
6.73450E+02	5.18000E-03	2.86800E-01	1.48560E-03	5.66600E-03
6.73500E+02	5.29850E-03	2.86930E-01	1.52030E-03	5.79850E-03
6.73550E+02	5.43060E-03	2.87070E-01	1.55900E-03	5.94580E-03
6.73600E+02	5.57610E-03	2.87210E-01	1.60150E-03	6.10800E-03
6.73650E+02	5.73460E-03	2.87340E-01	1.64780E-03	6.28470E-03
6.73700E+02	5.90540E-03	2.87480E-01	1.69770E-03	6.47500E-03
6.73750E+02	6.08760E-03	2.87620E-01	1.75090E-03	6.67790E-03
6.73800E+02	6.27980E-03	2.87760E-01	1.80700E-03	6.89200E-03
6.73850E+02	6.48060E-03	2.87890E-01	1.86570E-03	7.11580E-03
6.73900E+02	6.68820E-03	2.88030E-01	1.92640E-03	7.34730E-03
6.73950E+02	6.90100E-03	2.88170E-01	1.98860E-03	7.58460E-03
6.74000E+02	7.11690E-03	2.88300E-01	2.05180E-03	7.82560E-03
6.74050E+02	7.33410E-03	2.88460E-01	2.11560E-03	8.06890E-03
6.74100E+02	7.55070E-03	2.88620E-01	2.17930E-03	8.31170E-03
6.74150E+02	7.76490E-03	2.88780E-01	2.24230E-03	8.55220E-03
6.74200E+02	7.97510E-03	2.88940E-01	2.30430E-03	8.78860E-03
6.74250E+02	8.18000E-03	2.89100E-01	2.36480E-03	9.01920E-03
6.74300E+02	8.37830E-03	2.89250E-01	2.42340E-03	9.24300E-03
6.74350E+02	8.56930E-03	2.89410E-01	2.48010E-03	9.45890E-03
6.74400E+02	8.75250E-03	2.89570E-01	2.53450E-03	9.66630E-03
6.74450E+02	8.92770E-03	2.89730E-01	2.58660E-03	9.86530E-03
6.74500E+02	9.09520E-03	2.89890E-01	2.63660E-03	1.00560E-02
6.74550E+02	9.25560E-03	2.90040E-01	2.68450E-03	1.02390E-02
6.74600E+02	9.40990E-03	2.90200E-01	2.73080E-03	1.04150E-02
6.74650E+02	9.55930E-03	2.90360E-01	2.77570E-03	1.05860E-02
6.74700E+02	9.70550E-03	2.90520E-01	2.81960E-03	1.07540E-02
6.74750E+02	9.85010E-03	2.90680E-01	2.86320E-03	1.09200E-02
6.74800E+02	9.99540E-03	2.90840E-01	2.90700E-03	1.10870E-02
6.74850E+02	1.01430E-02	2.90990E-01	2.95170E-03	1.12580E-02
6.74900E+02	1.02960E-02	2.91150E-01	2.99780E-03	1.14330E-02
6.74950E+02	1.04560E-02	2.91310E-01	3.04600E-03	1.16180E-02
6.75000E+02	1.06260E-02	2.91470E-01	3.09710E-03	1.18120E-02
6.75050E+02	1.08070E-02	2.91620E-01	3.15150E-03	1.20200E-02
6.75100E+02	1.10010E-02	2.91780E-01	3.20990E-03	1.22420E-02

6.75150E+02	1.12100E-02	2.91920E-01	3.27250E-03	1.24810E-02
6.75200E+02	1.14360E-02	2.92030E-01	3.33960E-03	1.27370E-02
6.75250E+02	1.16790E-02	2.92150E-01	3.41190E-03	1.30130E-02
6.75300E+02	1.19390E-02	2.92270E-01	3.48950E-03	1.33090E-02
6.75350E+02	1.22180E-02	2.92380E-01	3.57240E-03	1.36250E-02
6.75400E+02	1.25160E-02	2.92500E-01	3.66080E-03	1.39620E-02
6.75450E+02	1.28300E-02	2.92620E-01	3.75440E-03	1.43190E-02
6.75500E+02	1.31620E-02	2.92730E-01	3.85310E-03	1.46960E-02
6.75550E+02	1.35100E-02	2.92850E-01	3.95650E-03	1.50900E-02
6.75600E+02	1.38730E-02	2.92970E-01	4.06430E-03	1.55010E-02
6.75650E+02	1.42480E-02	2.93080E-01	4.17590E-03	1.59270E-02
6.75700E+02	1.46350E-02	2.93200E-01	4.29100E-03	1.63660E-02
6.75750E+02	1.50320E-02	2.93320E-01	4.40900E-03	1.68160E-02
6.75800E+02	1.54360E-02	2.93430E-01	4.52940E-03	1.72750E-02
6.75850E+02	1.58460E-02	2.93550E-01	4.65170E-03	1.77410E-02
6.75900E+02	1.62610E-02	2.93660E-01	4.77540E-03	1.82130E-02
6.75950E+02	1.66790E-02	2.93780E-01	4.90010E-03	1.86890E-02
6.76000E+02	1.71000E-02	2.93900E-01	5.02550E-03	1.91670E-02
6.76050E+02	1.75210E-02	2.93990E-01	5.15110E-03	1.96460E-02
6.76100E+02	1.79430E-02	2.94080E-01	5.27690E-03	2.01260E-02
6.76150E+02	1.83670E-02	2.94180E-01	5.40310E-03	2.06070E-02
6.76200E+02	1.87910E-02	2.94270E-01	5.52980E-03	2.10910E-02
6.76250E+02	1.92180E-02	2.94370E-01	5.65720E-03	2.15770E-02
6.76300E+02	1.96480E-02	2.94460E-01	5.78580E-03	2.20670E-02
6.76350E+02	2.00840E-02	2.94560E-01	5.91590E-03	2.25630E-02
6.76400E+02	2.05270E-02	2.94650E-01	6.04830E-03	2.30680E-02
6.76450E+02	2.09790E-02	2.94750E-01	6.18360E-03	2.35840E-02
6.76500E+02	2.14450E-02	2.94840E-01	6.32280E-03	2.41150E-02
6.76550E+02	2.19250E-02	2.94930E-01	6.46660E-03	2.46630E-02
6.76600E+02	2.24250E-02	2.95030E-01	6.61590E-03	2.52330E-02
6.76650E+02	2.29460E-02	2.95120E-01	6.77190E-03	2.58280E-02
6.76700E+02	2.34920E-02	2.95220E-01	6.93530E-03	2.64510E-02
6.76750E+02	2.40670E-02	2.95310E-01	7.10710E-03	2.71060E-02
6.76800E+02	2.46720E-02	2.95400E-01	7.28820E-03	2.77970E-02
6.76850E+02	2.53120E-02	2.95490E-01	7.47950E-03	2.85270E-02
6.76900E+02	2.59880E-02	2.95590E-01	7.68160E-03	2.92980E-02
6.76950E+02	2.67020E-02	2.95680E-01	7.89520E-03	3.01120E-02
6.77000E+02	2.74560E-02	2.95770E-01	8.12080E-03	3.09720E-02
6.77050E+02	2.82510E-02	2.95860E-01	8.35860E-03	3.18790E-02
6.77100E+02	2.90890E-02	2.95940E-01	8.60840E-03	3.28320E-02
6.77150E+02	2.99680E-02	2.96000E-01	8.87070E-03	3.38320E-02
6.77200E+02	3.08890E-02	2.96070E-01	9.14540E-03	3.48800E-02
6.77250E+02	3.18520E-02	2.96140E-01	9.43260E-03	3.59760E-02

6.77300E+02	3.28550E-02	2.96200E-01	9.73160E-03	3.71160E-02
6.77350E+02	3.38960E-02	2.96270E-01	1.00420E-02	3.83010E-02
6.77400E+02	3.49730E-02	2.96330E-01	1.03640E-02	3.95270E-02
6.77450E+02	3.60850E-02	2.96400E-01	1.06960E-02	4.07930E-02
6.77500E+02	3.72300E-02	2.96470E-01	1.10370E-02	4.20960E-02
6.77550E+02	3.84040E-02	2.96530E-01	1.13880E-02	4.34330E-02
6.77600E+02	3.96050E-02	2.96590E-01	1.17470E-02	4.48020E-02
6.77650E+02	4.08320E-02	2.96660E-01	1.21130E-02	4.61990E-02
6.77700E+02	4.20810E-02	2.96720E-01	1.24860E-02	4.76230E-02
6.77750E+02	4.33510E-02	2.96790E-01	1.28660E-02	4.90710E-02
6.77800E+02	4.46410E-02	2.96850E-01	1.32520E-02	5.05420E-02
6.77850E+02	4.59490E-02	2.96910E-01	1.36430E-02	5.20330E-02
6.77900E+02	4.72740E-02	2.96980E-01	1.40390E-02	5.35450E-02
6.77950E+02	4.86170E-02	2.97040E-01	1.44410E-02	5.50780E-02
6.78000E+02	4.99770E-02	2.97100E-01	1.48480E-02	5.66310E-02
6.78050E+02	5.13560E-02	2.97180E-01	1.52620E-02	5.82090E-02
6.78100E+02	5.27540E-02	2.97260E-01	1.56820E-02	5.98110E-02
6.78150E+02	5.41750E-02	2.97340E-01	1.61090E-02	6.14380E-02
6.78200E+02	5.56210E-02	2.97430E-01	1.65430E-02	6.30950E-02
6.78250E+02	5.70940E-02	2.97510E-01	1.69860E-02	6.47840E-02
6.78300E+02	5.86000E-02	2.97590E-01	1.74380E-02	6.65100E-02
6.78350E+02	6.01410E-02	2.97670E-01	1.79020E-02	6.82770E-02
6.78400E+02	6.09590E-02	2.97750E-01	1.81500E-02	6.92250E-02
6.78450E+02	6.24660E-02	2.97830E-01	1.86040E-02	7.09550E-02
6.78500E+02	6.40190E-02	2.97910E-01	1.90720E-02	7.27390E-02
6.78550E+02	6.56280E-02	2.97990E-01	1.95560E-02	7.45870E-02
6.78600E+02	6.72980E-02	2.98070E-01	2.00590E-02	7.65060E-02
6.78650E+02	6.90380E-02	2.98150E-01	2.05830E-02	7.85050E-02
6.78700E+02	7.08550E-02	2.98230E-01	2.11310E-02	8.05920E-02
6.78750E+02	7.27550E-02	2.98310E-01	2.17030E-02	8.27750E-02
6.78800E+02	7.47440E-02	2.98380E-01	2.23030E-02	8.50610E-02
6.78850E+02	7.68290E-02	2.98460E-01	2.29310E-02	8.74570E-02
6.78900E+02	7.90140E-02	2.98540E-01	2.35890E-02	8.99690E-02
6.78950E+02	8.13050E-02	2.98620E-01	2.42790E-02	9.26010E-02
6.79000E+02	8.37040E-02	2.98700E-01	2.50030E-02	9.53590E-02
6.79050E+02	8.62160E-02	2.98790E-01	2.57600E-02	9.82480E-02
6.79100E+02	8.88420E-02	2.98870E-01	2.65520E-02	1.01270E-01
6.79150E+02	9.15850E-02	2.98950E-01	2.73800E-02	1.04430E-01
6.79200E+02	9.44470E-02	2.99040E-01	2.82430E-02	1.07720E-01
6.79250E+02	9.74280E-02	2.99120E-01	2.91430E-02	1.11150E-01
6.79300E+02	1.00530E-01	2.99210E-01	3.00790E-02	1.14720E-01
6.79350E+02	1.03750E-01	2.99290E-01	3.10520E-02	1.18430E-01
6.79400E+02	1.07090E-01	2.99380E-01	3.20610E-02	1.22280E-01

6.79450E+02	1.10560E-01	2.99460E-01	3.31070E-02	1.26270E-01
6.79500E+02	1.14140E-01	2.99540E-01	3.41900E-02	1.30400E-01
6.79550E+02	1.17840E-01	2.99630E-01	3.53090E-02	1.34670E-01
6.79600E+02	1.21670E-01	2.99710E-01	3.64650E-02	1.39080E-01
6.79650E+02	1.25610E-01	2.99800E-01	3.76580E-02	1.43630E-01
6.79700E+02	1.29680E-01	2.99880E-01	3.88880E-02	1.48320E-01
6.79750E+02	1.33860E-01	2.99960E-01	4.01550E-02	1.53150E-01
6.79800E+02	1.38170E-01	3.00050E-01	4.14590E-02	1.58120E-01
6.79850E+02	1.42610E-01	3.00130E-01	4.28010E-02	1.63240E-01
6.79900E+02	1.47170E-01	3.00210E-01	4.41820E-02	1.68510E-01
6.79950E+02	1.51850E-01	3.00300E-01	4.56010E-02	1.73920E-01
6.80000E+02	1.56660E-01	3.00380E-01	4.70590E-02	1.79480E-01
6.80050E+02	1.61610E-01	3.00470E-01	4.85580E-02	1.85200E-01
6.80100E+02	1.66680E-01	3.00560E-01	5.00960E-02	1.91070E-01
6.80150E+02	1.71880E-01	3.00640E-01	5.16760E-02	1.97090E-01
6.80200E+02	1.77220E-01	3.00730E-01	5.32960E-02	2.03270E-01
6.80250E+02	1.82700E-01	3.00820E-01	5.49580E-02	2.09610E-01
6.80300E+02	1.88310E-01	3.00900E-01	5.66620E-02	2.16110E-01
6.80350E+02	1.94050E-01	3.00990E-01	5.84080E-02	2.22770E-01
6.80400E+02	1.99940E-01	3.01080E-01	6.01960E-02	2.29590E-01
6.80450E+02	2.05950E-01	3.01160E-01	6.20260E-02	2.36570E-01
6.80500E+02	2.12110E-01	3.01250E-01	6.38980E-02	2.43700E-01
6.80550E+02	2.18390E-01	3.01340E-01	6.58100E-02	2.51000E-01
6.80600E+02	2.24810E-01	3.01420E-01	6.77640E-02	2.58450E-01
6.80650E+02	2.31360E-01	3.01510E-01	6.97570E-02	2.66050E-01
6.80700E+02	2.38030E-01	3.01600E-01	7.17890E-02	2.73800E-01
6.80750E+02	2.44830E-01	3.01680E-01	7.38600E-02	2.81700E-01
6.80800E+02	2.51740E-01	3.01770E-01	7.59660E-02	2.89730E-01
6.80850E+02	2.58760E-01	3.01860E-01	7.81090E-02	2.97900E-01
6.80900E+02	2.65890E-01	3.01940E-01	8.02840E-02	3.06200E-01
6.80950E+02	2.73130E-01	3.02030E-01	8.24930E-02	3.14630E-01
6.81000E+02	2.80460E-01	3.02120E-01	8.47320E-02	3.23170E-01
6.81050E+02	2.87890E-01	3.02210E-01	8.70010E-02	3.31820E-01
6.81100E+02	2.95400E-01	3.02300E-01	8.92970E-02	3.40580E-01
6.81150E+02	3.02990E-01	3.02390E-01	9.16200E-02	3.49440E-01
6.81200E+02	3.10660E-01	3.02470E-01	9.39660E-02	3.58390E-01
6.81250E+02	3.18400E-01	3.02560E-01	9.63360E-02	3.67420E-01
6.81300E+02	3.26200E-01	3.02650E-01	9.87260E-02	3.76540E-01
6.81350E+02	3.34060E-01	3.02740E-01	1.01140E-01	3.85730E-01
6.81400E+02	3.41980E-01	3.02830E-01	1.03560E-01	3.94990E-01
6.81450E+02	3.49960E-01	3.02920E-01	1.06010E-01	4.04320E-01
6.81500E+02	3.57970E-01	3.03010E-01	1.08470E-01	4.13700E-01
6.81550E+02	3.66040E-01	3.03100E-01	1.10950E-01	4.23140E-01

6.81600E+02	3.74130E-01	3.03190E-01	1.13430E-01	4.32630E-01
6.81650E+02	3.82270E-01	3.03280E-01	1.15930E-01	4.42170E-01
6.81700E+02	3.90440E-01	3.03370E-01	1.18450E-01	4.51750E-01
6.81750E+02	3.98630E-01	3.03460E-01	1.20970E-01	4.61370E-01
6.81800E+02	4.06850E-01	3.03550E-01	1.23500E-01	4.71020E-01
6.81850E+02	4.15080E-01	3.03640E-01	1.26030E-01	4.80690E-01
6.81900E+02	4.23340E-01	3.03720E-01	1.28580E-01	4.90390E-01
6.81950E+02	4.31600E-01	3.03810E-01	1.31130E-01	5.00110E-01
6.82000E+02	4.39860E-01	3.03900E-01	1.33680E-01	5.09840E-01
6.82050E+02	4.48120E-01	3.04030E-01	1.36240E-01	5.19630E-01
6.82100E+02	4.56380E-01	3.04160E-01	1.38810E-01	5.29420E-01
6.82150E+02	4.64610E-01	3.04290E-01	1.41380E-01	5.39200E-01
6.82200E+02	4.72830E-01	3.04410E-01	1.43940E-01	5.48970E-01
6.82250E+02	4.81010E-01	3.04540E-01	1.46490E-01	5.58700E-01
6.82300E+02	4.89150E-01	3.04670E-01	1.49030E-01	5.68390E-01
6.82350E+02	4.97230E-01	3.04800E-01	1.51550E-01	5.78020E-01
6.82400E+02	5.05250E-01	3.04920E-01	1.54060E-01	5.87600E-01
6.82450E+02	5.13200E-01	3.05050E-01	1.56550E-01	5.97090E-01
6.82500E+02	5.21070E-01	3.05180E-01	1.59020E-01	6.06490E-01
6.82550E+02	5.28830E-01	3.05310E-01	1.61460E-01	6.15790E-01
6.82600E+02	5.36490E-01	3.05430E-01	1.63860E-01	6.24970E-01
6.82650E+02	5.44030E-01	3.05560E-01	1.66230E-01	6.34010E-01
6.82700E+02	5.51440E-01	3.05690E-01	1.68570E-01	6.42910E-01
6.82750E+02	5.58700E-01	3.05820E-01	1.70860E-01	6.51650E-01
6.82800E+02	5.65810E-01	3.05940E-01	1.73100E-01	6.60220E-01
6.82850E+02	5.72750E-01	3.06070E-01	1.75300E-01	6.68600E-01
6.82900E+02	5.79520E-01	3.06190E-01	1.77450E-01	6.76770E-01
6.82950E+02	5.86100E-01	3.06320E-01	1.79530E-01	6.84740E-01
6.83000E+02	5.92500E-01	3.06440E-01	1.81570E-01	6.92490E-01
6.83050E+02	5.98690E-01	3.06570E-01	1.83540E-01	7.00010E-01
6.83100E+02	6.04670E-01	3.06690E-01	1.85450E-01	7.07300E-01
6.83150E+02	6.10450E-01	3.06820E-01	1.87300E-01	7.14350E-01
6.83200E+02	6.16010E-01	3.06940E-01	1.89080E-01	7.21150E-01
6.83250E+02	6.21360E-01	3.07070E-01	1.90800E-01	7.27700E-01
6.83300E+02	6.26490E-01	3.07190E-01	1.92450E-01	7.34010E-01
6.83350E+02	6.31400E-01	3.07320E-01	1.94040E-01	7.40060E-01
6.83400E+02	6.36090E-01	3.07440E-01	1.95560E-01	7.45860E-01
6.83450E+02	6.40560E-01	3.07570E-01	1.97020E-01	7.51410E-01
6.83500E+02	6.44830E-01	3.07690E-01	1.98410E-01	7.56720E-01
6.83550E+02	6.48880E-01	3.07820E-01	1.99740E-01	7.61790E-01
6.83600E+02	6.52730E-01	3.07940E-01	2.01000E-01	7.66610E-01
6.83650E+02	6.56370E-01	3.08060E-01	2.02210E-01	7.71210E-01
6.83700E+02	6.59830E-01	3.08190E-01	2.03350E-01	7.75580E-01

6.83750E+02	6.63090E-01	3.08310E-01	2.04440E-01	7.79730E-01
6.83800E+02	6.66170E-01	3.08440E-01	2.05470E-01	7.83660E-01
6.83850E+02	6.69070E-01	3.08560E-01	2.06450E-01	7.87390E-01
6.83900E+02	6.71800E-01	3.08690E-01	2.07370E-01	7.90920E-01
6.83950E+02	6.74360E-01	3.08810E-01	2.08250E-01	7.94260E-01
6.84000E+02	6.76760E-01	3.08930E-01	2.09080E-01	7.97410E-01
6.84050E+02	6.79010E-01	3.09010E-01	2.09820E-01	8.00250E-01
6.84100E+02	6.81110E-01	3.09090E-01	2.10520E-01	8.02920E-01
6.84150E+02	6.83060E-01	3.09160E-01	2.11180E-01	8.05420E-01
6.84200E+02	6.84870E-01	3.09240E-01	2.11790E-01	8.07750E-01
6.84250E+02	6.86550E-01	3.09310E-01	2.12360E-01	8.09930E-01
6.84300E+02	6.88090E-01	3.09390E-01	2.12890E-01	8.11940E-01
6.84350E+02	6.89500E-01	3.09460E-01	2.13370E-01	8.13810E-01
6.84400E+02	6.90780E-01	3.09540E-01	2.13820E-01	8.15520E-01
6.84450E+02	6.91940E-01	3.09610E-01	2.14230E-01	8.17080E-01
6.84500E+02	6.92970E-01	3.09690E-01	2.14610E-01	8.18500E-01
6.84550E+02	6.93890E-01	3.09760E-01	2.14940E-01	8.19780E-01
6.84600E+02	6.94680E-01	3.09840E-01	2.15240E-01	8.20920E-01
6.84650E+02	6.95350E-01	3.09920E-01	2.15500E-01	8.21920E-01
6.84700E+02	6.95920E-01	3.09990E-01	2.15730E-01	8.22780E-01
6.84750E+02	6.96360E-01	3.10070E-01	2.15920E-01	8.23510E-01
6.84800E+02	6.96700E-01	3.10140E-01	2.16080E-01	8.24110E-01
6.84850E+02	6.96930E-01	3.10210E-01	2.16200E-01	8.24570E-01
6.84900E+02	6.97060E-01	3.10290E-01	2.16290E-01	8.24920E-01
6.84950E+02	6.97090E-01	3.10360E-01	2.16350E-01	8.25140E-01
6.85000E+02	6.97020E-01	3.10430E-01	2.16380E-01	8.25250E-01
6.85050E+02	6.96850E-01	3.10500E-01	2.16380E-01	8.25250E-01
6.85100E+02	6.96600E-01	3.10570E-01	2.16350E-01	8.25140E-01
6.85150E+02	6.96270E-01	3.10650E-01	2.16290E-01	8.24940E-01
6.85200E+02	6.95860E-01	3.10720E-01	2.16220E-01	8.24650E-01
6.85250E+02	6.95380E-01	3.10790E-01	2.16120E-01	8.24270E-01
6.85300E+02	6.94840E-01	3.10860E-01	2.16000E-01	8.23810E-01
6.85350E+02	6.94240E-01	3.10930E-01	2.15860E-01	8.23290E-01
6.85400E+02	6.93580E-01	3.11000E-01	2.15710E-01	8.22700E-01
6.85450E+02	6.92880E-01	3.11080E-01	2.15540E-01	8.22060E-01
6.85500E+02	6.92150E-01	3.11150E-01	2.15360E-01	8.21380E-01
6.85550E+02	6.91380E-01	3.11220E-01	2.15170E-01	8.20660E-01
6.85600E+02	6.90590E-01	3.11290E-01	2.14980E-01	8.19910E-01
6.85650E+02	6.89790E-01	3.11360E-01	2.14770E-01	8.19140E-01
6.85700E+02	6.88970E-01	3.11430E-01	2.14570E-01	8.18360E-01
6.85750E+02	6.88150E-01	3.11500E-01	2.14360E-01	8.17570E-01
6.85800E+02	6.87330E-01	3.11580E-01	2.14160E-01	8.16790E-01
6.85850E+02	6.86520E-01	3.11650E-01	2.13950E-01	8.16010E-01

6.85900E+02	6.85720E-01	3.11720E-01	2.13750E-01	8.15240E-01
6.85950E+02	6.84930E-01	3.11790E-01	2.13560E-01	8.14490E-01
6.86000E+02	6.84170E-01	3.11860E-01	2.13370E-01	8.13780E-01
6.86050E+02	6.83430E-01	3.12030E-01	2.13250E-01	8.13330E-01
6.86100E+02	6.82710E-01	3.12200E-01	2.13140E-01	8.12910E-01
6.86150E+02	6.82020E-01	3.12360E-01	2.13040E-01	8.12520E-01
6.86200E+02	6.81360E-01	3.12530E-01	2.12950E-01	8.12170E-01
6.86250E+02	6.80740E-01	3.12690E-01	2.12860E-01	8.11860E-01
6.86300E+02	6.80150E-01	3.12860E-01	2.12790E-01	8.11580E-01
6.86350E+02	6.79590E-01	3.13030E-01	2.12730E-01	8.11340E-01
6.86400E+02	6.79060E-01	3.13190E-01	2.12680E-01	8.11150E-01
6.86450E+02	6.78570E-01	3.13360E-01	2.12640E-01	8.10990E-01
6.86500E+02	6.78120E-01	3.13530E-01	2.12610E-01	8.10880E-01
6.86550E+02	6.77690E-01	3.13690E-01	2.12590E-01	8.10810E-01
6.86600E+02	6.77310E-01	3.13860E-01	2.12580E-01	8.10770E-01
6.86650E+02	6.76950E-01	3.14030E-01	2.12580E-01	8.10780E-01
6.86700E+02	6.76640E-01	3.14190E-01	2.12590E-01	8.10830E-01
6.86750E+02	6.76350E-01	3.14360E-01	2.12620E-01	8.10920E-01
6.86800E+02	6.76100E-01	3.14530E-01	2.12650E-01	8.11050E-01
6.86850E+02	6.75880E-01	3.14700E-01	2.12700E-01	8.11220E-01
6.86900E+02	6.75690E-01	3.14870E-01	2.12750E-01	8.11430E-01
6.86950E+02	6.75540E-01	3.15030E-01	2.12820E-01	8.11680E-01
6.87000E+02	6.75410E-01	3.15200E-01	2.12890E-01	8.11970E-01
6.87050E+02	6.75330E-01	3.15370E-01	2.12980E-01	8.12290E-01
6.87100E+02	6.75270E-01	3.15540E-01	2.13070E-01	8.12660E-01
6.87150E+02	6.75250E-01	3.15710E-01	2.13180E-01	8.13070E-01
6.87200E+02	6.75270E-01	3.15870E-01	2.13300E-01	8.13520E-01
6.87250E+02	6.75320E-01	3.16040E-01	2.13430E-01	8.14010E-01
6.87300E+02	6.75410E-01	3.16210E-01	2.13570E-01	8.14550E-01
6.87350E+02	6.75540E-01	3.16380E-01	2.13720E-01	8.15130E-01
6.87400E+02	6.75700E-01	3.16540E-01	2.13890E-01	8.15760E-01
6.87450E+02	6.75900E-01	3.16710E-01	2.14060E-01	8.16440E-01
6.87500E+02	6.76140E-01	3.16880E-01	2.14250E-01	8.17160E-01
6.87550E+02	6.76420E-01	3.17040E-01	2.14460E-01	8.17930E-01
6.87600E+02	6.76750E-01	3.17210E-01	2.14670E-01	8.18760E-01
6.87650E+02	6.77110E-01	3.17380E-01	2.14900E-01	8.19630E-01
6.87700E+02	6.77520E-01	3.17550E-01	2.15150E-01	8.20560E-01
6.87750E+02	6.77970E-01	3.17710E-01	2.15400E-01	8.21540E-01
6.87800E+02	6.78470E-01	3.17880E-01	2.15670E-01	8.22570E-01
6.87850E+02	6.79000E-01	3.18050E-01	2.15960E-01	8.23650E-01
6.87900E+02	6.79580E-01	3.18220E-01	2.16250E-01	8.24790E-01
6.87950E+02	6.80210E-01	3.18380E-01	2.16570E-01	8.25980E-01
6.88000E+02	6.80880E-01	3.18550E-01	2.16890E-01	8.27230E-01

6.88050E+02	6.81590E-01	3.18760E-01	2.17260E-01	8.28640E-01
6.88100E+02	6.82350E-01	3.18970E-01	2.17650E-01	8.30100E-01
6.88150E+02	6.83150E-01	3.19170E-01	2.18040E-01	8.31610E-01
6.88200E+02	6.84000E-01	3.19380E-01	2.18450E-01	8.33180E-01
6.88250E+02	6.84880E-01	3.19590E-01	2.18880E-01	8.34800E-01
6.88300E+02	6.85820E-01	3.19790E-01	2.19320E-01	8.36480E-01
6.88350E+02	6.86790E-01	3.20000E-01	2.19770E-01	8.38210E-01
6.88400E+02	6.87810E-01	3.20210E-01	2.20240E-01	8.40000E-01
6.88450E+02	6.88870E-01	3.20420E-01	2.20720E-01	8.41830E-01
6.88500E+02	6.89970E-01	3.20620E-01	2.21220E-01	8.43720E-01
6.88550E+02	6.91110E-01	3.20830E-01	2.21730E-01	8.45670E-01
6.88600E+02	6.92290E-01	3.21040E-01	2.22250E-01	8.47660E-01
6.88650E+02	6.93520E-01	3.21240E-01	2.22790E-01	8.49700E-01
6.88700E+02	6.94780E-01	3.21440E-01	2.23330E-01	8.51790E-01
6.88750E+02	6.96090E-01	3.21640E-01	2.23890E-01	8.53920E-01
6.88800E+02	6.97430E-01	3.21840E-01	2.24460E-01	8.56100E-01
6.88850E+02	6.98820E-01	3.22040E-01	2.25050E-01	8.58330E-01
6.88900E+02	7.00240E-01	3.22240E-01	2.25650E-01	8.60620E-01
6.88950E+02	7.01700E-01	3.22440E-01	2.26260E-01	8.62940E-01
6.89000E+02	7.03190E-01	3.22650E-01	2.26880E-01	8.65320E-01
6.89050E+02	7.04720E-01	3.22840E-01	2.27510E-01	8.67740E-01
6.89100E+02	7.06280E-01	3.23040E-01	2.28160E-01	8.70200E-01
6.89150E+02	7.07880E-01	3.23240E-01	2.28820E-01	8.72700E-01
6.89200E+02	7.09500E-01	3.23440E-01	2.29480E-01	8.75240E-01
6.89250E+02	7.11160E-01	3.23640E-01	2.30160E-01	8.77830E-01
6.89300E+02	7.12840E-01	3.23840E-01	2.30850E-01	8.80440E-01
6.89350E+02	7.14550E-01	3.24040E-01	2.31540E-01	8.83100E-01
6.89400E+02	7.16280E-01	3.24240E-01	2.32250E-01	8.85780E-01
6.89450E+02	7.18030E-01	3.24440E-01	2.32960E-01	8.88490E-01
6.89500E+02	7.19800E-01	3.24640E-01	2.33670E-01	8.91230E-01
6.89550E+02	7.21580E-01	3.24840E-01	2.34400E-01	8.93990E-01
6.89600E+02	7.23380E-01	3.25040E-01	2.35130E-01	8.96770E-01
6.89650E+02	7.25190E-01	3.25240E-01	2.35860E-01	8.99560E-01
6.89700E+02	7.27010E-01	3.25430E-01	2.36600E-01	9.02370E-01
6.89750E+02	7.28840E-01	3.25630E-01	2.37330E-01	9.05190E-01
6.89800E+02	7.30670E-01	3.25830E-01	2.38070E-01	9.08010E-01
6.89850E+02	7.32500E-01	3.26030E-01	2.38820E-01	9.10840E-01
6.89900E+02	7.34320E-01	3.26230E-01	2.39560E-01	9.13670E-01
6.89950E+02	7.36150E-01	3.26430E-01	2.40300E-01	9.16490E-01
6.90000E+02	7.37960E-01	3.26620E-01	2.41030E-01	9.19300E-01
6.90050E+02	7.39770E-01	3.26670E-01	2.41660E-01	9.21690E-01
6.90100E+02	7.41570E-01	3.26720E-01	2.42290E-01	9.24070E-01
6.90150E+02	7.43350E-01	3.26770E-01	2.42910E-01	9.26440E-01

6.90200E+02	7.45130E-01	3.26820E-01	2.43520E-01	9.28790E-01
6.90250E+02	7.46880E-01	3.26870E-01	2.44130E-01	9.31120E-01
6.90300E+02	7.48630E-01	3.26920E-01	2.44740E-01	9.33430E-01
6.90350E+02	7.50350E-01	3.26970E-01	2.45340E-01	9.35720E-01
6.90400E+02	7.52060E-01	3.27020E-01	2.45940E-01	9.37990E-01
6.90450E+02	7.53750E-01	3.27070E-01	2.46530E-01	9.40240E-01
6.90500E+02	7.55420E-01	3.27120E-01	2.47110E-01	9.42470E-01
6.90550E+02	7.57070E-01	3.27160E-01	2.47690E-01	9.44670E-01
6.90600E+02	7.58710E-01	3.27210E-01	2.48260E-01	9.46850E-01
6.90650E+02	7.60320E-01	3.27260E-01	2.48820E-01	9.49010E-01
6.90700E+02	7.61920E-01	3.27310E-01	2.49380E-01	9.51140E-01
6.90750E+02	7.63500E-01	3.27360E-01	2.49940E-01	9.53250E-01
6.90800E+02	7.65060E-01	3.27400E-01	2.50480E-01	9.55340E-01
6.90850E+02	7.66610E-01	3.27450E-01	2.51030E-01	9.57410E-01
6.90900E+02	7.68130E-01	3.27500E-01	2.51560E-01	9.59450E-01
6.90950E+02	7.69640E-01	3.27550E-01	2.52090E-01	9.61480E-01
6.91000E+02	7.71130E-01	3.27590E-01	2.52620E-01	9.63480E-01
6.91050E+02	7.72610E-01	3.27640E-01	2.53140E-01	9.65450E-01
6.91100E+02	7.74060E-01	3.27680E-01	2.53650E-01	9.67410E-01
6.91150E+02	7.75500E-01	3.27730E-01	2.54150E-01	9.69340E-01
6.91200E+02	7.76910E-01	3.27780E-01	2.54650E-01	9.71240E-01
6.91250E+02	7.78300E-01	3.27820E-01	2.55140E-01	9.73110E-01
6.91300E+02	7.79670E-01	3.27870E-01	2.55630E-01	9.74960E-01
6.91350E+02	7.81020E-01	3.27910E-01	2.56100E-01	9.76770E-01
6.91400E+02	7.82330E-01	3.27960E-01	2.56570E-01	9.78560E-01
6.91450E+02	7.83620E-01	3.28000E-01	2.57030E-01	9.80300E-01
6.91500E+02	7.84870E-01	3.28050E-01	2.57470E-01	9.82000E-01
6.91550E+02	7.86090E-01	3.28090E-01	2.57910E-01	9.83660E-01
6.91600E+02	7.87260E-01	3.28140E-01	2.58330E-01	9.85260E-01
6.91650E+02	7.88400E-01	3.28180E-01	2.58740E-01	9.86820E-01
6.91700E+02	7.89480E-01	3.28230E-01	2.59130E-01	9.88310E-01
6.91750E+02	7.90510E-01	3.28270E-01	2.59500E-01	9.89730E-01
6.91800E+02	7.91480E-01	3.28320E-01	2.59860E-01	9.91090E-01
6.91850E+02	7.92390E-01	3.28360E-01	2.60190E-01	9.92360E-01
6.91900E+02	7.93240E-01	3.28410E-01	2.60500E-01	9.93550E-01
6.91950E+02	7.94010E-01	3.28450E-01	2.60790E-01	9.94660E-01
6.92000E+02	7.94700E-01	3.28500E-01	2.61060E-01	9.95670E-01
6.92050E+02	7.95320E-01	3.28560E-01	2.61310E-01	9.96630E-01
6.92100E+02	7.95840E-01	3.28630E-01	2.61540E-01	9.97490E-01
6.92150E+02	7.96270E-01	3.28700E-01	2.61730E-01	9.98240E-01
6.92200E+02	7.96600E-01	3.28760E-01	2.61890E-01	9.98860E-01
6.92250E+02	7.96840E-01	3.28830E-01	2.62020E-01	9.99350E-01
6.92300E+02	7.96960E-01	3.28900E-01	2.62120E-01	9.99710E-01

6.92350E+02	7.96970E-01	3.28960E-01	2.62170E-01	9.99930E-01
6.92400E+02	7.96870E-01	3.29030E-01	2.62190E-01	1.00000E+00
6.92450E+02	7.96650E-01	3.29100E-01	2.62170E-01	9.99920E-01
6.92500E+02	7.96300E-01	3.29170E-01	2.62110E-01	9.99700E-01
6.92550E+02	7.95830E-01	3.29240E-01	2.62020E-01	9.99340E-01
6.92600E+02	7.95230E-01	3.29320E-01	2.61890E-01	9.98830E-01
6.92650E+02	7.94490E-01	3.29400E-01	2.61710E-01	9.98140E-01
6.92700E+02	7.93620E-01	3.29480E-01	2.61480E-01	9.97290E-01
6.92750E+02	7.92620E-01	3.29560E-01	2.61210E-01	9.96270E-01
6.92800E+02	7.91480E-01	3.29640E-01	2.60900E-01	9.95070E-01
6.92850E+02	7.90190E-01	3.29720E-01	2.60540E-01	9.93690E-01
6.92900E+02	7.88770E-01	3.29790E-01	2.60130E-01	9.92140E-01
6.92950E+02	7.87210E-01	3.29870E-01	2.59680E-01	9.90410E-01
6.93000E+02	7.85510E-01	3.29950E-01	2.59180E-01	9.88510E-01
6.93050E+02	7.83670E-01	3.30030E-01	2.58630E-01	9.86410E-01
6.93100E+02	7.81680E-01	3.30100E-01	2.58040E-01	9.84140E-01
6.93150E+02	7.79550E-01	3.30180E-01	2.57390E-01	9.81690E-01
6.93200E+02	7.77290E-01	3.30260E-01	2.56700E-01	9.79060E-01
6.93250E+02	7.74880E-01	3.30330E-01	2.55970E-01	9.76250E-01
6.93300E+02	7.72330E-01	3.30410E-01	2.55180E-01	9.73270E-01
6.93350E+02	7.69650E-01	3.30480E-01	2.54360E-01	9.70110E-01
6.93400E+02	7.66830E-01	3.30560E-01	2.53480E-01	9.66770E-01
6.93450E+02	7.63870E-01	3.30630E-01	2.52560E-01	9.63260E-01
6.93500E+02	7.60770E-01	3.30710E-01	2.51590E-01	9.59570E-01
6.93550E+02	7.57540E-01	3.30780E-01	2.50580E-01	9.55720E-01
6.93600E+02	7.54180E-01	3.30860E-01	2.49530E-01	9.51690E-01
6.93650E+02	7.50680E-01	3.30940E-01	2.48430E-01	9.47490E-01
6.93700E+02	7.47050E-01	3.31010E-01	2.47280E-01	9.43120E-01
6.93750E+02	7.43280E-01	3.31090E-01	2.46090E-01	9.38580E-01
6.93800E+02	7.39390E-01	3.31160E-01	2.44860E-01	9.33880E-01
6.93850E+02	7.35370E-01	3.31240E-01	2.43580E-01	9.29010E-01
6.93900E+02	7.31220E-01	3.31310E-01	2.42260E-01	9.23980E-01
6.93950E+02	7.26940E-01	3.31390E-01	2.40900E-01	9.18780E-01
6.94000E+02	7.22540E-01	3.31460E-01	2.39490E-01	9.13420E-01
6.94050E+02	7.18000E-01	3.31540E-01	2.38050E-01	9.07900E-01
6.94100E+02	7.13350E-01	3.31620E-01	2.36560E-01	9.02230E-01
6.94150E+02	7.08570E-01	3.31690E-01	2.35030E-01	8.96390E-01
6.94200E+02	7.03670E-01	3.31770E-01	2.33460E-01	8.90400E-01
6.94250E+02	6.98640E-01	3.31850E-01	2.31840E-01	8.84250E-01
6.94300E+02	6.93500E-01	3.31930E-01	2.30190E-01	8.77950E-01
6.94350E+02	6.88240E-01	3.32000E-01	2.28500E-01	8.71490E-01
6.94400E+02	6.82870E-01	3.32080E-01	2.26770E-01	8.64880E-01
6.94450E+02	6.77380E-01	3.32160E-01	2.25000E-01	8.58140E-01

6.94500E+02	6.71770E-01	3.32250E-01	2.23200E-01	8.51270E-01
6.94550E+02	6.66060E-01	3.32340E-01	2.21360E-01	8.44250E-01
6.94600E+02	6.60240E-01	3.32420E-01	2.19480E-01	8.37080E-01
6.94650E+02	6.54310E-01	3.32510E-01	2.17560E-01	8.29790E-01
6.94700E+02	6.48290E-01	3.32590E-01	2.15620E-01	8.22350E-01
6.94750E+02	6.42160E-01	3.32680E-01	2.13630E-01	8.14790E-01
6.94800E+02	6.35940E-01	3.32760E-01	2.11620E-01	8.07100E-01
6.94850E+02	6.29620E-01	3.32850E-01	2.09570E-01	7.99300E-01
6.94900E+02	6.23220E-01	3.32940E-01	2.07490E-01	7.91370E-01
6.94950E+02	6.16730E-01	3.33020E-01	2.05380E-01	7.83330E-01
6.95000E+02	6.10160E-01	3.33110E-01	2.03250E-01	7.75190E-01
6.95050E+02	6.03520E-01	3.33190E-01	2.01090E-01	7.66940E-01
6.95100E+02	5.96800E-01	3.33280E-01	1.98900E-01	7.58600E-01
6.95150E+02	5.90010E-01	3.33370E-01	1.96690E-01	7.50170E-01
6.95200E+02	5.83160E-01	3.33450E-01	1.94460E-01	7.41650E-01
6.95250E+02	5.76260E-01	3.33540E-01	1.92200E-01	7.33060E-01
6.95300E+02	5.69300E-01	3.33620E-01	1.89930E-01	7.24390E-01
6.95350E+02	5.62290E-01	3.33710E-01	1.87640E-01	7.15660E-01
6.95400E+02	5.55240E-01	3.33790E-01	1.85340E-01	7.06870E-01
6.95450E+02	5.48160E-01	3.33880E-01	1.83020E-01	6.98030E-01
6.95500E+02	5.41050E-01	3.33970E-01	1.80690E-01	6.89150E-01
6.95550E+02	5.33900E-01	3.34050E-01	1.78350E-01	6.80230E-01
6.95600E+02	5.26740E-01	3.34140E-01	1.76000E-01	6.71270E-01
6.95650E+02	5.19560E-01	3.34220E-01	1.73650E-01	6.62300E-01
6.95700E+02	5.12380E-01	3.34310E-01	1.71290E-01	6.53300E-01
6.95750E+02	5.05190E-01	3.34390E-01	1.68930E-01	6.44300E-01
6.95800E+02	4.97990E-01	3.34480E-01	1.66570E-01	6.35290E-01
6.95850E+02	4.90810E-01	3.34570E-01	1.64210E-01	6.26290E-01
6.95900E+02	4.83640E-01	3.34650E-01	1.61850E-01	6.17290E-01
6.95950E+02	4.76480E-01	3.34740E-01	1.59500E-01	6.08310E-01
6.96000E+02	4.69340E-01	3.34820E-01	1.57150E-01	5.99350E-01
6.96050E+02	4.62230E-01	3.34900E-01	1.54800E-01	5.90410E-01
6.96100E+02	4.55150E-01	3.34980E-01	1.52460E-01	5.81500E-01
6.96150E+02	4.48100E-01	3.35060E-01	1.50140E-01	5.72620E-01
6.96200E+02	4.41080E-01	3.35130E-01	1.47820E-01	5.63790E-01
6.96250E+02	4.34100E-01	3.35210E-01	1.45520E-01	5.55000E-01
6.96300E+02	4.27170E-01	3.35290E-01	1.43230E-01	5.46260E-01
6.96350E+02	4.20280E-01	3.35370E-01	1.40950E-01	5.37580E-01
6.96400E+02	4.13440E-01	3.35450E-01	1.38690E-01	5.28960E-01
6.96450E+02	4.06640E-01	3.35540E-01	1.36450E-01	5.20400E-01
6.96500E+02	3.99900E-01	3.35630E-01	1.34220E-01	5.11900E-01
6.96550E+02	3.93210E-01	3.35710E-01	1.32010E-01	5.03470E-01
6.96600E+02	3.86580E-01	3.35800E-01	1.29810E-01	4.95090E-01

6.96650E+02	3.79990E-01	3.35880E-01	1.27630E-01	4.86790E-01
6.96700E+02	3.73470E-01	3.35970E-01	1.25470E-01	4.78550E-01
6.96750E+02	3.67000E-01	3.36050E-01	1.23330E-01	4.70380E-01
6.96800E+02	3.60580E-01	3.36140E-01	1.21200E-01	4.62270E-01
6.96850E+02	3.54220E-01	3.36220E-01	1.19100E-01	4.54240E-01
6.96900E+02	3.47920E-01	3.36310E-01	1.17010E-01	4.46270E-01
6.96950E+02	3.41680E-01	3.36390E-01	1.14940E-01	4.38370E-01
6.97000E+02	3.35490E-01	3.36480E-01	1.12890E-01	4.30550E-01
6.97050E+02	3.29370E-01	3.36570E-01	1.10850E-01	4.22790E-01
6.97100E+02	3.23300E-01	3.36650E-01	1.08840E-01	4.15110E-01
6.97150E+02	3.17290E-01	3.36740E-01	1.06840E-01	4.07500E-01
6.97200E+02	3.11340E-01	3.36820E-01	1.04870E-01	3.99960E-01
6.97250E+02	3.05460E-01	3.36910E-01	1.02910E-01	3.92500E-01
6.97300E+02	2.99630E-01	3.36990E-01	1.00970E-01	3.85110E-01
6.97350E+02	2.93870E-01	3.37080E-01	9.90570E-02	3.77800E-01
6.97400E+02	2.88170E-01	3.37170E-01	9.71620E-02	3.70570E-01
6.97450E+02	2.82540E-01	3.37250E-01	9.52880E-02	3.63420E-01
6.97500E+02	2.76980E-01	3.37340E-01	9.34350E-02	3.56360E-01
6.97550E+02	2.71490E-01	3.37420E-01	9.16050E-02	3.49380E-01
6.97600E+02	2.66070E-01	3.37510E-01	8.97990E-02	3.42490E-01
6.97650E+02	2.60720E-01	3.37600E-01	8.80170E-02	3.35700E-01
6.97700E+02	2.55450E-01	3.37680E-01	8.62600E-02	3.28990E-01
6.97750E+02	2.50260E-01	3.37770E-01	8.45280E-02	3.22390E-01
6.97800E+02	2.45150E-01	3.37850E-01	8.28230E-02	3.15890E-01
6.97850E+02	2.40120E-01	3.37940E-01	8.11450E-02	3.09480E-01
6.97900E+02	2.35170E-01	3.38020E-01	7.94950E-02	3.03190E-01
6.97950E+02	2.30320E-01	3.38110E-01	7.78730E-02	2.97010E-01
6.98000E+02	2.25550E-01	3.38190E-01	7.62800E-02	2.90930E-01
6.98050E+02	2.20870E-01	3.38240E-01	7.47090E-02	2.84940E-01
6.98100E+02	2.16290E-01	3.38290E-01	7.31670E-02	2.79060E-01
6.98150E+02	2.11790E-01	3.38330E-01	7.16560E-02	2.73290E-01
6.98200E+02	2.07390E-01	3.38380E-01	7.01750E-02	2.67650E-01
6.98250E+02	2.03080E-01	3.38420E-01	6.87260E-02	2.62120E-01
6.98300E+02	1.98860E-01	3.38470E-01	6.73070E-02	2.56710E-01
6.98350E+02	1.94730E-01	3.38520E-01	6.59200E-02	2.51420E-01
6.98400E+02	1.90690E-01	3.38570E-01	6.45630E-02	2.46240E-01
6.98450E+02	1.86740E-01	3.38620E-01	6.32360E-02	2.41180E-01
6.98500E+02	1.82880E-01	3.38670E-01	6.19370E-02	2.36230E-01
6.98550E+02	1.79100E-01	3.38720E-01	6.06670E-02	2.31380E-01
6.98600E+02	1.75410E-01	3.38770E-01	5.94250E-02	2.26640E-01
6.98650E+02	1.71800E-01	3.38830E-01	5.82090E-02	2.22010E-01
6.98700E+02	1.68260E-01	3.38880E-01	5.70190E-02	2.17470E-01
6.98750E+02	1.64800E-01	3.38930E-01	5.58540E-02	2.13030E-01

6.98800E+02	1.61410E-01	3.38980E-01	5.47130E-02	2.08670E-01
6.98850E+02	1.58080E-01	3.39030E-01	5.35950E-02	2.04410E-01
6.98900E+02	1.54830E-01	3.39080E-01	5.24980E-02	2.00230E-01
6.98950E+02	1.51630E-01	3.39130E-01	5.14220E-02	1.96120E-01
6.99000E+02	1.48490E-01	3.39180E-01	5.03660E-02	1.92100E-01
6.99050E+02	1.45410E-01	3.39230E-01	4.93290E-02	1.88140E-01
6.99100E+02	1.42390E-01	3.39280E-01	4.83100E-02	1.84250E-01
6.99150E+02	1.39420E-01	3.39330E-01	4.73090E-02	1.80440E-01
6.99200E+02	1.36500E-01	3.39380E-01	4.63260E-02	1.76680E-01
6.99250E+02	1.33630E-01	3.39430E-01	4.53580E-02	1.72990E-01
6.99300E+02	1.30810E-01	3.39490E-01	4.44060E-02	1.69360E-01
6.99350E+02	1.28030E-01	3.39540E-01	4.34710E-02	1.65800E-01
6.99400E+02	1.25300E-01	3.39590E-01	4.25520E-02	1.62290E-01
6.99450E+02	1.22630E-01	3.39640E-01	4.16480E-02	1.58840E-01
6.99500E+02	1.19990E-01	3.39690E-01	4.07600E-02	1.55460E-01
6.99550E+02	1.17410E-01	3.39740E-01	3.98890E-02	1.52140E-01
6.99600E+02	1.14880E-01	3.39790E-01	3.90340E-02	1.48870E-01
6.99650E+02	1.12390E-01	3.39840E-01	3.81960E-02	1.45680E-01
6.99700E+02	1.09960E-01	3.39890E-01	3.73750E-02	1.42550E-01
6.99750E+02	1.07580E-01	3.39940E-01	3.65720E-02	1.39480E-01
6.99800E+02	1.05260E-01	3.39990E-01	3.57870E-02	1.36490E-01
6.99850E+02	1.02990E-01	3.40040E-01	3.50200E-02	1.33570E-01
6.99900E+02	1.00780E-01	3.40090E-01	3.42720E-02	1.30710E-01
6.99950E+02	9.86190E-02	3.40140E-01	3.35440E-02	1.27940E-01
7.00000E+02	9.65210E-02	3.40190E-01	3.28350E-02	1.25230E-01
7.00050E+02	9.44810E-02	3.40260E-01	3.21480E-02	1.22610E-01
7.00100E+02	9.25010E-02	3.40330E-01	3.14800E-02	1.20070E-01
7.00150E+02	9.05780E-02	3.40390E-01	3.08320E-02	1.17590E-01
7.00200E+02	8.87140E-02	3.40460E-01	3.02040E-02	1.15200E-01
7.00250E+02	8.69070E-02	3.40540E-01	2.95960E-02	1.12880E-01
7.00300E+02	8.51560E-02	3.40620E-01	2.90060E-02	1.10630E-01
7.00350E+02	8.34590E-02	3.40700E-01	2.84350E-02	1.08450E-01
7.00400E+02	8.18150E-02	3.40780E-01	2.78810E-02	1.06340E-01
7.00450E+02	8.02210E-02	3.40860E-01	2.73440E-02	1.04290E-01
7.00500E+02	7.86750E-02	3.40940E-01	2.68230E-02	1.02300E-01
7.00550E+02	7.71730E-02	3.41010E-01	2.63170E-02	1.00370E-01
7.00600E+02	7.57130E-02	3.41090E-01	2.58250E-02	9.84970E-02
7.00650E+02	7.42920E-02	3.41170E-01	2.53460E-02	9.66700E-02
7.00700E+02	7.29070E-02	3.41250E-01	2.48790E-02	9.48890E-02
7.00750E+02	7.15530E-02	3.41330E-01	2.44230E-02	9.31480E-02
7.00800E+02	7.02280E-02	3.41400E-01	2.39760E-02	9.14450E-02
7.00850E+02	6.89300E-02	3.41480E-01	2.35380E-02	8.97740E-02
7.00900E+02	6.76540E-02	3.41560E-01	2.31080E-02	8.81320E-02

7.00950E+02	6.63980E-02	3.41640E-01	2.26840E-02	8.65160E-02
7.01000E+02	6.51600E-02	3.41710E-01	2.22660E-02	8.49210E-02
7.01050E+02	6.39370E-02	3.41790E-01	2.18530E-02	8.33460E-02
7.01100E+02	6.27280E-02	3.41860E-01	2.14440E-02	8.17880E-02
7.01150E+02	6.15310E-02	3.41940E-01	2.10400E-02	8.02460E-02
7.01200E+02	6.03450E-02	3.42020E-01	2.06390E-02	7.87170E-02
7.01250E+02	5.91700E-02	3.42090E-01	2.02420E-02	7.72010E-02
7.01300E+02	5.80050E-02	3.42170E-01	1.98470E-02	7.56970E-02
7.01350E+02	5.68500E-02	3.42240E-01	1.94570E-02	7.42070E-02
7.01400E+02	5.57060E-02	3.42320E-01	1.90690E-02	7.27300E-02
7.01450E+02	5.45730E-02	3.42400E-01	1.86860E-02	7.12670E-02
7.01500E+02	5.34540E-02	3.42470E-01	1.83060E-02	6.98200E-02
7.01550E+02	5.23480E-02	3.42550E-01	1.79310E-02	6.83900E-02
7.01600E+02	5.12570E-02	3.42620E-01	1.75620E-02	6.69800E-02
7.01650E+02	5.01840E-02	3.42700E-01	1.71980E-02	6.55920E-02
7.01700E+02	4.91290E-02	3.42770E-01	1.68400E-02	6.42280E-02
7.01750E+02	4.80950E-02	3.42850E-01	1.64890E-02	6.28900E-02
7.01800E+02	4.70830E-02	3.42920E-01	1.61460E-02	6.15800E-02
7.01850E+02	4.60950E-02	3.43000E-01	1.58100E-02	6.03010E-02
7.01900E+02	4.51320E-02	3.43070E-01	1.54840E-02	5.90540E-02
7.01950E+02	4.41950E-02	3.43150E-01	1.51650E-02	5.78410E-02
7.02000E+02	4.32860E-02	3.43220E-01	1.48570E-02	5.66630E-02
7.02050E+02	4.24050E-02	3.43280E-01	1.45570E-02	5.55190E-02
7.02100E+02	4.15520E-02	3.43340E-01	1.42660E-02	5.44120E-02
7.02150E+02	4.07280E-02	3.43390E-01	1.39860E-02	5.33420E-02
7.02200E+02	3.99320E-02	3.43460E-01	1.37150E-02	5.23090E-02
7.02250E+02	3.91640E-02	3.43520E-01	1.34540E-02	5.13120E-02
7.02300E+02	3.84230E-02	3.43580E-01	1.32010E-02	5.03500E-02
7.02350E+02	3.77070E-02	3.43640E-01	1.29580E-02	4.94210E-02
7.02400E+02	3.70160E-02	3.43710E-01	1.27230E-02	4.85240E-02
7.02450E+02	3.63470E-02	3.43770E-01	1.24950E-02	4.76560E-02
7.02500E+02	3.57000E-02	3.43830E-01	1.22750E-02	4.68150E-02
7.02550E+02	3.50710E-02	3.43890E-01	1.20610E-02	4.59990E-02
7.02600E+02	3.44590E-02	3.43960E-01	1.18520E-02	4.52040E-02
7.02650E+02	3.38620E-02	3.44020E-01	1.16490E-02	4.44290E-02
7.02700E+02	3.32770E-02	3.44080E-01	1.14500E-02	4.36700E-02
7.02750E+02	3.27040E-02	3.44140E-01	1.12550E-02	4.29250E-02
7.02800E+02	3.21390E-02	3.44200E-01	1.10620E-02	4.21920E-02
7.02850E+02	3.15820E-02	3.44260E-01	1.08730E-02	4.14680E-02
7.02900E+02	3.10310E-02	3.44330E-01	1.06850E-02	4.07520E-02
7.02950E+02	3.04850E-02	3.44390E-01	1.04990E-02	4.00410E-02
7.03000E+02	2.99420E-02	3.44450E-01	1.03140E-02	3.93360E-02
7.03050E+02	2.94030E-02	3.44510E-01	1.01300E-02	3.86340E-02

7.03100E+02	2.88670E-02	3.44570E-01	9.94670E-03	3.79360E-02
7.03150E+02	2.83330E-02	3.44630E-01	9.76460E-03	3.72420E-02
7.03200E+02	2.78030E-02	3.44690E-01	9.58350E-03	3.65510E-02
7.03250E+02	2.72760E-02	3.44750E-01	9.40360E-03	3.58650E-02
7.03300E+02	2.67540E-02	3.44820E-01	9.22510E-03	3.51840E-02
7.03350E+02	2.62360E-02	3.44880E-01	9.04830E-03	3.45100E-02
7.03400E+02	2.57260E-02	3.44940E-01	8.87380E-03	3.38440E-02
7.03450E+02	2.52230E-02	3.45000E-01	8.70180E-03	3.31880E-02
7.03500E+02	2.47280E-02	3.45060E-01	8.53280E-03	3.25440E-02
7.03550E+02	2.42450E-02	3.45120E-01	8.36740E-03	3.19130E-02
7.03600E+02	2.37730E-02	3.45180E-01	8.20600E-03	3.12970E-02
7.03650E+02	2.33140E-02	3.45240E-01	8.04890E-03	3.06980E-02
7.03700E+02	2.28690E-02	3.45300E-01	7.89660E-03	3.01180E-02
7.03750E+02	2.24380E-02	3.45360E-01	7.74940E-03	2.95560E-02
7.03800E+02	2.20240E-02	3.45430E-01	7.60770E-03	2.90150E-02
7.03850E+02	2.16260E-02	3.45490E-01	7.47140E-03	2.84960E-02
7.03900E+02	2.12440E-02	3.45550E-01	7.34080E-03	2.79980E-02
7.03950E+02	2.08790E-02	3.45610E-01	7.21580E-03	2.75210E-02
7.04000E+02	2.05290E-02	3.45670E-01	7.09630E-03	2.70650E-02
7.04050E+02	2.01950E-02	3.45700E-01	6.98160E-03	2.66280E-02
7.04100E+02	1.98760E-02	3.45740E-01	6.87180E-03	2.62090E-02
7.04150E+02	1.95700E-02	3.45770E-01	6.76660E-03	2.58080E-02
7.04200E+02	1.92750E-02	3.45800E-01	6.66550E-03	2.54220E-02
7.04250E+02	1.89910E-02	3.45840E-01	6.56790E-03	2.50500E-02
7.04300E+02	1.87160E-02	3.45870E-01	6.47320E-03	2.46880E-02
7.04350E+02	1.84460E-02	3.45900E-01	6.38060E-03	2.43360E-02
7.04400E+02	1.81810E-02	3.45940E-01	6.28970E-03	2.39890E-02
7.04450E+02	1.79190E-02	3.45970E-01	6.19960E-03	2.36450E-02
7.04500E+02	1.76580E-02	3.46000E-01	6.10960E-03	2.33020E-02
7.04550E+02	1.73950E-02	3.46040E-01	6.01930E-03	2.29570E-02
7.04600E+02	1.71290E-02	3.46070E-01	5.92790E-03	2.26090E-02
7.04650E+02	1.68590E-02	3.46100E-01	5.83500E-03	2.22540E-02
7.04700E+02	1.65830E-02	3.46140E-01	5.74010E-03	2.18930E-02
7.04750E+02	1.63010E-02	3.46170E-01	5.64290E-03	2.15220E-02
7.04800E+02	1.60120E-02	3.46200E-01	5.54330E-03	2.11420E-02
7.04850E+02	1.57150E-02	3.46240E-01	5.44110E-03	2.07520E-02
7.04900E+02	1.54110E-02	3.46270E-01	5.33630E-03	2.03520E-02
7.04950E+02	1.51000E-02	3.46300E-01	5.22900E-03	1.99430E-02
7.05000E+02	1.47830E-02	3.46330E-01	5.11970E-03	1.95260E-02
7.05050E+02	1.44600E-02	3.46370E-01	5.00860E-03	1.91030E-02
7.05100E+02	1.41350E-02	3.46400E-01	4.89620E-03	1.86740E-02
7.05150E+02	1.38070E-02	3.46430E-01	4.78310E-03	1.82430E-02
7.05200E+02	1.34790E-02	3.46460E-01	4.66990E-03	1.78110E-02

7.05250E+02	1.31530E-02	3.46500E-01	4.55740E-03	1.73820E-02
7.05300E+02	1.28310E-02	3.46530E-01	4.44620E-03	1.69580E-02
7.05350E+02	1.25150E-02	3.46560E-01	4.33730E-03	1.65420E-02
7.05400E+02	1.22080E-02	3.46590E-01	4.23130E-03	1.61380E-02
7.05450E+02	1.19120E-02	3.46630E-01	4.12900E-03	1.57480E-02
7.05500E+02	1.16290E-02	3.46660E-01	4.03110E-03	1.53750E-02
7.05550E+02	1.13590E-02	3.46690E-01	3.93820E-03	1.50200E-02
7.05600E+02	1.13950E-02	3.46720E-01	3.95090E-03	1.50680E-02
7.05650E+02	1.11740E-02	3.46750E-01	3.87460E-03	1.47780E-02
7.05700E+02	1.09660E-02	3.46790E-01	3.80270E-03	1.45030E-02
7.05750E+02	1.07700E-02	3.46820E-01	3.73530E-03	1.42460E-02
7.05800E+02	1.05870E-02	3.46850E-01	3.67220E-03	1.40060E-02
7.05850E+02	1.04170E-02	3.46880E-01	3.61350E-03	1.37820E-02
7.05900E+02	1.02590E-02	3.46910E-01	3.55900E-03	1.35740E-02
7.05950E+02	1.01130E-02	3.46940E-01	3.50850E-03	1.33810E-02
7.06000E+02	9.97680E-03	3.46970E-01	3.46170E-03	1.32030E-02
7.06050E+02	9.85050E-03	3.47030E-01	3.41840E-03	1.30380E-02
7.06100E+02	9.73250E-03	3.47080E-01	3.37800E-03	1.28840E-02
7.06150E+02	9.62140E-03	3.47140E-01	3.33990E-03	1.27380E-02
7.06200E+02	9.51560E-03	3.47190E-01	3.30380E-03	1.26000E-02
7.06250E+02	9.41380E-03	3.47250E-01	3.26890E-03	1.24680E-02
7.06300E+02	9.31420E-03	3.47300E-01	3.23480E-03	1.23380E-02
7.06350E+02	9.21510E-03	3.47360E-01	3.20090E-03	1.22080E-02
7.06400E+02	9.11510E-03	3.47410E-01	3.16670E-03	1.20780E-02
7.06450E+02	9.01260E-03	3.47460E-01	3.13160E-03	1.19440E-02
7.06500E+02	8.90620E-03	3.47520E-01	3.09510E-03	1.18040E-02
7.06550E+02	8.79450E-03	3.47570E-01	3.05670E-03	1.16580E-02
7.06600E+02	8.67660E-03	3.47630E-01	3.01620E-03	1.15040E-02
7.06650E+02	8.55150E-03	3.47680E-01	2.97320E-03	1.13400E-02
7.06700E+02	8.41850E-03	3.47730E-01	2.92740E-03	1.11650E-02
7.06750E+02	8.27710E-03	3.47790E-01	2.87870E-03	1.09790E-02
7.06800E+02	8.12710E-03	3.47840E-01	2.82690E-03	1.07820E-02
7.06850E+02	7.96840E-03	3.47900E-01	2.77220E-03	1.05730E-02
7.06900E+02	7.80140E-03	3.47950E-01	2.71450E-03	1.03530E-02
7.06950E+02	7.62630E-03	3.48000E-01	2.65400E-03	1.01220E-02
7.07000E+02	7.44400E-03	3.48060E-01	2.59090E-03	9.88180E-03
7.07050E+02	7.25520E-03	3.48110E-01	2.52560E-03	9.63260E-03
7.07100E+02	7.06100E-03	3.48160E-01	2.45840E-03	9.37620E-03
7.07150E+02	6.86240E-03	3.48220E-01	2.38960E-03	9.11390E-03
7.07200E+02	6.66080E-03	3.48270E-01	2.31980E-03	8.84750E-03
7.07250E+02	6.45740E-03	3.48320E-01	2.24930E-03	8.57860E-03
7.07300E+02	6.25360E-03	3.48380E-01	2.17860E-03	8.30910E-03
7.07350E+02	6.05070E-03	3.48430E-01	2.10820E-03	8.04080E-03

7.07400E+02	5.85010E-03	3.48480E-01	2.03870E-03	7.77540E-03
7.07450E+02	5.65310E-03	3.48540E-01	1.97030E-03	7.51470E-03
7.07500E+02	5.46080E-03	3.48590E-01	1.90360E-03	7.26020E-03
7.07550E+02	5.27430E-03	3.48640E-01	1.83880E-03	7.01330E-03
7.07600E+02	5.09460E-03	3.48690E-01	1.77650E-03	6.77540E-03
7.07650E+02	4.92250E-03	3.48750E-01	1.71670E-03	6.54750E-03
7.07700E+02	4.75860E-03	3.48800E-01	1.65980E-03	6.33040E-03
7.07750E+02	4.60330E-03	3.48850E-01	1.60590E-03	6.12480E-03
7.07800E+02	4.45710E-03	3.48910E-01	1.55510E-03	5.93120E-03
7.07850E+02	4.32000E-03	3.48960E-01	1.50750E-03	5.74960E-03
7.07900E+02	4.19190E-03	3.49010E-01	1.46310E-03	5.58000E-03
7.07950E+02	4.07290E-03	3.49060E-01	1.42170E-03	5.42230E-03
7.08000E+02	3.96240E-03	3.49110E-01	1.38330E-03	5.27590E-03
7.08050E+02	3.86010E-03	3.49160E-01	1.34780E-03	5.14040E-03
7.08100E+02	3.76540E-03	3.49210E-01	1.31490E-03	5.01500E-03
7.08150E+02	3.67780E-03	3.49250E-01	1.28450E-03	4.89910E-03
7.08200E+02	3.59670E-03	3.49300E-01	1.25630E-03	4.79160E-03
7.08250E+02	3.52130E-03	3.49350E-01	1.23020E-03	4.69190E-03
7.08300E+02	3.45110E-03	3.49400E-01	1.20580E-03	4.59890E-03
7.08350E+02	3.38530E-03	3.49450E-01	1.18300E-03	4.51190E-03
7.08400E+02	3.32340E-03	3.49490E-01	1.16150E-03	4.43000E-03
7.08450E+02	3.26490E-03	3.49540E-01	1.14120E-03	4.35260E-03
7.08500E+02	3.20930E-03	3.49590E-01	1.12190E-03	4.27900E-03
7.08550E+02	3.15610E-03	3.49640E-01	1.10350E-03	4.20870E-03
7.08600E+02	3.10520E-03	3.49690E-01	1.08580E-03	4.14140E-03
7.08650E+02	3.05620E-03	3.49730E-01	1.06890E-03	4.07670E-03
7.08700E+02	3.00920E-03	3.49780E-01	1.05260E-03	4.01440E-03
7.08750E+02	2.96390E-03	3.49830E-01	1.03690E-03	3.95460E-03
7.08800E+02	2.92060E-03	3.49880E-01	1.02190E-03	3.89730E-03
7.08850E+02	2.87920E-03	3.49930E-01	1.00750E-03	3.84260E-03
7.08900E+02	2.83990E-03	3.49980E-01	9.93900E-04	3.79070E-03
7.08950E+02	2.80290E-03	3.50020E-01	9.81080E-04	3.74180E-03
7.09000E+02	2.76840E-03	3.50070E-01	9.69130E-04	3.69620E-03
7.09050E+02	2.73650E-03	3.50120E-01	9.58110E-04	3.65420E-03
7.09100E+02	2.70760E-03	3.50170E-01	9.48090E-04	3.61600E-03
7.09150E+02	2.68160E-03	3.50210E-01	9.39130E-04	3.58180E-03
7.09200E+02	2.65880E-03	3.50260E-01	9.31270E-04	3.55180E-03
7.09250E+02	2.63920E-03	3.50310E-01	9.24520E-04	3.52610E-03
7.09300E+02	2.62270E-03	3.50350E-01	9.18870E-04	3.50460E-03
7.09350E+02	2.60930E-03	3.50400E-01	9.14310E-04	3.48720E-03
7.09400E+02	2.59880E-03	3.50450E-01	9.10760E-04	3.47360E-03
7.09450E+02	2.59100E-03	3.50500E-01	9.08140E-04	3.46360E-03
7.09500E+02	2.58550E-03	3.50540E-01	9.06330E-04	3.45670E-03

7.09550E+02	2.58190E-03	3.50590E-01	9.05180E-04	3.45230E-03
7.09600E+02	2.57970E-03	3.50640E-01	9.04530E-04	3.44990E-03
7.09650E+02	2.57840E-03	3.50680E-01	9.04190E-04	3.44860E-03
7.09700E+02	2.57740E-03	3.50730E-01	9.03960E-04	3.44770E-03
7.09750E+02	2.57610E-03	3.50780E-01	9.03630E-04	3.44640E-03
7.09800E+02	2.57390E-03	3.50830E-01	9.02980E-04	3.44400E-03
7.09850E+02	2.57020E-03	3.50870E-01	9.01820E-04	3.43950E-03
7.09900E+02	2.56450E-03	3.50920E-01	8.99930E-04	3.43230E-03
7.09950E+02	2.55620E-03	3.50960E-01	8.97150E-04	3.42170E-03
7.10000E+02	2.54500E-03	3.51010E-01	8.93320E-04	3.40710E-03
7.10050E+02	2.53040E-03	3.51020E-01	8.88230E-04	3.38770E-03
7.10100E+02	2.51220E-03	3.51030E-01	8.81880E-04	3.36350E-03
7.10150E+02	2.49020E-03	3.51050E-01	8.74180E-04	3.33410E-03
7.10200E+02	2.46430E-03	3.51060E-01	8.65130E-04	3.29960E-03
7.10250E+02	2.43460E-03	3.51080E-01	8.54720E-04	3.25990E-03
7.10300E+02	2.40110E-03	3.51090E-01	8.43010E-04	3.21520E-03
7.10350E+02	2.36420E-03	3.51100E-01	8.30070E-04	3.16590E-03
7.10400E+02	2.32400E-03	3.51120E-01	8.16000E-04	3.11220E-03
7.10450E+02	2.28110E-03	3.51130E-01	8.00950E-04	3.05480E-03
7.10500E+02	2.23580E-03	3.51140E-01	7.85070E-04	2.99430E-03
7.10550E+02	2.18860E-03	3.51160E-01	7.68540E-04	2.93120E-03
7.10600E+02	2.14010E-03	3.51170E-01	7.51540E-04	2.86630E-03
7.10650E+02	2.09080E-03	3.51180E-01	7.34240E-04	2.80040E-03
7.10700E+02	2.04120E-03	3.51200E-01	7.16850E-04	2.73400E-03
7.10750E+02	1.99180E-03	3.51210E-01	6.99530E-04	2.66800E-03
7.10800E+02	1.94310E-03	3.51220E-01	6.82450E-04	2.60290E-03
7.10850E+02	1.89550E-03	3.51240E-01	6.65760E-04	2.53920E-03
7.10900E+02	1.84930E-03	3.51250E-01	6.49570E-04	2.47750E-03
7.10950E+02	1.80490E-03	3.51260E-01	6.33990E-04	2.41800E-03
7.11000E+02	1.76230E-03	3.51280E-01	6.19060E-04	2.36110E-03
7.11050E+02	1.72170E-03	3.51290E-01	6.04820E-04	2.30680E-03
7.11100E+02	1.68310E-03	3.51300E-01	5.91280E-04	2.25510E-03
7.11150E+02	1.64640E-03	3.51310E-01	5.78400E-04	2.20600E-03
7.11200E+02	1.61140E-03	3.51320E-01	5.66120E-04	2.15920E-03
7.11250E+02	1.57790E-03	3.51330E-01	5.54360E-04	2.11430E-03
7.11300E+02	1.54550E-03	3.51340E-01	5.42990E-04	2.07100E-03
7.11350E+02	1.51390E-03	3.51360E-01	5.31910E-04	2.02870E-03
7.11400E+02	1.48270E-03	3.51370E-01	5.20980E-04	1.98700E-03
7.11450E+02	1.45160E-03	3.51380E-01	5.10070E-04	1.94540E-03
7.11500E+02	1.42020E-03	3.51390E-01	4.99040E-04	1.90330E-03
7.11550E+02	1.38810E-03	3.51400E-01	4.87790E-04	1.86040E-03
7.11600E+02	1.35510E-03	3.51410E-01	4.76210E-04	1.81630E-03
7.11650E+02	1.32100E-03	3.51420E-01	4.64230E-04	1.77060E-03

7.11700E+02	1.28560E-03	3.51430E-01	4.51810E-04	1.72320E-03
7.11750E+02	1.24900E-03	3.51450E-01	4.38950E-04	1.67410E-03
7.11800E+02	1.21110E-03	3.51460E-01	4.25640E-04	1.62340E-03
7.11850E+02	1.17210E-03	3.51460E-01	4.11960E-04	1.57120E-03
7.11900E+02	1.13240E-03	3.51470E-01	3.98000E-04	1.51800E-03
7.11950E+02	1.09220E-03	3.51480E-01	3.83880E-04	1.46410E-03
7.12000E+02	1.05200E-03	3.51490E-01	3.69750E-04	1.41020E-03
7.12050E+02	1.01220E-03	3.51480E-01	3.55770E-04	1.35690E-03
7.12100E+02	9.73420E-04	3.51480E-01	3.42140E-04	1.30490E-03
7.12150E+02	9.36160E-04	3.51480E-01	3.29040E-04	1.25500E-03
7.12200E+02	9.00960E-04	3.51480E-01	3.16670E-04	1.20780E-03
7.12250E+02	8.68380E-04	3.51480E-01	3.05220E-04	1.16410E-03
7.12300E+02	8.38890E-04	3.51480E-01	2.94850E-04	1.12460E-03
7.12350E+02	8.12960E-04	3.51470E-01	2.85730E-04	1.08980E-03
7.12400E+02	7.90940E-04	3.51470E-01	2.77990E-04	1.06030E-03
7.12450E+02	7.73120E-04	3.51470E-01	2.71730E-04	1.03640E-03
7.12500E+02	7.59660E-04	3.51470E-01	2.66990E-04	1.01830E-03
7.12550E+02	7.50600E-04	3.51470E-01	2.63810E-04	1.00620E-03
7.12600E+02	7.45850E-04	3.51460E-01	2.62140E-04	9.99790E-04
7.12650E+02	7.45160E-04	3.51460E-01	2.61900E-04	9.98870E-04
7.12700E+02	7.48170E-04	3.51460E-01	2.62950E-04	1.00290E-03
7.12750E+02	7.54340E-04	3.51460E-01	2.65120E-04	1.01120E-03
7.12800E+02	7.63040E-04	3.51460E-01	2.68170E-04	1.02280E-03
7.12850E+02	7.73490E-04	3.51460E-01	2.71850E-04	1.03680E-03
7.12900E+02	7.84850E-04	3.51450E-01	2.75840E-04	1.05200E-03
7.12950E+02	7.96210E-04	3.51450E-01	2.79830E-04	1.06730E-03
7.13000E+02	8.06610E-04	3.51450E-01	2.83480E-04	1.08120E-03
7.13050E+02	8.15100E-04	3.51450E-01	2.86460E-04	1.09260E-03
7.13100E+02	8.20770E-04	3.51450E-01	2.88460E-04	1.10020E-03
7.13150E+02	8.22800E-04	3.51440E-01	2.89170E-04	1.10290E-03
7.13200E+02	8.20440E-04	3.51440E-01	2.88340E-04	1.09970E-03
7.13250E+02	8.13100E-04	3.51440E-01	2.85760E-04	1.08990E-03
7.13300E+02	8.00340E-04	3.51440E-01	2.81270E-04	1.07280E-03
7.13350E+02	7.81890E-04	3.51440E-01	2.74780E-04	1.04800E-03
7.13400E+02	7.57680E-04	3.51440E-01	2.66280E-04	1.01560E-03
7.13450E+02	7.27860E-04	3.51430E-01	2.55790E-04	9.75590E-04
7.13500E+02	6.92780E-04	3.51430E-01	2.43470E-04	9.28570E-04
7.13550E+02	6.53480E-04	3.51430E-01	2.29650E-04	8.75890E-04
7.13600E+02	6.13730E-04	3.51430E-01	2.15680E-04	8.22610E-04
7.13650E+02	5.73920E-04	3.51430E-01	2.01690E-04	7.69240E-04
7.13700E+02	5.33620E-04	3.51430E-01	1.87530E-04	7.15230E-04
7.13750E+02	4.92480E-04	3.51430E-01	1.73070E-04	6.60090E-04
7.13800E+02	4.50320E-04	3.51430E-01	1.58250E-04	6.03580E-04

7.13850E+02	4.07600E-04	3.51430E-01	1.43240E-04	5.46330E-04
7.13900E+02	3.66190E-04	3.51430E-01	1.28690E-04	4.90830E-04
7.13950E+02	3.28510E-04	3.51440E-01	1.15450E-04	4.40320E-04
7.14000E+02	2.96370E-04	3.51440E-01	1.04160E-04	3.97250E-04
7.14050E+02	2.71170E-04	3.51410E-01	9.52900E-05	3.63430E-04
7.14100E+02	2.54000E-04	3.51370E-01	8.92490E-05	3.40400E-04
7.14150E+02	2.45740E-04	3.51340E-01	8.63390E-05	3.29290E-04
7.14200E+02	2.47000E-04	3.51310E-01	8.67750E-05	3.30960E-04
7.14250E+02	2.58140E-04	3.51280E-01	9.06790E-05	3.45850E-04
7.14300E+02	2.79210E-04	3.51250E-01	9.80730E-05	3.74050E-04
7.14350E+02	3.10000E-04	3.51220E-01	1.08880E-04	4.15250E-04
7.14400E+02	3.49960E-04	3.51180E-01	1.22900E-04	4.68740E-04
7.14450E+02	3.98290E-04	3.51150E-01	1.39860E-04	5.33430E-04
7.14500E+02	4.53890E-04	3.51120E-01	1.59370E-04	6.07840E-04
7.14550E+02	5.15390E-04	3.51090E-01	1.80950E-04	6.90130E-04
7.14600E+02	5.80760E-04	3.51060E-01	2.03880E-04	7.77590E-04
7.14650E+02	6.45240E-04	3.51020E-01	2.26500E-04	8.63850E-04
7.14700E+02	7.07520E-04	3.50990E-01	2.48330E-04	9.47140E-04
7.14750E+02	7.67180E-04	3.50960E-01	2.69250E-04	1.02690E-03
7.14800E+02	8.23880E-04	3.50930E-01	2.89120E-04	1.10270E-03
7.14850E+02	8.77220E-04	3.50900E-01	3.07820E-04	1.17400E-03
7.14900E+02	9.26330E-04	3.50870E-01	3.25020E-04	1.23960E-03
7.14950E+02	9.69140E-04	3.50830E-01	3.40000E-04	1.29680E-03
7.15000E+02	1.00320E-03	3.50800E-01	3.51920E-04	1.34220E-03
7.15050E+02	1.02680E-03	3.50770E-01	3.60170E-04	1.37370E-03
7.15100E+02	1.03900E-03	3.50740E-01	3.64420E-04	1.38990E-03
7.15150E+02	1.03920E-03	3.50700E-01	3.64460E-04	1.39000E-03
7.15200E+02	1.02730E-03	3.50670E-01	3.60250E-04	1.37400E-03
7.15250E+02	1.00360E-03	3.50640E-01	3.51910E-04	1.34220E-03
7.15300E+02	9.69100E-04	3.50610E-01	3.39770E-04	1.29590E-03
7.15350E+02	9.27750E-04	3.50580E-01	3.25240E-04	1.24050E-03
7.15400E+02	8.83670E-04	3.50540E-01	3.09760E-04	1.18140E-03
7.15450E+02	8.36890E-04	3.50510E-01	2.93340E-04	1.11880E-03
7.15500E+02	7.86900E-04	3.50480E-01	2.75790E-04	1.05190E-03
7.15550E+02	7.33230E-04	3.50450E-01	2.56960E-04	9.80030E-04
7.15600E+02	6.75520E-04	3.50410E-01	2.36710E-04	9.02820E-04
7.15650E+02	6.13780E-04	3.50380E-01	2.15060E-04	8.20230E-04
7.15700E+02	5.50540E-04	3.50360E-01	1.92890E-04	7.35660E-04
7.15750E+02	4.92250E-04	3.50330E-01	1.72450E-04	6.57730E-04
7.15800E+02	4.42350E-04	3.50310E-01	1.54960E-04	5.91020E-04
7.15850E+02	4.03140E-04	3.50290E-01	1.41220E-04	5.38590E-04
7.15900E+02	3.76520E-04	3.50260E-01	1.31880E-04	5.02980E-04
7.15950E+02	3.64000E-04	3.50240E-01	1.27490E-04	4.86230E-04

7.16000E+02	3.66760E-04	3.50210E-01	1.28440E-04	4.89880E-04
7.16050E+02	3.85520E-04	3.50230E-01	1.35020E-04	5.14970E-04
7.16100E+02	4.20560E-04	3.50250E-01	1.47300E-04	5.61810E-04
7.16150E+02	4.71720E-04	3.50260E-01	1.65230E-04	6.30180E-04
7.16200E+02	5.38350E-04	3.50280E-01	1.88570E-04	7.19220E-04
7.16250E+02	6.19340E-04	3.50300E-01	2.16950E-04	8.27460E-04
7.16300E+02	7.13110E-04	3.50320E-01	2.49810E-04	9.52780E-04
7.16350E+02	8.17380E-04	3.50330E-01	2.86350E-04	1.09210E-03
7.16400E+02	9.26980E-04	3.50350E-01	3.24770E-04	1.23860E-03
7.16450E+02	1.03660E-03	3.50370E-01	3.63190E-04	1.38520E-03
7.16500E+02	1.14520E-03	3.50380E-01	4.01270E-04	1.53040E-03
7.16550E+02	1.25240E-03	3.50400E-01	4.38840E-04	1.67370E-03
7.16600E+02	1.35790E-03	3.50420E-01	4.75830E-04	1.81480E-03
7.16650E+02	1.46150E-03	3.50430E-01	5.12170E-04	1.95340E-03
7.16700E+02	1.56300E-03	3.50450E-01	5.47750E-04	2.08910E-03
7.16750E+02	1.65960E-03	3.50470E-01	5.81630E-04	2.21830E-03
7.16800E+02	1.74500E-03	3.50480E-01	6.11600E-04	2.33260E-03
7.16850E+02	1.81620E-03	3.50500E-01	6.36590E-04	2.42790E-03
7.16900E+02	1.87150E-03	3.50520E-01	6.55980E-04	2.50190E-03
7.16950E+02	1.90960E-03	3.50530E-01	6.69370E-04	2.55300E-03
7.17000E+02	1.93000E-03	3.50550E-01	6.76550E-04	2.58040E-03
7.17050E+02	1.93260E-03	3.50570E-01	6.77510E-04	2.58400E-03
7.17100E+02	1.91790E-03	3.50580E-01	6.72380E-04	2.56450E-03
7.17150E+02	1.88680E-03	3.50600E-01	6.61520E-04	2.52300E-03
7.17200E+02	1.84080E-03	3.50610E-01	6.45430E-04	2.46160E-03
7.17250E+02	1.78180E-03	3.50630E-01	6.24770E-04	2.38280E-03
7.17300E+02	1.71210E-03	3.50650E-01	6.00340E-04	2.28970E-03
7.17350E+02	1.63420E-03	3.50660E-01	5.73050E-04	2.18560E-03
7.17400E+02	1.55110E-03	3.50680E-01	5.43930E-04	2.07450E-03
7.17450E+02	1.46580E-03	3.50690E-01	5.14040E-04	1.96050E-03
7.17500E+02	1.27370E-03	3.50710E-01	4.46690E-04	1.70370E-03
7.17550E+02	1.10510E-03	3.50720E-01	3.87600E-04	1.47830E-03
7.17600E+02	9.49040E-04	3.50750E-01	3.32880E-04	1.26960E-03
7.17650E+02	8.10680E-04	3.50790E-01	2.84380E-04	1.08460E-03
7.17700E+02	6.94900E-04	3.50820E-01	2.43790E-04	9.29800E-04
7.17750E+02	6.05710E-04	3.50860E-01	2.12520E-04	8.10540E-04
7.17800E+02	5.46500E-04	3.50890E-01	1.91760E-04	7.31380E-04
7.17850E+02	5.19870E-04	3.50920E-01	1.82430E-04	6.95800E-04
7.17900E+02	5.27630E-04	3.50960E-01	1.85170E-04	7.06250E-04
7.17950E+02	5.70950E-04	3.50990E-01	2.00400E-04	7.64310E-04
7.18000E+02	0.00000E+00	3.51020E-01	0	0
Channel 4				

Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.86300E+02	0.00000E+00	3.12860E-01	0.00000E+00	0.00000E+00
6.86400E+02	8.20000E-04	3.13190E-01	2.56820E-04	9.83310E-04
6.86500E+02	7.43910E-04	3.13530E-01	2.33240E-04	8.93020E-04
6.86600E+02	8.08230E-04	3.13860E-01	2.53670E-04	9.71260E-04
6.86700E+02	1.07040E-03	3.14190E-01	3.36310E-04	1.28770E-03
6.86800E+02	1.56690E-03	3.14530E-01	4.92840E-04	1.88700E-03
6.86900E+02	2.29870E-03	3.14870E-01	7.23800E-04	2.77130E-03
6.87000E+02	3.22450E-03	3.15200E-01	1.01640E-03	3.89150E-03
6.87100E+02	4.26410E-03	3.15540E-01	1.34550E-03	5.15160E-03
6.87200E+02	5.31160E-03	3.15870E-01	1.67780E-03	6.42390E-03
6.87300E+02	6.25550E-03	3.16210E-01	1.97800E-03	7.57360E-03
6.87400E+02	5.03040E-03	3.16540E-01	1.59240E-03	6.09680E-03
6.87500E+02	5.31670E-03	3.16880E-01	1.68480E-03	6.45060E-03
6.87600E+02	5.59530E-03	3.17210E-01	1.77490E-03	6.79580E-03
6.87700E+02	5.84920E-03	3.17550E-01	1.85740E-03	7.11170E-03
6.87800E+02	6.05930E-03	3.17880E-01	1.92620E-03	7.37490E-03
6.87900E+02	6.20830E-03	3.18220E-01	1.97560E-03	7.56420E-03
6.88000E+02	6.28520E-03	3.18550E-01	2.00210E-03	7.66590E-03
6.88100E+02	6.28920E-03	3.18970E-01	2.00600E-03	7.68070E-03
6.88200E+02	6.23200E-03	3.19380E-01	1.99040E-03	7.62070E-03
6.88300E+02	6.13770E-03	3.19790E-01	1.96280E-03	7.51520E-03
6.88400E+02	6.03980E-03	3.20210E-01	1.93400E-03	7.40490E-03
6.88500E+02	5.97640E-03	3.20620E-01	1.91620E-03	7.33670E-03
6.88600E+02	5.98400E-03	3.21040E-01	1.92110E-03	7.35540E-03
6.88700E+02	6.09080E-03	3.21440E-01	1.95780E-03	7.49620E-03
6.88800E+02	6.31200E-03	3.21840E-01	2.03150E-03	7.77810E-03
6.88900E+02	6.64700E-03	3.22240E-01	2.14200E-03	8.20120E-03
6.89000E+02	7.07970E-03	3.22650E-01	2.28420E-03	8.74590E-03
6.89100E+02	7.58200E-03	3.23040E-01	2.44930E-03	9.37810E-03
6.89200E+02	8.11980E-03	3.23440E-01	2.62630E-03	1.00560E-02
6.89300E+02	8.66000E-03	3.23840E-01	2.80450E-03	1.07380E-02
6.89400E+02	9.17770E-03	3.24240E-01	2.97580E-03	1.13940E-02
6.89500E+02	9.66140E-03	3.24640E-01	3.13650E-03	1.20090E-02
6.89600E+02	1.01160E-02	3.25040E-01	3.28790E-03	1.25890E-02
6.89700E+02	1.05600E-02	3.25430E-01	3.43660E-03	1.31580E-02
6.89800E+02	1.10250E-02	3.25830E-01	3.59240E-03	1.37550E-02
6.89900E+02	1.15470E-02	3.26230E-01	3.76700E-03	1.44230E-02
6.90000E+02	1.21580E-02	3.26620E-01	3.97110E-03	1.52040E-02
6.90100E+02	1.28810E-02	3.26720E-01	4.20840E-03	1.61130E-02

6.90200E+02	1.37230E-02	3.26820E-01	4.48480E-03	1.71720E-02
6.90300E+02	1.46750E-02	3.26920E-01	4.79760E-03	1.83690E-02
6.90400E+02	1.57140E-02	3.27020E-01	5.13880E-03	1.96750E-02
6.90500E+02	1.68040E-02	3.27120E-01	5.49690E-03	2.10470E-02
6.90600E+02	1.79070E-02	3.27210E-01	5.85940E-03	2.24350E-02
6.90700E+02	1.89880E-02	3.27310E-01	6.21480E-03	2.37950E-02
6.90800E+02	2.00220E-02	3.27400E-01	6.55540E-03	2.50990E-02
6.90900E+02	2.10030E-02	3.27500E-01	6.87850E-03	2.63360E-02
6.91000E+02	2.19390E-02	3.27590E-01	7.18720E-03	2.75180E-02
6.91100E+02	2.28560E-02	3.27680E-01	7.48970E-03	2.86770E-02
6.91200E+02	2.37910E-02	3.27780E-01	7.79820E-03	2.98580E-02
6.91300E+02	2.47850E-02	3.27870E-01	8.12630E-03	3.11140E-02
6.91400E+02	2.58790E-02	3.27960E-01	8.48710E-03	3.24960E-02
6.91500E+02	2.71040E-02	3.28050E-01	8.89130E-03	3.40430E-02
6.91600E+02	2.84810E-02	3.28140E-01	9.34570E-03	3.57830E-02
6.91700E+02	3.03400E-02	3.28230E-01	9.95850E-03	3.81290E-02
6.91800E+02	3.16790E-02	3.28320E-01	1.04010E-02	3.98220E-02
6.91900E+02	3.29330E-02	3.28410E-01	1.08160E-02	4.14110E-02
6.92000E+02	3.42130E-02	3.28500E-01	1.12390E-02	4.30310E-02
6.92100E+02	3.56190E-02	3.28630E-01	1.17060E-02	4.48180E-02
6.92200E+02	3.72280E-02	3.28760E-01	1.22390E-02	4.68610E-02
6.92300E+02	3.90760E-02	3.28900E-01	1.28520E-02	4.92080E-02
6.92400E+02	4.11680E-02	3.29030E-01	1.35450E-02	5.18630E-02
6.92500E+02	4.34790E-02	3.29170E-01	1.43120E-02	5.47970E-02
6.92600E+02	4.59790E-02	3.29320E-01	1.51420E-02	5.79760E-02
6.92700E+02	4.86470E-02	3.29480E-01	1.60280E-02	6.13690E-02
6.92800E+02	5.14900E-02	3.29640E-01	1.69730E-02	6.49870E-02
6.92900E+02	5.45480E-02	3.29790E-01	1.79900E-02	6.88790E-02
6.93000E+02	5.78940E-02	3.29950E-01	1.91020E-02	7.31390E-02
6.93100E+02	6.16230E-02	3.30100E-01	2.03420E-02	7.78860E-02
6.93200E+02	6.58320E-02	3.30260E-01	2.17410E-02	8.32440E-02
6.93300E+02	7.06020E-02	3.30410E-01	2.33270E-02	8.93160E-02
6.93400E+02	7.59780E-02	3.30560E-01	2.51150E-02	9.61610E-02
6.93500E+02	8.19630E-02	3.30710E-01	2.71060E-02	1.03780E-01
6.93600E+02	8.85120E-02	3.30860E-01	2.92850E-02	1.12130E-01
6.93700E+02	9.55500E-02	3.31010E-01	3.16280E-02	1.21100E-01
6.93800E+02	1.02990E-01	3.31160E-01	3.41050E-02	1.30580E-01
6.93900E+02	1.10740E-01	3.31310E-01	3.66880E-02	1.40470E-01
6.94000E+02	1.18760E-01	3.31460E-01	3.93640E-02	1.50720E-01
6.94100E+02	1.27060E-01	3.31620E-01	4.21340E-02	1.61320E-01
6.94200E+02	1.35700E-01	3.31770E-01	4.50210E-02	1.72380E-01
6.94300E+02	1.44810E-01	3.31930E-01	4.80660E-02	1.84040E-01
6.94400E+02	1.54550E-01	3.32080E-01	5.13250E-02	1.96510E-01

6.94500E+02	1.65120E-01	3.32250E-01	5.48620E-02	2.10060E-01
6.94600E+02	1.76690E-01	3.32420E-01	5.87360E-02	2.24890E-01
6.94700E+02	1.89400E-01	3.32590E-01	6.29940E-02	2.41190E-01
6.94800E+02	2.03330E-01	3.32760E-01	6.76620E-02	2.59070E-01
6.94900E+02	2.18500E-01	3.32940E-01	7.27470E-02	2.78540E-01
6.95000E+02	2.34850E-01	3.33110E-01	7.82300E-02	2.99530E-01
6.95100E+02	2.52260E-01	3.33280E-01	8.40730E-02	3.21900E-01
6.95200E+02	2.70580E-01	3.33450E-01	9.02250E-02	3.45450E-01
6.95300E+02	2.89630E-01	3.33620E-01	9.66280E-02	3.69970E-01
6.95400E+02	3.09260E-01	3.33790E-01	1.03230E-01	3.95240E-01
6.95500E+02	3.29300E-01	3.33970E-01	1.09980E-01	4.21080E-01
6.95600E+02	3.49670E-01	3.34140E-01	1.16840E-01	4.47350E-01
6.95700E+02	3.70270E-01	3.34310E-01	1.23780E-01	4.73950E-01
6.95800E+02	3.91060E-01	3.34480E-01	1.30800E-01	5.00820E-01
6.95900E+02	4.12010E-01	3.34650E-01	1.37880E-01	5.27920E-01
6.96000E+02	4.33080E-01	3.34820E-01	1.45000E-01	5.55200E-01
6.96100E+02	4.54220E-01	3.34980E-01	1.52150E-01	5.82570E-01
6.96200E+02	4.75350E-01	3.35130E-01	1.59310E-01	6.09960E-01
6.96300E+02	4.96370E-01	3.35290E-01	1.66430E-01	6.37230E-01
6.96400E+02	5.17150E-01	3.35450E-01	1.73480E-01	6.64230E-01
6.96500E+02	5.37540E-01	3.35630E-01	1.80410E-01	6.90770E-01
6.96600E+02	5.57390E-01	3.35800E-01	1.87170E-01	7.16630E-01
6.96700E+02	5.76530E-01	3.35970E-01	1.93700E-01	7.41630E-01
6.96800E+02	5.94860E-01	3.36140E-01	1.99960E-01	7.65590E-01
6.96900E+02	6.12260E-01	3.36310E-01	2.05910E-01	7.88380E-01
6.97000E+02	6.28650E-01	3.36480E-01	2.11530E-01	8.09900E-01
6.97100E+02	6.43970E-01	3.36650E-01	2.16790E-01	8.30070E-01
6.97200E+02	6.58200E-01	3.36820E-01	2.21700E-01	8.48840E-01
6.97300E+02	6.71320E-01	3.36990E-01	2.26230E-01	8.66190E-01
6.97400E+02	6.83280E-01	3.37170E-01	2.30380E-01	8.82080E-01
6.97500E+02	6.94080E-01	3.37340E-01	2.34140E-01	8.96480E-01
6.97600E+02	7.03680E-01	3.37510E-01	2.37500E-01	9.09350E-01
6.97700E+02	7.12060E-01	3.37680E-01	2.40450E-01	9.20640E-01
6.97800E+02	7.19180E-01	3.37850E-01	2.42980E-01	9.30310E-01
6.97900E+02	7.25020E-01	3.38020E-01	2.45070E-01	9.38340E-01
6.98000E+02	7.29580E-01	3.38190E-01	2.46740E-01	9.44730E-01
6.98100E+02	7.32890E-01	3.38290E-01	2.47930E-01	9.49260E-01
6.98200E+02	7.34990E-01	3.38380E-01	2.48700E-01	9.52240E-01
6.98300E+02	7.35980E-01	3.38470E-01	2.49110E-01	9.53780E-01
6.98400E+02	7.35960E-01	3.38570E-01	2.49180E-01	9.54050E-01
6.98500E+02	7.35080E-01	3.38670E-01	2.48950E-01	9.53190E-01
6.98600E+02	7.33490E-01	3.38770E-01	2.48490E-01	9.51410E-01
6.98700E+02	7.31330E-01	3.38880E-01	2.47830E-01	9.48900E-01

6.98800E+02	7.28770E-01	3.38980E-01	2.47040E-01	9.45860E-01
6.98900E+02	7.25930E-01	3.39080E-01	2.46150E-01	9.42460E-01
6.99000E+02	7.22930E-01	3.39180E-01	2.45200E-01	9.38840E-01
6.99100E+02	7.19830E-01	3.39280E-01	2.44230E-01	9.35100E-01
6.99200E+02	7.16700E-01	3.39380E-01	2.43240E-01	9.31310E-01
6.99300E+02	7.13560E-01	3.39490E-01	2.42240E-01	9.27500E-01
6.99400E+02	7.10410E-01	3.39590E-01	2.41250E-01	9.23690E-01
6.99500E+02	7.07250E-01	3.39690E-01	2.40250E-01	9.19860E-01
6.99600E+02	7.04080E-01	3.39790E-01	2.39240E-01	9.16000E-01
6.99700E+02	7.00890E-01	3.39890E-01	2.38220E-01	9.12120E-01
6.99800E+02	6.97690E-01	3.39990E-01	2.37210E-01	9.08220E-01
6.99900E+02	6.94530E-01	3.40090E-01	2.36200E-01	9.04380E-01
7.00000E+02	6.91460E-01	3.40190E-01	2.35230E-01	9.00640E-01
7.00100E+02	6.88550E-01	3.40330E-01	2.34330E-01	8.97210E-01
7.00200E+02	6.85890E-01	3.40460E-01	2.33520E-01	8.94110E-01
7.00300E+02	6.83570E-01	3.40620E-01	2.32840E-01	8.91500E-01
7.00400E+02	6.81670E-01	3.40780E-01	2.32300E-01	8.89430E-01
7.00500E+02	6.80240E-01	3.40940E-01	2.31920E-01	8.87970E-01
7.00600E+02	6.79310E-01	3.41090E-01	2.31710E-01	8.87170E-01
7.00700E+02	6.78880E-01	3.41250E-01	2.31670E-01	8.87010E-01
7.00800E+02	6.78920E-01	3.41400E-01	2.31780E-01	8.87460E-01
7.00900E+02	6.79350E-01	3.41560E-01	2.32040E-01	8.88430E-01
7.01000E+02	6.80100E-01	3.41710E-01	2.32400E-01	8.89810E-01
7.01100E+02	6.81080E-01	3.41860E-01	2.32840E-01	8.91500E-01
7.01200E+02	6.82230E-01	3.42020E-01	2.33330E-01	8.93390E-01
7.01300E+02	6.83480E-01	3.42170E-01	2.33860E-01	8.95420E-01
7.01400E+02	6.84800E-01	3.42320E-01	2.34420E-01	8.97560E-01
7.01500E+02	6.86210E-01	3.42470E-01	2.35010E-01	8.99800E-01
7.01600E+02	6.87730E-01	3.42620E-01	2.35630E-01	9.02190E-01
7.01700E+02	6.89410E-01	3.42770E-01	2.36310E-01	9.04790E-01
7.01800E+02	6.91290E-01	3.42920E-01	2.37060E-01	9.07660E-01
7.01900E+02	6.93430E-01	3.43070E-01	2.37890E-01	9.10860E-01
7.02000E+02	6.95830E-01	3.43220E-01	2.38820E-01	9.14410E-01
7.02100E+02	6.98500E-01	3.43340E-01	2.39820E-01	9.18230E-01
7.02200E+02	7.01380E-01	3.43460E-01	2.40900E-01	9.22350E-01
7.02300E+02	7.04420E-01	3.43580E-01	2.42030E-01	9.26670E-01
7.02400E+02	7.07510E-01	3.43710E-01	2.43180E-01	9.31080E-01
7.02500E+02	7.10580E-01	3.43830E-01	2.44320E-01	9.35450E-01
7.02600E+02	7.13530E-01	3.43960E-01	2.45420E-01	9.39680E-01
7.02700E+02	7.16300E-01	3.44080E-01	2.46460E-01	9.43660E-01
7.02800E+02	7.18860E-01	3.44200E-01	2.47430E-01	9.47370E-01
7.02900E+02	7.21190E-01	3.44330E-01	2.48330E-01	9.50790E-01
7.03000E+02	7.23340E-01	3.44450E-01	2.49150E-01	9.53960E-01

7.03100E+02	7.25340E-01	3.44570E-01	2.49930E-01	9.56940E-01
7.03200E+02	7.27250E-01	3.44690E-01	2.50680E-01	9.59800E-01
7.03300E+02	7.29100E-01	3.44820E-01	2.51410E-01	9.62590E-01
7.03400E+02	7.30940E-01	3.44940E-01	2.52130E-01	9.65360E-01
7.03500E+02	7.32770E-01	3.45060E-01	2.52850E-01	9.68110E-01
7.03600E+02	7.34570E-01	3.45180E-01	2.53560E-01	9.70830E-01
7.03700E+02	7.36310E-01	3.45300E-01	2.54250E-01	9.73480E-01
7.03800E+02	7.37940E-01	3.45430E-01	2.54900E-01	9.75980E-01
7.03900E+02	7.39400E-01	3.45550E-01	2.55500E-01	9.78260E-01
7.04000E+02	7.40670E-01	3.45670E-01	2.56020E-01	9.80270E-01
7.04100E+02	7.41690E-01	3.45740E-01	2.56430E-01	9.81820E-01
7.04200E+02	7.42460E-01	3.45800E-01	2.56750E-01	9.83040E-01
7.04300E+02	7.43000E-01	3.45870E-01	2.56980E-01	9.83940E-01
7.04400E+02	7.43320E-01	3.45940E-01	2.57140E-01	9.84550E-01
7.04500E+02	7.43440E-01	3.46000E-01	2.57230E-01	9.84900E-01
7.04600E+02	7.43400E-01	3.46070E-01	2.57270E-01	9.85040E-01
7.04700E+02	7.43220E-01	3.46140E-01	2.57260E-01	9.84990E-01
7.04800E+02	7.42900E-01	3.46200E-01	2.57190E-01	9.84740E-01
7.04900E+02	7.42420E-01	3.46270E-01	2.57080E-01	9.84300E-01
7.05000E+02	7.41770E-01	3.46330E-01	2.56900E-01	9.83630E-01
7.05100E+02	7.40940E-01	3.46400E-01	2.56660E-01	9.82710E-01
7.05200E+02	7.39900E-01	3.46460E-01	2.56350E-01	9.81510E-01
7.05300E+02	7.38650E-01	3.46530E-01	2.55970E-01	9.80040E-01
7.05400E+02	7.37220E-01	3.46590E-01	2.55520E-01	9.78320E-01
7.05500E+02	7.35630E-01	3.46660E-01	2.55010E-01	9.76390E-01
7.05600E+02	7.33940E-01	3.46720E-01	2.54470E-01	9.74330E-01
7.05700E+02	7.32220E-01	3.46790E-01	2.53920E-01	9.72220E-01
7.05800E+02	7.30530E-01	3.46850E-01	2.53380E-01	9.70150E-01
7.05900E+02	7.28930E-01	3.46910E-01	2.52870E-01	9.68210E-01
7.06000E+02	7.27480E-01	3.46970E-01	2.52420E-01	9.66460E-01
7.06100E+02	7.26200E-01	3.47080E-01	2.52050E-01	9.65070E-01
7.06200E+02	7.25110E-01	3.47190E-01	2.51750E-01	9.63920E-01
7.06300E+02	7.24200E-01	3.47300E-01	2.51520E-01	9.63010E-01
7.06400E+02	7.23460E-01	3.47410E-01	2.51340E-01	9.62320E-01
7.06500E+02	7.22860E-01	3.47520E-01	2.51210E-01	9.61830E-01
7.06600E+02	7.22420E-01	3.47630E-01	2.51130E-01	9.61530E-01
7.06700E+02	7.22110E-01	3.47730E-01	2.51100E-01	9.61430E-01
7.06800E+02	7.21970E-01	3.47840E-01	2.51130E-01	9.61530E-01
7.06900E+02	7.22010E-01	3.47950E-01	2.51220E-01	9.61880E-01
7.07000E+02	7.22260E-01	3.48060E-01	2.51390E-01	9.62510E-01
7.07100E+02	7.22750E-01	3.48160E-01	2.51640E-01	9.63470E-01
7.07200E+02	7.23520E-01	3.48270E-01	2.51980E-01	9.64780E-01
7.07300E+02	7.24550E-01	3.48380E-01	2.52420E-01	9.66450E-01

7.07400E+02	7.25840E-01	3.48480E-01	2.52940E-01	9.68470E-01
7.07500E+02	7.27360E-01	3.48590E-01	2.53550E-01	9.70790E-01
7.07600E+02	7.29060E-01	3.48690E-01	2.54220E-01	9.73360E-01
7.07700E+02	7.30880E-01	3.48800E-01	2.54930E-01	9.76090E-01
7.07800E+02	7.32770E-01	3.48910E-01	2.55670E-01	9.78910E-01
7.07900E+02	7.34670E-01	3.49010E-01	2.56410E-01	9.81750E-01
7.08000E+02	7.36540E-01	3.49110E-01	2.57130E-01	9.84520E-01
7.08100E+02	7.38340E-01	3.49210E-01	2.57830E-01	9.87200E-01
7.08200E+02	7.40050E-01	3.49300E-01	2.58500E-01	9.89760E-01
7.08300E+02	7.41650E-01	3.49400E-01	2.59130E-01	9.92170E-01
7.08400E+02	7.43110E-01	3.49490E-01	2.59710E-01	9.94390E-01
7.08500E+02	7.44390E-01	3.49590E-01	2.60230E-01	9.96380E-01
7.08600E+02	7.45430E-01	3.49690E-01	2.60670E-01	9.98050E-01
7.08700E+02	7.46160E-01	3.49780E-01	2.61000E-01	9.99300E-01
7.08800E+02	7.46480E-01	3.49880E-01	2.61180E-01	1.00000E+00
7.08900E+02	7.46250E-01	3.49980E-01	2.61170E-01	9.99980E-01
7.09000E+02	7.45360E-01	3.50070E-01	2.60930E-01	9.99050E-01
7.09100E+02	7.43660E-01	3.50170E-01	2.60400E-01	9.97040E-01
7.09200E+02	7.41020E-01	3.50260E-01	2.59550E-01	9.93780E-01
7.09300E+02	7.37340E-01	3.50350E-01	2.58330E-01	9.89100E-01
7.09400E+02	7.32520E-01	3.50450E-01	2.56710E-01	9.82900E-01
7.09500E+02	7.26500E-01	3.50540E-01	2.54670E-01	9.75080E-01
7.09600E+02	7.19250E-01	3.50640E-01	2.52190E-01	9.65610E-01
7.09700E+02	7.10760E-01	3.50730E-01	2.49280E-01	9.54470E-01
7.09800E+02	7.01050E-01	3.50830E-01	2.45950E-01	9.41690E-01
7.09900E+02	6.90170E-01	3.50920E-01	2.42190E-01	9.27310E-01
7.10000E+02	6.78160E-01	3.51010E-01	2.38040E-01	9.11410E-01
7.10100E+02	6.65090E-01	3.51030E-01	2.33470E-01	8.93910E-01
7.10200E+02	6.51010E-01	3.51060E-01	2.28550E-01	8.75060E-01
7.10300E+02	6.36000E-01	3.51090E-01	2.23290E-01	8.54950E-01
7.10400E+02	6.20130E-01	3.51120E-01	2.17740E-01	8.33680E-01
7.10500E+02	6.03470E-01	3.51140E-01	2.11900E-01	8.11340E-01
7.10600E+02	5.86080E-01	3.51170E-01	2.05810E-01	7.88020E-01
7.10700E+02	5.68030E-01	3.51200E-01	1.99490E-01	7.63820E-01
7.10800E+02	5.49400E-01	3.51220E-01	1.92960E-01	7.38810E-01
7.10900E+02	5.30250E-01	3.51250E-01	1.86250E-01	7.13120E-01
7.11000E+02	5.10650E-01	3.51280E-01	1.79380E-01	6.86820E-01
7.11100E+02	4.90690E-01	3.51300E-01	1.72380E-01	6.60020E-01
7.11200E+02	4.70450E-01	3.51320E-01	1.65280E-01	6.32830E-01
7.11300E+02	4.50000E-01	3.51340E-01	1.58110E-01	6.05360E-01
7.11400E+02	4.29440E-01	3.51370E-01	1.50890E-01	5.77740E-01
7.11500E+02	4.08870E-01	3.51390E-01	1.43670E-01	5.50090E-01
7.11600E+02	3.88360E-01	3.51410E-01	1.36480E-01	5.22540E-01

7.11700E+02	3.68040E-01	3.51430E-01	1.29340E-01	4.95220E-01
7.11800E+02	3.47980E-01	3.51460E-01	1.22300E-01	4.68270E-01
7.11900E+02	3.28290E-01	3.51470E-01	1.15380E-01	4.41780E-01
7.12000E+02	3.09040E-01	3.51490E-01	1.08620E-01	4.15900E-01
7.12100E+02	2.90310E-01	3.51480E-01	1.02040E-01	3.90690E-01
7.12200E+02	2.72160E-01	3.51480E-01	9.56590E-02	3.66260E-01
7.12300E+02	2.54650E-01	3.51480E-01	8.95020E-02	3.42690E-01
7.12400E+02	2.37810E-01	3.51470E-01	8.35840E-02	3.20030E-01
7.12500E+02	2.21690E-01	3.51470E-01	7.79170E-02	2.98330E-01
7.12600E+02	2.06320E-01	3.51460E-01	7.25130E-02	2.77640E-01
7.12700E+02	1.91730E-01	3.51460E-01	6.73860E-02	2.58010E-01
7.12800E+02	1.77960E-01	3.51460E-01	6.25460E-02	2.39480E-01
7.12900E+02	1.65050E-01	3.51450E-01	5.80060E-02	2.22090E-01
7.13000E+02	1.53020E-01	3.51450E-01	5.37770E-02	2.05900E-01
7.13100E+02	1.41890E-01	3.51450E-01	4.98680E-02	1.90940E-01
7.13200E+02	1.31690E-01	3.51440E-01	4.62830E-02	1.77210E-01
7.13300E+02	1.22410E-01	3.51440E-01	4.30190E-02	1.64710E-01
7.13400E+02	1.14010E-01	3.51440E-01	4.00660E-02	1.53410E-01
7.13500E+02	1.06440E-01	3.51430E-01	3.74060E-02	1.43220E-01
7.13600E+02	9.96200E-02	3.51430E-01	3.50090E-02	1.34050E-01
7.13700E+02	9.34570E-02	3.51430E-01	3.28430E-02	1.25750E-01
7.13800E+02	8.78390E-02	3.51430E-01	3.08690E-02	1.18190E-01
7.13900E+02	8.26520E-02	3.51430E-01	2.90470E-02	1.11210E-01
7.14000E+02	7.77880E-02	3.51440E-01	2.73380E-02	1.04670E-01
7.14100E+02	7.31560E-02	3.51370E-01	2.57050E-02	9.84210E-02
7.14200E+02	6.86860E-02	3.51310E-01	2.41300E-02	9.23900E-02
7.14300E+02	6.43340E-02	3.51250E-01	2.25970E-02	8.65200E-02
7.14400E+02	6.00840E-02	3.51180E-01	2.11010E-02	8.07910E-02
7.14500E+02	5.59470E-02	3.51120E-01	1.96440E-02	7.52140E-02
7.14600E+02	5.19520E-02	3.51060E-01	1.82380E-02	6.98300E-02
7.14700E+02	4.81390E-02	3.50990E-01	1.68970E-02	6.46940E-02
7.14800E+02	4.45570E-02	3.50930E-01	1.56360E-02	5.98690E-02
7.14900E+02	4.12500E-02	3.50870E-01	1.44730E-02	5.54150E-02
7.15000E+02	3.82510E-02	3.50800E-01	1.34180E-02	5.13770E-02
7.15100E+02	3.55790E-02	3.50740E-01	1.24790E-02	4.77800E-02
7.15200E+02	3.32360E-02	3.50670E-01	1.16550E-02	4.46240E-02
7.15300E+02	3.29510E-02	3.50610E-01	1.15530E-02	4.42340E-02
7.15400E+02	3.02030E-02	3.50540E-01	1.05870E-02	4.05370E-02
7.15500E+02	2.88400E-02	3.50480E-01	1.01080E-02	3.87000E-02
7.15600E+02	2.78880E-02	3.50410E-01	9.77220E-03	3.74160E-02
7.15700E+02	2.58990E-02	3.50360E-01	9.07390E-03	3.47420E-02
7.15800E+02	2.44750E-02	3.50310E-01	8.57400E-03	3.28280E-02
7.15900E+02	2.34160E-02	3.50260E-01	8.20160E-03	3.14020E-02

7.16000E+02	2.25120E-02	3.50210E-01	7.88400E-03	3.01870E-02
7.16100E+02	2.15510E-02	3.50250E-01	7.54830E-03	2.89010E-02
7.16200E+02	2.05140E-02	3.50280E-01	7.18570E-03	2.75130E-02
7.16300E+02	1.95760E-02	3.50320E-01	6.85770E-03	2.62570E-02
7.16400E+02	1.87090E-02	3.50350E-01	6.55470E-03	2.50970E-02
7.16500E+02	1.78860E-02	3.50380E-01	6.26710E-03	2.39950E-02
7.16600E+02	1.70840E-02	3.50420E-01	5.98650E-03	2.29210E-02
7.16700E+02	1.62840E-02	3.50450E-01	5.70670E-03	2.18500E-02
7.16800E+02	1.54770E-02	3.50480E-01	5.42450E-03	2.07700E-02
7.16900E+02	1.46650E-02	3.50520E-01	5.14020E-03	1.96810E-02
7.17000E+02	1.38560E-02	3.50550E-01	4.85720E-03	1.85970E-02
7.17100E+02	1.30690E-02	3.50580E-01	4.58180E-03	1.75430E-02
7.17200E+02	1.23260E-02	3.50610E-01	4.32160E-03	1.65470E-02
7.17300E+02	1.16480E-02	3.50650E-01	4.08440E-03	1.56380E-02
7.17400E+02	1.10530E-02	3.50680E-01	3.87590E-03	1.48400E-02
7.17500E+02	1.05480E-02	3.50710E-01	3.69920E-03	1.41640E-02
7.17600E+02	1.01310E-02	3.50750E-01	3.55360E-03	1.36060E-02
7.17700E+02	9.78940E-03	3.50820E-01	3.43430E-03	1.31490E-02
7.17800E+02	9.49820E-03	3.50890E-01	3.33280E-03	1.27610E-02
7.17900E+02	9.22830E-03	3.50960E-01	3.23870E-03	1.24000E-02
7.18000E+02	8.94890E-03	3.51020E-01	3.14130E-03	1.20270E-02
7.18100E+02	8.63410E-03	3.51040E-01	3.03090E-03	1.16050E-02
7.18200E+02	8.26760E-03	3.51050E-01	2.90240E-03	1.11130E-02
7.18300E+02	7.84610E-03	3.51070E-01	2.75450E-03	1.05470E-02
7.18400E+02	7.38030E-03	3.51090E-01	2.59110E-03	9.92090E-03
7.18500E+02	6.89340E-03	3.51100E-01	2.42030E-03	9.26680E-03
7.18600E+02	6.41680E-03	3.51120E-01	2.25310E-03	8.62650E-03
7.18700E+02	5.98440E-03	3.51130E-01	2.10130E-03	8.04550E-03
7.18800E+02	5.62560E-03	3.51150E-01	1.97540E-03	7.56360E-03
7.18900E+02	5.35980E-03	3.51160E-01	1.88220E-03	7.20650E-03
7.19000E+02	5.19170E-03	3.51180E-01	1.82320E-03	6.98080E-03
7.19100E+02	5.10990E-03	3.51190E-01	1.79460E-03	6.87110E-03
7.19200E+02	5.08850E-03	3.51210E-01	1.78710E-03	6.84250E-03
7.19300E+02	5.09140E-03	3.51220E-01	1.78820E-03	6.84680E-03
7.19400E+02	5.07910E-03	3.51230E-01	1.78390E-03	6.83040E-03
7.19500E+02	5.01550E-03	3.51250E-01	1.76170E-03	6.74530E-03
7.19600E+02	4.87560E-03	3.51300E-01	1.71280E-03	6.55800E-03
7.19700E+02	4.64950E-03	3.51360E-01	1.63360E-03	6.25490E-03
7.19800E+02	4.34530E-03	3.51410E-01	1.52700E-03	5.84660E-03
7.19900E+02	3.98720E-03	3.51460E-01	1.40130E-03	5.36550E-03
7.20000E+02	3.61130E-03	3.51510E-01	1.26940E-03	4.86030E-03
7.20100E+02	3.25880E-03	3.51530E-01	1.14560E-03	4.38620E-03
7.20200E+02	2.96890E-03	3.51550E-01	1.04370E-03	3.99620E-03

7.20300E+02	2.77120E-03	3.51570E-01	9.74270E-04	3.73030E-03
7.20400E+02	2.68050E-03	3.51590E-01	9.42440E-04	3.60840E-03
7.20500E+02	2.69480E-03	3.51610E-01	9.47500E-04	3.62780E-03
7.20600E+02	2.79560E-03	3.51630E-01	9.83030E-04	3.76380E-03
7.20700E+02	2.95270E-03	3.51650E-01	1.03830E-03	3.97550E-03
7.20800E+02	3.12920E-03	3.51670E-01	1.10040E-03	4.21340E-03
7.20900E+02	3.28950E-03	3.51680E-01	1.15690E-03	4.42940E-03
7.21000E+02	3.40470E-03	3.51700E-01	1.19740E-03	4.58480E-03
7.21100E+02	3.45800E-03	3.51720E-01	1.21630E-03	4.65680E-03
7.21200E+02	3.44630E-03	3.51740E-01	1.21220E-03	4.64140E-03
7.21300E+02	3.37950E-03	3.51760E-01	1.18880E-03	4.55170E-03
7.21400E+02	3.27700E-03	3.51780E-01	1.15280E-03	4.41380E-03
7.21500E+02	3.16240E-03	3.51820E-01	1.11260E-03	4.25990E-03
7.21600E+02	3.05840E-03	3.51850E-01	1.07610E-03	4.12020E-03
7.21700E+02	2.98150E-03	3.51890E-01	1.04920E-03	4.01700E-03
7.21800E+02	2.93910E-03	3.51920E-01	1.03430E-03	3.96030E-03
7.21900E+02	2.81860E-03	3.51960E-01	9.92040E-04	3.79830E-03
7.22000E+02	2.69920E-03	3.51990E-01	9.50120E-04	3.63780E-03
7.22100E+02	2.57200E-03	3.52080E-01	9.05560E-04	3.46720E-03
7.22200E+02	2.45060E-03	3.52170E-01	8.63020E-04	3.30440E-03
7.22300E+02	2.33240E-03	3.52260E-01	8.21620E-04	3.14580E-03
7.22400E+02	2.21240E-03	3.52350E-01	7.79530E-04	2.98470E-03
7.22500E+02	2.09860E-03	3.52440E-01	7.39640E-04	2.83190E-03
7.22600E+02	1.84830E-03	3.52530E-01	6.51560E-04	2.49470E-03
7.22700E+02	1.58280E-03	3.52620E-01	5.58130E-04	2.13700E-03
7.22800E+02	1.36470E-03	3.52710E-01	4.81330E-04	1.84290E-03
7.22900E+02	1.16460E-03	3.52800E-01	4.10890E-04	1.57320E-03
7.23000E+02	9.75890E-04	3.52890E-01	3.44380E-04	1.31860E-03
7.23100E+02	0.00000E+00	3.52980E-01	0.00000E+00	0.00000E+00
Channel 5				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.94800E+02	0.00000E+00	3.32760E-01	0.00000E+00	0.00000E+00
6.94900E+02	8.02990E-04	3.32940E-01	2.67350E-04	9.23620E-04
6.95000E+02	1.17250E-03	3.33110E-01	3.90580E-04	1.34940E-03
6.95100E+02	1.18480E-03	3.33280E-01	3.94890E-04	1.36430E-03
6.95200E+02	8.55810E-04	3.33450E-01	2.85370E-04	9.85900E-04
6.95300E+02	2.56220E-04	3.33620E-01	8.54810E-05	2.95320E-04
6.95400E+02	5.07980E-04	3.33790E-01	1.69560E-04	5.85800E-04
6.95500E+02	1.29650E-03	3.33970E-01	4.32980E-04	1.49590E-03
6.95600E+02	1.98240E-03	3.34140E-01	6.62390E-04	2.28840E-03

6.95700E+02	2.45950E-03	3.34310E-01	8.22230E-04	2.84060E-03
6.95800E+02	2.66470E-03	3.34480E-01	8.91280E-04	3.07920E-03
6.95900E+02	1.29000E-03	3.34650E-01	4.31700E-04	1.49140E-03
6.96000E+02	1.34900E-03	3.34820E-01	4.51680E-04	1.56050E-03
6.96100E+02	1.40070E-03	3.34980E-01	4.69220E-04	1.62110E-03
6.96200E+02	1.45320E-03	3.35130E-01	4.87000E-04	1.68250E-03
6.96300E+02	1.51360E-03	3.35290E-01	5.07480E-04	1.75320E-03
6.96400E+02	1.58770E-03	3.35450E-01	5.32610E-04	1.84010E-03
6.96500E+02	1.63160E-03	3.35630E-01	5.47600E-04	1.89190E-03
6.96600E+02	1.62010E-03	3.35800E-01	5.44030E-04	1.87950E-03
6.96700E+02	1.56310E-03	3.35970E-01	5.25140E-04	1.81420E-03
6.96800E+02	1.47840E-03	3.36140E-01	4.96950E-04	1.71690E-03
6.96900E+02	1.38890E-03	3.36310E-01	4.67100E-04	1.61370E-03
6.97000E+02	1.31780E-03	3.36480E-01	4.43400E-04	1.53190E-03
6.97100E+02	1.28440E-03	3.36650E-01	4.32380E-04	1.49380E-03
6.97200E+02	1.30090E-03	3.36820E-01	4.38180E-04	1.51380E-03
6.97300E+02	1.37060E-03	3.36990E-01	4.61900E-04	1.59580E-03
6.97400E+02	1.48760E-03	3.37170E-01	5.01570E-04	1.73280E-03
6.97500E+02	1.63860E-03	3.37340E-01	5.52770E-04	1.90970E-03
6.97600E+02	1.80620E-03	3.37510E-01	6.09610E-04	2.10610E-03
6.97700E+02	1.97250E-03	3.37680E-01	6.66080E-04	2.30120E-03
6.97800E+02	2.12290E-03	3.37850E-01	7.17240E-04	2.47790E-03
6.97900E+02	2.24920E-03	3.38020E-01	7.60270E-04	2.62660E-03
6.98000E+02	2.35070E-03	3.38190E-01	7.95000E-04	2.74660E-03
6.98100E+02	2.43480E-03	3.38290E-01	8.23660E-04	2.84560E-03
6.98200E+02	2.51480E-03	3.38380E-01	8.50950E-04	2.93990E-03
6.98300E+02	2.60760E-03	3.38470E-01	8.82580E-04	3.04910E-03
6.98400E+02	2.72980E-03	3.38570E-01	9.24250E-04	3.19310E-03
6.98500E+02	2.89520E-03	3.38670E-01	9.80520E-04	3.38750E-03
6.98600E+02	3.11130E-03	3.38770E-01	1.05400E-03	3.64150E-03
6.98700E+02	3.37890E-03	3.38880E-01	1.14500E-03	3.95580E-03
6.98800E+02	3.69170E-03	3.38980E-01	1.25140E-03	4.32340E-03
6.98900E+02	4.03840E-03	3.39080E-01	1.36930E-03	4.73070E-03
6.99000E+02	4.40480E-03	3.39180E-01	1.49400E-03	5.16150E-03
6.99100E+02	4.77750E-03	3.39280E-01	1.62090E-03	5.59990E-03
6.99200E+02	5.14630E-03	3.39380E-01	1.74660E-03	6.03410E-03
6.99300E+02	5.50710E-03	3.39490E-01	1.86960E-03	6.45900E-03
6.99400E+02	5.86230E-03	3.39590E-01	1.99070E-03	6.87760E-03
6.99500E+02	6.22100E-03	3.39690E-01	2.11320E-03	7.30070E-03
6.99600E+02	6.59770E-03	3.39790E-01	2.24180E-03	7.74510E-03
6.99700E+02	7.00920E-03	3.39890E-01	2.38240E-03	8.23060E-03
6.99800E+02	7.47210E-03	3.39990E-01	2.54040E-03	8.77670E-03
6.99900E+02	7.99990E-03	3.40090E-01	2.72070E-03	9.39940E-03

7.00000E+02	8.60070E-03	3.40190E-01	2.92590E-03	1.01080E-02
7.00100E+02	9.27610E-03	3.40330E-01	3.15690E-03	1.09060E-02
7.00200E+02	1.00210E-02	3.40460E-01	3.41190E-03	1.17870E-02
7.00300E+02	1.08260E-02	3.40620E-01	3.68770E-03	1.27400E-02
7.00400E+02	1.01940E-02	3.40780E-01	3.47380E-03	1.20010E-02
7.00500E+02	1.08000E-02	3.40940E-01	3.68220E-03	1.27210E-02
7.00600E+02	1.15830E-02	3.41090E-01	3.95080E-03	1.36490E-02
7.00700E+02	1.25630E-02	3.41250E-01	4.28710E-03	1.48110E-02
7.00800E+02	1.37360E-02	3.41400E-01	4.68950E-03	1.62010E-02
7.00900E+02	1.50690E-02	3.41560E-01	5.14700E-03	1.77820E-02
7.01000E+02	1.65100E-02	3.41710E-01	5.64170E-03	1.94910E-02
7.01100E+02	1.79940E-02	3.41860E-01	6.15150E-03	2.12520E-02
7.01200E+02	1.94570E-02	3.42020E-01	6.65470E-03	2.29910E-02
7.01300E+02	2.08460E-02	3.42170E-01	7.13300E-03	2.46430E-02
7.01400E+02	2.21310E-02	3.42320E-01	7.57590E-03	2.61730E-02
7.01500E+02	2.33080E-02	3.42470E-01	7.98240E-03	2.75780E-02
7.01600E+02	2.44050E-02	3.42620E-01	8.36170E-03	2.88880E-02
7.01700E+02	2.54750E-02	3.42770E-01	8.73220E-03	3.01680E-02
7.01800E+02	2.65940E-02	3.42920E-01	9.11960E-03	3.15060E-02
7.01900E+02	2.78450E-02	3.43070E-01	9.55290E-03	3.30030E-02
7.02000E+02	2.93140E-02	3.43220E-01	1.00610E-02	3.47590E-02
7.02100E+02	3.10720E-02	3.43340E-01	1.06680E-02	3.68560E-02
7.02200E+02	3.31740E-02	3.43460E-01	1.13940E-02	3.93630E-02
7.02300E+02	3.56470E-02	3.43580E-01	1.22480E-02	4.23140E-02
7.02400E+02	3.84970E-02	3.43710E-01	1.32320E-02	4.57130E-02
7.02500E+02	4.17050E-02	3.43830E-01	1.43390E-02	4.95400E-02
7.02600E+02	4.52390E-02	3.43960E-01	1.55600E-02	5.37570E-02
7.02700E+02	4.90630E-02	3.44080E-01	1.68810E-02	5.83220E-02
7.02800E+02	5.31430E-02	3.44200E-01	1.82920E-02	6.31950E-02
7.02900E+02	5.74600E-02	3.44330E-01	1.97850E-02	6.83530E-02
7.03000E+02	6.20150E-02	3.44450E-01	2.13610E-02	7.37980E-02
7.03100E+02	6.68310E-02	3.44570E-01	2.30280E-02	7.95570E-02
7.03200E+02	7.19510E-02	3.44690E-01	2.48010E-02	8.56820E-02
7.03300E+02	7.74370E-02	3.44820E-01	2.67010E-02	9.22480E-02
7.03400E+02	8.33610E-02	3.44940E-01	2.87540E-02	9.93400E-02
7.03500E+02	8.97960E-02	3.45060E-01	3.09850E-02	1.07050E-01
7.03600E+02	9.68110E-02	3.45180E-01	3.34180E-02	1.15450E-01
7.03700E+02	1.04460E-01	3.45300E-01	3.60720E-02	1.24620E-01
7.03800E+02	1.12790E-01	3.45430E-01	3.89620E-02	1.34610E-01
7.03900E+02	1.21830E-01	3.45550E-01	4.20980E-02	1.45440E-01
7.04000E+02	1.31590E-01	3.45670E-01	4.54860E-02	1.57140E-01
7.04100E+02	1.42070E-01	3.45740E-01	4.91200E-02	1.69700E-01
7.04200E+02	1.53290E-01	3.45800E-01	5.30080E-02	1.83130E-01

7.04300E+02	1.65250E-01	3.45870E-01	5.71540E-02	1.97460E-01
7.04400E+02	1.77960E-01	3.45940E-01	6.15610E-02	2.12680E-01
7.04500E+02	1.91430E-01	3.46000E-01	6.62370E-02	2.28830E-01
7.04600E+02	2.05700E-01	3.46070E-01	7.11860E-02	2.45930E-01
7.04700E+02	2.20770E-01	3.46140E-01	7.64160E-02	2.64000E-01
7.04800E+02	2.36640E-01	3.46200E-01	8.19260E-02	2.83040E-01
7.04900E+02	2.53310E-01	3.46270E-01	8.77120E-02	3.03030E-01
7.05000E+02	2.70730E-01	3.46330E-01	9.37620E-02	3.23930E-01
7.05100E+02	2.88840E-01	3.46400E-01	1.00050E-01	3.45670E-01
7.05200E+02	3.07560E-01	3.46460E-01	1.06560E-01	3.68140E-01
7.05300E+02	3.26800E-01	3.46530E-01	1.13240E-01	3.91240E-01
7.05400E+02	3.46440E-01	3.46590E-01	1.20070E-01	4.14830E-01
7.05500E+02	3.66390E-01	3.46660E-01	1.27010E-01	4.38800E-01
7.05600E+02	3.86560E-01	3.46720E-01	1.34030E-01	4.63040E-01
7.05700E+02	4.06880E-01	3.46790E-01	1.41100E-01	4.87480E-01
7.05800E+02	4.27320E-01	3.46850E-01	1.48220E-01	5.12060E-01
7.05900E+02	4.47840E-01	3.46910E-01	1.55360E-01	5.36740E-01
7.06000E+02	4.68430E-01	3.46970E-01	1.62530E-01	5.61520E-01
7.06100E+02	4.89060E-01	3.47080E-01	1.69740E-01	5.86430E-01
7.06200E+02	5.09690E-01	3.47190E-01	1.76960E-01	6.11360E-01
7.06300E+02	5.30260E-01	3.47300E-01	1.84160E-01	6.36230E-01
7.06400E+02	5.50650E-01	3.47410E-01	1.91300E-01	6.60910E-01
7.06500E+02	5.70730E-01	3.47520E-01	1.98340E-01	6.85230E-01
7.06600E+02	5.90330E-01	3.47630E-01	2.05220E-01	7.08980E-01
7.06700E+02	6.09260E-01	3.47730E-01	2.11860E-01	7.31940E-01
7.06800E+02	6.27330E-01	3.47840E-01	2.18210E-01	7.53870E-01
7.06900E+02	6.44370E-01	3.47950E-01	2.24210E-01	7.74600E-01
7.07000E+02	6.60270E-01	3.48060E-01	2.29810E-01	7.93950E-01
7.07100E+02	6.74940E-01	3.48160E-01	2.34990E-01	8.11840E-01
7.07200E+02	6.88390E-01	3.48270E-01	2.39740E-01	8.28270E-01
7.07300E+02	7.00640E-01	3.48380E-01	2.44090E-01	8.43270E-01
7.07400E+02	7.11800E-01	3.48480E-01	2.48050E-01	8.56960E-01
7.07500E+02	7.21970E-01	3.48590E-01	2.51670E-01	8.69470E-01
7.07600E+02	7.31270E-01	3.48690E-01	2.54990E-01	8.80930E-01
7.07700E+02	7.39780E-01	3.48800E-01	2.58040E-01	8.91470E-01
7.07800E+02	7.47580E-01	3.48910E-01	2.60840E-01	9.01140E-01
7.07900E+02	7.54670E-01	3.49010E-01	2.63390E-01	9.09970E-01
7.08000E+02	7.61030E-01	3.49110E-01	2.65680E-01	9.17880E-01
7.08100E+02	7.66580E-01	3.49210E-01	2.67690E-01	9.24830E-01
7.08200E+02	7.71230E-01	3.49300E-01	2.69390E-01	9.30700E-01
7.08300E+02	7.74910E-01	3.49400E-01	2.70750E-01	9.35390E-01
7.08400E+02	7.77550E-01	3.49490E-01	2.71750E-01	9.38850E-01
7.08500E+02	7.79160E-01	3.49590E-01	2.72390E-01	9.41050E-01

7.08600E+02	7.79770E-01	3.49690E-01	2.72680E-01	9.42040E-01
7.08700E+02	7.79480E-01	3.49780E-01	2.72650E-01	9.41950E-01
7.08800E+02	7.78460E-01	3.49880E-01	2.72370E-01	9.40970E-01
7.08900E+02	7.76860E-01	3.49980E-01	2.71880E-01	9.39300E-01
7.09000E+02	7.74900E-01	3.50070E-01	2.71270E-01	9.37190E-01
7.09100E+02	7.72750E-01	3.50170E-01	2.70590E-01	9.34840E-01
7.09200E+02	7.70550E-01	3.50260E-01	2.69890E-01	9.32420E-01
7.09300E+02	7.68400E-01	3.50350E-01	2.69210E-01	9.30070E-01
7.09400E+02	7.66330E-01	3.50450E-01	2.68560E-01	9.27820E-01
7.09500E+02	7.64340E-01	3.50540E-01	2.67930E-01	9.25660E-01
7.09600E+02	7.62390E-01	3.50640E-01	2.67320E-01	9.23540E-01
7.09700E+02	7.60390E-01	3.50730E-01	2.66690E-01	9.21370E-01
7.09800E+02	7.58290E-01	3.50830E-01	2.66030E-01	9.19070E-01
7.09900E+02	7.56030E-01	3.50920E-01	2.65300E-01	9.16570E-01
7.10000E+02	7.53590E-01	3.51010E-01	2.64520E-01	9.13850E-01
7.10100E+02	7.50990E-01	3.51030E-01	2.63620E-01	9.10770E-01
7.10200E+02	7.48290E-01	3.51060E-01	2.62690E-01	9.07560E-01
7.10300E+02	7.45560E-01	3.51090E-01	2.61760E-01	9.04320E-01
7.10400E+02	7.42910E-01	3.51120E-01	2.60850E-01	9.01180E-01
7.10500E+02	7.40420E-01	3.51140E-01	2.59990E-01	8.98230E-01
7.10600E+02	7.38180E-01	3.51170E-01	2.59230E-01	8.95570E-01
7.10700E+02	7.36220E-01	3.51200E-01	2.58560E-01	8.93260E-01
7.10800E+02	7.34540E-01	3.51220E-01	2.57990E-01	8.91300E-01
7.10900E+02	7.33130E-01	3.51250E-01	2.57510E-01	8.89660E-01
7.11000E+02	7.31930E-01	3.51280E-01	2.57110E-01	8.88260E-01
7.11100E+02	7.30850E-01	3.51300E-01	2.56750E-01	8.87020E-01
7.11200E+02	7.29840E-01	3.51320E-01	2.56410E-01	8.85840E-01
7.11300E+02	7.28820E-01	3.51340E-01	2.56070E-01	8.84660E-01
7.11400E+02	7.27760E-01	3.51370E-01	2.55710E-01	8.83430E-01
7.11500E+02	7.26640E-01	3.51390E-01	2.55340E-01	8.82130E-01
7.11600E+02	7.25510E-01	3.51410E-01	2.54950E-01	8.80810E-01
7.11700E+02	7.24390E-01	3.51430E-01	2.54580E-01	8.79510E-01
7.11800E+02	7.23370E-01	3.51460E-01	2.54230E-01	8.78330E-01
7.11900E+02	7.22520E-01	3.51470E-01	2.53940E-01	8.77330E-01
7.12000E+02	7.21900E-01	3.51490E-01	2.53740E-01	8.76610E-01
7.12100E+02	7.21560E-01	3.51480E-01	2.53620E-01	8.76200E-01
7.12200E+02	7.21540E-01	3.51480E-01	2.53610E-01	8.76160E-01
7.12300E+02	7.21820E-01	3.51480E-01	2.53700E-01	8.76490E-01
7.12400E+02	7.22370E-01	3.51470E-01	2.53890E-01	8.77160E-01
7.12500E+02	7.23160E-01	3.51470E-01	2.54170E-01	8.78100E-01
7.12600E+02	7.24100E-01	3.51460E-01	2.54500E-01	8.79240E-01
7.12700E+02	7.25140E-01	3.51460E-01	2.54860E-01	8.80480E-01
7.12800E+02	7.26200E-01	3.51460E-01	2.55230E-01	8.81770E-01

7.12900E+02	7.27250E-01	3.51450E-01	2.55590E-01	8.83030E-01
7.13000E+02	7.28250E-01	3.51450E-01	2.55940E-01	8.84240E-01
7.13100E+02	7.29210E-01	3.51450E-01	2.56280E-01	8.85390E-01
7.13200E+02	7.30130E-01	3.51440E-01	2.56600E-01	8.86500E-01
7.13300E+02	7.31080E-01	3.51440E-01	2.56930E-01	8.87640E-01
7.13400E+02	7.32100E-01	3.51440E-01	2.57290E-01	8.88870E-01
7.13500E+02	7.33260E-01	3.51430E-01	2.57690E-01	8.90270E-01
7.13600E+02	7.34610E-01	3.51430E-01	2.58160E-01	8.91900E-01
7.13700E+02	7.36200E-01	3.51430E-01	2.58720E-01	8.93830E-01
7.13800E+02	7.38060E-01	3.51430E-01	2.59370E-01	8.96090E-01
7.13900E+02	7.40190E-01	3.51430E-01	2.60130E-01	8.98680E-01
7.14000E+02	7.42560E-01	3.51440E-01	2.60960E-01	9.01580E-01
7.14100E+02	7.45130E-01	3.51370E-01	2.61820E-01	9.04540E-01
7.14200E+02	7.47840E-01	3.51310E-01	2.62720E-01	9.07660E-01
7.14300E+02	7.50600E-01	3.51250E-01	2.63650E-01	9.10850E-01
7.14400E+02	7.53350E-01	3.51180E-01	2.64570E-01	9.14020E-01
7.14500E+02	7.56030E-01	3.51120E-01	2.65460E-01	9.17100E-01
7.14600E+02	7.58580E-01	3.51060E-01	2.66300E-01	9.20030E-01
7.14700E+02	7.60990E-01	3.50990E-01	2.67100E-01	9.22790E-01
7.14800E+02	7.63280E-01	3.50930E-01	2.67860E-01	9.25390E-01
7.14900E+02	7.65470E-01	3.50870E-01	2.68580E-01	9.27890E-01
7.15000E+02	7.67640E-01	3.50800E-01	2.69290E-01	9.30340E-01
7.15100E+02	7.69830E-01	3.50740E-01	2.70010E-01	9.32830E-01
7.15200E+02	7.72130E-01	3.50670E-01	2.70760E-01	9.35430E-01
7.15300E+02	7.74560E-01	3.50610E-01	2.71570E-01	9.38210E-01
7.15400E+02	7.77160E-01	3.50540E-01	2.72430E-01	9.41190E-01
7.15500E+02	7.79930E-01	3.50480E-01	2.73350E-01	9.44370E-01
7.15600E+02	7.82840E-01	3.50410E-01	2.74320E-01	9.47710E-01
7.15700E+02	7.85820E-01	3.50360E-01	2.75320E-01	9.51170E-01
7.15800E+02	7.88800E-01	3.50310E-01	2.76330E-01	9.54650E-01
7.15900E+02	7.91720E-01	3.50260E-01	2.77310E-01	9.58050E-01
7.16000E+02	7.94500E-01	3.50210E-01	2.78250E-01	9.61290E-01
7.16100E+02	7.97120E-01	3.50250E-01	2.79190E-01	9.64540E-01
7.16200E+02	7.99540E-01	3.50280E-01	2.80060E-01	9.67570E-01
7.16300E+02	8.01790E-01	3.50320E-01	2.80880E-01	9.70390E-01
7.16400E+02	8.03920E-01	3.50350E-01	2.81650E-01	9.73050E-01
7.16500E+02	8.05960E-01	3.50380E-01	2.82390E-01	9.75620E-01
7.16600E+02	8.07980E-01	3.50420E-01	2.83130E-01	9.78160E-01
7.16700E+02	8.10030E-01	3.50450E-01	2.83870E-01	9.80730E-01
7.16800E+02	8.12110E-01	3.50480E-01	2.84630E-01	9.83350E-01
7.16900E+02	8.14230E-01	3.50520E-01	2.85400E-01	9.86000E-01
7.17000E+02	8.16340E-01	3.50550E-01	2.86170E-01	9.88650E-01
7.17100E+02	8.18360E-01	3.50580E-01	2.86900E-01	9.91190E-01

7.17200E+02	8.20220E-01	3.50610E-01	2.87580E-01	9.93530E-01
7.17300E+02	8.21830E-01	3.50650E-01	2.88170E-01	9.95570E-01
7.17400E+02	8.23120E-01	3.50680E-01	2.88650E-01	9.97230E-01
7.17500E+02	8.24060E-01	3.50710E-01	2.89010E-01	9.98460E-01
7.17600E+02	8.24640E-01	3.50750E-01	2.89250E-01	9.99290E-01
7.17700E+02	8.24900E-01	3.50820E-01	2.89390E-01	9.99800E-01
7.17800E+02	8.24910E-01	3.50890E-01	2.89450E-01	1.00000E+00
7.17900E+02	8.24750E-01	3.50960E-01	2.89450E-01	1.00000E+00
7.18000E+02	8.24510E-01	3.51020E-01	2.89420E-01	9.99900E-01
7.18100E+02	8.24270E-01	3.51040E-01	2.89350E-01	9.99650E-01
7.18200E+02	8.24070E-01	3.51050E-01	2.89290E-01	9.99450E-01
7.18300E+02	8.23920E-01	3.51070E-01	2.89250E-01	9.99310E-01
7.18400E+02	8.23780E-01	3.51090E-01	2.89220E-01	9.99190E-01
7.18500E+02	8.23580E-01	3.51100E-01	2.89160E-01	9.98990E-01
7.18600E+02	8.23220E-01	3.51120E-01	2.89050E-01	9.98600E-01
7.18700E+02	8.22600E-01	3.51130E-01	2.88840E-01	9.97890E-01
7.18800E+02	8.21640E-01	3.51150E-01	2.88520E-01	9.96770E-01
7.18900E+02	8.20270E-01	3.51160E-01	2.88050E-01	9.95140E-01
7.19000E+02	8.18450E-01	3.51180E-01	2.87420E-01	9.92990E-01
7.19100E+02	8.16210E-01	3.51190E-01	2.86650E-01	9.90310E-01
7.19200E+02	8.13590E-01	3.51210E-01	2.85740E-01	9.87170E-01
7.19300E+02	8.10640E-01	3.51220E-01	2.84710E-01	9.83620E-01
7.19400E+02	8.07420E-01	3.51230E-01	2.83590E-01	9.79760E-01
7.19500E+02	8.03990E-01	3.51250E-01	2.82400E-01	9.75650E-01
7.19600E+02	8.00360E-01	3.51300E-01	2.81170E-01	9.71380E-01
7.19700E+02	7.96490E-01	3.51360E-01	2.79850E-01	9.66840E-01
7.19800E+02	7.92340E-01	3.51410E-01	2.78430E-01	9.61930E-01
7.19900E+02	7.87790E-01	3.51460E-01	2.76880E-01	9.56550E-01
7.20000E+02	7.82720E-01	3.51510E-01	2.75140E-01	9.50540E-01
7.20100E+02	7.77010E-01	3.51530E-01	2.73140E-01	9.43660E-01
7.20200E+02	7.70560E-01	3.51550E-01	2.70890E-01	9.35870E-01
7.20300E+02	7.63280E-01	3.51570E-01	2.68350E-01	9.27090E-01
7.20400E+02	7.55160E-01	3.51590E-01	2.65500E-01	9.17260E-01
7.20500E+02	7.46190E-01	3.51610E-01	2.62370E-01	9.06420E-01
7.20600E+02	7.36440E-01	3.51630E-01	2.58950E-01	8.94630E-01
7.20700E+02	7.25980E-01	3.51650E-01	2.55290E-01	8.81980E-01
7.20800E+02	7.14910E-01	3.51670E-01	2.51410E-01	8.68570E-01
7.20900E+02	7.03310E-01	3.51680E-01	2.47340E-01	8.54520E-01
7.21000E+02	6.91240E-01	3.51700E-01	2.43110E-01	8.39900E-01
7.21100E+02	6.78710E-01	3.51720E-01	2.38720E-01	8.24730E-01
7.21200E+02	6.65740E-01	3.51740E-01	2.34170E-01	8.09010E-01
7.21300E+02	6.52260E-01	3.51760E-01	2.29440E-01	7.92680E-01
7.21400E+02	6.38230E-01	3.51780E-01	2.24520E-01	7.75670E-01

7.21500E+02	6.23580E-01	3.51820E-01	2.19390E-01	7.57930E-01
7.21600E+02	6.08250E-01	3.51850E-01	2.14010E-01	7.39380E-01
7.21700E+02	5.92210E-01	3.51890E-01	2.08390E-01	7.19950E-01
7.21800E+02	5.75470E-01	3.51920E-01	2.02520E-01	6.99670E-01
7.21900E+02	5.58070E-01	3.51960E-01	1.96420E-01	6.78590E-01
7.22000E+02	5.40100E-01	3.51990E-01	1.90110E-01	6.56800E-01
7.22100E+02	5.21660E-01	3.52080E-01	1.83670E-01	6.34530E-01
7.22200E+02	5.02870E-01	3.52170E-01	1.77100E-01	6.11840E-01
7.22300E+02	4.83880E-01	3.52260E-01	1.70450E-01	5.88890E-01
7.22400E+02	4.64820E-01	3.52350E-01	1.63780E-01	5.65830E-01
7.22500E+02	4.45800E-01	3.52440E-01	1.57120E-01	5.42820E-01
7.22600E+02	4.26930E-01	3.52530E-01	1.50500E-01	5.19960E-01
7.22700E+02	4.08270E-01	3.52620E-01	1.43960E-01	4.97360E-01
7.22800E+02	3.89890E-01	3.52710E-01	1.37520E-01	4.75100E-01
7.22900E+02	3.71840E-01	3.52800E-01	1.31190E-01	4.53220E-01
7.23000E+02	3.54160E-01	3.52890E-01	1.24980E-01	4.31780E-01
7.23100E+02	3.36880E-01	3.52980E-01	1.18910E-01	4.10810E-01
7.23200E+02	3.20010E-01	3.53070E-01	1.12980E-01	3.90340E-01
7.23300E+02	3.03570E-01	3.53160E-01	1.07210E-01	3.70390E-01
7.23400E+02	2.87590E-01	3.53260E-01	1.01590E-01	3.50980E-01
7.23500E+02	2.72060E-01	3.53360E-01	9.61340E-02	3.32120E-01
7.23600E+02	2.56980E-01	3.53470E-01	9.08340E-02	3.13810E-01
7.23700E+02	2.42360E-01	3.53580E-01	8.56910E-02	2.96050E-01
7.23800E+02	2.28180E-01	3.53690E-01	8.07050E-02	2.78820E-01
7.23900E+02	2.14470E-01	3.53790E-01	7.58780E-02	2.62140E-01
7.24000E+02	2.01230E-01	3.53900E-01	7.12150E-02	2.46030E-01
7.24100E+02	1.88490E-01	3.53910E-01	6.67090E-02	2.30470E-01
7.24200E+02	1.76290E-01	3.53930E-01	6.23960E-02	2.15570E-01
7.24300E+02	1.64700E-01	3.53950E-01	5.82950E-02	2.01400E-01
7.24400E+02	1.53760E-01	3.53960E-01	5.44250E-02	1.88030E-01
7.24500E+02	1.43530E-01	3.53980E-01	5.08070E-02	1.75530E-01
7.24600E+02	1.34050E-01	3.53990E-01	4.74510E-02	1.63940E-01
7.24700E+02	1.25320E-01	3.54010E-01	4.43630E-02	1.53260E-01
7.24800E+02	1.17310E-01	3.54020E-01	4.15320E-02	1.43480E-01
7.24900E+02	1.09980E-01	3.54040E-01	3.89370E-02	1.34520E-01
7.25000E+02	1.03220E-01	3.54050E-01	3.65470E-02	1.26260E-01
7.25100E+02	9.69310E-02	3.54060E-01	3.43200E-02	1.18570E-01
7.25200E+02	9.09810E-02	3.54080E-01	3.22140E-02	1.11290E-01
7.25300E+02	8.52640E-02	3.54090E-01	3.01910E-02	1.04310E-01
7.25400E+02	7.96950E-02	3.54120E-01	2.82210E-02	9.74990E-02
7.25500E+02	7.42250E-02	3.54140E-01	2.62860E-02	9.08140E-02
7.25600E+02	6.88500E-02	3.54170E-01	2.43840E-02	8.42430E-02
7.25700E+02	6.36060E-02	3.54190E-01	2.25290E-02	7.78320E-02

7.25800E+02	5.85600E-02	3.54220E-01	2.07430E-02	7.16630E-02
7.25900E+02	5.38000E-02	3.54240E-01	1.90580E-02	6.58420E-02
7.26000E+02	4.94110E-02	3.54260E-01	1.75050E-02	6.04750E-02
7.26100E+02	4.54630E-02	3.54320E-01	1.61080E-02	5.56510E-02
7.26200E+02	4.19900E-02	3.54370E-01	1.48800E-02	5.14080E-02
7.26300E+02	3.89930E-02	3.54420E-01	1.38200E-02	4.77460E-02
7.26400E+02	3.64280E-02	3.54480E-01	1.29130E-02	4.46120E-02
7.26500E+02	3.42230E-02	3.54530E-01	1.21330E-02	4.19170E-02
7.26600E+02	3.22820E-02	3.54580E-01	1.14470E-02	3.95460E-02
7.26700E+02	3.05100E-02	3.54640E-01	1.08200E-02	3.73800E-02
7.26800E+02	2.88220E-02	3.54690E-01	1.02230E-02	3.53180E-02
7.26900E+02	2.71620E-02	3.54740E-01	9.63550E-03	3.32890E-02
7.27000E+02	2.55040E-02	3.54800E-01	9.04900E-03	3.12620E-02
7.27100E+02	2.38590E-02	3.54850E-01	8.46640E-03	2.92500E-02
7.27200E+02	2.22630E-02	3.54900E-01	7.90100E-03	2.72970E-02
7.27300E+02	2.07670E-02	3.54960E-01	7.37150E-03	2.54670E-02
7.27400E+02	1.94260E-02	3.55020E-01	6.89680E-03	2.38270E-02
7.27500E+02	1.82820E-02	3.55090E-01	6.49180E-03	2.24280E-02
7.27600E+02	1.73550E-02	3.55150E-01	6.16340E-03	2.12930E-02
7.27700E+02	1.66340E-02	3.55210E-01	5.90850E-03	2.04130E-02
7.27800E+02	1.60850E-02	3.55270E-01	5.71440E-03	1.97420E-02
7.27900E+02	1.56500E-02	3.55330E-01	5.56090E-03	1.92120E-02
7.28000E+02	1.52620E-02	3.55390E-01	5.42400E-03	1.87390E-02
7.28100E+02	1.48560E-02	3.55470E-01	5.28070E-03	1.82440E-02
7.28200E+02	1.43780E-02	3.55560E-01	5.11230E-03	1.76620E-02
7.28300E+02	1.38000E-02	3.55640E-01	4.90770E-03	1.69550E-02
7.28400E+02	1.31140E-02	3.55720E-01	4.66500E-03	1.61170E-02
7.28500E+02	1.23410E-02	3.55800E-01	4.39100E-03	1.51700E-02
7.28600E+02	1.15170E-02	3.55890E-01	4.09870E-03	1.41600E-02
7.28700E+02	1.06880E-02	3.55970E-01	3.80470E-03	1.31450E-02
7.28800E+02	1.06230E-02	3.56050E-01	3.78220E-03	1.30670E-02
7.28900E+02	1.01550E-02	3.56130E-01	3.61670E-03	1.24950E-02
7.29000E+02	9.69630E-03	3.56210E-01	3.45390E-03	1.19330E-02
7.29100E+02	9.24050E-03	3.56290E-01	3.29230E-03	1.13740E-02
7.29200E+02	8.78610E-03	3.56370E-01	3.13110E-03	1.08170E-02
7.29300E+02	8.33380E-03	3.56440E-01	2.97050E-03	1.02630E-02
7.29400E+02	7.88540E-03	3.56520E-01	2.81130E-03	9.71250E-03
7.29500E+02	7.44420E-03	3.56590E-01	2.65450E-03	9.17090E-03
7.29600E+02	7.01340E-03	3.56670E-01	2.50150E-03	8.64210E-03
7.29700E+02	6.59670E-03	3.56740E-01	2.35330E-03	8.13030E-03
7.29800E+02	6.19780E-03	3.56820E-01	2.21150E-03	7.64020E-03
7.29900E+02	5.82060E-03	3.56890E-01	2.07730E-03	7.17670E-03
7.30000E+02	5.46960E-03	3.56960E-01	1.95240E-03	6.74530E-03

7.30100E+02	5.14920E-03	3.57020E-01	1.83840E-03	6.35130E-03
7.30200E+02	4.86380E-03	3.57080E-01	1.73680E-03	6.00020E-03
7.30300E+02	4.61640E-03	3.57140E-01	1.64870E-03	5.69590E-03
7.30400E+02	4.40820E-03	3.57200E-01	1.57460E-03	5.43990E-03
7.30500E+02	4.23730E-03	3.57250E-01	1.51380E-03	5.22990E-03
7.30600E+02	4.09810E-03	3.57310E-01	1.46430E-03	5.05880E-03
7.30700E+02	3.98130E-03	3.57370E-01	1.42280E-03	4.91550E-03
7.30800E+02	3.87480E-03	3.57430E-01	1.38500E-03	4.78480E-03
7.30900E+02	3.76490E-03	3.57490E-01	1.34590E-03	4.64990E-03
7.31000E+02	3.63870E-03	3.57540E-01	1.30100E-03	4.49460E-03
7.31100E+02	3.48590E-03	3.57600E-01	1.24660E-03	4.30660E-03
7.31200E+02	3.30140E-03	3.57670E-01	1.18080E-03	4.07950E-03
7.31300E+02	3.08630E-03	3.57740E-01	1.10410E-03	3.81440E-03
7.31400E+02	2.85970E-03	3.57810E-01	1.02320E-03	3.53500E-03
7.31500E+02	2.76540E-03	3.57870E-01	9.89660E-04	3.41910E-03
7.31600E+02	2.67100E-03	3.57940E-01	9.56080E-04	3.30310E-03
7.31700E+02	2.57670E-03	3.58010E-01	9.22480E-04	3.18700E-03
7.31800E+02	2.48230E-03	3.58080E-01	8.88880E-04	3.07090E-03
7.31900E+02	2.38800E-03	3.58150E-01	8.55260E-04	2.95470E-03
7.32000E+02	2.29370E-03	3.58210E-01	8.21620E-04	2.83850E-03
7.32100E+02	2.19930E-03	3.58280E-01	7.87990E-04	2.72230E-03
7.32200E+02	1.81440E-03	3.58360E-01	6.50210E-04	2.24640E-03
7.32300E+02	7.98120E-04	3.58430E-01	2.86070E-04	9.88320E-04
7.32400E+02	1.19930E-04	3.58500E-01	4.29950E-05	1.48540E-04
7.32500E+02	0.00000E+00	3.58570E-01	0.00000E+00	0.00000E+00
Channel 6				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.12800E+02	0.00000E+00	3.51460E-01	0.00000E+00	0.00000E+00
7.12900E+02	1.72790E-03	3.51450E-01	6.07280E-04	2.13450E-03
7.13000E+02	1.69340E-03	3.51450E-01	5.95130E-04	2.09180E-03
7.13100E+02	1.79130E-03	3.51450E-01	6.29560E-04	2.21280E-03
7.13200E+02	2.06540E-03	3.51440E-01	7.25860E-04	2.55130E-03
7.13300E+02	2.53830E-03	3.51440E-01	8.92050E-04	3.13550E-03
7.13400E+02	3.20000E-03	3.51440E-01	1.12460E-03	3.95280E-03
7.13500E+02	4.00130E-03	3.51430E-01	1.40620E-03	4.94270E-03
7.13600E+02	4.86100E-03	3.51430E-01	1.70830E-03	6.00450E-03
7.13700E+02	5.68170E-03	3.51430E-01	1.99670E-03	7.01820E-03
7.13800E+02	6.36970E-03	3.51430E-01	2.23850E-03	7.86810E-03
7.13900E+02	5.09840E-03	3.51430E-01	1.79180E-03	6.29790E-03
7.14000E+02	5.37330E-03	3.51440E-01	1.88840E-03	6.63750E-03

7.14100E+02	5.67310E-03	3.51370E-01	1.99340E-03	7.00660E-03
7.14200E+02	5.98740E-03	3.51310E-01	2.10340E-03	7.39350E-03
7.14300E+02	6.30200E-03	3.51250E-01	2.21360E-03	7.78050E-03
7.14400E+02	6.60140E-03	3.51180E-01	2.31830E-03	8.14860E-03
7.14500E+02	6.87220E-03	3.51120E-01	2.41300E-03	8.48140E-03
7.14600E+02	7.10670E-03	3.51060E-01	2.49480E-03	8.76920E-03
7.14700E+02	7.30500E-03	3.50990E-01	2.56400E-03	9.01220E-03
7.14800E+02	7.47580E-03	3.50930E-01	2.62350E-03	9.22140E-03
7.14900E+02	7.63540E-03	3.50870E-01	2.67900E-03	9.41650E-03
7.15000E+02	7.80450E-03	3.50800E-01	2.73780E-03	9.62320E-03
7.15100E+02	8.00470E-03	3.50740E-01	2.80750E-03	9.86830E-03
7.15200E+02	8.25440E-03	3.50670E-01	2.89460E-03	1.01740E-02
7.15300E+02	8.56520E-03	3.50610E-01	3.00300E-03	1.05550E-02
7.15400E+02	8.93960E-03	3.50540E-01	3.13370E-03	1.10150E-02
7.15500E+02	9.37110E-03	3.50480E-01	3.28440E-03	1.15440E-02
7.15600E+02	9.84530E-03	3.50410E-01	3.44990E-03	1.21260E-02
7.15700E+02	1.03430E-02	3.50360E-01	3.62390E-03	1.27380E-02
7.15800E+02	1.08460E-02	3.50310E-01	3.79940E-03	1.33540E-02
7.15900E+02	1.13360E-02	3.50260E-01	3.97060E-03	1.39560E-02
7.16000E+02	1.18050E-02	3.50210E-01	4.13430E-03	1.45320E-02
7.16100E+02	1.22520E-02	3.50250E-01	4.29140E-03	1.50840E-02
7.16200E+02	1.26870E-02	3.50280E-01	4.44390E-03	1.56200E-02
7.16300E+02	1.31240E-02	3.50320E-01	4.59740E-03	1.61600E-02
7.16400E+02	1.35830E-02	3.50350E-01	4.75880E-03	1.67270E-02
7.16500E+02	1.40840E-02	3.50380E-01	4.93490E-03	1.73460E-02
7.16600E+02	1.46430E-02	3.50420E-01	5.13130E-03	1.80360E-02
7.16700E+02	1.52690E-02	3.50450E-01	5.35100E-03	1.88080E-02
7.16800E+02	1.59610E-02	3.50480E-01	5.59410E-03	1.96630E-02
7.16900E+02	1.67130E-02	3.50520E-01	5.85830E-03	2.05910E-02
7.17000E+02	1.75130E-02	3.50550E-01	6.13910E-03	2.15780E-02
7.17100E+02	1.83450E-02	3.50580E-01	6.43130E-03	2.26060E-02
7.17200E+02	1.91960E-02	3.50610E-01	6.73050E-03	2.36570E-02
7.17300E+02	2.00610E-02	3.50650E-01	7.03410E-03	2.47240E-02
7.17400E+02	2.09380E-02	3.50680E-01	7.34260E-03	2.58090E-02
7.17500E+02	2.18400E-02	3.50710E-01	7.65950E-03	2.69220E-02
7.17600E+02	2.27840E-02	3.50750E-01	7.99150E-03	2.80890E-02
7.17700E+02	2.37930E-02	3.50820E-01	8.34730E-03	2.93400E-02
7.17800E+02	2.48960E-02	3.50890E-01	8.73560E-03	3.07050E-02
7.17900E+02	2.61140E-02	3.50960E-01	9.16490E-03	3.22140E-02
7.18000E+02	2.74680E-02	3.51020E-01	9.64180E-03	3.38900E-02
7.18100E+02	2.89680E-02	3.51040E-01	1.01690E-02	3.57430E-02
7.18200E+02	3.06190E-02	3.51050E-01	1.07490E-02	3.77820E-02
7.18300E+02	3.24170E-02	3.51070E-01	1.13810E-02	4.00020E-02

7.18400E+02	3.43540E-02	3.51090E-01	1.20610E-02	4.23940E-02
7.18500E+02	3.64210E-02	3.51100E-01	1.27870E-02	4.49470E-02
7.18600E+02	3.86100E-02	3.51120E-01	1.35570E-02	4.76510E-02
7.18700E+02	4.09220E-02	3.51130E-01	1.43690E-02	5.05060E-02
7.18800E+02	4.23830E-02	3.51150E-01	1.48830E-02	5.23110E-02
7.18900E+02	4.33610E-02	3.51160E-01	1.52270E-02	5.35200E-02
7.19000E+02	4.52800E-02	3.51180E-01	1.59010E-02	5.58920E-02
7.19100E+02	4.83580E-02	3.51190E-01	1.69830E-02	5.96940E-02
7.19200E+02	5.15650E-02	3.51210E-01	1.81100E-02	6.36550E-02
7.19300E+02	5.48630E-02	3.51220E-01	1.92690E-02	6.77300E-02
7.19400E+02	5.82420E-02	3.51230E-01	2.04570E-02	7.19040E-02
7.19500E+02	6.17190E-02	3.51250E-01	2.16790E-02	7.62000E-02
7.19600E+02	6.53390E-02	3.51300E-01	2.29540E-02	8.06810E-02
7.19700E+02	6.91660E-02	3.51360E-01	2.43020E-02	8.54190E-02
7.19800E+02	7.32690E-02	3.51410E-01	2.57470E-02	9.05000E-02
7.19900E+02	7.77150E-02	3.51460E-01	2.73140E-02	9.60060E-02
7.20000E+02	8.25550E-02	3.51510E-01	2.90190E-02	1.02000E-01
7.20100E+02	8.78180E-02	3.51530E-01	3.08710E-02	1.08510E-01
7.20200E+02	9.35140E-02	3.51550E-01	3.28750E-02	1.15550E-01
7.20300E+02	9.96380E-02	3.51570E-01	3.50300E-02	1.23130E-01
7.20400E+02	1.06180E-01	3.51590E-01	3.73300E-02	1.31210E-01
7.20500E+02	1.13110E-01	3.51610E-01	3.97720E-02	1.39800E-01
7.20600E+02	1.20450E-01	3.51630E-01	4.23530E-02	1.48870E-01
7.20700E+02	1.28180E-01	3.51650E-01	4.50740E-02	1.58430E-01
7.20800E+02	1.36330E-01	3.51670E-01	4.79410E-02	1.68510E-01
7.20900E+02	1.44910E-01	3.51680E-01	5.09610E-02	1.79120E-01
7.21000E+02	1.53940E-01	3.51700E-01	5.41410E-02	1.90300E-01
7.21100E+02	1.63430E-01	3.51720E-01	5.74820E-02	2.02050E-01
7.21200E+02	1.73370E-01	3.51740E-01	6.09830E-02	2.14350E-01
7.21300E+02	1.83740E-01	3.51760E-01	6.46320E-02	2.27180E-01
7.21400E+02	1.94480E-01	3.51780E-01	6.84170E-02	2.40480E-01
7.21500E+02	2.05570E-01	3.51820E-01	7.23210E-02	2.54200E-01
7.21600E+02	2.16940E-01	3.51850E-01	7.63300E-02	2.68290E-01
7.21700E+02	2.28570E-01	3.51890E-01	8.04310E-02	2.82710E-01
7.21800E+02	2.40460E-01	3.51920E-01	8.46250E-02	2.97450E-01
7.21900E+02	2.52640E-01	3.51960E-01	8.89200E-02	3.12550E-01
7.22000E+02	2.65160E-01	3.51990E-01	9.33350E-02	3.28070E-01
7.22100E+02	2.78080E-01	3.52080E-01	9.79070E-02	3.44140E-01
7.22200E+02	2.91470E-01	3.52170E-01	1.02650E-01	3.60800E-01
7.22300E+02	3.05370E-01	3.52260E-01	1.07570E-01	3.78100E-01
7.22400E+02	3.19790E-01	3.52350E-01	1.12680E-01	3.96060E-01
7.22500E+02	3.34700E-01	3.52440E-01	1.17960E-01	4.14630E-01
7.22600E+02	3.50010E-01	3.52530E-01	1.23390E-01	4.33700E-01

7.22700E+02	3.65570E-01	3.52620E-01	1.28910E-01	4.53100E-01
7.22800E+02	3.81220E-01	3.52710E-01	1.34460E-01	4.72610E-01
7.22900E+02	3.96780E-01	3.52800E-01	1.39980E-01	4.92030E-01
7.23000E+02	4.12080E-01	3.52890E-01	1.45420E-01	5.11140E-01
7.23100E+02	4.27010E-01	3.52980E-01	1.50720E-01	5.29790E-01
7.23200E+02	4.41480E-01	3.53070E-01	1.55870E-01	5.47870E-01
7.23300E+02	4.55470E-01	3.53160E-01	1.60850E-01	5.65380E-01
7.23400E+02	4.69020E-01	3.53260E-01	1.65680E-01	5.82360E-01
7.23500E+02	4.82190E-01	3.53360E-01	1.70390E-01	5.98910E-01
7.23600E+02	4.95100E-01	3.53470E-01	1.75000E-01	6.15120E-01
7.23700E+02	5.07800E-01	3.53580E-01	1.79550E-01	6.31100E-01
7.23800E+02	5.20370E-01	3.53690E-01	1.84050E-01	6.46910E-01
7.23900E+02	5.32810E-01	3.53790E-01	1.88500E-01	6.62580E-01
7.24000E+02	5.45080E-01	3.53900E-01	1.92900E-01	6.78040E-01
7.24100E+02	5.57090E-01	3.53910E-01	1.97160E-01	6.93010E-01
7.24200E+02	5.68740E-01	3.53930E-01	2.01300E-01	7.07540E-01
7.24300E+02	5.79910E-01	3.53950E-01	2.05260E-01	7.21470E-01
7.24400E+02	5.90510E-01	3.53960E-01	2.09020E-01	7.34680E-01
7.24500E+02	6.00460E-01	3.53980E-01	2.12550E-01	7.47100E-01
7.24600E+02	6.09760E-01	3.53990E-01	2.15850E-01	7.58700E-01
7.24700E+02	6.18450E-01	3.54010E-01	2.18940E-01	7.69540E-01
7.24800E+02	6.26600E-01	3.54020E-01	2.21830E-01	7.79720E-01
7.24900E+02	6.34320E-01	3.54040E-01	2.24570E-01	7.89350E-01
7.25000E+02	6.41710E-01	3.54050E-01	2.27200E-01	7.98590E-01
7.25100E+02	6.48870E-01	3.54060E-01	2.29740E-01	8.07520E-01
7.25200E+02	6.55830E-01	3.54080E-01	2.32210E-01	8.16220E-01
7.25300E+02	6.62600E-01	3.54090E-01	2.34620E-01	8.24680E-01
7.25400E+02	6.69150E-01	3.54120E-01	2.36960E-01	8.32890E-01
7.25500E+02	6.75390E-01	3.54140E-01	2.39180E-01	8.40710E-01
7.25600E+02	6.81240E-01	3.54170E-01	2.41270E-01	8.48060E-01
7.25700E+02	6.86630E-01	3.54190E-01	2.43200E-01	8.54830E-01
7.25800E+02	6.91520E-01	3.54220E-01	2.44950E-01	8.60970E-01
7.25900E+02	6.95900E-01	3.54240E-01	2.46520E-01	8.66480E-01
7.26000E+02	6.99840E-01	3.54260E-01	2.47930E-01	8.71450E-01
7.26100E+02	7.03440E-01	3.54320E-01	2.49240E-01	8.76060E-01
7.26200E+02	7.06820E-01	3.54370E-01	2.50480E-01	8.80410E-01
7.26300E+02	7.10130E-01	3.54420E-01	2.51690E-01	8.84660E-01
7.26400E+02	7.13490E-01	3.54480E-01	2.52920E-01	8.88980E-01
7.26500E+02	7.16970E-01	3.54530E-01	2.54190E-01	8.93450E-01
7.26600E+02	7.20600E-01	3.54580E-01	2.55510E-01	8.98100E-01
7.26700E+02	7.24340E-01	3.54640E-01	2.56880E-01	9.02910E-01
7.26800E+02	7.28130E-01	3.54690E-01	2.58260E-01	9.07760E-01
7.26900E+02	7.31840E-01	3.54740E-01	2.59620E-01	9.12540E-01

7.27000E+02	7.35370E-01	3.54800E-01	2.60910E-01	9.17070E-01
7.27100E+02	7.38610E-01	3.54850E-01	2.62100E-01	9.21250E-01
7.27200E+02	7.41510E-01	3.54900E-01	2.63160E-01	9.25000E-01
7.27300E+02	7.44050E-01	3.54960E-01	2.64110E-01	9.28320E-01
7.27400E+02	7.46280E-01	3.55020E-01	2.64950E-01	9.31270E-01
7.27500E+02	7.48280E-01	3.55090E-01	2.65700E-01	9.33930E-01
7.27600E+02	7.50180E-01	3.55150E-01	2.66420E-01	9.36460E-01
7.27700E+02	7.52080E-01	3.55210E-01	2.67150E-01	9.39000E-01
7.27800E+02	7.54090E-01	3.55270E-01	2.67900E-01	9.41670E-01
7.27900E+02	7.56260E-01	3.55330E-01	2.68720E-01	9.44540E-01
7.28000E+02	7.58600E-01	3.55390E-01	2.69600E-01	9.47620E-01
7.28100E+02	7.61070E-01	3.55470E-01	2.70540E-01	9.50920E-01
7.28200E+02	7.63570E-01	3.55560E-01	2.71490E-01	9.54280E-01
7.28300E+02	7.66020E-01	3.55640E-01	2.72430E-01	9.57560E-01
7.28400E+02	7.68300E-01	3.55720E-01	2.73300E-01	9.60630E-01
7.28500E+02	7.70340E-01	3.55800E-01	2.74090E-01	9.63400E-01
7.28600E+02	7.72080E-01	3.55890E-01	2.74770E-01	9.65810E-01
7.28700E+02	7.73550E-01	3.55970E-01	2.75360E-01	9.67860E-01
7.28800E+02	7.74780E-01	3.56050E-01	2.75860E-01	9.69620E-01
7.28900E+02	7.75860E-01	3.56130E-01	2.76310E-01	9.71200E-01
7.29000E+02	7.76900E-01	3.56210E-01	2.76740E-01	9.72720E-01
7.29100E+02	7.78000E-01	3.56290E-01	2.77190E-01	9.74320E-01
7.29200E+02	7.79240E-01	3.56370E-01	2.77700E-01	9.76090E-01
7.29300E+02	7.80680E-01	3.56440E-01	2.78270E-01	9.78090E-01
7.29400E+02	7.82300E-01	3.56520E-01	2.78900E-01	9.80330E-01
7.29500E+02	7.84080E-01	3.56590E-01	2.79600E-01	9.82760E-01
7.29600E+02	7.85920E-01	3.56670E-01	2.80310E-01	9.85280E-01
7.29700E+02	7.87750E-01	3.56740E-01	2.81020E-01	9.87780E-01
7.29800E+02	7.89460E-01	3.56820E-01	2.81690E-01	9.90130E-01
7.29900E+02	7.90970E-01	3.56890E-01	2.82290E-01	9.92230E-01
7.30000E+02	7.92240E-01	3.56960E-01	2.82800E-01	9.94020E-01
7.30100E+02	7.93220E-01	3.57020E-01	2.83200E-01	9.95420E-01
7.30200E+02	7.93950E-01	3.57080E-01	2.83500E-01	9.96490E-01
7.30300E+02	7.94450E-01	3.57140E-01	2.83730E-01	9.97280E-01
7.30400E+02	7.94780E-01	3.57200E-01	2.83890E-01	9.97860E-01
7.30500E+02	7.95000E-01	3.57250E-01	2.84010E-01	9.98290E-01
7.30600E+02	7.95150E-01	3.57310E-01	2.84120E-01	9.98650E-01
7.30700E+02	7.95270E-01	3.57370E-01	2.84210E-01	9.98970E-01
7.30800E+02	7.95380E-01	3.57430E-01	2.84290E-01	9.99260E-01
7.30900E+02	7.95470E-01	3.57490E-01	2.84370E-01	9.99530E-01
7.31000E+02	7.95520E-01	3.57540E-01	2.84430E-01	9.99760E-01
7.31100E+02	7.95510E-01	3.57600E-01	2.84480E-01	9.99920E-01
7.31200E+02	7.95430E-01	3.57670E-01	2.84500E-01	1.00000E+00

7.31300E+02	7.95250E-01	3.57740E-01	2.84490E-01	9.99970E-01
7.31400E+02	7.94990E-01	3.57810E-01	2.84450E-01	9.99830E-01
7.31500E+02	7.94660E-01	3.57870E-01	2.84390E-01	9.99610E-01
7.31600E+02	7.94280E-01	3.57940E-01	2.84310E-01	9.99320E-01
7.31700E+02	7.93870E-01	3.58010E-01	2.84210E-01	9.98990E-01
7.31800E+02	7.93470E-01	3.58080E-01	2.84120E-01	9.98670E-01
7.31900E+02	7.93080E-01	3.58150E-01	2.84040E-01	9.98370E-01
7.32000E+02	7.92720E-01	3.58210E-01	2.83960E-01	9.98100E-01
7.32100E+02	7.92370E-01	3.58280E-01	2.83900E-01	9.97870E-01
7.32200E+02	7.92040E-01	3.58360E-01	2.83830E-01	9.97650E-01
7.32300E+02	7.91710E-01	3.58430E-01	2.83770E-01	9.97430E-01
7.32400E+02	7.91360E-01	3.58500E-01	2.83700E-01	9.97180E-01
7.32500E+02	7.90980E-01	3.58570E-01	2.83620E-01	9.96910E-01
7.32600E+02	7.90580E-01	3.58640E-01	2.83540E-01	9.96610E-01
7.32700E+02	7.90170E-01	3.58710E-01	2.83450E-01	9.96290E-01
7.32800E+02	7.89760E-01	3.58790E-01	2.83350E-01	9.95970E-01
7.32900E+02	7.89360E-01	3.58860E-01	2.83270E-01	9.95670E-01
7.33000E+02	7.89000E-01	3.58930E-01	2.83200E-01	9.95410E-01
7.33100E+02	7.88670E-01	3.59020E-01	2.83150E-01	9.95250E-01
7.33200E+02	7.88380E-01	3.59110E-01	2.83120E-01	9.95140E-01
7.33300E+02	7.88120E-01	3.59210E-01	2.83100E-01	9.95060E-01
7.33400E+02	7.87870E-01	3.59300E-01	2.83080E-01	9.95000E-01
7.33500E+02	7.87610E-01	3.59390E-01	2.83060E-01	9.94930E-01
7.33600E+02	7.87320E-01	3.59480E-01	2.83030E-01	9.94820E-01
7.33700E+02	7.86990E-01	3.59570E-01	2.82980E-01	9.94650E-01
7.33800E+02	7.86610E-01	3.59670E-01	2.82920E-01	9.94430E-01
7.33900E+02	7.86180E-01	3.59760E-01	2.82830E-01	9.94140E-01
7.34000E+02	7.85700E-01	3.59850E-01	2.82740E-01	9.93790E-01
7.34100E+02	7.85200E-01	3.59930E-01	2.82610E-01	9.93360E-01
7.34200E+02	7.84670E-01	3.60000E-01	2.82480E-01	9.92900E-01
7.34300E+02	7.84120E-01	3.60080E-01	2.82340E-01	9.92420E-01
7.34400E+02	7.83550E-01	3.60150E-01	2.82200E-01	9.91910E-01
7.34500E+02	7.82950E-01	3.60230E-01	2.82040E-01	9.91350E-01
7.34600E+02	7.82290E-01	3.60310E-01	2.81860E-01	9.90730E-01
7.34700E+02	7.81570E-01	3.60380E-01	2.81660E-01	9.90020E-01
7.34800E+02	7.80740E-01	3.60460E-01	2.81430E-01	9.89190E-01
7.34900E+02	7.79810E-01	3.60530E-01	2.81150E-01	9.88220E-01
7.35000E+02	7.78760E-01	3.60620E-01	2.80840E-01	9.87120E-01
7.35100E+02	7.77600E-01	3.60700E-01	2.80480E-01	9.85880E-01
7.35200E+02	7.76330E-01	3.60790E-01	2.80090E-01	9.84490E-01
7.35300E+02	7.74960E-01	3.60870E-01	2.79660E-01	9.83000E-01
7.35400E+02	7.73530E-01	3.60960E-01	2.79210E-01	9.81410E-01
7.35500E+02	7.72030E-01	3.61040E-01	2.78740E-01	9.79740E-01

7.35600E+02	7.70480E-01	3.61130E-01	2.78240E-01	9.78000E-01
7.35700E+02	7.68850E-01	3.61220E-01	2.77720E-01	9.76170E-01
7.35800E+02	7.67140E-01	3.61300E-01	2.77170E-01	9.74230E-01
7.35900E+02	7.65310E-01	3.61390E-01	2.76570E-01	9.72130E-01
7.36000E+02	7.63320E-01	3.61470E-01	2.75920E-01	9.69840E-01
7.36100E+02	7.61150E-01	3.61660E-01	2.75280E-01	9.67580E-01
7.36200E+02	7.58760E-01	3.61840E-01	2.74550E-01	9.65030E-01
7.36300E+02	7.56120E-01	3.62030E-01	2.73740E-01	9.62170E-01
7.36400E+02	7.53250E-01	3.62210E-01	2.72840E-01	9.59000E-01
7.36500E+02	7.50130E-01	3.62400E-01	2.71850E-01	9.55520E-01
7.36600E+02	7.46770E-01	3.62580E-01	2.70770E-01	9.51730E-01
7.36700E+02	7.43180E-01	3.62770E-01	2.69600E-01	9.47640E-01
7.36800E+02	7.39350E-01	3.62960E-01	2.68350E-01	9.43240E-01
7.36900E+02	7.35270E-01	3.63150E-01	2.67010E-01	9.38520E-01
7.37000E+02	7.30890E-01	3.63340E-01	2.65560E-01	9.33420E-01
7.37100E+02	7.26160E-01	3.63530E-01	2.63980E-01	9.27870E-01
7.37200E+02	7.21000E-01	3.63730E-01	2.62250E-01	9.21780E-01
7.37300E+02	7.15350E-01	3.63920E-01	2.60330E-01	9.15040E-01
7.37400E+02	7.09130E-01	3.64120E-01	2.58210E-01	9.07570E-01
7.37500E+02	7.02280E-01	3.64310E-01	2.55850E-01	8.99280E-01
7.37600E+02	6.94750E-01	3.64500E-01	2.53240E-01	8.90120E-01
7.37700E+02	6.86540E-01	3.64700E-01	2.50380E-01	8.80070E-01
7.37800E+02	6.77650E-01	3.64890E-01	2.47270E-01	8.69140E-01
7.37900E+02	6.68120E-01	3.65090E-01	2.43930E-01	8.57380E-01
7.38000E+02	6.58000E-01	3.65290E-01	2.40360E-01	8.44850E-01
7.38100E+02	6.47350E-01	3.65500E-01	2.36600E-01	8.31650E-01
7.38200E+02	6.36210E-01	3.65710E-01	2.32670E-01	8.17810E-01
7.38300E+02	6.24630E-01	3.65920E-01	2.28560E-01	8.03380E-01
7.38400E+02	6.12610E-01	3.66130E-01	2.24300E-01	7.88390E-01
7.38500E+02	6.00180E-01	3.66340E-01	2.19870E-01	7.72840E-01
7.38600E+02	5.87310E-01	3.66560E-01	2.15280E-01	7.56700E-01
7.38700E+02	5.73990E-01	3.66770E-01	2.10520E-01	7.39970E-01
7.38800E+02	5.60200E-01	3.66980E-01	2.05580E-01	7.22610E-01
7.38900E+02	5.45950E-01	3.67200E-01	2.00470E-01	7.04630E-01
7.39000E+02	5.31240E-01	3.67410E-01	1.95180E-01	6.86060E-01
7.39100E+02	5.16140E-01	3.67630E-01	1.89750E-01	6.66950E-01
7.39200E+02	5.00710E-01	3.67840E-01	1.84180E-01	6.47390E-01
7.39300E+02	4.85050E-01	3.68060E-01	1.78530E-01	6.27510E-01
7.39400E+02	4.69260E-01	3.68270E-01	1.72820E-01	6.07440E-01
7.39500E+02	4.53440E-01	3.68490E-01	1.67090E-01	5.87310E-01
7.39600E+02	4.37690E-01	3.68700E-01	1.61380E-01	5.67230E-01
7.39700E+02	4.22070E-01	3.68920E-01	1.55710E-01	5.47310E-01
7.39800E+02	4.06610E-01	3.69140E-01	1.50100E-01	5.27570E-01

7.39900E+02	3.91330E-01	3.69350E-01	1.44540E-01	5.08050E-01
7.40000E+02	3.76220E-01	3.69570E-01	1.39040E-01	4.88710E-01
7.40100E+02	3.61240E-01	3.69700E-01	1.33550E-01	4.69410E-01
7.40200E+02	3.46350E-01	3.69830E-01	1.28090E-01	4.50230E-01
7.40300E+02	3.31550E-01	3.69950E-01	1.22660E-01	4.31130E-01
7.40400E+02	3.16820E-01	3.70080E-01	1.17250E-01	4.12120E-01
7.40500E+02	3.02180E-01	3.70210E-01	1.11870E-01	3.93220E-01
7.40600E+02	2.87700E-01	3.70340E-01	1.06550E-01	3.74500E-01
7.40700E+02	2.73440E-01	3.70460E-01	1.01300E-01	3.56070E-01
7.40800E+02	2.59510E-01	3.70590E-01	9.61730E-02	3.38040E-01
7.40900E+02	2.45990E-01	3.70720E-01	9.11960E-02	3.20550E-01
7.41000E+02	2.32980E-01	3.70850E-01	8.64020E-02	3.03700E-01
7.41100E+02	2.20540E-01	3.70980E-01	8.18170E-02	2.87580E-01
7.41200E+02	2.08710E-01	3.71110E-01	7.74540E-02	2.72240E-01
7.41300E+02	1.97480E-01	3.71240E-01	7.33140E-02	2.57690E-01
7.41400E+02	1.86840E-01	3.71370E-01	6.93880E-02	2.43890E-01
7.41500E+02	1.76740E-01	3.71500E-01	6.56590E-02	2.30790E-01
7.41600E+02	1.67110E-01	3.71630E-01	6.21030E-02	2.18290E-01
7.41700E+02	1.57900E-01	3.71760E-01	5.86990E-02	2.06320E-01
7.41800E+02	1.49050E-01	3.71890E-01	5.54290E-02	1.94830E-01
7.41900E+02	1.40530E-01	3.72020E-01	5.22810E-02	1.83760E-01
7.42000E+02	1.32350E-01	3.72150E-01	4.92550E-02	1.73130E-01
7.42100E+02	1.24520E-01	3.72310E-01	4.63610E-02	1.62960E-01
7.42200E+02	1.17080E-01	3.72460E-01	4.36070E-02	1.53280E-01
7.42300E+02	1.10060E-01	3.72620E-01	4.10110E-02	1.44150E-01
7.42400E+02	1.03510E-01	3.72780E-01	3.85850E-02	1.35620E-01
7.42500E+02	9.74390E-02	3.72940E-01	3.63390E-02	1.27730E-01
7.42600E+02	9.18600E-02	3.73100E-01	3.42730E-02	1.20470E-01
7.42700E+02	8.67460E-02	3.73250E-01	3.23780E-02	1.13810E-01
7.42800E+02	8.20490E-02	3.73410E-01	3.06380E-02	1.07690E-01
7.42900E+02	7.77020E-02	3.73570E-01	2.90270E-02	1.02030E-01
7.43000E+02	7.36330E-02	3.73720E-01	2.75180E-02	9.67250E-02
7.43100E+02	6.97700E-02	3.73880E-01	2.60860E-02	9.16890E-02
7.43200E+02	6.60530E-02	3.74040E-01	2.47070E-02	8.68420E-02
7.43300E+02	6.24440E-02	3.74200E-01	2.33660E-02	8.21310E-02
7.43400E+02	5.89260E-02	3.74360E-01	2.20590E-02	7.75370E-02
7.43500E+02	5.55040E-02	3.74520E-01	2.07870E-02	7.30660E-02
7.43600E+02	5.22020E-02	3.74680E-01	1.95590E-02	6.87480E-02
7.43700E+02	4.90510E-02	3.74840E-01	1.83860E-02	6.46250E-02
7.43800E+02	4.60820E-02	3.75000E-01	1.72810E-02	6.07400E-02
7.43900E+02	4.33190E-02	3.75160E-01	1.62510E-02	5.71230E-02
7.44000E+02	4.14240E-02	3.75320E-01	1.55470E-02	5.46470E-02
7.44100E+02	4.07700E-02	3.75530E-01	1.53100E-02	5.38150E-02

7.44200E+02	3.91550E-02	3.75740E-01	1.47120E-02	5.17120E-02
7.44300E+02	3.70390E-02	3.75950E-01	1.39250E-02	4.89450E-02
7.44400E+02	3.50760E-02	3.76160E-01	1.31940E-02	4.63770E-02
7.44500E+02	3.32650E-02	3.76380E-01	1.25200E-02	4.40070E-02
7.44600E+02	3.16000E-02	3.76590E-01	1.19010E-02	4.18290E-02
7.44700E+02	3.00720E-02	3.76830E-01	1.13320E-02	3.98300E-02
7.44800E+02	2.86640E-02	3.77060E-01	1.08080E-02	3.79900E-02
7.44900E+02	2.73610E-02	3.77300E-01	1.03230E-02	3.62850E-02
7.45000E+02	2.61430E-02	3.77530E-01	9.86980E-03	3.46920E-02
7.45100E+02	2.49940E-02	3.77760E-01	9.44160E-03	3.31870E-02
7.45200E+02	2.38980E-02	3.77990E-01	9.03340E-03	3.17520E-02
7.45300E+02	2.28490E-02	3.78230E-01	8.64210E-03	3.03760E-02
7.45400E+02	2.18430E-02	3.78460E-01	8.26650E-03	2.90560E-02
7.45500E+02	2.08810E-02	3.78690E-01	7.90750E-03	2.77940E-02
7.45600E+02	1.99700E-02	3.78930E-01	7.56730E-03	2.65980E-02
7.45700E+02	1.91170E-02	3.79160E-01	7.24850E-03	2.54780E-02
7.45800E+02	1.83280E-02	3.79390E-01	6.95340E-03	2.44410E-02
7.45900E+02	1.76050E-02	3.79630E-01	6.68310E-03	2.34910E-02
7.46000E+02	1.69450E-02	3.79860E-01	6.43660E-03	2.26240E-02
7.46100E+02	1.63410E-02	3.80050E-01	6.21030E-03	2.18290E-02
7.46200E+02	1.57790E-02	3.80240E-01	6.00000E-03	2.10890E-02
7.46300E+02	1.52450E-02	3.80440E-01	5.79960E-03	2.03850E-02
7.46400E+02	1.47200E-02	3.80630E-01	5.60290E-03	1.96940E-02
7.46500E+02	1.41910E-02	3.80820E-01	5.40420E-03	1.89950E-02
7.46600E+02	1.36460E-02	3.81020E-01	5.19950E-03	1.82760E-02
7.46700E+02	1.30810E-02	3.81230E-01	4.98690E-03	1.75280E-02
7.46800E+02	1.24970E-02	3.81440E-01	4.76670E-03	1.67550E-02
7.46900E+02	1.19000E-02	3.81640E-01	4.54150E-03	1.59630E-02
7.47000E+02	1.13000E-02	3.81850E-01	4.31510E-03	1.51670E-02
7.47100E+02	1.07110E-02	3.82050E-01	4.09210E-03	1.43830E-02
7.47200E+02	1.01420E-02	3.82260E-01	3.87670E-03	1.36260E-02
7.47300E+02	9.60100E-03	3.82470E-01	3.67210E-03	1.29070E-02
7.47400E+02	9.09350E-03	3.82670E-01	3.47980E-03	1.22310E-02
7.47500E+02	8.61850E-03	3.82880E-01	3.29990E-03	1.15990E-02
7.47600E+02	8.17240E-03	3.83090E-01	3.13070E-03	1.10040E-02
7.47700E+02	7.74940E-03	3.83290E-01	2.97030E-03	1.04400E-02
7.47800E+02	7.34440E-03	3.83500E-01	2.81660E-03	9.90000E-03
7.47900E+02	6.95450E-03	3.83710E-01	2.66850E-03	9.37950E-03
7.48000E+02	6.58030E-03	3.83910E-01	2.52630E-03	8.87970E-03
7.48100E+02	6.22650E-03	3.84190E-01	2.39210E-03	8.40820E-03
7.48200E+02	5.90070E-03	3.84470E-01	2.26860E-03	7.97410E-03
7.48300E+02	5.61300E-03	3.84740E-01	2.15960E-03	7.59070E-03
7.48400E+02	5.37310E-03	3.85020E-01	2.06880E-03	7.27150E-03

7.48500E+02	5.18860E-03	3.85300E-01	1.99920E-03	7.02700E-03
7.48600E+02	5.06270E-03	3.85590E-01	1.95210E-03	6.86160E-03
7.48700E+02	4.99340E-03	3.85870E-01	1.92680E-03	6.77270E-03
7.48800E+02	4.97310E-03	3.86160E-01	1.92040E-03	6.75010E-03
7.48900E+02	4.99000E-03	3.86440E-01	1.92840E-03	6.77810E-03
7.49000E+02	5.02990E-03	3.86730E-01	1.94520E-03	6.83730E-03
7.49100E+02	5.07870E-03	3.87010E-01	1.96550E-03	6.90870E-03
7.49200E+02	5.12430E-03	3.87300E-01	1.98470E-03	6.97590E-03
7.49300E+02	5.15870E-03	3.87590E-01	1.99950E-03	7.02800E-03
7.49400E+02	5.17840E-03	3.87870E-01	2.00860E-03	7.06000E-03
7.49500E+02	5.18380E-03	3.88160E-01	2.01210E-03	7.07250E-03
7.49600E+02	5.17840E-03	3.88450E-01	2.01150E-03	7.07040E-03
7.49700E+02	5.16670E-03	3.88730E-01	2.00850E-03	7.05960E-03
7.49800E+02	5.15180E-03	3.89020E-01	2.00420E-03	7.04440E-03
7.49900E+02	5.13390E-03	3.89310E-01	1.99870E-03	7.02510E-03
7.50000E+02	5.10870E-03	3.89590E-01	1.99030E-03	6.99580E-03
7.50100E+02	5.06780E-03	3.89900E-01	1.97590E-03	6.94520E-03
7.50200E+02	5.00050E-03	3.90200E-01	1.95120E-03	6.85830E-03
7.50300E+02	4.89620E-03	3.90500E-01	1.91200E-03	6.72050E-03
7.50400E+02	4.74700E-03	3.90800E-01	1.85520E-03	6.52080E-03
7.50500E+02	3.69180E-03	3.91110E-01	1.44390E-03	5.07520E-03
7.50600E+02	3.05470E-03	3.91410E-01	1.19560E-03	4.20250E-03
7.50700E+02	2.60570E-03	3.91710E-01	1.02070E-03	3.58760E-03
7.50800E+02	2.33610E-03	3.92010E-01	9.15770E-04	3.21880E-03
7.50900E+02	2.20680E-03	3.92310E-01	8.65750E-04	3.04300E-03
7.51000E+02	2.15810E-03	3.92610E-01	8.47310E-04	2.97820E-03
7.51100E+02	2.12770E-03	3.92910E-01	8.36000E-04	2.93850E-03
7.51200E+02	2.06960E-03	3.93220E-01	8.13790E-04	2.86040E-03
7.51300E+02	1.96760E-03	3.93520E-01	7.74280E-04	2.72160E-03
7.51400E+02	1.83880E-03	3.93830E-01	7.24160E-04	2.54540E-03
7.51500E+02	0.00000E+00	3.94130E-01	0.00000E+00	0.00000E+00
Channel 7				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.28030E+02	0.00000E+00	3.55420E-01	0.00000E+00	0.00000E+00
7.29480E+02	1.30520E-03	3.56580E-01	4.65410E-04	1.59850E-03
7.30230E+02	2.89470E-03	3.57100E-01	1.03370E-03	3.55050E-03
7.31180E+02	5.47300E-03	3.57660E-01	1.95750E-03	6.72330E-03
7.32220E+02	9.90190E-03	3.58370E-01	3.54850E-03	1.21880E-02
7.33310E+02	1.67880E-02	3.59220E-01	6.03070E-03	2.07140E-02
7.33850E+02	2.62870E-02	3.59710E-01	9.45560E-03	3.24770E-02

7.34680E+02	3.85480E-02	3.60370E-01	1.38910E-02	4.77130E-02
7.35800E+02	5.48670E-02	3.61300E-01	1.98240E-02	6.80880E-02
7.36540E+02	7.86390E-02	3.62480E-01	2.85050E-02	9.79050E-02
7.37020E+02	1.15080E-01	3.63380E-01	4.18190E-02	1.43630E-01
7.38100E+02	1.69400E-01	3.65500E-01	6.19160E-02	2.12660E-01
7.39380E+02	2.43930E-01	3.68220E-01	8.98190E-02	3.08500E-01
7.40160E+02	3.35700E-01	3.69770E-01	1.24130E-01	4.26360E-01
7.40830E+02	4.35990E-01	3.70640E-01	1.61590E-01	5.55030E-01
7.41860E+02	5.32520E-01	3.71960E-01	1.98080E-01	6.80340E-01
7.42920E+02	6.13510E-01	3.73600E-01	2.29210E-01	7.87250E-01
7.43720E+02	6.71800E-01	3.74860E-01	2.51830E-01	8.64960E-01
7.44060E+02	7.06930E-01	3.75450E-01	2.65410E-01	9.11620E-01
7.44320E+02	7.24380E-01	3.75990E-01	2.72360E-01	9.35460E-01
7.44730E+02	7.32350E-01	3.76890E-01	2.76020E-01	9.48030E-01
7.44950E+02	7.37930E-01	3.77410E-01	2.78500E-01	9.56570E-01
7.45290E+02	7.44580E-01	3.78200E-01	2.81600E-01	9.67220E-01
7.45710E+02	7.51960E-01	3.79180E-01	2.85130E-01	9.79330E-01
7.46170E+02	7.57650E-01	3.80180E-01	2.88040E-01	9.89340E-01
7.46550E+02	7.59570E-01	3.80920E-01	2.89330E-01	9.93780E-01
7.47170E+02	7.57570E-01	3.82210E-01	2.89550E-01	9.94510E-01
7.47890E+02	7.53410E-01	3.83690E-01	2.89080E-01	9.92880E-01
7.48520E+02	7.49450E-01	3.85350E-01	2.88800E-01	9.91940E-01
7.49000E+02	7.47220E-01	3.86720E-01	2.88970E-01	9.92520E-01
7.49540E+02	7.46580E-01	3.88280E-01	2.89880E-01	9.95640E-01
7.49710E+02	7.46050E-01	3.88770E-01	2.90040E-01	9.96210E-01
7.50530E+02	7.43930E-01	3.91210E-01	2.91030E-01	9.99610E-01
7.51390E+02	7.39330E-01	3.93800E-01	2.91150E-01	1.00000E+00
7.52170E+02	7.32550E-01	3.96130E-01	2.90190E-01	9.96710E-01
7.52730E+02	7.24580E-01	3.97800E-01	2.88240E-01	9.90000E-01
7.53360E+02	7.16110E-01	3.99660E-01	2.86200E-01	9.83010E-01
7.54010E+02	7.06740E-01	4.01580E-01	2.83820E-01	9.74820E-01
7.54710E+02	6.94830E-01	4.03810E-01	2.80580E-01	9.63700E-01
7.55380E+02	6.78080E-01	4.05940E-01	2.75260E-01	9.45430E-01
7.55750E+02	6.54580E-01	4.07090E-01	2.66470E-01	9.15250E-01
7.56420E+02	6.23720E-01	4.08720E-01	2.54930E-01	8.75600E-01
7.56990E+02	5.86550E-01	4.09830E-01	2.40390E-01	8.25660E-01
7.57630E+02	5.45330E-01	4.11110E-01	2.24190E-01	7.70030E-01
7.58080E+02	5.02610E-01	4.12110E-01	2.07130E-01	7.11430E-01
7.58530E+02	4.60220E-01	4.13530E-01	1.90320E-01	6.53680E-01
7.58990E+02	4.18800E-01	4.15000E-01	1.73800E-01	5.96960E-01
7.59280E+02	3.77970E-01	4.15910E-01	1.57200E-01	5.39940E-01
7.59630E+02	3.37100E-01	4.17050E-01	1.40590E-01	4.82880E-01
7.60050E+02	2.96200E-01	4.18400E-01	1.23930E-01	4.25650E-01

7.60580E+02	2.56300E-01	4.20090E-01	1.07670E-01	3.69810E-01
7.60940E+02	2.19190E-01	4.21280E-01	9.23400E-02	3.17160E-01
7.61450E+02	1.86540E-01	4.22890E-01	7.88860E-02	2.70950E-01
7.61760E+02	1.59030E-01	4.23900E-01	6.74130E-02	2.31540E-01
7.62180E+02	1.35970E-01	4.25120E-01	5.78020E-02	1.98530E-01
7.62680E+02	1.15680E-01	4.26430E-01	4.93290E-02	1.69430E-01
7.63190E+02	9.64600E-02	4.27740E-01	4.12600E-02	1.41710E-01
7.63650E+02	7.74480E-02	4.28920E-01	3.32190E-02	1.14100E-01
7.64310E+02	5.89610E-02	4.30940E-01	2.54090E-02	8.72720E-02
7.65140E+02	4.21110E-02	4.33970E-01	1.82750E-02	6.27700E-02
7.65970E+02	2.80460E-02	4.37010E-01	1.22560E-02	4.20960E-02
7.67060E+02	1.73050E-02	4.40260E-01	7.61870E-03	2.61680E-02
7.68330E+02	9.64080E-03	4.44680E-01	4.28710E-03	1.47250E-02
7.69700E+02	4.37610E-03	4.51430E-01	1.97550E-03	6.78520E-03
7.71040E+02	9.49860E-04	4.56210E-01	4.33330E-04	1.48840E-03
7.72320E+02	0.00000E+00	4.60160E-01	0.00000E+00	0.00000E+00
Channel 8				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
8.68680E+02	0.00000E+00	5.19840E-01	0.00000E+00	0.00000E+00
8.68780E+02	1.49200E-03	5.19800E-01	7.75570E-04	1.66610E-03
8.68880E+02	2.46640E-03	5.19770E-01	1.28200E-03	2.75400E-03
8.68980E+02	2.43280E-03	5.19740E-01	1.26440E-03	2.71630E-03
8.69080E+02	2.39490E-03	5.19710E-01	1.24470E-03	2.67380E-03
8.69180E+02	2.35610E-03	5.19680E-01	1.22440E-03	2.63040E-03
8.69280E+02	2.32050E-03	5.19650E-01	1.20590E-03	2.59050E-03
8.69380E+02	2.29250E-03	5.19620E-01	1.19130E-03	2.55910E-03
8.69480E+02	2.27690E-03	5.19590E-01	1.18310E-03	2.54150E-03
8.69580E+02	2.27830E-03	5.19570E-01	1.18370E-03	2.54290E-03
8.69680E+02	2.30080E-03	5.19540E-01	1.19540E-03	2.56790E-03
8.69780E+02	2.34810E-03	5.19520E-01	1.21990E-03	2.62060E-03
8.69880E+02	2.42300E-03	5.19490E-01	1.25870E-03	2.70400E-03
8.69980E+02	2.52700E-03	5.19460E-01	1.31270E-03	2.82000E-03
8.70080E+02	2.66080E-03	5.19480E-01	1.38220E-03	2.96930E-03
8.70180E+02	2.82350E-03	5.19510E-01	1.46680E-03	3.15110E-03
8.70280E+02	3.01350E-03	5.19530E-01	1.56560E-03	3.36330E-03
8.70380E+02	3.22770E-03	5.19560E-01	1.67700E-03	3.60250E-03
8.70480E+02	3.46230E-03	5.19590E-01	1.79900E-03	3.86460E-03
8.70580E+02	3.71310E-03	5.19620E-01	1.92940E-03	4.14470E-03
8.70680E+02	3.97510E-03	5.19650E-01	2.06570E-03	4.43750E-03
8.70780E+02	4.24370E-03	5.19680E-01	2.20540E-03	4.73760E-03

8.70880E+02	4.51430E-03	5.19710E-01	2.34620E-03	5.04010E-03
8.70980E+02	4.78300E-03	5.19740E-01	2.48590E-03	5.34040E-03
8.71080E+02	5.04660E-03	5.19780E-01	2.62310E-03	5.63500E-03
8.71180E+02	5.30260E-03	5.19810E-01	2.75640E-03	5.92130E-03
8.71280E+02	5.55020E-03	5.19840E-01	2.88520E-03	6.19810E-03
8.71380E+02	5.78920E-03	5.19880E-01	3.00970E-03	6.46550E-03
8.71480E+02	6.02090E-03	5.19910E-01	3.13030E-03	6.72460E-03
8.71580E+02	6.24730E-03	5.19950E-01	3.24830E-03	6.97800E-03
8.71680E+02	6.47170E-03	5.19980E-01	3.36520E-03	7.22920E-03
8.71780E+02	6.69780E-03	5.20020E-01	3.48300E-03	7.48220E-03
8.71880E+02	6.92960E-03	5.20060E-01	3.60380E-03	7.74170E-03
8.71980E+02	7.17150E-03	5.20090E-01	3.72980E-03	8.01250E-03
8.72080E+02	7.42740E-03	5.20190E-01	3.86370E-03	8.30000E-03
8.72180E+02	7.70120E-03	5.20290E-01	4.00690E-03	8.60770E-03
8.72280E+02	7.99560E-03	5.20400E-01	4.16090E-03	8.93860E-03
8.72380E+02	8.31280E-03	5.20510E-01	4.32690E-03	9.29520E-03
8.72480E+02	8.65400E-03	5.20620E-01	4.50540E-03	9.67860E-03
8.72580E+02	9.01920E-03	5.20730E-01	4.69650E-03	1.00890E-02
8.72680E+02	9.40770E-03	5.20840E-01	4.89990E-03	1.05260E-02
8.72780E+02	9.81790E-03	5.20940E-01	5.11460E-03	1.09870E-02
8.72880E+02	1.02470E-02	5.21060E-01	5.33950E-03	1.14700E-02
8.72980E+02	1.06940E-02	5.21170E-01	5.57330E-03	1.19730E-02
8.73080E+02	1.11540E-02	5.21280E-01	5.81420E-03	1.24900E-02
8.73180E+02	1.16250E-02	5.21380E-01	6.06090E-03	1.30200E-02
8.73280E+02	1.21040E-02	5.21490E-01	6.31200E-03	1.35600E-02
8.73380E+02	1.25890E-02	5.21600E-01	6.56670E-03	1.41070E-02
8.73480E+02	1.30800E-02	5.21710E-01	6.82400E-03	1.46600E-02
8.73580E+02	1.35760E-02	5.21820E-01	7.08410E-03	1.52180E-02
8.73680E+02	1.40770E-02	5.21930E-01	7.34710E-03	1.57830E-02
8.73780E+02	1.45850E-02	5.22050E-01	7.61390E-03	1.63560E-02
8.73880E+02	1.51030E-02	5.22170E-01	7.88620E-03	1.69410E-02
8.73980E+02	1.56340E-02	5.22310E-01	8.16560E-03	1.75420E-02
8.74080E+02	1.61820E-02	5.22400E-01	8.45350E-03	1.81600E-02
8.74180E+02	1.67520E-02	5.22490E-01	8.75250E-03	1.88020E-02
8.74280E+02	1.73470E-02	5.22570E-01	9.06510E-03	1.94740E-02
8.74380E+02	1.79730E-02	5.22660E-01	9.39380E-03	2.01800E-02
8.74480E+02	1.86330E-02	5.22750E-01	9.74020E-03	2.09240E-02
8.74580E+02	1.93300E-02	5.22840E-01	1.01060E-02	2.17110E-02
8.74680E+02	2.00670E-02	5.22930E-01	1.04930E-02	2.25420E-02
8.74780E+02	2.08450E-02	5.23020E-01	1.09020E-02	2.34210E-02
8.74880E+02	2.16650E-02	5.23110E-01	1.13330E-02	2.43460E-02
8.74980E+02	2.25250E-02	5.23200E-01	1.17850E-02	2.53170E-02
8.75080E+02	2.34250E-02	5.23290E-01	1.22580E-02	2.63340E-02

8.75180E+02	2.43630E-02	5.23380E-01	1.27510E-02	2.73920E-02
8.75280E+02	2.53350E-02	5.23480E-01	1.32620E-02	2.84900E-02
8.75380E+02	2.63380E-02	5.23570E-01	1.37900E-02	2.96230E-02
8.75480E+02	2.73690E-02	5.23670E-01	1.43320E-02	3.07890E-02
8.75580E+02	2.84260E-02	5.23760E-01	1.48880E-02	3.19830E-02
8.75680E+02	2.95050E-02	5.23860E-01	1.54560E-02	3.32040E-02
8.75780E+02	3.06050E-02	5.23950E-01	1.60360E-02	3.44480E-02
8.75880E+02	3.17260E-02	5.24040E-01	1.66260E-02	3.57160E-02
8.75980E+02	3.05580E-02	5.24130E-01	1.60160E-02	3.44060E-02
8.76080E+02	3.15430E-02	5.24180E-01	1.65340E-02	3.55190E-02
8.76180E+02	3.26260E-02	5.24220E-01	1.71030E-02	3.67420E-02
8.76280E+02	3.38080E-02	5.24260E-01	1.77240E-02	3.80750E-02
8.76380E+02	3.50830E-02	5.24300E-01	1.83940E-02	3.95150E-02
8.76480E+02	3.64460E-02	5.24350E-01	1.91100E-02	4.10530E-02
8.76580E+02	3.78860E-02	5.24390E-01	1.98670E-02	4.26790E-02
8.76680E+02	3.93920E-02	5.24430E-01	2.06580E-02	4.43790E-02
8.76780E+02	4.09510E-02	5.24480E-01	2.14780E-02	4.61390E-02
8.76880E+02	4.25530E-02	5.24520E-01	2.23200E-02	4.79480E-02
8.76980E+02	4.41880E-02	5.24560E-01	2.31790E-02	4.97950E-02
8.77080E+02	4.58490E-02	5.24610E-01	2.40530E-02	5.16710E-02
8.77180E+02	4.75340E-02	5.24660E-01	2.49390E-02	5.35750E-02
8.77280E+02	4.92430E-02	5.24700E-01	2.58380E-02	5.55050E-02
8.77380E+02	5.09800E-02	5.24750E-01	2.67520E-02	5.74690E-02
8.77480E+02	5.27560E-02	5.24790E-01	2.76860E-02	5.94750E-02
8.77580E+02	5.45820E-02	5.24840E-01	2.86470E-02	6.15390E-02
8.77680E+02	5.64750E-02	5.24880E-01	2.96430E-02	6.36790E-02
8.77780E+02	5.84540E-02	5.24930E-01	3.06840E-02	6.59160E-02
8.77880E+02	6.05380E-02	5.24970E-01	3.17810E-02	6.82720E-02
8.77980E+02	6.27490E-02	5.25010E-01	3.29440E-02	7.07710E-02
8.78080E+02	6.51060E-02	5.25030E-01	3.41830E-02	7.34320E-02
8.78180E+02	6.76280E-02	5.25050E-01	3.55080E-02	7.62800E-02
8.78280E+02	7.03330E-02	5.25060E-01	3.69290E-02	7.93320E-02
8.78380E+02	7.32340E-02	5.25080E-01	3.84530E-02	8.26070E-02
8.78480E+02	7.63400E-02	5.25090E-01	4.00860E-02	8.61140E-02
8.78580E+02	7.96600E-02	5.25110E-01	4.18300E-02	8.98610E-02
8.78680E+02	8.31960E-02	5.25130E-01	4.36880E-02	9.38520E-02
8.78780E+02	8.69470E-02	5.25140E-01	4.56600E-02	9.80880E-02
8.78880E+02	9.09110E-02	5.25160E-01	4.77430E-02	1.02560E-01
8.78980E+02	9.50820E-02	5.25180E-01	4.99350E-02	1.07270E-01
8.79080E+02	9.94520E-02	5.25190E-01	5.22310E-02	1.12200E-01
8.79180E+02	1.04010E-01	5.25210E-01	5.46280E-02	1.17350E-01
8.79280E+02	1.08760E-01	5.25220E-01	5.71210E-02	1.22710E-01
8.79380E+02	1.13670E-01	5.25240E-01	5.97060E-02	1.28260E-01

8.79480E+02	1.18760E-01	5.25250E-01	6.23790E-02	1.34000E-01
8.79580E+02	1.24010E-01	5.25270E-01	6.51370E-02	1.39930E-01
8.79680E+02	1.29420E-01	5.25280E-01	6.79800E-02	1.46040E-01
8.79780E+02	1.34990E-01	5.25300E-01	7.09090E-02	1.52330E-01
8.79880E+02	1.40720E-01	5.25320E-01	7.39220E-02	1.58800E-01
8.79980E+02	1.46620E-01	5.25330E-01	7.70230E-02	1.65460E-01
8.80080E+02	1.52690E-01	5.25410E-01	8.02250E-02	1.72340E-01
8.80180E+02	1.58940E-01	5.25500E-01	8.35250E-02	1.79430E-01
8.80280E+02	1.65390E-01	5.25590E-01	8.69270E-02	1.86740E-01
8.80380E+02	1.72030E-01	5.25680E-01	9.04360E-02	1.94280E-01
8.80480E+02	1.78890E-01	5.25770E-01	9.40560E-02	2.02050E-01
8.80580E+02	1.85970E-01	5.25870E-01	9.77940E-02	2.10080E-01
8.80680E+02	1.93270E-01	5.25960E-01	1.01650E-01	2.18370E-01
8.80780E+02	2.00810E-01	5.26050E-01	1.05630E-01	2.26930E-01
8.80880E+02	2.08580E-01	5.26140E-01	1.09740E-01	2.35750E-01
8.80980E+02	2.16600E-01	5.26230E-01	1.13980E-01	2.44860E-01
8.81080E+02	2.24860E-01	5.26320E-01	1.18350E-01	2.54240E-01
8.81180E+02	2.33370E-01	5.26410E-01	1.22850E-01	2.63900E-01
8.81280E+02	2.42110E-01	5.26510E-01	1.27470E-01	2.73840E-01
8.81380E+02	2.51090E-01	5.26600E-01	1.32220E-01	2.84050E-01
8.81480E+02	2.60300E-01	5.26690E-01	1.37100E-01	2.94520E-01
8.81580E+02	2.69740E-01	5.26790E-01	1.42100E-01	3.05260E-01
8.81680E+02	2.79400E-01	5.26900E-01	1.47210E-01	3.16250E-01
8.81780E+02	2.89270E-01	5.27000E-01	1.52450E-01	3.27490E-01
8.81880E+02	2.99350E-01	5.27100E-01	1.57790E-01	3.38970E-01
8.81980E+02	3.09630E-01	5.27210E-01	1.63240E-01	3.50680E-01
8.82080E+02	3.20110E-01	5.27230E-01	1.68770E-01	3.62570E-01
8.82180E+02	3.30780E-01	5.27240E-01	1.74400E-01	3.74660E-01
8.82280E+02	3.41640E-01	5.27250E-01	1.80130E-01	3.86960E-01
8.82380E+02	3.52680E-01	5.27250E-01	1.85950E-01	3.99460E-01
8.82480E+02	3.63890E-01	5.27260E-01	1.91860E-01	4.12170E-01
8.82580E+02	3.75270E-01	5.27270E-01	1.97870E-01	4.25060E-01
8.82680E+02	3.86800E-01	5.27270E-01	2.03950E-01	4.38130E-01
8.82780E+02	3.98490E-01	5.27280E-01	2.10110E-01	4.51370E-01
8.82880E+02	4.10310E-01	5.27290E-01	2.16350E-01	4.64770E-01
8.82980E+02	4.22250E-01	5.27290E-01	2.22650E-01	4.78300E-01
8.83080E+02	4.34300E-01	5.27300E-01	2.29010E-01	4.91960E-01
8.83180E+02	4.46440E-01	5.27310E-01	2.35420E-01	5.05730E-01
8.83280E+02	4.58660E-01	5.27320E-01	2.41860E-01	5.19570E-01
8.83380E+02	4.70920E-01	5.27340E-01	2.48330E-01	5.33470E-01
8.83480E+02	4.83210E-01	5.27340E-01	2.54820E-01	5.47400E-01
8.83580E+02	4.95500E-01	5.27340E-01	2.61300E-01	5.61330E-01
8.83680E+02	5.07770E-01	5.27340E-01	2.67770E-01	5.75230E-01

8.83780E+02	5.19990E-01	5.27340E-01	2.74220E-01	5.89080E-01
8.83880E+02	5.32150E-01	5.27350E-01	2.80630E-01	6.02850E-01
8.83980E+02	5.44220E-01	5.27350E-01	2.86990E-01	6.16530E-01
8.84080E+02	5.56180E-01	5.27400E-01	2.93330E-01	6.30130E-01
8.84180E+02	5.68000E-01	5.27460E-01	2.99600E-01	6.43610E-01
8.84280E+02	5.79680E-01	5.27530E-01	3.05800E-01	6.56920E-01
8.84380E+02	5.91190E-01	5.27590E-01	3.11910E-01	6.70050E-01
8.84480E+02	6.02530E-01	5.27660E-01	3.17930E-01	6.82980E-01
8.84580E+02	6.13670E-01	5.27720E-01	3.23850E-01	6.95700E-01
8.84680E+02	6.24620E-01	5.27790E-01	3.29660E-01	7.08190E-01
8.84780E+02	6.35350E-01	5.27850E-01	3.35370E-01	7.20450E-01
8.84880E+02	6.45880E-01	5.27910E-01	3.40970E-01	7.32470E-01
8.84980E+02	6.56180E-01	5.27980E-01	3.46450E-01	7.44250E-01
8.85080E+02	6.66250E-01	5.28040E-01	3.51810E-01	7.55760E-01
8.85180E+02	6.76090E-01	5.28100E-01	3.57040E-01	7.67010E-01
8.85280E+02	6.85700E-01	5.28160E-01	3.62160E-01	7.77990E-01
8.85380E+02	6.95060E-01	5.28210E-01	3.67140E-01	7.88700E-01
8.85480E+02	7.04170E-01	5.28270E-01	3.71990E-01	7.99130E-01
8.85580E+02	7.13030E-01	5.28320E-01	3.76710E-01	8.09270E-01
8.85680E+02	7.21630E-01	5.28380E-01	3.81300E-01	8.19110E-01
8.85780E+02	7.29970E-01	5.28430E-01	3.85740E-01	8.28660E-01
8.85880E+02	7.38030E-01	5.28490E-01	3.90040E-01	8.37890E-01
8.85980E+02	7.45820E-01	5.28540E-01	3.94190E-01	8.46820E-01
8.86080E+02	7.53320E-01	5.28510E-01	3.98140E-01	8.55290E-01
8.86180E+02	7.60540E-01	5.28470E-01	4.01920E-01	8.63410E-01
8.86280E+02	7.67470E-01	5.28420E-01	4.05550E-01	8.71210E-01
8.86380E+02	7.74120E-01	5.28370E-01	4.09020E-01	8.78680E-01
8.86480E+02	7.80480E-01	5.28330E-01	4.12350E-01	8.85820E-01
8.86580E+02	7.86550E-01	5.28280E-01	4.15520E-01	8.92640E-01
8.86680E+02	7.92360E-01	5.28230E-01	4.18550E-01	8.99140E-01
8.86780E+02	7.97880E-01	5.28190E-01	4.21430E-01	9.05330E-01
8.86880E+02	8.03150E-01	5.28140E-01	4.24170E-01	9.11220E-01
8.86980E+02	8.08160E-01	5.28090E-01	4.26780E-01	9.16820E-01
8.87080E+02	8.12930E-01	5.28040E-01	4.29260E-01	9.22150E-01
8.87180E+02	8.17470E-01	5.27990E-01	4.31610E-01	9.27210E-01
8.87280E+02	8.21780E-01	5.27940E-01	4.33850E-01	9.32010E-01
8.87380E+02	8.25890E-01	5.27890E-01	4.35980E-01	9.36580E-01
8.87480E+02	8.29790E-01	5.27840E-01	4.38000E-01	9.40920E-01
8.87580E+02	8.33500E-01	5.27800E-01	4.39920E-01	9.45050E-01
8.87680E+02	8.37030E-01	5.27750E-01	4.41740E-01	9.48960E-01
8.87780E+02	8.40380E-01	5.27700E-01	4.43470E-01	9.52660E-01
8.87880E+02	8.43550E-01	5.27650E-01	4.45100E-01	9.56170E-01
8.87980E+02	8.46550E-01	5.27600E-01	4.46640E-01	9.59480E-01

8.88080E+02	8.49380E-01	5.27600E-01	4.48130E-01	9.62680E-01
8.88180E+02	8.52040E-01	5.27600E-01	4.49530E-01	9.65700E-01
8.88280E+02	8.54530E-01	5.27600E-01	4.50850E-01	9.68530E-01
8.88380E+02	8.56850E-01	5.27610E-01	4.52080E-01	9.71180E-01
8.88480E+02	8.59010E-01	5.27610E-01	4.53230E-01	9.73630E-01
8.88580E+02	8.61010E-01	5.27620E-01	4.54280E-01	9.75900E-01
8.88680E+02	8.62850E-01	5.27620E-01	4.55260E-01	9.77990E-01
8.88780E+02	8.64530E-01	5.27620E-01	4.56140E-01	9.79900E-01
8.88880E+02	8.66060E-01	5.27630E-01	4.56960E-01	9.81640E-01
8.88980E+02	8.67450E-01	5.27630E-01	4.57690E-01	9.83230E-01
8.89080E+02	8.68710E-01	5.27630E-01	4.58360E-01	9.84670E-01
8.89180E+02	8.69860E-01	5.27640E-01	4.58970E-01	9.85970E-01
8.89280E+02	8.70900E-01	5.27640E-01	4.59520E-01	9.87160E-01
8.89380E+02	8.71850E-01	5.27650E-01	4.60030E-01	9.88240E-01
8.89480E+02	8.72720E-01	5.27650E-01	4.60490E-01	9.89250E-01
8.89580E+02	8.73530E-01	5.27660E-01	4.60930E-01	9.90180E-01
8.89680E+02	8.74290E-01	5.27670E-01	4.61330E-01	9.91050E-01
8.89780E+02	8.75010E-01	5.27670E-01	4.61720E-01	9.91880E-01
8.89880E+02	8.75710E-01	5.27680E-01	4.62090E-01	9.92680E-01
8.89980E+02	8.76380E-01	5.27680E-01	4.62450E-01	9.93450E-01
8.90080E+02	8.77030E-01	5.27670E-01	4.62780E-01	9.94170E-01
8.90180E+02	8.77670E-01	5.27660E-01	4.63110E-01	9.94860E-01
8.90280E+02	8.78290E-01	5.27640E-01	4.63420E-01	9.95530E-01
8.90380E+02	8.78890E-01	5.27620E-01	4.63720E-01	9.96180E-01
8.90480E+02	8.79470E-01	5.27610E-01	4.64010E-01	9.96810E-01
8.90580E+02	8.80020E-01	5.27590E-01	4.64290E-01	9.97390E-01
8.90680E+02	8.80520E-01	5.27570E-01	4.64540E-01	9.97930E-01
8.90780E+02	8.80980E-01	5.27550E-01	4.64770E-01	9.98420E-01
8.90880E+02	8.81390E-01	5.27540E-01	4.64970E-01	9.98850E-01
8.90980E+02	8.81730E-01	5.27520E-01	4.65130E-01	9.99210E-01
8.91080E+02	8.82010E-01	5.27510E-01	4.65270E-01	9.99500E-01
8.91180E+02	8.82230E-01	5.27490E-01	4.65370E-01	9.99710E-01
8.91280E+02	8.82370E-01	5.27490E-01	4.65440E-01	9.99880E-01
8.91380E+02	8.82450E-01	5.27490E-01	4.65490E-01	9.99970E-01
8.91480E+02	8.82480E-01	5.27490E-01	4.65500E-01	1.00000E+00
8.91580E+02	8.82450E-01	5.27490E-01	4.65490E-01	9.99970E-01
8.91680E+02	8.82390E-01	5.27490E-01	4.65450E-01	9.99890E-01
8.91780E+02	8.82300E-01	5.27490E-01	4.65400E-01	9.99790E-01
8.91880E+02	8.82190E-01	5.27490E-01	4.65340E-01	9.99670E-01
8.91980E+02	8.82080E-01	5.27490E-01	4.65290E-01	9.99540E-01
8.92080E+02	8.81970E-01	5.27450E-01	4.65200E-01	9.99350E-01
8.92180E+02	8.81890E-01	5.27400E-01	4.65110E-01	9.99160E-01
8.92280E+02	8.81830E-01	5.27350E-01	4.65040E-01	9.99000E-01

8.92380E+02	8.81800E-01	5.27300E-01	4.64980E-01	9.98880E-01
8.92480E+02	8.81810E-01	5.27260E-01	4.64940E-01	9.98790E-01
8.92580E+02	8.81840E-01	5.27210E-01	4.64910E-01	9.98740E-01
8.92680E+02	8.81900E-01	5.27160E-01	4.64900E-01	9.98710E-01
8.92780E+02	8.81970E-01	5.27110E-01	4.64900E-01	9.98700E-01
8.92880E+02	8.82050E-01	5.27060E-01	4.64900E-01	9.98700E-01
8.92980E+02	8.82120E-01	5.27010E-01	4.64890E-01	9.98690E-01
8.93080E+02	8.82170E-01	5.26970E-01	4.64880E-01	9.98660E-01
8.93180E+02	8.82180E-01	5.26960E-01	4.64870E-01	9.98650E-01
8.93280E+02	8.82140E-01	5.26960E-01	4.64850E-01	9.98610E-01
8.93380E+02	8.82050E-01	5.26960E-01	4.64800E-01	9.98500E-01
8.93480E+02	8.81880E-01	5.26960E-01	4.64710E-01	9.98310E-01
8.93580E+02	8.81630E-01	5.26960E-01	4.64580E-01	9.98030E-01
8.93680E+02	8.81310E-01	5.26960E-01	4.64410E-01	9.97660E-01
8.93780E+02	8.80920E-01	5.26950E-01	4.64200E-01	9.97210E-01
8.93880E+02	8.80450E-01	5.26950E-01	4.63960E-01	9.96690E-01
8.93980E+02	8.79930E-01	5.26950E-01	4.63680E-01	9.96090E-01
8.94080E+02	8.79350E-01	5.26980E-01	4.63400E-01	9.95500E-01
8.94180E+02	8.78750E-01	5.27020E-01	4.63120E-01	9.94880E-01
8.94280E+02	8.78130E-01	5.27050E-01	4.62820E-01	9.94240E-01
8.94380E+02	8.77510E-01	5.27090E-01	4.62530E-01	9.93610E-01
8.94480E+02	8.76910E-01	5.27120E-01	4.62240E-01	9.92990E-01
8.94580E+02	8.76350E-01	5.27150E-01	4.61970E-01	9.92420E-01
8.94680E+02	8.75830E-01	5.27190E-01	4.61730E-01	9.91890E-01
8.94780E+02	8.75360E-01	5.27220E-01	4.61510E-01	9.91430E-01
8.94880E+02	8.74940E-01	5.27260E-01	4.61320E-01	9.91020E-01
8.94980E+02	8.74580E-01	5.27290E-01	4.61160E-01	9.90680E-01
8.95080E+02	8.74280E-01	5.27350E-01	4.61050E-01	9.90430E-01
8.95180E+02	8.74010E-01	5.27410E-01	4.60970E-01	9.90260E-01
8.95280E+02	8.73770E-01	5.27480E-01	4.60900E-01	9.90120E-01
8.95380E+02	8.73540E-01	5.27550E-01	4.60840E-01	9.89990E-01
8.95480E+02	8.73310E-01	5.27620E-01	4.60780E-01	9.89850E-01
8.95580E+02	8.73050E-01	5.27690E-01	4.60700E-01	9.89690E-01
8.95680E+02	8.72740E-01	5.27760E-01	4.60600E-01	9.89470E-01
8.95780E+02	8.72380E-01	5.27830E-01	4.60470E-01	9.89190E-01
8.95880E+02	8.71930E-01	5.27900E-01	4.60290E-01	9.88810E-01
8.95980E+02	8.71400E-01	5.27970E-01	4.60070E-01	9.88340E-01
8.96080E+02	8.70780E-01	5.28020E-01	4.59790E-01	9.87720E-01
8.96180E+02	8.70070E-01	5.28050E-01	4.59440E-01	9.86990E-01
8.96280E+02	8.69270E-01	5.28090E-01	4.59050E-01	9.86150E-01
8.96380E+02	8.68390E-01	5.28130E-01	4.58620E-01	9.85230E-01
8.96480E+02	8.67450E-01	5.28170E-01	4.58160E-01	9.84230E-01
8.96580E+02	8.66470E-01	5.28210E-01	4.57680E-01	9.83200E-01

8.96680E+02	8.65470E-01	5.28250E-01	4.57180E-01	9.82130E-01
8.96780E+02	8.64480E-01	5.28280E-01	4.56690E-01	9.81080E-01
8.96880E+02	8.63510E-01	5.28320E-01	4.56210E-01	9.80050E-01
8.96980E+02	8.62600E-01	5.28370E-01	4.55770E-01	9.79090E-01
8.97080E+02	8.61750E-01	5.28430E-01	4.55380E-01	9.78250E-01
8.97180E+02	8.61000E-01	5.28490E-01	4.55030E-01	9.77510E-01
8.97280E+02	8.60350E-01	5.28550E-01	4.54740E-01	9.76880E-01
8.97380E+02	8.59800E-01	5.28620E-01	4.54510E-01	9.76380E-01
8.97480E+02	8.59360E-01	5.28680E-01	4.54330E-01	9.76000E-01
8.97580E+02	8.59030E-01	5.28740E-01	4.54210E-01	9.75740E-01
8.97680E+02	8.58790E-01	5.28810E-01	4.54130E-01	9.75580E-01
8.97780E+02	8.58620E-01	5.28870E-01	4.54100E-01	9.75510E-01
8.97880E+02	8.58510E-01	5.28930E-01	4.54100E-01	9.75500E-01
8.97980E+02	8.58430E-01	5.29000E-01	4.54110E-01	9.75520E-01
8.98080E+02	8.58350E-01	5.29060E-01	4.54120E-01	9.75550E-01
8.98180E+02	8.58260E-01	5.29110E-01	4.54120E-01	9.75540E-01
8.98280E+02	8.58110E-01	5.29170E-01	4.54090E-01	9.75490E-01
8.98380E+02	8.57900E-01	5.29230E-01	4.54030E-01	9.75360E-01
8.98480E+02	8.57600E-01	5.29290E-01	4.53920E-01	9.75120E-01
8.98580E+02	8.57200E-01	5.29350E-01	4.53760E-01	9.74780E-01
8.98680E+02	8.56690E-01	5.29410E-01	4.53540E-01	9.74310E-01
8.98780E+02	8.56060E-01	5.29470E-01	4.53260E-01	9.73710E-01
8.98880E+02	8.55340E-01	5.29530E-01	4.52930E-01	9.72990E-01
8.98980E+02	8.54520E-01	5.29610E-01	4.52560E-01	9.72200E-01
8.99080E+02	8.53610E-01	5.29690E-01	4.52150E-01	9.71320E-01
8.99180E+02	8.52660E-01	5.29770E-01	4.51710E-01	9.70390E-01
8.99280E+02	8.51670E-01	5.29860E-01	4.51260E-01	9.69410E-01
8.99380E+02	8.50670E-01	5.29940E-01	4.50800E-01	9.68430E-01
8.99480E+02	8.49700E-01	5.30020E-01	4.50360E-01	9.67470E-01
8.99580E+02	8.48780E-01	5.30100E-01	4.49940E-01	9.66570E-01
8.99680E+02	8.47930E-01	5.30180E-01	4.49560E-01	9.65760E-01
8.99780E+02	8.47180E-01	5.30270E-01	4.49230E-01	9.65050E-01
8.99880E+02	8.46550E-01	5.30350E-01	4.48960E-01	9.64480E-01
8.99980E+02	8.46040E-01	5.30430E-01	4.48760E-01	9.64050E-01
9.00080E+02	8.45660E-01	5.30470E-01	4.48600E-01	9.63680E-01
9.00180E+02	8.45420E-01	5.30490E-01	4.48490E-01	9.63450E-01
9.00280E+02	8.45310E-01	5.30510E-01	4.48440E-01	9.63360E-01
9.00380E+02	8.45310E-01	5.30540E-01	4.48470E-01	9.63410E-01
9.00480E+02	8.45410E-01	5.30560E-01	4.48540E-01	9.63560E-01
9.00580E+02	8.45590E-01	5.30580E-01	4.48660E-01	9.63820E-01
9.00680E+02	8.45840E-01	5.30600E-01	4.48800E-01	9.64130E-01
9.00780E+02	8.46110E-01	5.30630E-01	4.48970E-01	9.64490E-01
9.00880E+02	8.46400E-01	5.30650E-01	4.49140E-01	9.64860E-01

9.00980E+02	8.46680E-01	5.30680E-01	4.49310E-01	9.65230E-01
9.01080E+02	8.46920E-01	5.30700E-01	4.49460E-01	9.65550E-01
9.01180E+02	8.47120E-01	5.30730E-01	4.49590E-01	9.65820E-01
9.01280E+02	8.47250E-01	5.30750E-01	4.49680E-01	9.66010E-01
9.01380E+02	8.47300E-01	5.30780E-01	4.49730E-01	9.66120E-01
9.01480E+02	8.47270E-01	5.30800E-01	4.49740E-01	9.66130E-01
9.01580E+02	8.47170E-01	5.30830E-01	4.49700E-01	9.66060E-01
9.01680E+02	8.46990E-01	5.30850E-01	4.49630E-01	9.65900E-01
9.01780E+02	8.46750E-01	5.30880E-01	4.49520E-01	9.65660E-01
9.01880E+02	8.46450E-01	5.30900E-01	4.49380E-01	9.65370E-01
9.01980E+02	8.46110E-01	5.30920E-01	4.49220E-01	9.65020E-01
9.02080E+02	8.45750E-01	5.30960E-01	4.49060E-01	9.64690E-01
9.02180E+02	8.45380E-01	5.31010E-01	4.48910E-01	9.64350E-01
9.02280E+02	8.45030E-01	5.31050E-01	4.48760E-01	9.64030E-01
9.02380E+02	8.44710E-01	5.31100E-01	4.48620E-01	9.63740E-01
9.02480E+02	8.44430E-01	5.31140E-01	4.48510E-01	9.63500E-01
9.02580E+02	8.44200E-01	5.31180E-01	4.48430E-01	9.63320E-01
9.02680E+02	8.44040E-01	5.31230E-01	4.48380E-01	9.63220E-01
9.02780E+02	8.43950E-01	5.31260E-01	4.48360E-01	9.63170E-01
9.02880E+02	8.43930E-01	5.31270E-01	4.48350E-01	9.63160E-01
9.02980E+02	8.43980E-01	5.31280E-01	4.48390E-01	9.63240E-01
9.03080E+02	8.44090E-01	5.31280E-01	4.48450E-01	9.63380E-01
9.03180E+02	8.44270E-01	5.31290E-01	4.48550E-01	9.63590E-01
9.03280E+02	8.44490E-01	5.31290E-01	4.48670E-01	9.63850E-01
9.03380E+02	8.44750E-01	5.31300E-01	4.48820E-01	9.64160E-01
9.03480E+02	8.45050E-01	5.31300E-01	4.48980E-01	9.64500E-01
9.03580E+02	8.45360E-01	5.31300E-01	4.49140E-01	9.64860E-01
9.03680E+02	8.45670E-01	5.31310E-01	4.49310E-01	9.65230E-01
9.03780E+02	8.45980E-01	5.31310E-01	4.49480E-01	9.65590E-01
9.03880E+02	8.46280E-01	5.31320E-01	4.49640E-01	9.65940E-01
9.03980E+02	8.46570E-01	5.31320E-01	4.49800E-01	9.66260E-01
9.04080E+02	8.46820E-01	5.31340E-01	4.49950E-01	9.66600E-01
9.04180E+02	8.47060E-01	5.31370E-01	4.50100E-01	9.66910E-01
9.04280E+02	8.47260E-01	5.31390E-01	4.50230E-01	9.67190E-01
9.04380E+02	8.47440E-01	5.31420E-01	4.50350E-01	9.67450E-01
9.04480E+02	8.47600E-01	5.31440E-01	4.50450E-01	9.67680E-01
9.04580E+02	8.47740E-01	5.31470E-01	4.50550E-01	9.67880E-01
9.04680E+02	8.47870E-01	5.31490E-01	4.50640E-01	9.68070E-01
9.04780E+02	8.47980E-01	5.31500E-01	4.50700E-01	9.68210E-01
9.04880E+02	8.48090E-01	5.31510E-01	4.50770E-01	9.68350E-01
9.04980E+02	8.48190E-01	5.31520E-01	4.50830E-01	9.68480E-01
9.05080E+02	8.48290E-01	5.31520E-01	4.50890E-01	9.68600E-01
9.05180E+02	8.48380E-01	5.31530E-01	4.50940E-01	9.68720E-01

9.05280E+02	8.48470E-01	5.31530E-01	4.50990E-01	9.68820E-01
9.05380E+02	8.48560E-01	5.31530E-01	4.51030E-01	9.68920E-01
9.05480E+02	8.48630E-01	5.31530E-01	4.51070E-01	9.69010E-01
9.05580E+02	8.48690E-01	5.31530E-01	4.51100E-01	9.69070E-01
9.05680E+02	8.48720E-01	5.31530E-01	4.51120E-01	9.69110E-01
9.05780E+02	8.48730E-01	5.31530E-01	4.51130E-01	9.69120E-01
9.05880E+02	8.48700E-01	5.31530E-01	4.51110E-01	9.69090E-01
9.05980E+02	8.48640E-01	5.31530E-01	4.51080E-01	9.69020E-01
9.06080E+02	8.48530E-01	5.31510E-01	4.51000E-01	9.68860E-01
9.06180E+02	8.48380E-01	5.31490E-01	4.50900E-01	9.68640E-01
9.06280E+02	8.48180E-01	5.31460E-01	4.50780E-01	9.68370E-01
9.06380E+02	8.47940E-01	5.31440E-01	4.50630E-01	9.68050E-01
9.06480E+02	8.47660E-01	5.31410E-01	4.50460E-01	9.67690E-01
9.06580E+02	8.47350E-01	5.31390E-01	4.50270E-01	9.67290E-01
9.06680E+02	8.47020E-01	5.31360E-01	4.50070E-01	9.66850E-01
9.06780E+02	8.46670E-01	5.31330E-01	4.49860E-01	9.66400E-01
9.06880E+02	8.46310E-01	5.31300E-01	4.49640E-01	9.65940E-01
9.06980E+02	8.45960E-01	5.31270E-01	4.49430E-01	9.65480E-01
9.07080E+02	8.45630E-01	5.31250E-01	4.49240E-01	9.65060E-01
9.07180E+02	8.45320E-01	5.31220E-01	4.49050E-01	9.64660E-01
9.07280E+02	8.45050E-01	5.31200E-01	4.48890E-01	9.64310E-01
9.07380E+02	8.44820E-01	5.31170E-01	4.48750E-01	9.64010E-01
9.07480E+02	8.44640E-01	5.31150E-01	4.48630E-01	9.63760E-01
9.07580E+02	8.44510E-01	5.31120E-01	4.48540E-01	9.63560E-01
9.07680E+02	8.44430E-01	5.31100E-01	4.48470E-01	9.63420E-01
9.07780E+02	8.44390E-01	5.31070E-01	4.48430E-01	9.63330E-01
9.07880E+02	8.44390E-01	5.31050E-01	4.48410E-01	9.63290E-01
9.07980E+02	8.44430E-01	5.31020E-01	4.48410E-01	9.63280E-01
9.08080E+02	8.44490E-01	5.30990E-01	4.48410E-01	9.63290E-01
9.08180E+02	8.44560E-01	5.30950E-01	4.48420E-01	9.63300E-01
9.08280E+02	8.44630E-01	5.30910E-01	4.48430E-01	9.63320E-01
9.08380E+02	8.44700E-01	5.30880E-01	4.48430E-01	9.63330E-01
9.08480E+02	8.44740E-01	5.30840E-01	4.48430E-01	9.63320E-01
9.08580E+02	8.44770E-01	5.30800E-01	4.48400E-01	9.63270E-01
9.08680E+02	8.44760E-01	5.30750E-01	4.48350E-01	9.63170E-01
9.08780E+02	8.44720E-01	5.30700E-01	4.48290E-01	9.63030E-01
9.08880E+02	8.44640E-01	5.30650E-01	4.48200E-01	9.62850E-01
9.08980E+02	8.44520E-01	5.30600E-01	4.48100E-01	9.62630E-01
9.09080E+02	8.44380E-01	5.30550E-01	4.47980E-01	9.62370E-01
9.09180E+02	8.44210E-01	5.30500E-01	4.47850E-01	9.62090E-01
9.09280E+02	8.44030E-01	5.30450E-01	4.47710E-01	9.61790E-01
9.09380E+02	8.43830E-01	5.30400E-01	4.47570E-01	9.61480E-01
9.09480E+02	8.43640E-01	5.30350E-01	4.47420E-01	9.61170E-01

9.09580E+02	8.43450E-01	5.30300E-01	4.47280E-01	9.60860E-01
9.09680E+02	8.43270E-01	5.30250E-01	4.47140E-01	9.60560E-01
9.09780E+02	8.43110E-01	5.30200E-01	4.47020E-01	9.60290E-01
9.09880E+02	8.42970E-01	5.30150E-01	4.46900E-01	9.60040E-01
9.09980E+02	8.42850E-01	5.30100E-01	4.46800E-01	9.59820E-01
9.10080E+02	8.42750E-01	5.30050E-01	4.46700E-01	9.59610E-01
9.10180E+02	8.42670E-01	5.29990E-01	4.46610E-01	9.59420E-01
9.10280E+02	8.42600E-01	5.29940E-01	4.46530E-01	9.59250E-01
9.10380E+02	8.42540E-01	5.29890E-01	4.46450E-01	9.59080E-01
9.10480E+02	8.42470E-01	5.29830E-01	4.46370E-01	9.58900E-01
9.10580E+02	8.42400E-01	5.29770E-01	4.46280E-01	9.58710E-01
9.10680E+02	8.42310E-01	5.29710E-01	4.46180E-01	9.58500E-01
9.10780E+02	8.42200E-01	5.29650E-01	4.46080E-01	9.58270E-01
9.10880E+02	8.42080E-01	5.29590E-01	4.45960E-01	9.58010E-01
9.10980E+02	8.41930E-01	5.29530E-01	4.45830E-01	9.57730E-01
9.11080E+02	8.41760E-01	5.29470E-01	4.45680E-01	9.57430E-01
9.11180E+02	8.41580E-01	5.29410E-01	4.45540E-01	9.57110E-01
9.11280E+02	8.41390E-01	5.29340E-01	4.45380E-01	9.56790E-01
9.11380E+02	8.41210E-01	5.29280E-01	4.45240E-01	9.56470E-01
9.11480E+02	8.41050E-01	5.29210E-01	4.45100E-01	9.56170E-01
9.11580E+02	8.40930E-01	5.29150E-01	4.44980E-01	9.55910E-01
9.11680E+02	8.40850E-01	5.29090E-01	4.44880E-01	9.55700E-01
9.11780E+02	8.40820E-01	5.29020E-01	4.44810E-01	9.55560E-01
9.11880E+02	8.40870E-01	5.28960E-01	4.44780E-01	9.55500E-01
9.11980E+02	8.40980E-01	5.28900E-01	4.44790E-01	9.55510E-01
9.12080E+02	8.41170E-01	5.28800E-01	4.44810E-01	9.55550E-01
9.12180E+02	8.41420E-01	5.28700E-01	4.44860E-01	9.55660E-01
9.12280E+02	8.41740E-01	5.28600E-01	4.44940E-01	9.55840E-01
9.12380E+02	8.42100E-01	5.28500E-01	4.45050E-01	9.56060E-01
9.12480E+02	8.42490E-01	5.28390E-01	4.45160E-01	9.56310E-01
9.12580E+02	8.42890E-01	5.28280E-01	4.45280E-01	9.56560E-01
9.12680E+02	8.43250E-01	5.28170E-01	4.45380E-01	9.56770E-01
9.12780E+02	8.43550E-01	5.28060E-01	4.45450E-01	9.56920E-01
9.12880E+02	8.43770E-01	5.27950E-01	4.45470E-01	9.56960E-01
9.12980E+02	8.43850E-01	5.27840E-01	4.45420E-01	9.56860E-01
9.13080E+02	8.43780E-01	5.27730E-01	4.45290E-01	9.56580E-01
9.13180E+02	8.43520E-01	5.27620E-01	4.45060E-01	9.56090E-01
9.13280E+02	8.43040E-01	5.27510E-01	4.44710E-01	9.55340E-01
9.13380E+02	8.42330E-01	5.27400E-01	4.44240E-01	9.54330E-01
9.13480E+02	8.41350E-01	5.27290E-01	4.43630E-01	9.53030E-01
9.13580E+02	8.40110E-01	5.27170E-01	4.42890E-01	9.51420E-01
9.13680E+02	8.38590E-01	5.27060E-01	4.41990E-01	9.49500E-01
9.13780E+02	8.36800E-01	5.26950E-01	4.40950E-01	9.47260E-01

9.13880E+02	8.34730E-01	5.26840E-01	4.39760E-01	9.44710E-01
9.13980E+02	8.32380E-01	5.26720E-01	4.38440E-01	9.41860E-01
9.14080E+02	8.29770E-01	5.26600E-01	4.36960E-01	9.38680E-01
9.14180E+02	8.26910E-01	5.26470E-01	4.35340E-01	9.35210E-01
9.14280E+02	8.23790E-01	5.26340E-01	4.33600E-01	9.31460E-01
9.14380E+02	8.20430E-01	5.26210E-01	4.31720E-01	9.27420E-01
9.14480E+02	8.16820E-01	5.26070E-01	4.29700E-01	9.23100E-01
9.14580E+02	8.12950E-01	5.25940E-01	4.27560E-01	9.18500E-01
9.14680E+02	8.08830E-01	5.25800E-01	4.25280E-01	9.13600E-01
9.14780E+02	8.04430E-01	5.25660E-01	4.22860E-01	9.08390E-01
9.14880E+02	7.99720E-01	5.25530E-01	4.20270E-01	9.02840E-01
9.14980E+02	7.94690E-01	5.25390E-01	4.17520E-01	8.96930E-01
9.15080E+02	7.89310E-01	5.25260E-01	4.14590E-01	8.90630E-01
9.15180E+02	7.83540E-01	5.25120E-01	4.11460E-01	8.83900E-01
9.15280E+02	7.77350E-01	5.24990E-01	4.08100E-01	8.76700E-01
9.15380E+02	7.70700E-01	5.24860E-01	4.04510E-01	8.68980E-01
9.15480E+02	7.63570E-01	5.24730E-01	4.00670E-01	8.60720E-01
9.15580E+02	7.55930E-01	5.24600E-01	3.96560E-01	8.51890E-01
9.15680E+02	7.47750E-01	5.24460E-01	3.92170E-01	8.42460E-01
9.15780E+02	7.39020E-01	5.24330E-01	3.87490E-01	8.32420E-01
9.15880E+02	7.29740E-01	5.24200E-01	3.82530E-01	8.21760E-01
9.15980E+02	7.19920E-01	5.24070E-01	3.77280E-01	8.10490E-01
9.16080E+02	7.09550E-01	5.24000E-01	3.71800E-01	7.98720E-01
9.16180E+02	6.98660E-01	5.23960E-01	3.66070E-01	7.86390E-01
9.16280E+02	6.87280E-01	5.23900E-01	3.60070E-01	7.73500E-01
9.16380E+02	6.75440E-01	5.23830E-01	3.53810E-01	7.60070E-01
9.16480E+02	6.63190E-01	5.23760E-01	3.47350E-01	7.46180E-01
9.16580E+02	6.50560E-01	5.23680E-01	3.40690E-01	7.31870E-01
9.16680E+02	6.37610E-01	5.23610E-01	3.33860E-01	7.17200E-01
9.16780E+02	6.24380E-01	5.23540E-01	3.26890E-01	7.02220E-01
9.16880E+02	6.10920E-01	5.23460E-01	3.19790E-01	6.86990E-01
9.16980E+02	5.97270E-01	5.23390E-01	3.12600E-01	6.71540E-01
9.17080E+02	5.83470E-01	5.23310E-01	3.05340E-01	6.55930E-01
9.17180E+02	5.69560E-01	5.23240E-01	2.98010E-01	6.40200E-01
9.17280E+02	5.55560E-01	5.23160E-01	2.90650E-01	6.24380E-01
9.17380E+02	5.41510E-01	5.23080E-01	2.83250E-01	6.08490E-01
9.17480E+02	5.27420E-01	5.23000E-01	2.75840E-01	5.92570E-01
9.17580E+02	5.13310E-01	5.22930E-01	2.68420E-01	5.76630E-01
9.17680E+02	4.99180E-01	5.22850E-01	2.61000E-01	5.60680E-01
9.17780E+02	4.85050E-01	5.22770E-01	2.53570E-01	5.44730E-01
9.17880E+02	4.70940E-01	5.22690E-01	2.46150E-01	5.28800E-01
9.17980E+02	4.56840E-01	5.22610E-01	2.38750E-01	5.12880E-01
9.18080E+02	4.42760E-01	5.22530E-01	2.31360E-01	4.97000E-01

9.18180E+02	4.28730E-01	5.22440E-01	2.23990E-01	4.81170E-01
9.18280E+02	4.14740E-01	5.22370E-01	2.16650E-01	4.65410E-01
9.18380E+02	4.00830E-01	5.22290E-01	2.09350E-01	4.49730E-01
9.18480E+02	3.87010E-01	5.22210E-01	2.02100E-01	4.34160E-01
9.18580E+02	3.73310E-01	5.22140E-01	1.94920E-01	4.18730E-01
9.18680E+02	3.59760E-01	5.22060E-01	1.87820E-01	4.03470E-01
9.18780E+02	3.46390E-01	5.21980E-01	1.80810E-01	3.88410E-01
9.18880E+02	3.33220E-01	5.21900E-01	1.73910E-01	3.73590E-01
9.18980E+02	3.20290E-01	5.21820E-01	1.67130E-01	3.59040E-01
9.19080E+02	3.07640E-01	5.21740E-01	1.60510E-01	3.44800E-01
9.19180E+02	2.95280E-01	5.21660E-01	1.54030E-01	3.30900E-01
9.19280E+02	2.83250E-01	5.21570E-01	1.47730E-01	3.17370E-01
9.19380E+02	2.71560E-01	5.21490E-01	1.41620E-01	3.04220E-01
9.19480E+02	2.60240E-01	5.21410E-01	1.35690E-01	2.91490E-01
9.19580E+02	2.49280E-01	5.21320E-01	1.29960E-01	2.79180E-01
9.19680E+02	2.38710E-01	5.21240E-01	1.24420E-01	2.67290E-01
9.19780E+02	2.28510E-01	5.21150E-01	1.19090E-01	2.55830E-01
9.19880E+02	2.18690E-01	5.21070E-01	1.13950E-01	2.44790E-01
9.19980E+02	2.09230E-01	5.20990E-01	1.09000E-01	2.34160E-01
9.20080E+02	2.00110E-01	5.20750E-01	1.04210E-01	2.23870E-01
9.20180E+02	1.91340E-01	5.20500E-01	9.95920E-02	2.13950E-01
9.20280E+02	1.82880E-01	5.20260E-01	9.51460E-02	2.04390E-01
9.20380E+02	1.74720E-01	5.20020E-01	9.08600E-02	1.95190E-01
9.20480E+02	1.66860E-01	5.19770E-01	8.67280E-02	1.86310E-01
9.20580E+02	1.59260E-01	5.19530E-01	8.27400E-02	1.77740E-01
9.20680E+02	1.51920E-01	5.19290E-01	7.88910E-02	1.69480E-01
9.20780E+02	1.44840E-01	5.19040E-01	7.51760E-02	1.61490E-01
9.20880E+02	1.37990E-01	5.18800E-01	7.15900E-02	1.53790E-01
9.20980E+02	1.31390E-01	5.18550E-01	6.81330E-02	1.46360E-01
9.21080E+02	1.25030E-01	5.18310E-01	6.48020E-02	1.39210E-01
9.21180E+02	1.18900E-01	5.18060E-01	6.15980E-02	1.32330E-01
9.21280E+02	1.13020E-01	5.17810E-01	5.85230E-02	1.25720E-01
9.21380E+02	1.07380E-01	5.17570E-01	5.55790E-02	1.19400E-01
9.21480E+02	1.02000E-01	5.17320E-01	5.27670E-02	1.13360E-01
9.21580E+02	9.68690E-02	5.17080E-01	5.00890E-02	1.07600E-01
9.21680E+02	9.19960E-02	5.16830E-01	4.75470E-02	1.02140E-01
9.21780E+02	8.73810E-02	5.16590E-01	4.51400E-02	9.69700E-02
9.21880E+02	8.30230E-02	5.16340E-01	4.28680E-02	9.20900E-02
9.21980E+02	7.89190E-02	5.16090E-01	4.07300E-02	8.74970E-02
9.22080E+02	7.50640E-02	5.15950E-01	3.87290E-02	8.31990E-02
9.22180E+02	7.14490E-02	5.15830E-01	3.68560E-02	7.91740E-02
9.22280E+02	6.80650E-02	5.15710E-01	3.51020E-02	7.54070E-02
9.22380E+02	6.49010E-02	5.15590E-01	3.34620E-02	7.18840E-02

9.22480E+02	6.19420E-02	5.15470E-01	3.19290E-02	6.85910E-02
9.22580E+02	5.91750E-02	5.15350E-01	3.04960E-02	6.55120E-02
9.22680E+02	5.65840E-02	5.15230E-01	2.91540E-02	6.26290E-02
9.22780E+02	5.41550E-02	5.15110E-01	2.78960E-02	5.99270E-02
9.22880E+02	5.18740E-02	5.14990E-01	2.67140E-02	5.73890E-02
9.22980E+02	4.97250E-02	5.14870E-01	2.56020E-02	5.49980E-02
9.23080E+02	4.76960E-02	5.14750E-01	2.45510E-02	5.27420E-02
9.23180E+02	4.57730E-02	5.14630E-01	2.35560E-02	5.06050E-02
9.23280E+02	4.39470E-02	5.14510E-01	2.26110E-02	4.85740E-02
9.23380E+02	4.22070E-02	5.14400E-01	2.17110E-02	4.66400E-02
9.23480E+02	4.05430E-02	5.14280E-01	2.08510E-02	4.47920E-02
9.23580E+02	3.89490E-02	5.14160E-01	2.00260E-02	4.30200E-02
9.23680E+02	3.74170E-02	5.14040E-01	1.92340E-02	4.13180E-02
9.23780E+02	3.59400E-02	5.13920E-01	1.84710E-02	3.96790E-02
9.23880E+02	3.45150E-02	5.13810E-01	1.77340E-02	3.80970E-02
9.23980E+02	3.31360E-02	5.13690E-01	1.70220E-02	3.65660E-02
9.24080E+02	3.18000E-02	5.13590E-01	1.63320E-02	3.50850E-02
9.24180E+02	3.05040E-02	5.13500E-01	1.56640E-02	3.36490E-02
9.24280E+02	3.10980E-02	5.13400E-01	1.59660E-02	3.42980E-02
9.24380E+02	2.98440E-02	5.13310E-01	1.53190E-02	3.29090E-02
9.24480E+02	2.86490E-02	5.13210E-01	1.47030E-02	3.15850E-02
9.24580E+02	2.75100E-02	5.13120E-01	1.41160E-02	3.03240E-02
9.24680E+02	2.64230E-02	5.13030E-01	1.35560E-02	2.91210E-02
9.24780E+02	2.53860E-02	5.12930E-01	1.30210E-02	2.79720E-02
9.24880E+02	2.43940E-02	5.12840E-01	1.25100E-02	2.68750E-02
9.24980E+02	2.34450E-02	5.12740E-01	1.20210E-02	2.58240E-02
9.25080E+02	2.25350E-02	5.12650E-01	1.15530E-02	2.48170E-02
9.25180E+02	2.16610E-02	5.12560E-01	1.11030E-02	2.38510E-02
9.25280E+02	2.08200E-02	5.12470E-01	1.06700E-02	2.29210E-02
9.25380E+02	2.00090E-02	5.12380E-01	1.02520E-02	2.20240E-02
9.25480E+02	1.92260E-02	5.12290E-01	9.84900E-03	2.11580E-02
9.25580E+02	1.84670E-02	5.12200E-01	9.45870E-03	2.03190E-02
9.25680E+02	1.77320E-02	5.12110E-01	9.08040E-03	1.95070E-02
9.25780E+02	1.70180E-02	5.12010E-01	8.71320E-03	1.87180E-02
9.25880E+02	1.63240E-02	5.11920E-01	8.35670E-03	1.79520E-02
9.25980E+02	1.56510E-02	5.11840E-01	8.01070E-03	1.72090E-02
9.26080E+02	1.49970E-02	5.11710E-01	7.67410E-03	1.64860E-02
9.26180E+02	1.43640E-02	5.11550E-01	7.34800E-03	1.57850E-02
9.26280E+02	1.37520E-02	5.11400E-01	7.03270E-03	1.51080E-02
9.26380E+02	1.31610E-02	5.11250E-01	6.72880E-03	1.44550E-02
9.26480E+02	1.25940E-02	5.11100E-01	6.43680E-03	1.38280E-02
9.26580E+02	1.20510E-02	5.10950E-01	6.15720E-03	1.32270E-02
9.26680E+02	1.15320E-02	5.10800E-01	5.89050E-03	1.26540E-02

9.26780E+02	1.10390E-02	5.10650E-01	5.63700E-03	1.21100E-02
9.26880E+02	1.05720E-02	5.10500E-01	5.39710E-03	1.15940E-02
9.26980E+02	1.01310E-02	5.10350E-01	5.17050E-03	1.11070E-02
9.27080E+02	9.71590E-03	5.10200E-01	4.95700E-03	1.06490E-02
9.27180E+02	9.32510E-03	5.10050E-01	4.75620E-03	1.02170E-02
9.27280E+02	8.95760E-03	5.09900E-01	4.56740E-03	9.81190E-03
9.27380E+02	8.61160E-03	5.09750E-01	4.38970E-03	9.43010E-03
9.27480E+02	8.28510E-03	5.09600E-01	4.22210E-03	9.07000E-03
9.27580E+02	7.97620E-03	5.09450E-01	4.06350E-03	8.72920E-03
9.27680E+02	7.68260E-03	5.09300E-01	3.91270E-03	8.40550E-03
9.27780E+02	7.40240E-03	5.09150E-01	3.76890E-03	8.09650E-03
9.27880E+02	7.13380E-03	5.09000E-01	3.63110E-03	7.80040E-03
9.27980E+02	6.87550E-03	5.08850E-01	3.49850E-03	7.51570E-03
9.28080E+02	6.62640E-03	5.08790E-01	3.37150E-03	7.24260E-03
9.28180E+02	6.38610E-03	5.08760E-01	3.24900E-03	6.97950E-03
9.28280E+02	6.15450E-03	5.08730E-01	3.13100E-03	6.72600E-03
9.28380E+02	5.93210E-03	5.08700E-01	3.01760E-03	6.48260E-03
9.28480E+02	5.71970E-03	5.08670E-01	2.90940E-03	6.25010E-03
9.28580E+02	5.51830E-03	5.08630E-01	2.80680E-03	6.02970E-03
9.28680E+02	5.32930E-03	5.08600E-01	2.71050E-03	5.82280E-03
9.28780E+02	5.15380E-03	5.08570E-01	2.62110E-03	5.63070E-03
9.28880E+02	4.99290E-03	5.08540E-01	2.53910E-03	5.45460E-03
9.28980E+02	4.84750E-03	5.08510E-01	2.46500E-03	5.29530E-03
9.29080E+02	4.71780E-03	5.08480E-01	2.39890E-03	5.15340E-03
9.29180E+02	4.60390E-03	5.08450E-01	2.34080E-03	5.02860E-03
9.29280E+02	4.50480E-03	5.08420E-01	2.29030E-03	4.92010E-03
9.29380E+02	4.41940E-03	5.08380E-01	2.24680E-03	4.82660E-03
9.29480E+02	4.34570E-03	5.08350E-01	2.20920E-03	4.74580E-03
9.29580E+02	4.28140E-03	5.08320E-01	2.17630E-03	4.67520E-03
9.29680E+02	4.22360E-03	5.08290E-01	2.14680E-03	4.61180E-03
9.29780E+02	4.16940E-03	5.08250E-01	2.11910E-03	4.55230E-03
9.29880E+02	4.11570E-03	5.08200E-01	2.09160E-03	4.49330E-03
9.29980E+02	4.05990E-03	5.08150E-01	2.06300E-03	4.43180E-03
9.30080E+02	3.99920E-03	5.08050E-01	2.03180E-03	4.36480E-03
9.30180E+02	3.93180E-03	5.07940E-01	1.99710E-03	4.29020E-03
9.30280E+02	3.85610E-03	5.07830E-01	1.95830E-03	4.20680E-03
9.30380E+02	3.77170E-03	5.07720E-01	1.91500E-03	4.11380E-03
9.30480E+02	3.67860E-03	5.07610E-01	1.86730E-03	4.01130E-03
9.30580E+02	3.57760E-03	5.07500E-01	1.81560E-03	3.90040E-03
9.30680E+02	3.47040E-03	5.07390E-01	1.76080E-03	3.78270E-03
9.30780E+02	3.35910E-03	5.07280E-01	1.70400E-03	3.66060E-03
9.30880E+02	3.24660E-03	5.07170E-01	1.64660E-03	3.53720E-03
9.30980E+02	3.13570E-03	5.07060E-01	1.59000E-03	3.41560E-03

9.31080E+02	3.02950E-03	5.06950E-01	1.53580E-03	3.29920E-03
9.31180E+02	2.93090E-03	5.06850E-01	1.48550E-03	3.19130E-03
9.31280E+02	2.84270E-03	5.06740E-01	1.44050E-03	3.09450E-03
9.31380E+02	2.76680E-03	5.06630E-01	1.40180E-03	3.01130E-03
9.31480E+02	2.70480E-03	5.06530E-01	1.37000E-03	2.94320E-03
9.31580E+02	2.65720E-03	5.06420E-01	1.34570E-03	2.89080E-03
9.31680E+02	2.62400E-03	5.06310E-01	1.32860E-03	2.85400E-03
9.31780E+02	2.60420E-03	5.06210E-01	1.31830E-03	2.83190E-03
9.31880E+02	2.59630E-03	5.06100E-01	1.31400E-03	2.82270E-03
9.31980E+02	2.14940E-03	5.06000E-01	1.08760E-03	2.33640E-03
9.32080E+02	2.03210E-03	5.05920E-01	1.02810E-03	2.20850E-03
9.32180E+02	1.93470E-03	5.05850E-01	9.78670E-04	2.10240E-03
9.32280E+02	1.86650E-03	5.05770E-01	9.44000E-04	2.02790E-03
9.32380E+02	1.83520E-03	5.05700E-01	9.28050E-04	1.99370E-03
9.32480E+02	1.77770E-03	5.05620E-01	8.98850E-04	1.93090E-03
9.32580E+02	1.74760E-03	5.05550E-01	8.83510E-04	1.89800E-03
9.32680E+02	1.71830E-03	5.05470E-01	8.68540E-04	1.86580E-03
9.32780E+02	1.68890E-03	5.05400E-01	8.53560E-04	1.83360E-03
9.32880E+02	1.65950E-03	5.05320E-01	8.38590E-04	1.80150E-03
9.32980E+02	1.63120E-03	5.05250E-01	8.24130E-04	1.77040E-03
9.33080E+02	1.60280E-03	5.05170E-01	8.09680E-04	1.73940E-03
9.33180E+02	1.57340E-03	5.05090E-01	7.94720E-04	1.70720E-03
9.33280E+02	1.54400E-03	5.05020E-01	7.79770E-04	1.67510E-03
9.33380E+02	1.51240E-03	5.04940E-01	7.63680E-04	1.64060E-03
9.33480E+02	0.00000E+00	5.04860E-01	0.00000E+00	0.00000E+00
Channel 9				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
9.93630E+02	0.00000E+00	4.90220E-01	0.00000E+00	0.00000E+00
9.93730E+02	9.50780E-04	4.90200E-01	4.66070E-04	1.20570E-03
9.93830E+02	9.68620E-04	4.90170E-01	4.74790E-04	1.22820E-03
9.93930E+02	1.00320E-03	4.90150E-01	4.91690E-04	1.27190E-03
9.94030E+02	1.05350E-03	4.90120E-01	5.16360E-04	1.33580E-03
9.94130E+02	1.11800E-03	4.90090E-01	5.47900E-04	1.41740E-03
9.94230E+02	1.19380E-03	4.90050E-01	5.85030E-04	1.51340E-03
9.94330E+02	1.27800E-03	4.90020E-01	6.26230E-04	1.62000E-03
9.94430E+02	1.36750E-03	4.89990E-01	6.70080E-04	1.73340E-03
9.94530E+02	1.45980E-03	4.89950E-01	7.15260E-04	1.85030E-03
9.94630E+02	1.55260E-03	4.89920E-01	7.60630E-04	1.96770E-03
9.94730E+02	1.64410E-03	4.89890E-01	8.05430E-04	2.08350E-03
9.94830E+02	1.73340E-03	4.89850E-01	8.49090E-04	2.19650E-03

9.94930E+02	1.81960E-03	4.89820E-01	8.91290E-04	2.30570E-03
9.95030E+02	1.90280E-03	4.89790E-01	9.31970E-04	2.41090E-03
9.95130E+02	1.98290E-03	4.89760E-01	9.71160E-04	2.51230E-03
9.95230E+02	2.06020E-03	4.89730E-01	1.00890E-03	2.61000E-03
9.95330E+02	2.13520E-03	4.89700E-01	1.04560E-03	2.70480E-03
9.95430E+02	2.20830E-03	4.89660E-01	1.08130E-03	2.79720E-03
9.95530E+02	2.27990E-03	4.89630E-01	1.11630E-03	2.88770E-03
9.95630E+02	2.35060E-03	4.89600E-01	1.15090E-03	2.97710E-03
9.95730E+02	2.42090E-03	4.89570E-01	1.18520E-03	3.06590E-03
9.95830E+02	2.49090E-03	4.89540E-01	1.21940E-03	3.15440E-03
9.95930E+02	2.56090E-03	4.89510E-01	1.25360E-03	3.24280E-03
9.96030E+02	2.63060E-03	4.89470E-01	1.28760E-03	3.33080E-03
9.96130E+02	2.69920E-03	4.89420E-01	1.32110E-03	3.41750E-03
9.96230E+02	2.76590E-03	4.89380E-01	1.35360E-03	3.50150E-03
9.96330E+02	2.82890E-03	4.89330E-01	1.38430E-03	3.58090E-03
9.96430E+02	2.88620E-03	4.89280E-01	1.41220E-03	3.65310E-03
9.96530E+02	2.93560E-03	4.89240E-01	1.43620E-03	3.71530E-03
9.96630E+02	2.97480E-03	4.89190E-01	1.45530E-03	3.76460E-03
9.96730E+02	3.00170E-03	4.89140E-01	1.46830E-03	3.79830E-03
9.96830E+02	3.01480E-03	4.89100E-01	1.47450E-03	3.81440E-03
9.96930E+02	3.01280E-03	4.89050E-01	1.47340E-03	3.81160E-03
9.97030E+02	2.99570E-03	4.89000E-01	1.46490E-03	3.78950E-03
9.97130E+02	2.96410E-03	4.88950E-01	1.44930E-03	3.74920E-03
9.97230E+02	2.91970E-03	4.88910E-01	1.42750E-03	3.69260E-03
9.97330E+02	2.86470E-03	4.88830E-01	1.40040E-03	3.62260E-03
9.97430E+02	2.80240E-03	4.88750E-01	1.36970E-03	3.54320E-03
9.97530E+02	2.73640E-03	4.88660E-01	1.33720E-03	3.45920E-03
9.97630E+02	2.67050E-03	4.88580E-01	1.30480E-03	3.37530E-03
9.97730E+02	2.60870E-03	4.88500E-01	1.27440E-03	3.29660E-03
9.97830E+02	2.55490E-03	4.88410E-01	1.24790E-03	3.22800E-03
9.97930E+02	2.51250E-03	4.88330E-01	1.22690E-03	3.17390E-03
9.98030E+02	2.48460E-03	4.88250E-01	1.21310E-03	3.13820E-03
9.98130E+02	2.47380E-03	4.88180E-01	1.20770E-03	3.12410E-03
9.98230E+02	2.48180E-03	4.88110E-01	1.21140E-03	3.13380E-03
9.98330E+02	2.50990E-03	4.88050E-01	1.22500E-03	3.16880E-03
9.98430E+02	2.55820E-03	4.87980E-01	1.24840E-03	3.22940E-03
9.98530E+02	2.62580E-03	4.87910E-01	1.28120E-03	3.31420E-03
9.98630E+02	2.71080E-03	4.87840E-01	1.32250E-03	3.42110E-03
9.98730E+02	2.81040E-03	4.87770E-01	1.37090E-03	3.54620E-03
9.98830E+02	2.92080E-03	4.87700E-01	1.42450E-03	3.68500E-03
9.98930E+02	3.03800E-03	4.87640E-01	1.48140E-03	3.83230E-03
9.99030E+02	3.15760E-03	4.87570E-01	1.53960E-03	3.98270E-03
9.99130E+02	3.27570E-03	4.87500E-01	1.59690E-03	4.13090E-03

9.99230E+02	3.38860E-03	4.87430E-01	1.65170E-03	4.27280E-03
9.99330E+02	3.49390E-03	4.87350E-01	1.70280E-03	4.40490E-03
9.99430E+02	3.58980E-03	4.87270E-01	1.74920E-03	4.52510E-03
9.99530E+02	3.67590E-03	4.87200E-01	1.79090E-03	4.63280E-03
9.99630E+02	3.75280E-03	4.87120E-01	1.82810E-03	4.72900E-03
9.99730E+02	3.82220E-03	4.87040E-01	1.86160E-03	4.81570E-03
9.99830E+02	3.88680E-03	4.86970E-01	1.89280E-03	4.89630E-03
9.99930E+02	3.95010E-03	4.86890E-01	1.92330E-03	4.97520E-03
1.00000E+03	4.01600E-03	4.86800E-01	1.95500E-03	5.05730E-03
1.00010E+03	4.08880E-03	4.86670E-01	1.98990E-03	5.14770E-03
1.00020E+03	4.17300E-03	4.86550E-01	2.03040E-03	5.25230E-03
1.00030E+03	4.27260E-03	4.86420E-01	2.07830E-03	5.37630E-03
1.00040E+03	4.39130E-03	4.86290E-01	2.13550E-03	5.52420E-03
1.00050E+03	4.53190E-03	4.86170E-01	2.20330E-03	5.69960E-03
1.00060E+03	4.69640E-03	4.86040E-01	2.28260E-03	5.90490E-03
1.00070E+03	4.88530E-03	4.85920E-01	2.37380E-03	6.14080E-03
1.00080E+03	5.09790E-03	4.85790E-01	2.47650E-03	6.40650E-03
1.00090E+03	5.33200E-03	4.85660E-01	2.58960E-03	6.69890E-03
1.00100E+03	5.58400E-03	4.85540E-01	2.71120E-03	7.01370E-03
1.00110E+03	5.84900E-03	4.85410E-01	2.83920E-03	7.34470E-03
1.00120E+03	6.12120E-03	4.85290E-01	2.97060E-03	7.68460E-03
1.00130E+03	6.39420E-03	4.85180E-01	3.10230E-03	8.02530E-03
1.00140E+03	6.66120E-03	4.85060E-01	3.23110E-03	8.35850E-03
1.00150E+03	6.91590E-03	4.84940E-01	3.35380E-03	8.67590E-03
1.00160E+03	7.15220E-03	4.84830E-01	3.46760E-03	8.97020E-03
1.00170E+03	7.36520E-03	4.84710E-01	3.57000E-03	9.23520E-03
1.00180E+03	7.55130E-03	4.84590E-01	3.65930E-03	9.46620E-03
1.00190E+03	7.70810E-03	4.84480E-01	3.73440E-03	9.66050E-03
1.00200E+03	7.83510E-03	4.84360E-01	3.79500E-03	9.81720E-03
1.00210E+03	7.90320E-03	4.84230E-01	3.82700E-03	9.89990E-03
1.00220E+03	8.00520E-03	4.84100E-01	3.87530E-03	1.00250E-02
1.00230E+03	8.05520E-03	4.83970E-01	3.89850E-03	1.00850E-02
1.00240E+03	8.08870E-03	4.83850E-01	3.91370E-03	1.01240E-02
1.00250E+03	8.11230E-03	4.83720E-01	3.92410E-03	1.01510E-02
1.00260E+03	8.13320E-03	4.83590E-01	3.93320E-03	1.01750E-02
1.00270E+03	8.15890E-03	4.83460E-01	3.94450E-03	1.02040E-02
1.00280E+03	8.19700E-03	4.83340E-01	3.96190E-03	1.02490E-02
1.00290E+03	8.25460E-03	4.83210E-01	3.98870E-03	1.03180E-02
1.00300E+03	8.33790E-03	4.83080E-01	4.02790E-03	1.04200E-02
1.00310E+03	8.45190E-03	4.82940E-01	4.08180E-03	1.05590E-02
1.00320E+03	8.60040E-03	4.82800E-01	4.15230E-03	1.07410E-02
1.00330E+03	8.78520E-03	4.82660E-01	4.24030E-03	1.09690E-02
1.00340E+03	9.00670E-03	4.82520E-01	4.34590E-03	1.12420E-02

1.00350E+03	9.26320E-03	4.82380E-01	4.46840E-03	1.15590E-02
1.00360E+03	9.55180E-03	4.82240E-01	4.60620E-03	1.19160E-02
1.00370E+03	9.86800E-03	4.82100E-01	4.75740E-03	1.23070E-02
1.00380E+03	1.02060E-02	4.81960E-01	4.91910E-03	1.27250E-02
1.00390E+03	1.05610E-02	4.81820E-01	5.08840E-03	1.31630E-02
1.00400E+03	1.09250E-02	4.81680E-01	5.26230E-03	1.36130E-02
1.00410E+03	1.12920E-02	4.81530E-01	5.43740E-03	1.40660E-02
1.00420E+03	1.16560E-02	4.81370E-01	5.61090E-03	1.45150E-02
1.00430E+03	1.20120E-02	4.81220E-01	5.78030E-03	1.49530E-02
1.00440E+03	1.23540E-02	4.81070E-01	5.94330E-03	1.53750E-02
1.00450E+03	1.26800E-02	4.80920E-01	6.09830E-03	1.57760E-02
1.00460E+03	1.29880E-02	4.80770E-01	6.24430E-03	1.61530E-02
1.00470E+03	1.32760E-02	4.80620E-01	6.38100E-03	1.65070E-02
1.00480E+03	1.35460E-02	4.80470E-01	6.50840E-03	1.68370E-02
1.00490E+03	1.37990E-02	4.80320E-01	6.62770E-03	1.71450E-02
1.00500E+03	1.40370E-02	4.80170E-01	6.74020E-03	1.74360E-02
1.00510E+03	1.42650E-02	4.80020E-01	6.84770E-03	1.77140E-02
1.00520E+03	1.44880E-02	4.79880E-01	6.95250E-03	1.79850E-02
1.00530E+03	1.47100E-02	4.79730E-01	7.05680E-03	1.82550E-02
1.00540E+03	1.49360E-02	4.79590E-01	7.16330E-03	1.85310E-02
1.00550E+03	1.51720E-02	4.79440E-01	7.27420E-03	1.88170E-02
1.00560E+03	1.54220E-02	4.79290E-01	7.39180E-03	1.91220E-02
1.00570E+03	1.56910E-02	4.79150E-01	7.51810E-03	1.94490E-02
1.00580E+03	1.59810E-02	4.79000E-01	7.65480E-03	1.98020E-02
1.00590E+03	1.62950E-02	4.78850E-01	7.80300E-03	2.01860E-02
1.00600E+03	1.66360E-02	4.78720E-01	7.96400E-03	2.06020E-02
1.00610E+03	1.70040E-02	4.78610E-01	8.13850E-03	2.10530E-02
1.00620E+03	1.74000E-02	4.78500E-01	8.32620E-03	2.15390E-02
1.00630E+03	1.78250E-02	4.78400E-01	8.52720E-03	2.20590E-02
1.00640E+03	1.82760E-02	4.78290E-01	8.74110E-03	2.26120E-02
1.00650E+03	1.87530E-02	4.78180E-01	8.96730E-03	2.31970E-02
1.00660E+03	1.92550E-02	4.78070E-01	9.20530E-03	2.38130E-02
1.00670E+03	1.97800E-02	4.77960E-01	9.45440E-03	2.44570E-02
1.00680E+03	2.03280E-02	4.77860E-01	9.71370E-03	2.51280E-02
1.00690E+03	2.08950E-02	4.77750E-01	9.98250E-03	2.58240E-02
1.00700E+03	2.14810E-02	4.77640E-01	1.02600E-02	2.65420E-02
1.00710E+03	2.20840E-02	4.77530E-01	1.05460E-02	2.72800E-02
1.00720E+03	2.27020E-02	4.77430E-01	1.08390E-02	2.80380E-02
1.00730E+03	2.33350E-02	4.77320E-01	1.11380E-02	2.88140E-02
1.00740E+03	2.39820E-02	4.77210E-01	1.14440E-02	2.96060E-02
1.00750E+03	2.46410E-02	4.77100E-01	1.17560E-02	3.04120E-02
1.00760E+03	2.53120E-02	4.76990E-01	1.20740E-02	3.12330E-02
1.00770E+03	2.59930E-02	4.76890E-01	1.23960E-02	3.20670E-02

1.00780E+03	2.66860E-02	4.76780E-01	1.27230E-02	3.29130E-02
1.00790E+03	2.73880E-02	4.76670E-01	1.30550E-02	3.37720E-02
1.00800E+03	2.81000E-02	4.76540E-01	1.33910E-02	3.46410E-02
1.00810E+03	2.88230E-02	4.76380E-01	1.37310E-02	3.55190E-02
1.00820E+03	2.95560E-02	4.76210E-01	1.40750E-02	3.64110E-02
1.00830E+03	3.03020E-02	4.76040E-01	1.44250E-02	3.73160E-02
1.00840E+03	3.10620E-02	4.75870E-01	1.47810E-02	3.82380E-02
1.00850E+03	3.18370E-02	4.75700E-01	1.51450E-02	3.91780E-02
1.00860E+03	3.26320E-02	4.75540E-01	1.55180E-02	4.01420E-02
1.00870E+03	3.34490E-02	4.75370E-01	1.59010E-02	4.11330E-02
1.00880E+03	3.42940E-02	4.75200E-01	1.62960E-02	4.21570E-02
1.00890E+03	3.51700E-02	4.75040E-01	1.67070E-02	4.32200E-02
1.00900E+03	3.60840E-02	4.74880E-01	1.71350E-02	4.43270E-02
1.00910E+03	3.70390E-02	4.74720E-01	1.75830E-02	4.54860E-02
1.00920E+03	3.80430E-02	4.74560E-01	1.80530E-02	4.67020E-02
1.00930E+03	3.90980E-02	4.74390E-01	1.85480E-02	4.79810E-02
1.00940E+03	4.02110E-02	4.74230E-01	1.90690E-02	4.93300E-02
1.00950E+03	4.13840E-02	4.74070E-01	1.96190E-02	5.07510E-02
1.00960E+03	4.26200E-02	4.73900E-01	2.01980E-02	5.22490E-02
1.00970E+03	4.39210E-02	4.73740E-01	2.08070E-02	5.38250E-02
1.00980E+03	4.52860E-02	4.73580E-01	2.14460E-02	5.54800E-02
1.00990E+03	4.67150E-02	4.73420E-01	2.21150E-02	5.72100E-02
1.01000E+03	4.82040E-02	4.73250E-01	2.28130E-02	5.90140E-02
1.01010E+03	4.97510E-02	4.73080E-01	2.35360E-02	6.08850E-02
1.01020E+03	5.13500E-02	4.72910E-01	2.42840E-02	6.28190E-02
1.01030E+03	5.29950E-02	4.72740E-01	2.50530E-02	6.48090E-02
1.01040E+03	5.46810E-02	4.72570E-01	2.58410E-02	6.68470E-02
1.01050E+03	5.64020E-02	4.72390E-01	2.66440E-02	6.89250E-02
1.01060E+03	5.81510E-02	4.72220E-01	2.74600E-02	7.10370E-02
1.01070E+03	5.99250E-02	4.72050E-01	2.82880E-02	7.31770E-02
1.01080E+03	6.17190E-02	4.71870E-01	2.91230E-02	7.53380E-02
1.01090E+03	6.35300E-02	4.71680E-01	2.99660E-02	7.75180E-02
1.01100E+03	6.53600E-02	4.71490E-01	3.08160E-02	7.97180E-02
1.01110E+03	6.72090E-02	4.71300E-01	3.16760E-02	8.19410E-02
1.01120E+03	6.90820E-02	4.71110E-01	3.25450E-02	8.41910E-02
1.01130E+03	7.09840E-02	4.70930E-01	3.34280E-02	8.64750E-02
1.01140E+03	7.29240E-02	4.70740E-01	3.43280E-02	8.88030E-02
1.01150E+03	7.49110E-02	4.70550E-01	3.52500E-02	9.11860E-02
1.01160E+03	7.69570E-02	4.70360E-01	3.61980E-02	9.36390E-02
1.01170E+03	7.90730E-02	4.70180E-01	3.71780E-02	9.61760E-02
1.01180E+03	8.12730E-02	4.69990E-01	3.81970E-02	9.88120E-02
1.01190E+03	8.35670E-02	4.69800E-01	3.92600E-02	1.01560E-01
1.01200E+03	8.59690E-02	4.69590E-01	4.03700E-02	1.04430E-01

1.01210E+03	8.84880E-02	4.69340E-01	4.15310E-02	1.07430E-01
1.01220E+03	9.11330E-02	4.69080E-01	4.27490E-02	1.10590E-01
1.01230E+03	9.39110E-02	4.68830E-01	4.40280E-02	1.13900E-01
1.01240E+03	9.68270E-02	4.68570E-01	4.53710E-02	1.17370E-01
1.01250E+03	9.98830E-02	4.68320E-01	4.67770E-02	1.21010E-01
1.01260E+03	1.03080E-01	4.68060E-01	4.82470E-02	1.24810E-01
1.01270E+03	1.06410E-01	4.67810E-01	4.97800E-02	1.28780E-01
1.01280E+03	1.09880E-01	4.67560E-01	5.13730E-02	1.32900E-01
1.01290E+03	1.13470E-01	4.67310E-01	5.30240E-02	1.37170E-01
1.01300E+03	1.17180E-01	4.67050E-01	5.47280E-02	1.41570E-01
1.01310E+03	1.21000E-01	4.66800E-01	5.64820E-02	1.46110E-01
1.01320E+03	1.24920E-01	4.66550E-01	5.82820E-02	1.50770E-01
1.01330E+03	1.28940E-01	4.66300E-01	6.01250E-02	1.55540E-01
1.01340E+03	1.33050E-01	4.66040E-01	6.20060E-02	1.60400E-01
1.01350E+03	1.37240E-01	4.65790E-01	6.39250E-02	1.65370E-01
1.01360E+03	1.41510E-01	4.65540E-01	6.58790E-02	1.70420E-01
1.01370E+03	1.45860E-01	4.65280E-01	6.78670E-02	1.75560E-01
1.01380E+03	1.50290E-01	4.65030E-01	6.98900E-02	1.80800E-01
1.01390E+03	1.54800E-01	4.64780E-01	7.19490E-02	1.86120E-01
1.01400E+03	1.59400E-01	4.64530E-01	7.40480E-02	1.91550E-01
1.01410E+03	1.64090E-01	4.64310E-01	7.61920E-02	1.97100E-01
1.01420E+03	1.68890E-01	4.64100E-01	7.83800E-02	2.02760E-01
1.01430E+03	1.73790E-01	4.63880E-01	8.06180E-02	2.08550E-01
1.01440E+03	1.78810E-01	4.63660E-01	8.29070E-02	2.14470E-01
1.01450E+03	1.83960E-01	4.63440E-01	8.52550E-02	2.20540E-01
1.01460E+03	1.89250E-01	4.63220E-01	8.76630E-02	2.26770E-01
1.01470E+03	1.94670E-01	4.63030E-01	9.01410E-02	2.33180E-01
1.01480E+03	2.00250E-01	4.62850E-01	9.26860E-02	2.39770E-01
1.01490E+03	2.05980E-01	4.62660E-01	9.53000E-02	2.46530E-01
1.01500E+03	2.11870E-01	4.62470E-01	9.79830E-02	2.53470E-01
1.01510E+03	2.17910E-01	4.62280E-01	1.00740E-01	2.60590E-01
1.01520E+03	2.24110E-01	4.62090E-01	1.03560E-01	2.67900E-01
1.01530E+03	2.30460E-01	4.61910E-01	1.06450E-01	2.75380E-01
1.01540E+03	2.36960E-01	4.61720E-01	1.09410E-01	2.83030E-01
1.01550E+03	2.43600E-01	4.61530E-01	1.12430E-01	2.90840E-01
1.01560E+03	2.50380E-01	4.61340E-01	1.15510E-01	2.98820E-01
1.01570E+03	2.57300E-01	4.61160E-01	1.18650E-01	3.06950E-01
1.01580E+03	2.64340E-01	4.60970E-01	1.21850E-01	3.15220E-01
1.01590E+03	2.71510E-01	4.60780E-01	1.25110E-01	3.23630E-01
1.01600E+03	2.78790E-01	4.60590E-01	1.28410E-01	3.32180E-01
1.01610E+03	2.86200E-01	4.60370E-01	1.31760E-01	3.40840E-01
1.01620E+03	2.93710E-01	4.60160E-01	1.35150E-01	3.49630E-01
1.01630E+03	3.01350E-01	4.59940E-01	1.38600E-01	3.58550E-01

1.01640E+03	3.09090E-01	4.59730E-01	1.42100E-01	3.67590E-01
1.01650E+03	3.16950E-01	4.59520E-01	1.45650E-01	3.76770E-01
1.01660E+03	3.24930E-01	4.59310E-01	1.49240E-01	3.86080E-01
1.01670E+03	3.33020E-01	4.59110E-01	1.52890E-01	3.95520E-01
1.01680E+03	3.41230E-01	4.58910E-01	1.56590E-01	4.05090E-01
1.01690E+03	3.49550E-01	4.58710E-01	1.60340E-01	4.14790E-01
1.01700E+03	3.57980E-01	4.58510E-01	1.64140E-01	4.24610E-01
1.01710E+03	3.66530E-01	4.58310E-01	1.67990E-01	4.34560E-01
1.01720E+03	3.75180E-01	4.58110E-01	1.71870E-01	4.44620E-01
1.01730E+03	3.83930E-01	4.57910E-01	1.75800E-01	4.54780E-01
1.01740E+03	3.92760E-01	4.57710E-01	1.79770E-01	4.65040E-01
1.01750E+03	4.01670E-01	4.57510E-01	1.83770E-01	4.75390E-01
1.01760E+03	4.10660E-01	4.57310E-01	1.87800E-01	4.85800E-01
1.01770E+03	4.19690E-01	4.57100E-01	1.91840E-01	4.96270E-01
1.01780E+03	4.28770E-01	4.56900E-01	1.95900E-01	5.06780E-01
1.01790E+03	4.37870E-01	4.56700E-01	1.99980E-01	5.17310E-01
1.01800E+03	4.46990E-01	4.56480E-01	2.04040E-01	5.27830E-01
1.01810E+03	4.56100E-01	4.56220E-01	2.08080E-01	5.38290E-01
1.01820E+03	4.65210E-01	4.55950E-01	2.12120E-01	5.48720E-01
1.01830E+03	4.74300E-01	4.55690E-01	2.16130E-01	5.59110E-01
1.01840E+03	4.83360E-01	4.55430E-01	2.20140E-01	5.69470E-01
1.01850E+03	4.92390E-01	4.55170E-01	2.24120E-01	5.79770E-01
1.01860E+03	5.01370E-01	4.54910E-01	2.28080E-01	5.90020E-01
1.01870E+03	5.10320E-01	4.54650E-01	2.32020E-01	6.00200E-01
1.01880E+03	5.19210E-01	4.54400E-01	2.35930E-01	6.10320E-01
1.01890E+03	5.28070E-01	4.54140E-01	2.39820E-01	6.20380E-01
1.01900E+03	5.36870E-01	4.53880E-01	2.43680E-01	6.30370E-01
1.01910E+03	5.45630E-01	4.53630E-01	2.47510E-01	6.40290E-01
1.01920E+03	5.54350E-01	4.53370E-01	2.51330E-01	6.50150E-01
1.01930E+03	5.63010E-01	4.53120E-01	2.55110E-01	6.59940E-01
1.01940E+03	5.71630E-01	4.52860E-01	2.58870E-01	6.69660E-01
1.01950E+03	5.80190E-01	4.52610E-01	2.62600E-01	6.79310E-01
1.01960E+03	5.88690E-01	4.52350E-01	2.66290E-01	6.88870E-01
1.01970E+03	5.97120E-01	4.52100E-01	2.69960E-01	6.98340E-01
1.01980E+03	6.05470E-01	4.51840E-01	2.73580E-01	7.07720E-01
1.01990E+03	6.13740E-01	4.51590E-01	2.77160E-01	7.16980E-01
1.02000E+03	6.21910E-01	4.51370E-01	2.80710E-01	7.26170E-01
1.02010E+03	6.29970E-01	4.51240E-01	2.84270E-01	7.35370E-01
1.02020E+03	6.37900E-01	4.51120E-01	2.87770E-01	7.44420E-01
1.02030E+03	6.45700E-01	4.50990E-01	2.91200E-01	7.53300E-01
1.02040E+03	6.53340E-01	4.50860E-01	2.94570E-01	7.62010E-01
1.02050E+03	6.60830E-01	4.50740E-01	2.97860E-01	7.70540E-01
1.02060E+03	6.68150E-01	4.50620E-01	3.01080E-01	7.78860E-01

1.02070E+03	6.75290E-01	4.50500E-01	3.04220E-01	7.86980E-01
1.02080E+03	6.82250E-01	4.50380E-01	3.07270E-01	7.94880E-01
1.02090E+03	6.89030E-01	4.50260E-01	3.10240E-01	8.02560E-01
1.02100E+03	6.95630E-01	4.50140E-01	3.13130E-01	8.10040E-01
1.02110E+03	7.02060E-01	4.50020E-01	3.15940E-01	8.17300E-01
1.02120E+03	7.08310E-01	4.49900E-01	3.18670E-01	8.24360E-01
1.02130E+03	7.14400E-01	4.49780E-01	3.21320E-01	8.31230E-01
1.02140E+03	7.20330E-01	4.49660E-01	3.23910E-01	8.37910E-01
1.02150E+03	7.26120E-01	4.49550E-01	3.26420E-01	8.44420E-01
1.02160E+03	7.31770E-01	4.49430E-01	3.28880E-01	8.50770E-01
1.02170E+03	7.37290E-01	4.49310E-01	3.31270E-01	8.56970E-01
1.02180E+03	7.42700E-01	4.49190E-01	3.33610E-01	8.63020E-01
1.02190E+03	7.47990E-01	4.49080E-01	3.35910E-01	8.68950E-01
1.02200E+03	7.53180E-01	4.48930E-01	3.38120E-01	8.74690E-01
1.02210E+03	7.58260E-01	4.48710E-01	3.40240E-01	8.80170E-01
1.02220E+03	7.63250E-01	4.48500E-01	3.42310E-01	8.85520E-01
1.02230E+03	7.68120E-01	4.48280E-01	3.44330E-01	8.90750E-01
1.02240E+03	7.72900E-01	4.48070E-01	3.46310E-01	8.95870E-01
1.02250E+03	7.77570E-01	4.47850E-01	3.48240E-01	9.00850E-01
1.02260E+03	7.82120E-01	4.47640E-01	3.50110E-01	9.05690E-01
1.02270E+03	7.86550E-01	4.47430E-01	3.51930E-01	9.10390E-01
1.02280E+03	7.90850E-01	4.47220E-01	3.53680E-01	9.14940E-01
1.02290E+03	7.95020E-01	4.47010E-01	3.55380E-01	9.19330E-01
1.02300E+03	7.99060E-01	4.46800E-01	3.57020E-01	9.23560E-01
1.02310E+03	8.02960E-01	4.46580E-01	3.58590E-01	9.27630E-01
1.02320E+03	8.06710E-01	4.46370E-01	3.60090E-01	9.31520E-01
1.02330E+03	8.10330E-01	4.46160E-01	3.61540E-01	9.35250E-01
1.02340E+03	8.13800E-01	4.45950E-01	3.62910E-01	9.38820E-01
1.02350E+03	8.17150E-01	4.45740E-01	3.64230E-01	9.42220E-01
1.02360E+03	8.20360E-01	4.45530E-01	3.65490E-01	9.45480E-01
1.02370E+03	8.23450E-01	4.45310E-01	3.66690E-01	9.48590E-01
1.02380E+03	8.26420E-01	4.45100E-01	3.67840E-01	9.51570E-01
1.02390E+03	8.29290E-01	4.44890E-01	3.68950E-01	9.54420E-01
1.02400E+03	8.32070E-01	4.44690E-01	3.70010E-01	9.57180E-01
1.02410E+03	8.34760E-01	4.44510E-01	3.71060E-01	9.59880E-01
1.02420E+03	8.37370E-01	4.44320E-01	3.72060E-01	9.62490E-01
1.02430E+03	8.39910E-01	4.44130E-01	3.73030E-01	9.64990E-01
1.02440E+03	8.42390E-01	4.43930E-01	3.73960E-01	9.67390E-01
1.02450E+03	8.44810E-01	4.43730E-01	3.74860E-01	9.69730E-01
1.02460E+03	8.47160E-01	4.43530E-01	3.75740E-01	9.72000E-01
1.02470E+03	8.49460E-01	4.43330E-01	3.76590E-01	9.74200E-01
1.02480E+03	8.51700E-01	4.43130E-01	3.77410E-01	9.76320E-01
1.02490E+03	8.53870E-01	4.42930E-01	3.78210E-01	9.78380E-01

1.02500E+03	8.55980E-01	4.42730E-01	3.78970E-01	9.80360E-01
1.02510E+03	8.58020E-01	4.42530E-01	3.79710E-01	9.82250E-01
1.02520E+03	8.59990E-01	4.42340E-01	3.80400E-01	9.84060E-01
1.02530E+03	8.61870E-01	4.42140E-01	3.81070E-01	9.85770E-01
1.02540E+03	8.63670E-01	4.41940E-01	3.81690E-01	9.87390E-01
1.02550E+03	8.65380E-01	4.41740E-01	3.82280E-01	9.88900E-01
1.02560E+03	8.67000E-01	4.41550E-01	3.82820E-01	9.90310E-01
1.02570E+03	8.68520E-01	4.41350E-01	3.83320E-01	9.91610E-01
1.02580E+03	8.69960E-01	4.41150E-01	3.83780E-01	9.92800E-01
1.02590E+03	8.71300E-01	4.40950E-01	3.84210E-01	9.93890E-01
1.02600E+03	8.72560E-01	4.40750E-01	3.84580E-01	9.94860E-01
1.02610E+03	8.73740E-01	4.40510E-01	3.84890E-01	9.95670E-01
1.02620E+03	8.74830E-01	4.40280E-01	3.85170E-01	9.96400E-01
1.02630E+03	8.75850E-01	4.40050E-01	3.85420E-01	9.97040E-01
1.02640E+03	8.76810E-01	4.39820E-01	3.85640E-01	9.97610E-01
1.02650E+03	8.77700E-01	4.39600E-01	3.85840E-01	9.98110E-01
1.02660E+03	8.78540E-01	4.39370E-01	3.86000E-01	9.98550E-01
1.02670E+03	8.79330E-01	4.39140E-01	3.86150E-01	9.98920E-01
1.02680E+03	8.80060E-01	4.38910E-01	3.86270E-01	9.99230E-01
1.02690E+03	8.80750E-01	4.38680E-01	3.86370E-01	9.99500E-01
1.02700E+03	8.81390E-01	4.38460E-01	3.86450E-01	9.99700E-01
1.02710E+03	8.81980E-01	4.38230E-01	3.86510E-01	9.99860E-01
1.02720E+03	8.82520E-01	4.38010E-01	3.86550E-01	9.99960E-01
1.02730E+03	8.83000E-01	4.37790E-01	3.86570E-01	1.00000E+00
1.02740E+03	8.83420E-01	4.37560E-01	3.86550E-01	9.99970E-01
1.02750E+03	8.83780E-01	4.37340E-01	3.86510E-01	9.99870E-01
1.02760E+03	8.84080E-01	4.37120E-01	3.86450E-01	9.99690E-01
1.02770E+03	8.84290E-01	4.36900E-01	3.86340E-01	9.99430E-01
1.02780E+03	8.84440E-01	4.36670E-01	3.86210E-01	9.99080E-01
1.02790E+03	8.84500E-01	4.36450E-01	3.86040E-01	9.98640E-01
1.02800E+03	8.84480E-01	4.36240E-01	3.85850E-01	9.98150E-01
1.02810E+03	8.84380E-01	4.36070E-01	3.85660E-01	9.97650E-01
1.02820E+03	8.84200E-01	4.35910E-01	3.85430E-01	9.97070E-01
1.02830E+03	8.83930E-01	4.35750E-01	3.85180E-01	9.96410E-01
1.02840E+03	8.83590E-01	4.35600E-01	3.84890E-01	9.95660E-01
1.02850E+03	8.83170E-01	4.35440E-01	3.84560E-01	9.94820E-01
1.02860E+03	8.82680E-01	4.35280E-01	3.84210E-01	9.93910E-01
1.02870E+03	8.82130E-01	4.35120E-01	3.83830E-01	9.92920E-01
1.02880E+03	8.81510E-01	4.34960E-01	3.83420E-01	9.91860E-01
1.02890E+03	8.80830E-01	4.34800E-01	3.82980E-01	9.90730E-01
1.02900E+03	8.80100E-01	4.34640E-01	3.82530E-01	9.89550E-01
1.02910E+03	8.79320E-01	4.34480E-01	3.82050E-01	9.88310E-01
1.02920E+03	8.78490E-01	4.34320E-01	3.81550E-01	9.87020E-01

1.02930E+03	8.77620E-01	4.34160E-01	3.81030E-01	9.85680E-01
1.02940E+03	8.76700E-01	4.34000E-01	3.80490E-01	9.84280E-01
1.02950E+03	8.75730E-01	4.33840E-01	3.79930E-01	9.82830E-01
1.02960E+03	8.74710E-01	4.33690E-01	3.79350E-01	9.81330E-01
1.02970E+03	8.73630E-01	4.33530E-01	3.78740E-01	9.79760E-01
1.02980E+03	8.72500E-01	4.33370E-01	3.78110E-01	9.78140E-01
1.02990E+03	8.71310E-01	4.33210E-01	3.77460E-01	9.76440E-01
1.03000E+03	8.70050E-01	4.33050E-01	3.76780E-01	9.74670E-01
1.03010E+03	8.68720E-01	4.32900E-01	3.76070E-01	9.72840E-01
1.03020E+03	8.67310E-01	4.32750E-01	3.75330E-01	9.70930E-01
1.03030E+03	8.65820E-01	4.32600E-01	3.74560E-01	9.68930E-01
1.03040E+03	8.64260E-01	4.32450E-01	3.73750E-01	9.66840E-01
1.03050E+03	8.62600E-01	4.32300E-01	3.72900E-01	9.64650E-01
1.03060E+03	8.60860E-01	4.32150E-01	3.72020E-01	9.62370E-01
1.03070E+03	8.59030E-01	4.32000E-01	3.71100E-01	9.59990E-01
1.03080E+03	8.57110E-01	4.31850E-01	3.70140E-01	9.57520E-01
1.03090E+03	8.55100E-01	4.31700E-01	3.69150E-01	9.54940E-01
1.03100E+03	8.53010E-01	4.31550E-01	3.68120E-01	9.52270E-01
1.03110E+03	8.50830E-01	4.31400E-01	3.67040E-01	9.49500E-01
1.03120E+03	8.48560E-01	4.31250E-01	3.65940E-01	9.46640E-01
1.03130E+03	8.46220E-01	4.31090E-01	3.64800E-01	9.43690E-01
1.03140E+03	8.43790E-01	4.30940E-01	3.63630E-01	9.40660E-01
1.03150E+03	8.41290E-01	4.30790E-01	3.62420E-01	9.37540E-01
1.03160E+03	8.38720E-01	4.30640E-01	3.61180E-01	9.34340E-01
1.03170E+03	8.36070E-01	4.30490E-01	3.59920E-01	9.31060E-01
1.03180E+03	8.33350E-01	4.30330E-01	3.58620E-01	9.27700E-01
1.03190E+03	8.30570E-01	4.30180E-01	3.57290E-01	9.24280E-01
1.03200E+03	8.27720E-01	4.30020E-01	3.55940E-01	9.20770E-01
1.03210E+03	8.24800E-01	4.29850E-01	3.54540E-01	9.17150E-01
1.03220E+03	8.21830E-01	4.29670E-01	3.53120E-01	9.13480E-01
1.03230E+03	8.18800E-01	4.29500E-01	3.51670E-01	9.09740E-01
1.03240E+03	8.15710E-01	4.29320E-01	3.50200E-01	9.05930E-01
1.03250E+03	8.12570E-01	4.29150E-01	3.48710E-01	9.02080E-01
1.03260E+03	8.09370E-01	4.28970E-01	3.47200E-01	8.98170E-01
1.03270E+03	8.06130E-01	4.28800E-01	3.45670E-01	8.94200E-01
1.03280E+03	8.02850E-01	4.28620E-01	3.44120E-01	8.90200E-01
1.03290E+03	7.99520E-01	4.28450E-01	3.42550E-01	8.86140E-01
1.03300E+03	7.96150E-01	4.28270E-01	3.40970E-01	8.82040E-01
1.03310E+03	7.92730E-01	4.28100E-01	3.39370E-01	8.77900E-01
1.03320E+03	7.89290E-01	4.27920E-01	3.37750E-01	8.73720E-01
1.03330E+03	7.85800E-01	4.27740E-01	3.36120E-01	8.69500E-01
1.03340E+03	7.82270E-01	4.27570E-01	3.34470E-01	8.65240E-01
1.03350E+03	7.78700E-01	4.27390E-01	3.32810E-01	8.60930E-01

1.03360E+03	7.75090E-01	4.27210E-01	3.31130E-01	8.56580E-01
1.03370E+03	7.71430E-01	4.27030E-01	3.29430E-01	8.52180E-01
1.03380E+03	7.67710E-01	4.26860E-01	3.27700E-01	8.47730E-01
1.03390E+03	7.63940E-01	4.26680E-01	3.25960E-01	8.43220E-01
1.03400E+03	7.60110E-01	4.26530E-01	3.24210E-01	8.38700E-01
1.03410E+03	7.56210E-01	4.26420E-01	3.22460E-01	8.34170E-01
1.03420E+03	7.52240E-01	4.26300E-01	3.20680E-01	8.29560E-01
1.03430E+03	7.48180E-01	4.26190E-01	3.18870E-01	8.24870E-01
1.03440E+03	7.44050E-01	4.26070E-01	3.17020E-01	8.20090E-01
1.03450E+03	7.39830E-01	4.25960E-01	3.15140E-01	8.15220E-01
1.03460E+03	7.35520E-01	4.25840E-01	3.13220E-01	8.10250E-01
1.03470E+03	7.31130E-01	4.25720E-01	3.11260E-01	8.05190E-01
1.03480E+03	7.26650E-01	4.25610E-01	3.09270E-01	8.00050E-01
1.03490E+03	7.22100E-01	4.25490E-01	3.07250E-01	7.94810E-01
1.03500E+03	7.17460E-01	4.25380E-01	3.05190E-01	7.89490E-01
1.03510E+03	7.12760E-01	4.25260E-01	3.03110E-01	7.84100E-01
1.03520E+03	7.07990E-01	4.25150E-01	3.01000E-01	7.78650E-01
1.03530E+03	7.03180E-01	4.25030E-01	2.98870E-01	7.73140E-01
1.03540E+03	6.98320E-01	4.24910E-01	2.96720E-01	7.67590E-01
1.03550E+03	6.93430E-01	4.24800E-01	2.94570E-01	7.62010E-01
1.03560E+03	6.88510E-01	4.24680E-01	2.92400E-01	7.56400E-01
1.03570E+03	6.83580E-01	4.24560E-01	2.90230E-01	7.50780E-01
1.03580E+03	6.78650E-01	4.24450E-01	2.88050E-01	7.45150E-01
1.03590E+03	6.73710E-01	4.24330E-01	2.85880E-01	7.39530E-01
1.03600E+03	6.68780E-01	4.24200E-01	2.83700E-01	7.33900E-01
1.03610E+03	6.63860E-01	4.24050E-01	2.81510E-01	7.28230E-01
1.03620E+03	6.58940E-01	4.23890E-01	2.79320E-01	7.22570E-01
1.03630E+03	6.54040E-01	4.23730E-01	2.77140E-01	7.16920E-01
1.03640E+03	6.49130E-01	4.23580E-01	2.74960E-01	7.11280E-01
1.03650E+03	6.44230E-01	4.23420E-01	2.72780E-01	7.05640E-01
1.03660E+03	6.39310E-01	4.23260E-01	2.70600E-01	7.00000E-01
1.03670E+03	6.34390E-01	4.23100E-01	2.68410E-01	6.94350E-01
1.03680E+03	6.29440E-01	4.22950E-01	2.66220E-01	6.88680E-01
1.03690E+03	6.24460E-01	4.22790E-01	2.64020E-01	6.82980E-01
1.03700E+03	6.19450E-01	4.22630E-01	2.61800E-01	6.77240E-01
1.03710E+03	6.14390E-01	4.22480E-01	2.59570E-01	6.71470E-01
1.03720E+03	6.09280E-01	4.22320E-01	2.57310E-01	6.65640E-01
1.03730E+03	6.04120E-01	4.22170E-01	2.55040E-01	6.59760E-01
1.03740E+03	5.98910E-01	4.22010E-01	2.52750E-01	6.53830E-01
1.03750E+03	5.93640E-01	4.21860E-01	2.50430E-01	6.47830E-01
1.03760E+03	5.88310E-01	4.21700E-01	2.48090E-01	6.41780E-01
1.03770E+03	5.82930E-01	4.21550E-01	2.45730E-01	6.35680E-01
1.03780E+03	5.77500E-01	4.21390E-01	2.43350E-01	6.29520E-01

1.03790E+03	5.72020E-01	4.21230E-01	2.40950E-01	6.23310E-01
1.03800E+03	5.66510E-01	4.21050E-01	2.38530E-01	6.17050E-01
1.03810E+03	5.60970E-01	4.20860E-01	2.36090E-01	6.10730E-01
1.03820E+03	5.55410E-01	4.20660E-01	2.33640E-01	6.04400E-01
1.03830E+03	5.49820E-01	4.20470E-01	2.31180E-01	5.98040E-01
1.03840E+03	5.44230E-01	4.20270E-01	2.28730E-01	5.91690E-01
1.03850E+03	5.38640E-01	4.20080E-01	2.26270E-01	5.85340E-01
1.03860E+03	5.33050E-01	4.19880E-01	2.23820E-01	5.78990E-01
1.03870E+03	5.27460E-01	4.19690E-01	2.21370E-01	5.72660E-01
1.03880E+03	5.21890E-01	4.19500E-01	2.18930E-01	5.66350E-01
1.03890E+03	5.16330E-01	4.19300E-01	2.16500E-01	5.60050E-01
1.03900E+03	5.10780E-01	4.19100E-01	2.14070E-01	5.53770E-01
1.03910E+03	5.05240E-01	4.18900E-01	2.11650E-01	5.47500E-01
1.03920E+03	4.99710E-01	4.18700E-01	2.09230E-01	5.41250E-01
1.03930E+03	4.94190E-01	4.18500E-01	2.06820E-01	5.35020E-01
1.03940E+03	4.88670E-01	4.18300E-01	2.04410E-01	5.28790E-01
1.03950E+03	4.83160E-01	4.18100E-01	2.02010E-01	5.22570E-01
1.03960E+03	4.77650E-01	4.17900E-01	1.99610E-01	5.16360E-01
1.03970E+03	4.72130E-01	4.17700E-01	1.97210E-01	5.10150E-01
1.03980E+03	4.66610E-01	4.17500E-01	1.94810E-01	5.03950E-01
1.03990E+03	4.61070E-01	4.17300E-01	1.92410E-01	4.97740E-01
1.04000E+03	4.55530E-01	4.17110E-01	1.90010E-01	4.91520E-01
1.04010E+03	4.49980E-01	4.16920E-01	1.87600E-01	4.85310E-01
1.04020E+03	4.44410E-01	4.16720E-01	1.85200E-01	4.79080E-01
1.04030E+03	4.38840E-01	4.16530E-01	1.82790E-01	4.72850E-01
1.04040E+03	4.33250E-01	4.16340E-01	1.80380E-01	4.66620E-01
1.04050E+03	4.27660E-01	4.16140E-01	1.77970E-01	4.60380E-01
1.04060E+03	4.22060E-01	4.15950E-01	1.75560E-01	4.54140E-01
1.04070E+03	4.16460E-01	4.15760E-01	1.73150E-01	4.47910E-01
1.04080E+03	4.10850E-01	4.15570E-01	1.70740E-01	4.41680E-01
1.04090E+03	4.05250E-01	4.15370E-01	1.68330E-01	4.35450E-01
1.04100E+03	3.99660E-01	4.15180E-01	1.65930E-01	4.29240E-01
1.04110E+03	3.94080E-01	4.14990E-01	1.63540E-01	4.23050E-01
1.04120E+03	3.88510E-01	4.14800E-01	1.61150E-01	4.16880E-01
1.04130E+03	3.82950E-01	4.14610E-01	1.58770E-01	4.10730E-01
1.04140E+03	3.77420E-01	4.14420E-01	1.56410E-01	4.04610E-01
1.04150E+03	3.71910E-01	4.14230E-01	1.54050E-01	3.98520E-01
1.04160E+03	3.66430E-01	4.14040E-01	1.51710E-01	3.92460E-01
1.04170E+03	3.60970E-01	4.13850E-01	1.49390E-01	3.86450E-01
1.04180E+03	3.55550E-01	4.13670E-01	1.47080E-01	3.80480E-01
1.04190E+03	3.50170E-01	4.13480E-01	1.44790E-01	3.74550E-01
1.04200E+03	3.44820E-01	4.13310E-01	1.42520E-01	3.68680E-01
1.04210E+03	3.39510E-01	4.13180E-01	1.40280E-01	3.62880E-01

1.04220E+03	3.34240E-01	4.13050E-01	1.38060E-01	3.57140E-01
1.04230E+03	3.29010E-01	4.12920E-01	1.35850E-01	3.51440E-01
1.04240E+03	3.23820E-01	4.12790E-01	1.33670E-01	3.45780E-01
1.04250E+03	3.18670E-01	4.12660E-01	1.31500E-01	3.40180E-01
1.04260E+03	3.13560E-01	4.12530E-01	1.29350E-01	3.34610E-01
1.04270E+03	3.08490E-01	4.12390E-01	1.27220E-01	3.29100E-01
1.04280E+03	3.03450E-01	4.12260E-01	1.25100E-01	3.23620E-01
1.04290E+03	2.98440E-01	4.12130E-01	1.23000E-01	3.18180E-01
1.04300E+03	2.93470E-01	4.12000E-01	1.20910E-01	3.12780E-01
1.04310E+03	2.88520E-01	4.11870E-01	1.18830E-01	3.07410E-01
1.04320E+03	2.83590E-01	4.11750E-01	1.16770E-01	3.02070E-01
1.04330E+03	2.78690E-01	4.11620E-01	1.14710E-01	2.96750E-01
1.04340E+03	2.73800E-01	4.11490E-01	1.12660E-01	2.91450E-01
1.04350E+03	2.68920E-01	4.11370E-01	1.10620E-01	2.86170E-01
1.04360E+03	2.64060E-01	4.11230E-01	1.08590E-01	2.80910E-01
1.04370E+03	2.59210E-01	4.11100E-01	1.06560E-01	2.75670E-01
1.04380E+03	2.54380E-01	4.10970E-01	1.04540E-01	2.70440E-01
1.04390E+03	2.49570E-01	4.10830E-01	1.02530E-01	2.65230E-01
1.04400E+03	2.44770E-01	4.10700E-01	1.00530E-01	2.60050E-01
1.04410E+03	2.40000E-01	4.10540E-01	9.85300E-02	2.54880E-01
1.04420E+03	2.35260E-01	4.10390E-01	9.65470E-02	2.49760E-01
1.04430E+03	2.30550E-01	4.10230E-01	9.45810E-02	2.44670E-01
1.04440E+03	2.25890E-01	4.10080E-01	9.26340E-02	2.39630E-01
1.04450E+03	2.21280E-01	4.09930E-01	9.07100E-02	2.34660E-01
1.04460E+03	2.16730E-01	4.09770E-01	8.88110E-02	2.29740E-01
1.04470E+03	2.12240E-01	4.09620E-01	8.69390E-02	2.24900E-01
1.04480E+03	2.07830E-01	4.09470E-01	8.50970E-02	2.20140E-01
1.04490E+03	2.03480E-01	4.09310E-01	8.32880E-02	2.15460E-01
1.04500E+03	1.99220E-01	4.09160E-01	8.15110E-02	2.10860E-01
1.04510E+03	1.95030E-01	4.09000E-01	7.97690E-02	2.06350E-01
1.04520E+03	1.90930E-01	4.08850E-01	7.80600E-02	2.01930E-01
1.04530E+03	1.86900E-01	4.08690E-01	7.63850E-02	1.97600E-01
1.04540E+03	1.82950E-01	4.08530E-01	7.47410E-02	1.93350E-01
1.04550E+03	1.79070E-01	4.08380E-01	7.31270E-02	1.89170E-01
1.04560E+03	1.75250E-01	4.08220E-01	7.15400E-02	1.85070E-01
1.04570E+03	1.71490E-01	4.08070E-01	6.99770E-02	1.81020E-01
1.04580E+03	1.67770E-01	4.07910E-01	6.84350E-02	1.77030E-01
1.04590E+03	1.64090E-01	4.07760E-01	6.69090E-02	1.73090E-01
1.04600E+03	1.60450E-01	4.07600E-01	6.53980E-02	1.69180E-01
1.04610E+03	1.56830E-01	4.07460E-01	6.39000E-02	1.65300E-01
1.04620E+03	1.53220E-01	4.07320E-01	6.24100E-02	1.61450E-01
1.04630E+03	1.49630E-01	4.07180E-01	6.09270E-02	1.57610E-01
1.04640E+03	1.46050E-01	4.07030E-01	5.94490E-02	1.53790E-01

1.04650E+03	1.42480E-01	4.06890E-01	5.79760E-02	1.49980E-01
1.04660E+03	1.38930E-01	4.06750E-01	5.65100E-02	1.46180E-01
1.04670E+03	1.35390E-01	4.06610E-01	5.50510E-02	1.42410E-01
1.04680E+03	1.31870E-01	4.06470E-01	5.36030E-02	1.38660E-01
1.04690E+03	1.28390E-01	4.06330E-01	5.21670E-02	1.34950E-01
1.04700E+03	1.24940E-01	4.06180E-01	5.07480E-02	1.31280E-01
1.04710E+03	1.21540E-01	4.06040E-01	4.93510E-02	1.27660E-01
1.04720E+03	1.18200E-01	4.05900E-01	4.79780E-02	1.24110E-01
1.04730E+03	1.14930E-01	4.05760E-01	4.66340E-02	1.20640E-01
1.04740E+03	1.11740E-01	4.05630E-01	4.53240E-02	1.17250E-01
1.04750E+03	1.08640E-01	4.05500E-01	4.40510E-02	1.13960E-01
1.04760E+03	1.05630E-01	4.05370E-01	4.28180E-02	1.10760E-01
1.04770E+03	1.02720E-01	4.05240E-01	4.16260E-02	1.07680E-01
1.04780E+03	9.99150E-02	4.05110E-01	4.04760E-02	1.04710E-01
1.04790E+03	9.72160E-02	4.04980E-01	3.93700E-02	1.01850E-01
1.04800E+03	9.46180E-02	4.04840E-01	3.83050E-02	9.90900E-02
1.04810E+03	9.21200E-02	4.04670E-01	3.72780E-02	9.64340E-02
1.04820E+03	8.97150E-02	4.04500E-01	3.62900E-02	9.38770E-02
1.04830E+03	8.73960E-02	4.04330E-01	3.53370E-02	9.14120E-02
1.04840E+03	8.51540E-02	4.04160E-01	3.44160E-02	8.90290E-02
1.04850E+03	8.29800E-02	4.03990E-01	3.35230E-02	8.67200E-02
1.04860E+03	8.08630E-02	4.03820E-01	3.26540E-02	8.44720E-02
1.04870E+03	7.87940E-02	4.03650E-01	3.18050E-02	8.22770E-02
1.04880E+03	7.67640E-02	4.03480E-01	3.09730E-02	8.01240E-02
1.04890E+03	7.47660E-02	4.03310E-01	3.01540E-02	7.80050E-02
1.04900E+03	7.27920E-02	4.03150E-01	2.93460E-02	7.59140E-02
1.04910E+03	7.08380E-02	4.02980E-01	2.85460E-02	7.38460E-02
1.04920E+03	6.89010E-02	4.02810E-01	2.77540E-02	7.17970E-02
1.04930E+03	6.69810E-02	4.02650E-01	2.69700E-02	6.97680E-02
1.04940E+03	6.50780E-02	4.02480E-01	2.61930E-02	6.77570E-02
1.04950E+03	6.31960E-02	4.02310E-01	2.54240E-02	6.57690E-02
1.04960E+03	6.13390E-02	4.02130E-01	2.46660E-02	6.38090E-02
1.04970E+03	5.95120E-02	4.01960E-01	2.39220E-02	6.18820E-02
1.04980E+03	5.77220E-02	4.01790E-01	2.31920E-02	5.99950E-02
1.04990E+03	5.59750E-02	4.01620E-01	2.24800E-02	5.81540E-02
1.05000E+03	5.42770E-02	4.01440E-01	2.17890E-02	5.63670E-02
1.05010E+03	5.26360E-02	4.01270E-01	2.11210E-02	5.46380E-02
1.05020E+03	5.10550E-02	4.01090E-01	2.04780E-02	5.29730E-02
1.05030E+03	4.95390E-02	4.00910E-01	1.98610E-02	5.13770E-02
1.05040E+03	4.80890E-02	4.00740E-01	1.92710E-02	4.98520E-02
1.05050E+03	4.67070E-02	4.00560E-01	1.87090E-02	4.83980E-02
1.05060E+03	4.53910E-02	4.00380E-01	1.81740E-02	4.70140E-02
1.05070E+03	4.41390E-02	4.00210E-01	1.76650E-02	4.56970E-02

1.05080E+03	4.29470E-02	4.00030E-01	1.71800E-02	4.44430E-02
1.05090E+03	4.18090E-02	3.99850E-01	1.67170E-02	4.32460E-02
1.05100E+03	4.07180E-02	3.99680E-01	1.62740E-02	4.20990E-02
1.05110E+03	3.96670E-02	3.99500E-01	1.58470E-02	4.09940E-02
1.05120E+03	3.86490E-02	3.99320E-01	1.54330E-02	3.99250E-02
1.05130E+03	3.76560E-02	3.99150E-01	1.50300E-02	3.88810E-02
1.05140E+03	3.66810E-02	3.98970E-01	1.46340E-02	3.78570E-02
1.05150E+03	3.57170E-02	3.98790E-01	1.42430E-02	3.68460E-02
1.05160E+03	3.47580E-02	3.98610E-01	1.38550E-02	3.58420E-02
1.05170E+03	3.38020E-02	3.98440E-01	1.34680E-02	3.48400E-02
1.05180E+03	3.28440E-02	3.98260E-01	1.30800E-02	3.38380E-02
1.05190E+03	3.18840E-02	3.98080E-01	1.26920E-02	3.28340E-02
1.05200E+03	3.09210E-02	3.97910E-01	1.23040E-02	3.18290E-02
1.05210E+03	2.99580E-02	3.97770E-01	1.19160E-02	3.08260E-02
1.05220E+03	2.89970E-02	3.97620E-01	1.15300E-02	2.98270E-02
1.05230E+03	2.80430E-02	3.97480E-01	1.11460E-02	2.88340E-02
1.05240E+03	2.71000E-02	3.97330E-01	1.07680E-02	2.78540E-02
1.05250E+03	2.61730E-02	3.97180E-01	1.03950E-02	2.68920E-02
1.05260E+03	2.52680E-02	3.97040E-01	1.00320E-02	2.59530E-02
1.05270E+03	2.43910E-02	3.96890E-01	9.68070E-03	2.50430E-02
1.05280E+03	2.35470E-02	3.96750E-01	9.34220E-03	2.41670E-02
1.05290E+03	2.27410E-02	3.96600E-01	9.01890E-03	2.33310E-02
1.05300E+03	2.19750E-02	3.96450E-01	8.71220E-03	2.25370E-02
1.05310E+03	2.12540E-02	3.96300E-01	8.42320E-03	2.17900E-02
1.05320E+03	2.05790E-02	3.96150E-01	8.15250E-03	2.10900E-02
1.05330E+03	1.99500E-02	3.96000E-01	7.90040E-03	2.04370E-02
1.05340E+03	1.93670E-02	3.95850E-01	7.66650E-03	1.98320E-02
1.05350E+03	1.88280E-02	3.95700E-01	7.45020E-03	1.92730E-02
1.05360E+03	1.83300E-02	3.95550E-01	7.25030E-03	1.87560E-02
1.05370E+03	1.78690E-02	3.95390E-01	7.06510E-03	1.82770E-02
1.05380E+03	1.74400E-02	3.95240E-01	6.89290E-03	1.78310E-02
1.05390E+03	1.70380E-02	3.95090E-01	6.73150E-03	1.74140E-02
1.05400E+03	1.66580E-02	3.94940E-01	6.57870E-03	1.70180E-02
1.05410E+03	1.62940E-02	3.94780E-01	6.43240E-03	1.66400E-02
1.05420E+03	1.59400E-02	3.94630E-01	6.29040E-03	1.62720E-02
1.05430E+03	1.55920E-02	3.94470E-01	6.15060E-03	1.59110E-02
1.05440E+03	1.52440E-02	3.94320E-01	6.01120E-03	1.55500E-02
1.05450E+03	1.48940E-02	3.94160E-01	5.87070E-03	1.51870E-02
1.05460E+03	1.45370E-02	3.94010E-01	5.72780E-03	1.48170E-02
1.05470E+03	1.41720E-02	3.93860E-01	5.58170E-03	1.44390E-02
1.05480E+03	1.37970E-02	3.93700E-01	5.43190E-03	1.40520E-02
1.05490E+03	1.34110E-02	3.93550E-01	5.27800E-03	1.36540E-02
1.05500E+03	1.30160E-02	3.93390E-01	5.12040E-03	1.32460E-02

1.05510E+03	1.26120E-02	3.93240E-01	4.95940E-03	1.28300E-02
1.05520E+03	1.22010E-02	3.93090E-01	4.79610E-03	1.24070E-02
1.05530E+03	1.17860E-02	3.92940E-01	4.63140E-03	1.19810E-02
1.05540E+03	1.13710E-02	3.92790E-01	4.46650E-03	1.15540E-02
1.05550E+03	1.09590E-02	3.92640E-01	4.30290E-03	1.11310E-02
1.05560E+03	1.05530E-02	3.92490E-01	4.14200E-03	1.07150E-02
1.05570E+03	1.01570E-02	3.92350E-01	3.98520E-03	1.03090E-02
1.05580E+03	9.77530E-03	3.92200E-01	3.83390E-03	9.91770E-03
1.05590E+03	9.40980E-03	3.92050E-01	3.68910E-03	9.54330E-03
1.05600E+03	9.06330E-03	3.91880E-01	3.55170E-03	9.18790E-03
1.05610E+03	8.73760E-03	3.91660E-01	3.42220E-03	8.85280E-03
1.05620E+03	8.43390E-03	3.91440E-01	3.30140E-03	8.54030E-03
1.05630E+03	8.15270E-03	3.91220E-01	3.18950E-03	8.25090E-03
1.05640E+03	7.89370E-03	3.91000E-01	3.08650E-03	7.98430E-03
1.05650E+03	7.65610E-03	3.90780E-01	2.99190E-03	7.73960E-03
1.05660E+03	7.43850E-03	3.90560E-01	2.90520E-03	7.51550E-03
1.05670E+03	7.23900E-03	3.90340E-01	2.82570E-03	7.30970E-03
1.05680E+03	7.05520E-03	3.90120E-01	2.75240E-03	7.12020E-03
1.05690E+03	6.88460E-03	3.89900E-01	2.68440E-03	6.94410E-03
1.05700E+03	6.72440E-03	3.89690E-01	2.62040E-03	6.77870E-03
1.05710E+03	6.57170E-03	3.89470E-01	2.55950E-03	6.62100E-03
1.05720E+03	6.42390E-03	3.89240E-01	2.50050E-03	6.46840E-03
1.05730E+03	6.27860E-03	3.89020E-01	2.44250E-03	6.31840E-03
1.05740E+03	6.13390E-03	3.88790E-01	2.38480E-03	6.16930E-03
1.05750E+03	5.98850E-03	3.88570E-01	2.32690E-03	6.01950E-03
1.05760E+03	5.84150E-03	3.88340E-01	2.26850E-03	5.86840E-03
1.05770E+03	5.69320E-03	3.88120E-01	2.20960E-03	5.71600E-03
1.05780E+03	5.54400E-03	3.87900E-01	2.15050E-03	5.56300E-03
1.05790E+03	5.39510E-03	3.87670E-01	2.09150E-03	5.41060E-03
1.05800E+03	5.24840E-03	3.87440E-01	2.03350E-03	5.26030E-03
1.05810E+03	5.10570E-03	3.87200E-01	1.97700E-03	5.11410E-03
1.05820E+03	4.96910E-03	3.86960E-01	1.92280E-03	4.97420E-03
1.05830E+03	4.84060E-03	3.86720E-01	1.87200E-03	4.84260E-03
1.05840E+03	4.72220E-03	3.86490E-01	1.82500E-03	4.72120E-03
1.05850E+03	4.61540E-03	3.86250E-01	1.78270E-03	4.61150E-03
1.05860E+03	4.52150E-03	3.86010E-01	1.74530E-03	4.51490E-03
1.05870E+03	4.44130E-03	3.85770E-01	1.71330E-03	4.43220E-03
1.05880E+03	4.37510E-03	3.85530E-01	1.68680E-03	4.36340E-03
1.05890E+03	4.32280E-03	3.85290E-01	1.66550E-03	4.30860E-03
1.05900E+03	4.28350E-03	3.85060E-01	1.64940E-03	4.26680E-03
1.05910E+03	4.25560E-03	3.84830E-01	1.63770E-03	4.23650E-03
1.05920E+03	4.23730E-03	3.84600E-01	1.62970E-03	4.21580E-03
1.05930E+03	4.22580E-03	3.84370E-01	1.62430E-03	4.20180E-03

1.05940E+03	4.21800E-03	3.84150E-01	1.62030E-03	4.19160E-03
1.05950E+03	4.21080E-03	3.83920E-01	1.61660E-03	4.18200E-03
1.05960E+03	4.20070E-03	3.83690E-01	1.61180E-03	4.16950E-03
1.05970E+03	4.18460E-03	3.83470E-01	1.60460E-03	4.15100E-03
1.05980E+03	4.15960E-03	3.83240E-01	1.59410E-03	4.12380E-03
1.05990E+03	4.12360E-03	3.83010E-01	1.57940E-03	4.08570E-03
1.06000E+03	4.07490E-03	3.82790E-01	1.55980E-03	4.03510E-03
1.06010E+03	4.01280E-03	3.82570E-01	1.53520E-03	3.97130E-03
1.06020E+03	3.93710E-03	3.82350E-01	1.50530E-03	3.89410E-03
1.06030E+03	3.84830E-03	3.82130E-01	1.47060E-03	3.80420E-03
1.06040E+03	3.74770E-03	3.81910E-01	1.43130E-03	3.70260E-03
1.06050E+03	3.63690E-03	3.81690E-01	1.38820E-03	3.59100E-03
1.06060E+03	3.51760E-03	3.81470E-01	1.34190E-03	3.47120E-03
1.06070E+03	3.39230E-03	3.81250E-01	1.29330E-03	3.34560E-03
1.06080E+03	3.26300E-03	3.81030E-01	1.24330E-03	3.21630E-03
1.06090E+03	3.13210E-03	3.80820E-01	1.19270E-03	3.08550E-03
1.06100E+03	3.00170E-03	3.80610E-01	1.14250E-03	2.95550E-03
1.06110E+03	2.87390E-03	3.80400E-01	1.09330E-03	2.82810E-03
1.06120E+03	2.75040E-03	3.80200E-01	1.04570E-03	2.70510E-03
1.06130E+03	2.63270E-03	3.79990E-01	1.00040E-03	2.58790E-03
1.06140E+03	2.52160E-03	3.79790E-01	9.57660E-04	2.47740E-03
1.06150E+03	2.41750E-03	3.79580E-01	9.17650E-04	2.37390E-03
1.06160E+03	2.32040E-03	3.79380E-01	8.80300E-04	2.27720E-03
1.06170E+03	2.22940E-03	3.79170E-01	8.45310E-04	2.18670E-03
1.06180E+03	2.14310E-03	3.78970E-01	8.12180E-04	2.10100E-03
1.06190E+03	2.06010E-03	3.78760E-01	7.80300E-04	2.01860E-03
1.06200E+03	1.97860E-03	3.78570E-01	7.49050E-04	1.93770E-03
1.06210E+03	1.89700E-03	3.78390E-01	7.17810E-04	1.85690E-03
1.06220E+03	1.81410E-03	3.78210E-01	6.86120E-04	1.77490E-03
1.06230E+03	1.72930E-03	3.78030E-01	6.53720E-04	1.69110E-03
1.06240E+03	1.64240E-03	3.77860E-01	6.20580E-04	1.60540E-03
1.06250E+03	1.55420E-03	3.77680E-01	5.86990E-04	1.51850E-03
1.06260E+03	1.46590E-03	3.77500E-01	5.53380E-04	1.43150E-03
1.06270E+03	1.37910E-03	3.77320E-01	5.20380E-04	1.34610E-03
1.06280E+03	1.29580E-03	3.77150E-01	4.88700E-04	1.26420E-03
1.06290E+03	1.21780E-03	3.76980E-01	4.59080E-04	1.18760E-03
1.06300E+03	1.14690E-03	3.76810E-01	4.32160E-04	1.11790E-03
1.06310E+03	1.08470E-03	3.76650E-01	4.08550E-04	1.05690E-03
1.06320E+03	1.03260E-03	3.76480E-01	3.88740E-04	1.00560E-03
1.06330E+03	9.91700E-04	3.76320E-01	3.73200E-04	9.65420E-04
1.06340E+03	9.63530E-04	3.76160E-01	3.62440E-04	9.37590E-04
1.06350E+03	9.49450E-04	3.75990E-01	3.56990E-04	9.23490E-04
1.06360E+03	0.00000E+00	3.75830E-01	0.00000E+00	0.00000E+00

Channel 10				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.79320E+02	0.00000E+00	4.77910E-01	0.00000E+00	0.00000E+00
7.79420E+02	1.85710E-04	4.78130E-01	8.87930E-05	2.18420E-04
7.79520E+02	2.97140E-04	4.78350E-01	1.42140E-04	3.49640E-04
7.79620E+02	3.24260E-04	4.78580E-01	1.55180E-04	3.81730E-04
7.79720E+02	2.56860E-04	4.78800E-01	1.22980E-04	3.02520E-04
7.79820E+02	1.36060E-04	4.79020E-01	6.51740E-05	1.60320E-04
7.79920E+02	2.75590E-04	4.79240E-01	1.32080E-04	3.24890E-04
7.80020E+02	6.15770E-04	4.79470E-01	2.95240E-04	7.26250E-04
7.80120E+02	1.01770E-03	4.79690E-01	4.88160E-04	1.20080E-03
7.80220E+02	1.43590E-03	4.79910E-01	6.89110E-04	1.69510E-03
7.80320E+02	1.83260E-03	4.80140E-01	8.79900E-04	2.16440E-03
7.80420E+02	1.58140E-03	4.80360E-01	7.59640E-04	1.86860E-03
7.80520E+02	1.67820E-03	4.80580E-01	8.06520E-04	1.98390E-03
7.80620E+02	1.77330E-03	4.80810E-01	8.52590E-04	2.09730E-03
7.80720E+02	1.87220E-03	4.81030E-01	9.00580E-04	2.21530E-03
7.80820E+02	1.98030E-03	4.81250E-01	9.53020E-04	2.34430E-03
7.80920E+02	2.10020E-03	4.81480E-01	1.01120E-03	2.48750E-03
7.81020E+02	2.21940E-03	4.81700E-01	1.06910E-03	2.62970E-03
7.81120E+02	2.32770E-03	4.81930E-01	1.12180E-03	2.75940E-03
7.81220E+02	2.42210E-03	4.82150E-01	1.16780E-03	2.87270E-03
7.81320E+02	2.50220E-03	4.82350E-01	1.20690E-03	2.96880E-03
7.81420E+02	2.56970E-03	4.82540E-01	1.24000E-03	3.05020E-03
7.81520E+02	2.62870E-03	4.82740E-01	1.26900E-03	3.12150E-03
7.81620E+02	2.68470E-03	4.82930E-01	1.29650E-03	3.18920E-03
7.81720E+02	2.74400E-03	4.83130E-01	1.32570E-03	3.26100E-03
7.81820E+02	2.81280E-03	4.83330E-01	1.35950E-03	3.34410E-03
7.81920E+02	2.89620E-03	4.83520E-01	1.40040E-03	3.44470E-03
7.82020E+02	2.99740E-03	4.83700E-01	1.44990E-03	3.56640E-03
7.82120E+02	3.11720E-03	4.83790E-01	1.50810E-03	3.70970E-03
7.82220E+02	3.25390E-03	4.83880E-01	1.57450E-03	3.87310E-03
7.82320E+02	3.40350E-03	4.83970E-01	1.64720E-03	4.05180E-03
7.82420E+02	3.56040E-03	4.84070E-01	1.72350E-03	4.23950E-03
7.82520E+02	3.71860E-03	4.84160E-01	1.80040E-03	4.42860E-03
7.82620E+02	3.87230E-03	4.84250E-01	1.87510E-03	4.61260E-03
7.82720E+02	4.01740E-03	4.84340E-01	1.94580E-03	4.78640E-03
7.82820E+02	4.15220E-03	4.84430E-01	2.01140E-03	4.94780E-03
7.82920E+02	4.27730E-03	4.84520E-01	2.07250E-03	5.09800E-03
7.83020E+02	4.39610E-03	4.84610E-01	2.13040E-03	5.24050E-03

7.83120E+02	4.51330E-03	4.84710E-01	2.18760E-03	5.38120E-03
7.83220E+02	4.63480E-03	4.84780E-01	2.24690E-03	5.52690E-03
7.83320E+02	4.76610E-03	4.84840E-01	2.31080E-03	5.68420E-03
7.83420E+02	4.91150E-03	4.84900E-01	2.38160E-03	5.85840E-03
7.83520E+02	5.07320E-03	4.84960E-01	2.46030E-03	6.05200E-03
7.83620E+02	5.25070E-03	4.85030E-01	2.54670E-03	6.26460E-03
7.83720E+02	5.44120E-03	4.85090E-01	2.63950E-03	6.49270E-03
7.83820E+02	5.63960E-03	4.85150E-01	2.73610E-03	6.73030E-03
7.83920E+02	5.83960E-03	4.85210E-01	2.83350E-03	6.96990E-03
7.84020E+02	6.03480E-03	4.85310E-01	2.92870E-03	7.20430E-03
7.84120E+02	6.22010E-03	4.85540E-01	3.02010E-03	7.42910E-03
7.84220E+02	6.39270E-03	4.85780E-01	3.10540E-03	7.63890E-03
7.84320E+02	6.55290E-03	4.86010E-01	3.18480E-03	7.83410E-03
7.84420E+02	6.70410E-03	4.86250E-01	3.25990E-03	8.01880E-03
7.84520E+02	6.85270E-03	4.86480E-01	3.33370E-03	8.20040E-03
7.84620E+02	7.00680E-03	4.86720E-01	3.41030E-03	8.38880E-03
7.84720E+02	7.17550E-03	4.86950E-01	3.49410E-03	8.59500E-03
7.84820E+02	7.36730E-03	4.87190E-01	3.58920E-03	8.82900E-03
7.84920E+02	7.58860E-03	4.87420E-01	3.69880E-03	9.09850E-03
7.85020E+02	7.84280E-03	4.87650E-01	3.82460E-03	9.40790E-03
7.85120E+02	8.13000E-03	4.87880E-01	3.96650E-03	9.75690E-03
7.85220E+02	8.44680E-03	4.88100E-01	4.12290E-03	1.01420E-02
7.85320E+02	8.78700E-03	4.88310E-01	4.29080E-03	1.05550E-02
7.85420E+02	9.14290E-03	4.88530E-01	4.46660E-03	1.09870E-02
7.85520E+02	9.50670E-03	4.88750E-01	4.64640E-03	1.14290E-02
7.85620E+02	9.87240E-03	4.88960E-01	4.82730E-03	1.18740E-02
7.85720E+02	1.02370E-02	4.89180E-01	5.00770E-03	1.23180E-02
7.85820E+02	1.06010E-02	4.89400E-01	5.18810E-03	1.27620E-02
7.85920E+02	1.09700E-02	4.89610E-01	5.37110E-03	1.32120E-02
7.86020E+02	1.13530E-02	4.89820E-01	5.56100E-03	1.36790E-02
7.86120E+02	1.17620E-02	4.89950E-01	5.76300E-03	1.41760E-02
7.86220E+02	1.22110E-02	4.90090E-01	5.98450E-03	1.47210E-02
7.86320E+02	1.27130E-02	4.90230E-01	6.23200E-03	1.53300E-02
7.86420E+02	1.32780E-02	4.90370E-01	6.51110E-03	1.60160E-02
7.86520E+02	1.39150E-02	4.90510E-01	6.82520E-03	1.67890E-02
7.86620E+02	1.46260E-02	4.90650E-01	7.17610E-03	1.76520E-02
7.86720E+02	1.54100E-02	4.90780E-01	7.56290E-03	1.86040E-02
7.86820E+02	1.62610E-02	4.90920E-01	7.98270E-03	1.96360E-02
7.86920E+02	1.71690E-02	4.91060E-01	8.43100E-03	2.07390E-02
7.87020E+02	1.81240E-02	4.91200E-01	8.90260E-03	2.18990E-02
7.87120E+02	1.91160E-02	4.91320E-01	9.39220E-03	2.31030E-02
7.87220E+02	2.01360E-02	4.91430E-01	9.89580E-03	2.43420E-02
7.87320E+02	2.11800E-02	4.91550E-01	1.04110E-02	2.56100E-02

7.87420E+02	2.22460E-02	4.91670E-01	1.09380E-02	2.69050E-02
7.87520E+02	2.33380E-02	4.91790E-01	1.14770E-02	2.82320E-02
7.87620E+02	2.44630E-02	4.91910E-01	1.20340E-02	2.96010E-02
7.87720E+02	2.56320E-02	4.92020E-01	1.26120E-02	3.10230E-02
7.87820E+02	2.68560E-02	4.92140E-01	1.32170E-02	3.25120E-02
7.87920E+02	2.81450E-02	4.92260E-01	1.38550E-02	3.40810E-02
7.88020E+02	2.95100E-02	4.92390E-01	1.45300E-02	3.57420E-02
7.88120E+02	3.09550E-02	4.92540E-01	1.52470E-02	3.75050E-02
7.88220E+02	3.24850E-02	4.92700E-01	1.60060E-02	3.93710E-02
7.88320E+02	3.41000E-02	4.92860E-01	1.68060E-02	4.13410E-02
7.88420E+02	3.57970E-02	4.93020E-01	1.76480E-02	4.34130E-02
7.88520E+02	3.75730E-02	4.93170E-01	1.85300E-02	4.55820E-02
7.88620E+02	3.94270E-02	4.93330E-01	1.94510E-02	4.78460E-02
7.88720E+02	4.13580E-02	4.93490E-01	2.04100E-02	5.02050E-02
7.88820E+02	4.33690E-02	4.93650E-01	2.14090E-02	5.26630E-02
7.88920E+02	4.54670E-02	4.93810E-01	2.24520E-02	5.52280E-02
7.89020E+02	4.76640E-02	4.93930E-01	2.35430E-02	5.79120E-02
7.89120E+02	4.99730E-02	4.94050E-01	2.46900E-02	6.07330E-02
7.89220E+02	5.24140E-02	4.94170E-01	2.59020E-02	6.37140E-02
7.89320E+02	5.19660E-02	4.94290E-01	2.56870E-02	6.31850E-02
7.89420E+02	5.48250E-02	4.94410E-01	2.71060E-02	6.66760E-02
7.89520E+02	5.78100E-02	4.94530E-01	2.85890E-02	7.03240E-02
7.89620E+02	6.09070E-02	4.94650E-01	3.01280E-02	7.41090E-02
7.89720E+02	6.41140E-02	4.94770E-01	3.17210E-02	7.80300E-02
7.89820E+02	6.74420E-02	4.94890E-01	3.33760E-02	8.21000E-02
7.89920E+02	7.09160E-02	4.95010E-01	3.51040E-02	8.63510E-02
7.90020E+02	7.45710E-02	4.95120E-01	3.69220E-02	9.08220E-02
7.90120E+02	7.84460E-02	4.95210E-01	3.88470E-02	9.55580E-02
7.90220E+02	8.25780E-02	4.95300E-01	4.09010E-02	1.00610E-01
7.90320E+02	8.70020E-02	4.95390E-01	4.31000E-02	1.06020E-01
7.90420E+02	9.17430E-02	4.95480E-01	4.54570E-02	1.11820E-01
7.90520E+02	9.68190E-02	4.95560E-01	4.79800E-02	1.18020E-01
7.90620E+02	1.02240E-01	4.95650E-01	5.06740E-02	1.24650E-01
7.90720E+02	1.08000E-01	4.95740E-01	5.35400E-02	1.31700E-01
7.90820E+02	1.14100E-01	4.95830E-01	5.65760E-02	1.39170E-01
7.90920E+02	1.20550E-01	4.95910E-01	5.97810E-02	1.47050E-01
7.91020E+02	1.27340E-01	4.95990E-01	6.31570E-02	1.55360E-01
7.91120E+02	1.34470E-01	4.96060E-01	6.67070E-02	1.64090E-01
7.91220E+02	1.41980E-01	4.96140E-01	7.04390E-02	1.73270E-01
7.91320E+02	1.49860E-01	4.96210E-01	7.43620E-02	1.82920E-01
7.91420E+02	1.58150E-01	4.96290E-01	7.84890E-02	1.93070E-01
7.91520E+02	1.66880E-01	4.96360E-01	8.28310E-02	2.03750E-01
7.91620E+02	1.76050E-01	4.96440E-01	8.73990E-02	2.14990E-01

7.91720E+02	1.85700E-01	4.96510E-01	9.22000E-02	2.26800E-01
7.91820E+02	1.95820E-01	4.96590E-01	9.72400E-02	2.39200E-01
7.91920E+02	2.06420E-01	4.96660E-01	1.02520E-01	2.52180E-01
7.92020E+02	2.17490E-01	4.96710E-01	1.08030E-01	2.65740E-01
7.92120E+02	2.29020E-01	4.96700E-01	1.13750E-01	2.79820E-01
7.92220E+02	2.41000E-01	4.96690E-01	1.19700E-01	2.94450E-01
7.92320E+02	2.53410E-01	4.96670E-01	1.25860E-01	3.09600E-01
7.92420E+02	2.66240E-01	4.96660E-01	1.32230E-01	3.25260E-01
7.92520E+02	2.79470E-01	4.96640E-01	1.38790E-01	3.41410E-01
7.92620E+02	2.93090E-01	4.96630E-01	1.45560E-01	3.58050E-01
7.92720E+02	3.07090E-01	4.96610E-01	1.52510E-01	3.75140E-01
7.92820E+02	3.21460E-01	4.96600E-01	1.59640E-01	3.92690E-01
7.92920E+02	3.36170E-01	4.96600E-01	1.66940E-01	4.10650E-01
7.93020E+02	3.51180E-01	4.96600E-01	1.74400E-01	4.28990E-01
7.93120E+02	3.66460E-01	4.96600E-01	1.81980E-01	4.47650E-01
7.93220E+02	3.81940E-01	4.96590E-01	1.89670E-01	4.66550E-01
7.93320E+02	3.97560E-01	4.96590E-01	1.97420E-01	4.85630E-01
7.93420E+02	4.13240E-01	4.96590E-01	2.05210E-01	5.04780E-01
7.93520E+02	4.28910E-01	4.96580E-01	2.12990E-01	5.23930E-01
7.93620E+02	4.44520E-01	4.96580E-01	2.20740E-01	5.42980E-01
7.93720E+02	4.59990E-01	4.96570E-01	2.28420E-01	5.61870E-01
7.93820E+02	4.75300E-01	4.96570E-01	2.36020E-01	5.80560E-01
7.93920E+02	4.90410E-01	4.96560E-01	2.43520E-01	5.99020E-01
7.94020E+02	5.05320E-01	4.96570E-01	2.50930E-01	6.17250E-01
7.94120E+02	5.20050E-01	4.96640E-01	2.58280E-01	6.35330E-01
7.94220E+02	5.34600E-01	4.96710E-01	2.65540E-01	6.53200E-01
7.94320E+02	5.49000E-01	4.96780E-01	2.72730E-01	6.70870E-01
7.94420E+02	5.63230E-01	4.96850E-01	2.79840E-01	6.88370E-01
7.94520E+02	5.77310E-01	4.96910E-01	2.86870E-01	7.05660E-01
7.94620E+02	5.91190E-01	4.96980E-01	2.93810E-01	7.22720E-01
7.94720E+02	6.04810E-01	4.97050E-01	3.00620E-01	7.39480E-01
7.94820E+02	6.18120E-01	4.97110E-01	3.07280E-01	7.55850E-01
7.94920E+02	6.31010E-01	4.97180E-01	3.13730E-01	7.71720E-01
7.95020E+02	6.43390E-01	4.97250E-01	3.19920E-01	7.86970E-01
7.95120E+02	6.55170E-01	4.97310E-01	3.25820E-01	8.01470E-01
7.95220E+02	6.66280E-01	4.97360E-01	3.31380E-01	8.15150E-01
7.95320E+02	6.76650E-01	4.97420E-01	3.36580E-01	8.27940E-01
7.95420E+02	6.86280E-01	4.97480E-01	3.41410E-01	8.39810E-01
7.95520E+02	6.95170E-01	4.97540E-01	3.45870E-01	8.50800E-01
7.95620E+02	7.03380E-01	4.97590E-01	3.50000E-01	8.60950E-01
7.95720E+02	7.10990E-01	4.97650E-01	3.53820E-01	8.70360E-01
7.95820E+02	7.18080E-01	4.97710E-01	3.57400E-01	8.79140E-01
7.95920E+02	7.24770E-01	4.97770E-01	3.60760E-01	8.87420E-01

7.96020E+02	7.31130E-01	4.97810E-01	3.63960E-01	8.95300E-01
7.96120E+02	7.37260E-01	4.97790E-01	3.67000E-01	9.02770E-01
7.96220E+02	7.43210E-01	4.97770E-01	3.69940E-01	9.10000E-01
7.96320E+02	7.48980E-01	4.97750E-01	3.72800E-01	9.17040E-01
7.96420E+02	7.54580E-01	4.97720E-01	3.75570E-01	9.23860E-01
7.96520E+02	7.59970E-01	4.97700E-01	3.78240E-01	9.30410E-01
7.96620E+02	7.65090E-01	4.97680E-01	3.80770E-01	9.36640E-01
7.96720E+02	7.69880E-01	4.97660E-01	3.83140E-01	9.42480E-01
7.96820E+02	7.74290E-01	4.97650E-01	3.85330E-01	9.47840E-01
7.96920E+02	7.78270E-01	4.97640E-01	3.87300E-01	9.52690E-01
7.97020E+02	7.81810E-01	4.97620E-01	3.89040E-01	9.56990E-01
7.97120E+02	7.84910E-01	4.97600E-01	3.90570E-01	9.60750E-01
7.97220E+02	7.87620E-01	4.97580E-01	3.91900E-01	9.64020E-01
7.97320E+02	7.89990E-01	4.97560E-01	3.93060E-01	9.66870E-01
7.97420E+02	7.92090E-01	4.97530E-01	3.94090E-01	9.69410E-01
7.97520E+02	7.94020E-01	4.97510E-01	3.95040E-01	9.71730E-01
7.97620E+02	7.95860E-01	4.97490E-01	3.95930E-01	9.73930E-01
7.97720E+02	7.97650E-01	4.97470E-01	3.96810E-01	9.76090E-01
7.97820E+02	7.99460E-01	4.97450E-01	3.97690E-01	9.78250E-01
7.97920E+02	8.01290E-01	4.97420E-01	3.98580E-01	9.80450E-01
7.98020E+02	8.03140E-01	4.97410E-01	3.99490E-01	9.82690E-01
7.98120E+02	8.04970E-01	4.97480E-01	4.00460E-01	9.85060E-01
7.98220E+02	8.06750E-01	4.97540E-01	4.01390E-01	9.87360E-01
7.98320E+02	8.08410E-01	4.97600E-01	4.02270E-01	9.89520E-01
7.98420E+02	8.09900E-01	4.97670E-01	4.03060E-01	9.91470E-01
7.98520E+02	8.11200E-01	4.97730E-01	4.03760E-01	9.93180E-01
7.98620E+02	8.12260E-01	4.97790E-01	4.04340E-01	9.94610E-01
7.98720E+02	8.13090E-01	4.97860E-01	4.04800E-01	9.95750E-01
7.98820E+02	8.13700E-01	4.97920E-01	4.05160E-01	9.96620E-01
7.98920E+02	8.14120E-01	4.97980E-01	4.05420E-01	9.97260E-01
7.99020E+02	8.14400E-01	4.98040E-01	4.05610E-01	9.97730E-01
7.99120E+02	8.14580E-01	4.98100E-01	4.05750E-01	9.98070E-01
7.99220E+02	8.14710E-01	4.98170E-01	4.05860E-01	9.98360E-01
7.99320E+02	8.14820E-01	4.98230E-01	4.05970E-01	9.98620E-01
7.99420E+02	8.14940E-01	4.98290E-01	4.06080E-01	9.98890E-01
7.99520E+02	8.15070E-01	4.98350E-01	4.06190E-01	9.99170E-01
7.99620E+02	8.15200E-01	4.98410E-01	4.06310E-01	9.99460E-01
7.99720E+02	8.15310E-01	4.98470E-01	4.06410E-01	9.99720E-01
7.99820E+02	8.15370E-01	4.98540E-01	4.06490E-01	9.99910E-01
7.99920E+02	8.15340E-01	4.98600E-01	4.06530E-01	1.00000E+00
8.00020E+02	8.15190E-01	4.98660E-01	4.06500E-01	9.99930E-01
8.00120E+02	8.14880E-01	4.98710E-01	4.06380E-01	9.99650E-01
8.00220E+02	8.14400E-01	4.98750E-01	4.06180E-01	9.99150E-01

8.00320E+02	8.13750E-01	4.98800E-01	4.05900E-01	9.98440E-01
8.00420E+02	8.12920E-01	4.98840E-01	4.05520E-01	9.97520E-01
8.00520E+02	8.11930E-01	4.98890E-01	4.05070E-01	9.96400E-01
8.00620E+02	8.10810E-01	4.98940E-01	4.04540E-01	9.95120E-01
8.00720E+02	8.09560E-01	4.98990E-01	4.03960E-01	9.93690E-01
8.00820E+02	8.08230E-01	4.99040E-01	4.03340E-01	9.92160E-01
8.00920E+02	8.06830E-01	4.99090E-01	4.02680E-01	9.90530E-01
8.01020E+02	8.05380E-01	4.99140E-01	4.02000E-01	9.88850E-01
8.01120E+02	8.03890E-01	4.99190E-01	4.01290E-01	9.87120E-01
8.01220E+02	8.02370E-01	4.99240E-01	4.00570E-01	9.85350E-01
8.01320E+02	8.00840E-01	4.99290E-01	3.99850E-01	9.83570E-01
8.01420E+02	7.99280E-01	4.99340E-01	3.99110E-01	9.81760E-01
8.01520E+02	7.97720E-01	4.99390E-01	3.98370E-01	9.79940E-01
8.01620E+02	7.96160E-01	4.99440E-01	3.97630E-01	9.78110E-01
8.01720E+02	7.94600E-01	4.99490E-01	3.96890E-01	9.76290E-01
8.01820E+02	7.93050E-01	4.99540E-01	3.96160E-01	9.74490E-01
8.01920E+02	7.91530E-01	4.99590E-01	3.95440E-01	9.72720E-01
8.02020E+02	7.90040E-01	4.99640E-01	3.94730E-01	9.70990E-01
8.02120E+02	7.88600E-01	4.99680E-01	3.94050E-01	9.69290E-01
8.02220E+02	7.87210E-01	4.99720E-01	3.93380E-01	9.67660E-01
8.02320E+02	7.85870E-01	4.99760E-01	3.92750E-01	9.66100E-01
8.02420E+02	7.84590E-01	4.99800E-01	3.92140E-01	9.64600E-01
8.02520E+02	7.83350E-01	4.99820E-01	3.91530E-01	9.63110E-01
8.02620E+02	7.82160E-01	4.99830E-01	3.90950E-01	9.61680E-01
8.02720E+02	7.81010E-01	4.99850E-01	3.90380E-01	9.60280E-01
8.02820E+02	7.79890E-01	4.99860E-01	3.89830E-01	9.58930E-01
8.02920E+02	7.78800E-01	4.99870E-01	3.89300E-01	9.57620E-01
8.03020E+02	7.77750E-01	4.99890E-01	3.88790E-01	9.56360E-01
8.03120E+02	7.76760E-01	4.99890E-01	3.88290E-01	9.55140E-01
8.03220E+02	7.75820E-01	4.99900E-01	3.87830E-01	9.54000E-01
8.03320E+02	7.74960E-01	4.99900E-01	3.87410E-01	9.52960E-01
8.03420E+02	7.74210E-01	4.99910E-01	3.87030E-01	9.52050E-01
8.03520E+02	7.73570E-01	4.99910E-01	3.86720E-01	9.51270E-01
8.03620E+02	7.73070E-01	4.99920E-01	3.86470E-01	9.50670E-01
8.03720E+02	7.72710E-01	4.99930E-01	3.86300E-01	9.50240E-01
8.03820E+02	7.72500E-01	4.99930E-01	3.86200E-01	9.49990E-01
8.03920E+02	7.72420E-01	4.99940E-01	3.86170E-01	9.49910E-01
8.04020E+02	7.72470E-01	4.99940E-01	3.86190E-01	9.49970E-01
8.04120E+02	7.72620E-01	4.99900E-01	3.86230E-01	9.50070E-01
8.04220E+02	7.72810E-01	4.99860E-01	3.86300E-01	9.50240E-01
8.04320E+02	7.73020E-01	4.99830E-01	3.86380E-01	9.50430E-01
8.04420E+02	7.73180E-01	4.99780E-01	3.86420E-01	9.50540E-01
8.04520E+02	7.73250E-01	4.99730E-01	3.86420E-01	9.50530E-01

8.04620E+02	7.73150E-01	4.99680E-01	3.86330E-01	9.50310E-01
8.04720E+02	7.72840E-01	4.99630E-01	3.86130E-01	9.49830E-01
8.04820E+02	7.72240E-01	4.99580E-01	3.85800E-01	9.49000E-01
8.04920E+02	7.71300E-01	4.99530E-01	3.85290E-01	9.47750E-01
8.05020E+02	7.69970E-01	4.99480E-01	3.84590E-01	9.46020E-01
8.05120E+02	7.68190E-01	4.99430E-01	3.83660E-01	9.43740E-01
8.05220E+02	7.65930E-01	4.99380E-01	3.82490E-01	9.40860E-01
8.05320E+02	7.63130E-01	4.99330E-01	3.81050E-01	9.37330E-01
8.05420E+02	7.59760E-01	4.99280E-01	3.79330E-01	9.33100E-01
8.05520E+02	7.55790E-01	4.99230E-01	3.77310E-01	9.28130E-01
8.05620E+02	7.51180E-01	4.99180E-01	3.74970E-01	9.22380E-01
8.05720E+02	7.45920E-01	4.99130E-01	3.72310E-01	9.15820E-01
8.05820E+02	7.39970E-01	4.99080E-01	3.69300E-01	9.08430E-01
8.05920E+02	7.33310E-01	4.99030E-01	3.65940E-01	9.00160E-01
8.06020E+02	7.25920E-01	4.98970E-01	3.62210E-01	8.90980E-01
8.06120E+02	7.17770E-01	4.98860E-01	3.58070E-01	8.80790E-01
8.06220E+02	7.08840E-01	4.98750E-01	3.53540E-01	8.69650E-01
8.06320E+02	6.99130E-01	4.98640E-01	3.48620E-01	8.57540E-01
8.06420E+02	6.88610E-01	4.98540E-01	3.43300E-01	8.44460E-01
8.06520E+02	6.77280E-01	4.98430E-01	3.37580E-01	8.30390E-01
8.06620E+02	6.65140E-01	4.98330E-01	3.31460E-01	8.15330E-01
8.06720E+02	6.52200E-01	4.98220E-01	3.24940E-01	7.99300E-01
8.06820E+02	6.38490E-01	4.98110E-01	3.18040E-01	7.82330E-01
8.06920E+02	6.24040E-01	4.98010E-01	3.10780E-01	7.64460E-01
8.07020E+02	6.08880E-01	4.97910E-01	3.03170E-01	7.45750E-01
8.07120E+02	5.93100E-01	4.97810E-01	2.95250E-01	7.26260E-01
8.07220E+02	5.76740E-01	4.97710E-01	2.87050E-01	7.06090E-01
8.07320E+02	5.59880E-01	4.97610E-01	2.78600E-01	6.85310E-01
8.07420E+02	5.42590E-01	4.97510E-01	2.69940E-01	6.64020E-01
8.07520E+02	5.24970E-01	4.97410E-01	2.61130E-01	6.42330E-01
8.07620E+02	5.07090E-01	4.97310E-01	2.52180E-01	6.20330E-01
8.07720E+02	4.89030E-01	4.97210E-01	2.43150E-01	5.98110E-01
8.07820E+02	4.70860E-01	4.97110E-01	2.34070E-01	5.75780E-01
8.07920E+02	4.52670E-01	4.97010E-01	2.24980E-01	5.53420E-01
8.08020E+02	4.34510E-01	4.96930E-01	2.15920E-01	5.31130E-01
8.08120E+02	4.16450E-01	4.96910E-01	2.06940E-01	5.09040E-01
8.08220E+02	3.98570E-01	4.96890E-01	1.98040E-01	4.87160E-01
8.08320E+02	3.80910E-01	4.96860E-01	1.89260E-01	4.65550E-01
8.08420E+02	3.63530E-01	4.96840E-01	1.80620E-01	4.44290E-01
8.08520E+02	3.46490E-01	4.96810E-01	1.72140E-01	4.23440E-01
8.08620E+02	3.29840E-01	4.96780E-01	1.63860E-01	4.03060E-01
8.08720E+02	3.13610E-01	4.96750E-01	1.55790E-01	3.83220E-01
8.08820E+02	2.97860E-01	4.96730E-01	1.47960E-01	3.63950E-01

8.08920E+02	2.82610E-01	4.96700E-01	1.40370E-01	3.45290E-01
8.09020E+02	2.67870E-01	4.96680E-01	1.33050E-01	3.27270E-01
8.09120E+02	2.53670E-01	4.96650E-01	1.25990E-01	3.09910E-01
8.09220E+02	2.40000E-01	4.96630E-01	1.19190E-01	2.93200E-01
8.09320E+02	2.26870E-01	4.96610E-01	1.12670E-01	2.77150E-01
8.09420E+02	2.14280E-01	4.96590E-01	1.06410E-01	2.61740E-01
8.09520E+02	2.02200E-01	4.96570E-01	1.00400E-01	2.46980E-01
8.09620E+02	1.90630E-01	4.96550E-01	9.46590E-02	2.32850E-01
8.09720E+02	1.79580E-01	4.96530E-01	8.91680E-02	2.19340E-01
8.09820E+02	1.69040E-01	4.96510E-01	8.39300E-02	2.06450E-01
8.09920E+02	1.59010E-01	4.96490E-01	7.89490E-02	1.94200E-01
8.10020E+02	1.49510E-01	4.96480E-01	7.42280E-02	1.82590E-01
8.10120E+02	1.40540E-01	4.96480E-01	6.97740E-02	1.71630E-01
8.10220E+02	1.32100E-01	4.96480E-01	6.55870E-02	1.61330E-01
8.10320E+02	1.24210E-01	4.96480E-01	6.16680E-02	1.51690E-01
8.10420E+02	1.16860E-01	4.96480E-01	5.80160E-02	1.42710E-01
8.10520E+02	1.10020E-01	4.96480E-01	5.46230E-02	1.34360E-01
8.10620E+02	1.03680E-01	4.96470E-01	5.14750E-02	1.26620E-01
8.10720E+02	9.78000E-02	4.96470E-01	4.85550E-02	1.19440E-01
8.10820E+02	9.23300E-02	4.96470E-01	4.58390E-02	1.12760E-01
8.10920E+02	8.72190E-02	4.96470E-01	4.33020E-02	1.06520E-01
8.11020E+02	8.24150E-02	4.96470E-01	4.09170E-02	1.00650E-01
8.11120E+02	7.78670E-02	4.96480E-01	3.86590E-02	9.50970E-02
8.11220E+02	7.35330E-02	4.96480E-01	3.65080E-02	8.98040E-02
8.11320E+02	6.93810E-02	4.96490E-01	3.44470E-02	8.47350E-02
8.11420E+02	6.53940E-02	4.96500E-01	3.24680E-02	7.98660E-02
8.11520E+02	6.15680E-02	4.96500E-01	3.05680E-02	7.51940E-02
8.11620E+02	5.79090E-02	4.96510E-01	2.87520E-02	7.07260E-02
8.11720E+02	5.44330E-02	4.96510E-01	2.70270E-02	6.64820E-02
8.11820E+02	5.11620E-02	4.96520E-01	2.54030E-02	6.24880E-02
8.11920E+02	4.81150E-02	4.96520E-01	2.38900E-02	5.87660E-02
8.12020E+02	4.62480E-02	4.96530E-01	2.29640E-02	5.64870E-02
8.12120E+02	4.43050E-02	4.96550E-01	2.20000E-02	5.41160E-02
8.12220E+02	4.23720E-02	4.96560E-01	2.10400E-02	5.17560E-02
8.12320E+02	4.02350E-02	4.96580E-01	1.99800E-02	4.91480E-02
8.12420E+02	3.89340E-02	4.96590E-01	1.93340E-02	4.75590E-02
8.12520E+02	3.67660E-02	4.96600E-01	1.82580E-02	4.49120E-02
8.12620E+02	3.47280E-02	4.96620E-01	1.72470E-02	4.24240E-02
8.12720E+02	3.28210E-02	4.96630E-01	1.63000E-02	4.00950E-02
8.12820E+02	3.10410E-02	4.96650E-01	1.54160E-02	3.79220E-02
8.12920E+02	2.93840E-02	4.96660E-01	1.45940E-02	3.58990E-02
8.13020E+02	2.78450E-02	4.96680E-01	1.38300E-02	3.40190E-02
8.13120E+02	2.64130E-02	4.96700E-01	1.31190E-02	3.22710E-02

8.13220E+02	2.50770E-02	4.96710E-01	1.24560E-02	3.06410E-02
8.13320E+02	2.38270E-02	4.96730E-01	1.18360E-02	2.91140E-02
8.13420E+02	2.26490E-02	4.96750E-01	1.12510E-02	2.76760E-02
8.13520E+02	2.15310E-02	4.96770E-01	1.06960E-02	2.63110E-02
8.13620E+02	2.04650E-02	4.96790E-01	1.01670E-02	2.50090E-02
8.13720E+02	1.94420E-02	4.96810E-01	9.65870E-03	2.37590E-02
8.13820E+02	1.84570E-02	4.96830E-01	9.17010E-03	2.25570E-02
8.13920E+02	1.75110E-02	4.96840E-01	8.70040E-03	2.14020E-02
8.14020E+02	1.66050E-02	4.96860E-01	8.25020E-03	2.02940E-02
8.14120E+02	1.57420E-02	4.96840E-01	7.82140E-03	1.92390E-02
8.14220E+02	1.49290E-02	4.96820E-01	7.41690E-03	1.82440E-02
8.14320E+02	1.41690E-02	4.96810E-01	7.03930E-03	1.73160E-02
8.14420E+02	1.34680E-02	4.96790E-01	6.69060E-03	1.64580E-02
8.14520E+02	1.28270E-02	4.96780E-01	6.37200E-03	1.56740E-02
8.14620E+02	1.22460E-02	4.96760E-01	6.08330E-03	1.49640E-02
8.14720E+02	1.17220E-02	4.96740E-01	5.82280E-03	1.43230E-02
8.14820E+02	1.12490E-02	4.96730E-01	5.58750E-03	1.37450E-02
8.14920E+02	1.08180E-02	4.96710E-01	5.37350E-03	1.32180E-02
8.15020E+02	1.04210E-02	4.96700E-01	5.17600E-03	1.27320E-02
8.15120E+02	1.00460E-02	4.96690E-01	4.99000E-03	1.22750E-02
8.15220E+02	9.68590E-03	4.96680E-01	4.81080E-03	1.18340E-02
8.15320E+02	9.33130E-03	4.96670E-01	4.63450E-03	1.14000E-02
8.15420E+02	8.97730E-03	4.96660E-01	4.45860E-03	1.09680E-02
8.15520E+02	8.62140E-03	4.96650E-01	4.28180E-03	1.05330E-02
8.15620E+02	8.26410E-03	4.96630E-01	4.10430E-03	1.00960E-02
8.15720E+02	7.90870E-03	4.96620E-01	3.92770E-03	9.66140E-03
8.15820E+02	7.56030E-03	4.96610E-01	3.75450E-03	9.23560E-03
8.15920E+02	7.22540E-03	4.96600E-01	3.58810E-03	8.82630E-03
8.16020E+02	6.91070E-03	4.96590E-01	3.43180E-03	8.44170E-03
8.16120E+02	6.62250E-03	4.96600E-01	3.28880E-03	8.08990E-03
8.16220E+02	6.36560E-03	4.96620E-01	3.16120E-03	7.77620E-03
8.16320E+02	6.14230E-03	4.96630E-01	3.05040E-03	7.50360E-03
8.16420E+02	5.95270E-03	4.96640E-01	2.95630E-03	7.27210E-03
8.16520E+02	5.79390E-03	4.96650E-01	2.87760E-03	7.07840E-03
8.16620E+02	5.66090E-03	4.96670E-01	2.81160E-03	6.91610E-03
8.16720E+02	5.54670E-03	4.96680E-01	2.75490E-03	6.77680E-03
8.16820E+02	5.44330E-03	4.96690E-01	2.70360E-03	6.65050E-03
8.16920E+02	5.34230E-03	4.96700E-01	2.65350E-03	6.52730E-03
8.17020E+02	5.23630E-03	4.96710E-01	2.60100E-03	6.39800E-03
8.17120E+02	5.11930E-03	4.96730E-01	2.54290E-03	6.25520E-03
8.17220E+02	4.98740E-03	4.96740E-01	2.47740E-03	6.09410E-03
8.17320E+02	4.83890E-03	4.96750E-01	2.40380E-03	5.91290E-03
8.17420E+02	4.67480E-03	4.96770E-01	2.32230E-03	5.71250E-03

8.17520E+02	4.49820E-03	4.96780E-01	2.23460E-03	5.49690E-03
8.17620E+02	4.31380E-03	4.96790E-01	2.14310E-03	5.27170E-03
8.17720E+02	4.12740E-03	4.96810E-01	2.05050E-03	5.04400E-03
8.17820E+02	3.94500E-03	4.96820E-01	1.95990E-03	4.82120E-03
8.17920E+02	3.77210E-03	4.96830E-01	1.87410E-03	4.61000E-03
8.18020E+02	3.61280E-03	4.96820E-01	1.79490E-03	4.41520E-03
8.18120E+02	3.46640E-03	4.96740E-01	1.72190E-03	4.23560E-03
8.18220E+02	3.33020E-03	4.96650E-01	1.65400E-03	4.06850E-03
8.18320E+02	3.20270E-03	4.96570E-01	1.59040E-03	3.91200E-03
8.18420E+02	3.08000E-03	4.96490E-01	1.52920E-03	3.76150E-03
8.18520E+02	2.95680E-03	4.96400E-01	1.46780E-03	3.61050E-03
8.18620E+02	2.82800E-03	4.96320E-01	1.40360E-03	3.45260E-03
8.18720E+02	2.68890E-03	4.96240E-01	1.33430E-03	3.28230E-03
8.18820E+02	2.53710E-03	4.96150E-01	1.25880E-03	3.09650E-03
8.18920E+02	2.37260E-03	4.96070E-01	1.17700E-03	2.89510E-03
8.19020E+02	2.19800E-03	4.95980E-01	1.09020E-03	2.68170E-03
8.19120E+02	2.01910E-03	4.95900E-01	1.00130E-03	2.46290E-03
8.19220E+02	1.84350E-03	4.95810E-01	9.14040E-04	2.24840E-03
8.19320E+02	1.68060E-03	4.95730E-01	8.33100E-04	2.04930E-03
8.19420E+02	1.53950E-03	4.95650E-01	7.63070E-04	1.87700E-03
8.19520E+02	1.42890E-03	4.95560E-01	7.08120E-04	1.74190E-03
8.19620E+02	1.35510E-03	4.95480E-01	6.71440E-04	1.65160E-03
8.19720E+02	1.32180E-03	4.95400E-01	6.54820E-04	1.61080E-03
8.19820E+02	1.32930E-03	4.95310E-01	6.58400E-04	1.61960E-03
8.19920E+02	1.37400E-03	4.95240E-01	6.80480E-04	1.67390E-03
8.20020E+02	1.44910E-03	4.95190E-01	7.17550E-04	1.76510E-03
8.20120E+02	1.54480E-03	4.95170E-01	7.64930E-04	1.88160E-03
8.20220E+02	1.65270E-03	4.95160E-01	8.18370E-04	2.01310E-03
8.20320E+02	1.76420E-03	4.95150E-01	8.73560E-04	2.14880E-03
8.20420E+02	1.86820E-03	4.95140E-01	9.25030E-04	2.27540E-03
8.20520E+02	1.95650E-03	4.95130E-01	9.68710E-04	2.38290E-03
8.20620E+02	2.02420E-03	4.95110E-01	1.00220E-03	2.46530E-03
8.20720E+02	2.06960E-03	4.95100E-01	1.02470E-03	2.52060E-03
8.20820E+02	2.09400E-03	4.95090E-01	1.03670E-03	2.55020E-03
8.20920E+02	2.10040E-03	4.95080E-01	1.03990E-03	2.55800E-03
8.21020E+02	2.09340E-03	4.95070E-01	1.03640E-03	2.54940E-03
8.21120E+02	2.07780E-03	4.95060E-01	1.02860E-03	2.53020E-03
8.21220E+02	2.05760E-03	4.95050E-01	1.01860E-03	2.50560E-03
8.21320E+02	2.03560E-03	4.95040E-01	1.00770E-03	2.47880E-03
8.21420E+02	2.01280E-03	4.95030E-01	9.96400E-04	2.45100E-03
8.21520E+02	1.98830E-03	4.95020E-01	9.84230E-04	2.42110E-03
8.21620E+02	1.95910E-03	4.95010E-01	9.69780E-04	2.38550E-03
8.21720E+02	1.92130E-03	4.95000E-01	9.51040E-04	2.33940E-03

8.21820E+02	1.87030E-03	4.95000E-01	9.25810E-04	2.27740E-03
8.21920E+02	1.80230E-03	4.94990E-01	8.92140E-04	2.19450E-03
8.22020E+02	1.71650E-03	4.95000E-01	8.49690E-04	2.09010E-03
8.22120E+02	1.80370E-03	4.95020E-01	8.92880E-04	2.19630E-03
8.22220E+02	1.60900E-03	4.95050E-01	7.96520E-04	1.95930E-03
8.22320E+02	1.42370E-03	4.95070E-01	7.04840E-04	1.73380E-03
8.22420E+02	1.24450E-03	4.95090E-01	6.16150E-04	1.51560E-03
8.22520E+02	1.06330E-03	4.95120E-01	5.26440E-04	1.29500E-03
8.22620E+02	8.70730E-04	4.95140E-01	4.31130E-04	1.06050E-03
8.22720E+02	6.61340E-04	4.95160E-01	3.27470E-04	8.05520E-04
8.22820E+02	4.36900E-04	4.95180E-01	2.16340E-04	5.32180E-04
8.22920E+02	2.08630E-04	4.95210E-01	1.03310E-04	2.54140E-04
8.23020E+02	2.76110E-05	4.95230E-01	1.36740E-05	3.36350E-05
8.23120E+02	0.00000E+00	4.95250E-01	0.00000E+00	0.00000E+00
Channel 11				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.32700E+03	0.00000E+00	2.93930E-01	0.00000E+00	0.00000E+00
1.32710E+03	1.33140E-03	2.93980E-01	3.91400E-04	1.66440E-03
1.32720E+03	1.49220E-03	2.94030E-01	4.38730E-04	1.86570E-03
1.32730E+03	1.65370E-03	2.94070E-01	4.86320E-04	2.06810E-03
1.32740E+03	1.81220E-03	2.94110E-01	5.33000E-04	2.26660E-03
1.32750E+03	1.96390E-03	2.94160E-01	5.77690E-04	2.45660E-03
1.32760E+03	2.10550E-03	2.94200E-01	6.19440E-04	2.63420E-03
1.32770E+03	2.23410E-03	2.94250E-01	6.57390E-04	2.79550E-03
1.32780E+03	2.34760E-03	2.94290E-01	6.90870E-04	2.93790E-03
1.32790E+03	2.44410E-03	2.94330E-01	7.19370E-04	3.05910E-03
1.32800E+03	2.52250E-03	2.94380E-01	7.42570E-04	3.15780E-03
1.32810E+03	2.58230E-03	2.94390E-01	7.60200E-04	3.23280E-03
1.32820E+03	2.62360E-03	2.94410E-01	7.72400E-04	3.28460E-03
1.32830E+03	2.64700E-03	2.94420E-01	7.79320E-04	3.31410E-03
1.32840E+03	2.65360E-03	2.94430E-01	7.81310E-04	3.32250E-03
1.32850E+03	2.64500E-03	2.94450E-01	7.78820E-04	3.31190E-03
1.32860E+03	2.62320E-03	2.94460E-01	7.72430E-04	3.28480E-03
1.32870E+03	2.59020E-03	2.94470E-01	7.62750E-04	3.24360E-03
1.32880E+03	2.54850E-03	2.94490E-01	7.50510E-04	3.19150E-03
1.32890E+03	2.50050E-03	2.94500E-01	7.36400E-04	3.13160E-03
1.32900E+03	2.44870E-03	2.94510E-01	7.21160E-04	3.06680E-03
1.32910E+03	2.39520E-03	2.94520E-01	7.05450E-04	2.99990E-03
1.32920E+03	2.34240E-03	2.94530E-01	6.89910E-04	2.93380E-03
1.32930E+03	2.29210E-03	2.94540E-01	6.75090E-04	2.87080E-03

1.32940E+03	2.24590E-03	2.94540E-01	6.61510E-04	2.81310E-03
1.32950E+03	2.20510E-03	2.94550E-01	6.49510E-04	2.76210E-03
1.32960E+03	2.17070E-03	2.94550E-01	6.39400E-04	2.71910E-03
1.32970E+03	2.14330E-03	2.94560E-01	6.31340E-04	2.68480E-03
1.32980E+03	2.12320E-03	2.94570E-01	6.25440E-04	2.65970E-03
1.32990E+03	2.11040E-03	2.94570E-01	6.21660E-04	2.64360E-03
1.33000E+03	2.10460E-03	2.94580E-01	6.19970E-04	2.63640E-03
1.33010E+03	2.10530E-03	2.94550E-01	6.20120E-04	2.63710E-03
1.33020E+03	2.11200E-03	2.94520E-01	6.22030E-04	2.64520E-03
1.33030E+03	2.12390E-03	2.94500E-01	6.25480E-04	2.65980E-03
1.33040E+03	2.14040E-03	2.94470E-01	6.30280E-04	2.68030E-03
1.33050E+03	2.16080E-03	2.94440E-01	6.36220E-04	2.70550E-03
1.33060E+03	2.18460E-03	2.94410E-01	6.43170E-04	2.73510E-03
1.33070E+03	2.21140E-03	2.94380E-01	6.51000E-04	2.76840E-03
1.33080E+03	2.24100E-03	2.94360E-01	6.59660E-04	2.80520E-03
1.33090E+03	2.27350E-03	2.94330E-01	6.69150E-04	2.84550E-03
1.33100E+03	2.30910E-03	2.94290E-01	6.79550E-04	2.88980E-03
1.33110E+03	2.34820E-03	2.94240E-01	6.90950E-04	2.93830E-03
1.33120E+03	2.39170E-03	2.94190E-01	7.03620E-04	2.99220E-03
1.33130E+03	2.44020E-03	2.94140E-01	7.17770E-04	3.05230E-03
1.33140E+03	2.49480E-03	2.94090E-01	7.33710E-04	3.12010E-03
1.33150E+03	2.55650E-03	2.94040E-01	7.51700E-04	3.19660E-03
1.33160E+03	2.62610E-03	2.93990E-01	7.72050E-04	3.28320E-03
1.33170E+03	2.70470E-03	2.93940E-01	7.95010E-04	3.38080E-03
1.33180E+03	2.79300E-03	2.93880E-01	8.20820E-04	3.49050E-03
1.33190E+03	2.89150E-03	2.93830E-01	8.49630E-04	3.61310E-03
1.33200E+03	3.00070E-03	2.93780E-01	8.81560E-04	3.74890E-03
1.33210E+03	3.12060E-03	2.93740E-01	9.16650E-04	3.89800E-03
1.33220E+03	3.25110E-03	2.93690E-01	9.54810E-04	4.06030E-03
1.33230E+03	3.39140E-03	2.93650E-01	9.95880E-04	4.23500E-03
1.33240E+03	3.54100E-03	2.93600E-01	1.03960E-03	4.42110E-03
1.33250E+03	3.69870E-03	2.93550E-01	1.08580E-03	4.61730E-03
1.33260E+03	3.86340E-03	2.93510E-01	1.13390E-03	4.82210E-03
1.33270E+03	4.03340E-03	2.93460E-01	1.18370E-03	5.03350E-03
1.33280E+03	4.20750E-03	2.93420E-01	1.23460E-03	5.25000E-03
1.33290E+03	4.38400E-03	2.93370E-01	1.28610E-03	5.46930E-03
1.33300E+03	4.56150E-03	2.93310E-01	1.33790E-03	5.68950E-03
1.33310E+03	4.73870E-03	2.93240E-01	1.38960E-03	5.90930E-03
1.33320E+03	4.91460E-03	2.93180E-01	1.44090E-03	6.12730E-03
1.33330E+03	5.08840E-03	2.93110E-01	1.49150E-03	6.34250E-03
1.33340E+03	5.25970E-03	2.93050E-01	1.54130E-03	6.55460E-03
1.33350E+03	5.42840E-03	2.92980E-01	1.59040E-03	6.76330E-03
1.33360E+03	5.59490E-03	2.92920E-01	1.63880E-03	6.96920E-03

1.33370E+03	5.75990E-03	2.92850E-01	1.68680E-03	7.17310E-03
1.33380E+03	5.92440E-03	2.92790E-01	1.73460E-03	7.37640E-03
1.33390E+03	6.09000E-03	2.92720E-01	1.78270E-03	7.58090E-03
1.33400E+03	6.25840E-03	2.92650E-01	1.83150E-03	7.78860E-03
1.33410E+03	6.43120E-03	2.92540E-01	1.88140E-03	8.00060E-03
1.33420E+03	6.61070E-03	2.92430E-01	1.93310E-03	8.22070E-03
1.33430E+03	6.79860E-03	2.92310E-01	1.98730E-03	8.45110E-03
1.33440E+03	6.99690E-03	2.92200E-01	2.04450E-03	8.69430E-03
1.33450E+03	7.20730E-03	2.92090E-01	2.10520E-03	8.95230E-03
1.33460E+03	7.43120E-03	2.91980E-01	2.16980E-03	9.22690E-03
1.33470E+03	7.66980E-03	2.91870E-01	2.23860E-03	9.51950E-03
1.33480E+03	7.92390E-03	2.91750E-01	2.31180E-03	9.83110E-03
1.33490E+03	8.19380E-03	2.91650E-01	2.38970E-03	1.01620E-02
1.33500E+03	8.47950E-03	2.91540E-01	2.47210E-03	1.05130E-02
1.33510E+03	8.78060E-03	2.91440E-01	2.55900E-03	1.08820E-02
1.33520E+03	9.09630E-03	2.91330E-01	2.65010E-03	1.12690E-02
1.33530E+03	9.42550E-03	2.91230E-01	2.74500E-03	1.16730E-02
1.33540E+03	9.76710E-03	2.91130E-01	2.84350E-03	1.20920E-02
1.33550E+03	1.01200E-02	2.91020E-01	2.94500E-03	1.25240E-02
1.33560E+03	1.04820E-02	2.90920E-01	3.04930E-03	1.29670E-02
1.33570E+03	1.08520E-02	2.90820E-01	3.15600E-03	1.34210E-02
1.33580E+03	1.12300E-02	2.90710E-01	3.26460E-03	1.38830E-02
1.33590E+03	1.16140E-02	2.90610E-01	3.37510E-03	1.43530E-02
1.33600E+03	1.20040E-02	2.90500E-01	3.48720E-03	1.48290E-02
1.33610E+03	1.24000E-02	2.90390E-01	3.60090E-03	1.53130E-02
1.33620E+03	1.28030E-02	2.90280E-01	3.71640E-03	1.58040E-02
1.33630E+03	1.32130E-02	2.90160E-01	3.83400E-03	1.63040E-02
1.33640E+03	1.36330E-02	2.90040E-01	3.95410E-03	1.68150E-02
1.33650E+03	1.40630E-02	2.89930E-01	4.07730E-03	1.73390E-02
1.33660E+03	1.45070E-02	2.89810E-01	4.20430E-03	1.78790E-02
1.33670E+03	1.49660E-02	2.89700E-01	4.33570E-03	1.84380E-02
1.33680E+03	1.54450E-02	2.89590E-01	4.47270E-03	1.90200E-02
1.33690E+03	1.59450E-02	2.89500E-01	4.61610E-03	1.96300E-02
1.33700E+03	1.64700E-02	2.89410E-01	4.76640E-03	2.02690E-02
1.33710E+03	1.70220E-02	2.89320E-01	4.92470E-03	2.09420E-02
1.33720E+03	1.76040E-02	2.89220E-01	5.09160E-03	2.16520E-02
1.33730E+03	1.82190E-02	2.89130E-01	5.26770E-03	2.24010E-02
1.33740E+03	1.88680E-02	2.89040E-01	5.45360E-03	2.31910E-02
1.33750E+03	1.95530E-02	2.88950E-01	5.64980E-03	2.40260E-02
1.33760E+03	2.02740E-02	2.88860E-01	5.85640E-03	2.49040E-02
1.33770E+03	2.10330E-02	2.88770E-01	6.07380E-03	2.58290E-02
1.33780E+03	2.18300E-02	2.88680E-01	6.30190E-03	2.67990E-02
1.33790E+03	2.26650E-02	2.88590E-01	6.54080E-03	2.78150E-02

1.33800E+03	2.35370E-02	2.88500E-01	6.79030E-03	2.88760E-02
1.33810E+03	2.44460E-02	2.88440E-01	7.05110E-03	2.99850E-02
1.33820E+03	2.53920E-02	2.88380E-01	7.32250E-03	3.11390E-02
1.33830E+03	2.63740E-02	2.88330E-01	7.60440E-03	3.23380E-02
1.33840E+03	2.73930E-02	2.88270E-01	7.89670E-03	3.35810E-02
1.33850E+03	2.84500E-02	2.88210E-01	8.19970E-03	3.48690E-02
1.33860E+03	2.95450E-02	2.88160E-01	8.51370E-03	3.62050E-02
1.33870E+03	3.06810E-02	2.88110E-01	8.83930E-03	3.75890E-02
1.33880E+03	3.18590E-02	2.88070E-01	9.17750E-03	3.90270E-02
1.33890E+03	3.30820E-02	2.88030E-01	9.52880E-03	4.05210E-02
1.33900E+03	3.43560E-02	2.87990E-01	9.89430E-03	4.20760E-02
1.33910E+03	3.56840E-02	2.87950E-01	1.02750E-02	4.36960E-02
1.33920E+03	3.70710E-02	2.87910E-01	1.06730E-02	4.53880E-02
1.33930E+03	3.85240E-02	2.87870E-01	1.10900E-02	4.71600E-02
1.33940E+03	4.00480E-02	2.87830E-01	1.15270E-02	4.90190E-02
1.33950E+03	4.16490E-02	2.87790E-01	1.19860E-02	5.09720E-02
1.33960E+03	4.33340E-02	2.87750E-01	1.24700E-02	5.30270E-02
1.33970E+03	4.51100E-02	2.87710E-01	1.29790E-02	5.51920E-02
1.33980E+03	4.69810E-02	2.87670E-01	1.35150E-02	5.74740E-02
1.33990E+03	4.89560E-02	2.87630E-01	1.40810E-02	5.98810E-02
1.34000E+03	5.10370E-02	2.87590E-01	1.46780E-02	6.24180E-02
1.34010E+03	5.32310E-02	2.87530E-01	1.53060E-02	6.50880E-02
1.34020E+03	5.55420E-02	2.87470E-01	1.59670E-02	6.78990E-02
1.34030E+03	5.79730E-02	2.87410E-01	1.66620E-02	7.08550E-02
1.34040E+03	6.05270E-02	2.87350E-01	1.73920E-02	7.39620E-02
1.34050E+03	6.32070E-02	2.87290E-01	1.81590E-02	7.72200E-02
1.34060E+03	6.60160E-02	2.87230E-01	1.89620E-02	8.06350E-02
1.34070E+03	6.89550E-02	2.87190E-01	1.98030E-02	8.42120E-02
1.34080E+03	7.20270E-02	2.87140E-01	2.06820E-02	8.79510E-02
1.34090E+03	7.52350E-02	2.87100E-01	2.16000E-02	9.18540E-02
1.34100E+03	7.85800E-02	2.87060E-01	2.25570E-02	9.59240E-02
1.34110E+03	8.20660E-02	2.87020E-01	2.35540E-02	1.00170E-01
1.34120E+03	8.56980E-02	2.86980E-01	2.45930E-02	1.04580E-01
1.34130E+03	8.94790E-02	2.86930E-01	2.56750E-02	1.09180E-01
1.34140E+03	9.34160E-02	2.86890E-01	2.68000E-02	1.13970E-01
1.34150E+03	9.75160E-02	2.86850E-01	2.79720E-02	1.18950E-01
1.34160E+03	1.01780E-01	2.86810E-01	2.91930E-02	1.24140E-01
1.34170E+03	1.06230E-01	2.86770E-01	3.04640E-02	1.29550E-01
1.34180E+03	1.10870E-01	2.86720E-01	3.17890E-02	1.35180E-01
1.34190E+03	1.15700E-01	2.86680E-01	3.31700E-02	1.41060E-01
1.34200E+03	1.20750E-01	2.86640E-01	3.46110E-02	1.47180E-01
1.34210E+03	1.26010E-01	2.86580E-01	3.61120E-02	1.53570E-01
1.34220E+03	1.31500E-01	2.86530E-01	3.76800E-02	1.60230E-01

1.34230E+03	1.37240E-01	2.86470E-01	3.93150E-02	1.67190E-01
1.34240E+03	1.43220E-01	2.86420E-01	4.10220E-02	1.74450E-01
1.34250E+03	1.49470E-01	2.86360E-01	4.28020E-02	1.82020E-01
1.34260E+03	1.55980E-01	2.86320E-01	4.46610E-02	1.89920E-01
1.34270E+03	1.62770E-01	2.86280E-01	4.65990E-02	1.98160E-01
1.34280E+03	1.69840E-01	2.86250E-01	4.86160E-02	2.06740E-01
1.34290E+03	1.77190E-01	2.86210E-01	5.07140E-02	2.15660E-01
1.34300E+03	1.84830E-01	2.86180E-01	5.28930E-02	2.24930E-01
1.34310E+03	1.92740E-01	2.86150E-01	5.51530E-02	2.34540E-01
1.34320E+03	2.00950E-01	2.86110E-01	5.74940E-02	2.44490E-01
1.34330E+03	2.09430E-01	2.86080E-01	5.99130E-02	2.54780E-01
1.34340E+03	2.18180E-01	2.86050E-01	6.24100E-02	2.65400E-01
1.34350E+03	2.27200E-01	2.86020E-01	6.49830E-02	2.76340E-01
1.34360E+03	2.36480E-01	2.85980E-01	6.76300E-02	2.87600E-01
1.34370E+03	2.46010E-01	2.85950E-01	7.03480E-02	2.99150E-01
1.34380E+03	2.55790E-01	2.85920E-01	7.31350E-02	3.11010E-01
1.34390E+03	2.65800E-01	2.85880E-01	7.59880E-02	3.23140E-01
1.34400E+03	2.76040E-01	2.85850E-01	7.89050E-02	3.35540E-01
1.34410E+03	2.86490E-01	2.85790E-01	8.18740E-02	3.48170E-01
1.34420E+03	2.97140E-01	2.85730E-01	8.49010E-02	3.61040E-01
1.34430E+03	3.08000E-01	2.85660E-01	8.79840E-02	3.74150E-01
1.34440E+03	3.19040E-01	2.85600E-01	9.11190E-02	3.87480E-01
1.34450E+03	3.30270E-01	2.85540E-01	9.43050E-02	4.01030E-01
1.34460E+03	3.41670E-01	2.85480E-01	9.75390E-02	4.14790E-01
1.34470E+03	3.53240E-01	2.85410E-01	1.00820E-01	4.28740E-01
1.34480E+03	3.64970E-01	2.85350E-01	1.04140E-01	4.42880E-01
1.34490E+03	3.76850E-01	2.85290E-01	1.07510E-01	4.57190E-01
1.34500E+03	3.88870E-01	2.85230E-01	1.10920E-01	4.71670E-01
1.34510E+03	4.01030E-01	2.85160E-01	1.14360E-01	4.86310E-01
1.34520E+03	4.13300E-01	2.85100E-01	1.17830E-01	5.01090E-01
1.34530E+03	4.25690E-01	2.85040E-01	1.21340E-01	5.16000E-01
1.34540E+03	4.38180E-01	2.84980E-01	1.24870E-01	5.31010E-01
1.34550E+03	4.50750E-01	2.84910E-01	1.28420E-01	5.46130E-01
1.34560E+03	4.63380E-01	2.84850E-01	1.32000E-01	5.61310E-01
1.34570E+03	4.76070E-01	2.84790E-01	1.35580E-01	5.76550E-01
1.34580E+03	4.88780E-01	2.84730E-01	1.39170E-01	5.91810E-01
1.34590E+03	5.01490E-01	2.84660E-01	1.42760E-01	6.07070E-01
1.34600E+03	5.14190E-01	2.84600E-01	1.46340E-01	6.22310E-01
1.34610E+03	5.26850E-01	2.84560E-01	1.49920E-01	6.37530E-01
1.34620E+03	5.39440E-01	2.84510E-01	1.53480E-01	6.52660E-01
1.34630E+03	5.51940E-01	2.84470E-01	1.57010E-01	6.67670E-01
1.34640E+03	5.64320E-01	2.84420E-01	1.60500E-01	6.82540E-01
1.34650E+03	5.76560E-01	2.84360E-01	1.63950E-01	6.97190E-01

1.34660E+03	5.88630E-01	2.84300E-01	1.67340E-01	7.11640E-01
1.34670E+03	6.00510E-01	2.84230E-01	1.70690E-01	7.25840E-01
1.34680E+03	6.12190E-01	2.84170E-01	1.73970E-01	7.39790E-01
1.34690E+03	6.23630E-01	2.84110E-01	1.77180E-01	7.53450E-01
1.34700E+03	6.34820E-01	2.84050E-01	1.80320E-01	7.66810E-01
1.34710E+03	6.45760E-01	2.83980E-01	1.83380E-01	7.79840E-01
1.34720E+03	6.56410E-01	2.83920E-01	1.86370E-01	7.92530E-01
1.34730E+03	6.66780E-01	2.83850E-01	1.89270E-01	8.04870E-01
1.34740E+03	6.76860E-01	2.83790E-01	1.92090E-01	8.16850E-01
1.34750E+03	6.86630E-01	2.83730E-01	1.94820E-01	8.28450E-01
1.34760E+03	6.96090E-01	2.83660E-01	1.97460E-01	8.39690E-01
1.34770E+03	7.05250E-01	2.83600E-01	2.00010E-01	8.50550E-01
1.34780E+03	7.14100E-01	2.83540E-01	2.02470E-01	8.61020E-01
1.34790E+03	7.22640E-01	2.83470E-01	2.04850E-01	8.71120E-01
1.34800E+03	7.30860E-01	2.83410E-01	2.07130E-01	8.80840E-01
1.34810E+03	7.38780E-01	2.83360E-01	2.09340E-01	8.90220E-01
1.34820E+03	7.46380E-01	2.83310E-01	2.11460E-01	8.99230E-01
1.34830E+03	7.53680E-01	2.83260E-01	2.13490E-01	9.07860E-01
1.34840E+03	7.60660E-01	2.83200E-01	2.15420E-01	9.16060E-01
1.34850E+03	7.67330E-01	2.83130E-01	2.17250E-01	9.23870E-01
1.34860E+03	7.73690E-01	2.83060E-01	2.19000E-01	9.31290E-01
1.34870E+03	7.79740E-01	2.82990E-01	2.20650E-01	9.38340E-01
1.34880E+03	7.85470E-01	2.82920E-01	2.22220E-01	9.44990E-01
1.34890E+03	7.90870E-01	2.82840E-01	2.23690E-01	9.51260E-01
1.34900E+03	7.95960E-01	2.82770E-01	2.25080E-01	9.57140E-01
1.34910E+03	8.00710E-01	2.82700E-01	2.26360E-01	9.62620E-01
1.34920E+03	8.05140E-01	2.82630E-01	2.27560E-01	9.67700E-01
1.34930E+03	8.09250E-01	2.82560E-01	2.28660E-01	9.72390E-01
1.34940E+03	8.13020E-01	2.82490E-01	2.29670E-01	9.76680E-01
1.34950E+03	8.16460E-01	2.82420E-01	2.30590E-01	9.80570E-01
1.34960E+03	8.19580E-01	2.82350E-01	2.31410E-01	9.84070E-01
1.34970E+03	8.22380E-01	2.82280E-01	2.32140E-01	9.87180E-01
1.34980E+03	8.24870E-01	2.82210E-01	2.32780E-01	9.89920E-01
1.34990E+03	8.27050E-01	2.82140E-01	2.33340E-01	9.92290E-01
1.35000E+03	8.28940E-01	2.82070E-01	2.33820E-01	9.94300E-01
1.35010E+03	8.30550E-01	2.82000E-01	2.34210E-01	9.96000E-01
1.35020E+03	8.31890E-01	2.81930E-01	2.34540E-01	9.97380E-01
1.35030E+03	8.32990E-01	2.81860E-01	2.34790E-01	9.98430E-01
1.35040E+03	8.33860E-01	2.81780E-01	2.34960E-01	9.99180E-01
1.35050E+03	8.34510E-01	2.81700E-01	2.35080E-01	9.99680E-01
1.35060E+03	8.34980E-01	2.81620E-01	2.35140E-01	9.99940E-01
1.35070E+03	8.35270E-01	2.81530E-01	2.35160E-01	1.00000E+00
1.35080E+03	8.35400E-01	2.81450E-01	2.35130E-01	9.99870E-01

1.35090E+03	8.35400E-01	2.81370E-01	2.35060E-01	9.99580E-01
1.35100E+03	8.35280E-01	2.81290E-01	2.34960E-01	9.99150E-01
1.35110E+03	8.35060E-01	2.81210E-01	2.34830E-01	9.98600E-01
1.35120E+03	8.34740E-01	2.81130E-01	2.34670E-01	9.97940E-01
1.35130E+03	8.34350E-01	2.81050E-01	2.34490E-01	9.97190E-01
1.35140E+03	8.33890E-01	2.80970E-01	2.34300E-01	9.96350E-01
1.35150E+03	8.33370E-01	2.80890E-01	2.34080E-01	9.95440E-01
1.35160E+03	8.32790E-01	2.80810E-01	2.33850E-01	9.94470E-01
1.35170E+03	8.32160E-01	2.80730E-01	2.33610E-01	9.93440E-01
1.35180E+03	8.31480E-01	2.80650E-01	2.33350E-01	9.92340E-01
1.35190E+03	8.30750E-01	2.80570E-01	2.33080E-01	9.91190E-01
1.35200E+03	8.29980E-01	2.80490E-01	2.32800E-01	9.89980E-01
1.35210E+03	8.29150E-01	2.80400E-01	2.32500E-01	9.88690E-01
1.35220E+03	8.28270E-01	2.80310E-01	2.32170E-01	9.87320E-01
1.35230E+03	8.27330E-01	2.80200E-01	2.31820E-01	9.85810E-01
1.35240E+03	8.26340E-01	2.80090E-01	2.31450E-01	9.84240E-01
1.35250E+03	8.25300E-01	2.79970E-01	2.31060E-01	9.82590E-01
1.35260E+03	8.24200E-01	2.79860E-01	2.30660E-01	9.80890E-01
1.35270E+03	8.23050E-01	2.79750E-01	2.30250E-01	9.79120E-01
1.35280E+03	8.21840E-01	2.79630E-01	2.29820E-01	9.77290E-01
1.35290E+03	8.20590E-01	2.79520E-01	2.29370E-01	9.75410E-01
1.35300E+03	8.19300E-01	2.79410E-01	2.28920E-01	9.73480E-01
1.35310E+03	8.17970E-01	2.79290E-01	2.28450E-01	9.71500E-01
1.35320E+03	8.16620E-01	2.79180E-01	2.27980E-01	9.69500E-01
1.35330E+03	8.15240E-01	2.79070E-01	2.27510E-01	9.67470E-01
1.35340E+03	8.13860E-01	2.78950E-01	2.27030E-01	9.65430E-01
1.35350E+03	8.12480E-01	2.78840E-01	2.26550E-01	9.63400E-01
1.35360E+03	8.11100E-01	2.78720E-01	2.26070E-01	9.61370E-01
1.35370E+03	8.09740E-01	2.78610E-01	2.25600E-01	9.59370E-01
1.35380E+03	8.08410E-01	2.78490E-01	2.25140E-01	9.57390E-01
1.35390E+03	8.07110E-01	2.78380E-01	2.24680E-01	9.55450E-01
1.35400E+03	8.05840E-01	2.78260E-01	2.24240E-01	9.53560E-01
1.35410E+03	8.04620E-01	2.78170E-01	2.23820E-01	9.51810E-01
1.35420E+03	8.03440E-01	2.78070E-01	2.23410E-01	9.50050E-01
1.35430E+03	8.02310E-01	2.77950E-01	2.23010E-01	9.48330E-01
1.35440E+03	8.01220E-01	2.77840E-01	2.22610E-01	9.46670E-01
1.35450E+03	8.00180E-01	2.77730E-01	2.22240E-01	9.45060E-01
1.35460E+03	7.99180E-01	2.77620E-01	2.21870E-01	9.43500E-01
1.35470E+03	7.98220E-01	2.77510E-01	2.21510E-01	9.41980E-01
1.35480E+03	7.97290E-01	2.77400E-01	2.21160E-01	9.40500E-01
1.35490E+03	7.96380E-01	2.77280E-01	2.20820E-01	9.39050E-01
1.35500E+03	7.95490E-01	2.77170E-01	2.20490E-01	9.37630E-01
1.35510E+03	7.94620E-01	2.77060E-01	2.20160E-01	9.36220E-01

1.35520E+03	7.93750E-01	2.76950E-01	2.19830E-01	9.34820E-01
1.35530E+03	7.92890E-01	2.76840E-01	2.19500E-01	9.33430E-01
1.35540E+03	7.92020E-01	2.76720E-01	2.19170E-01	9.32030E-01
1.35550E+03	7.91150E-01	2.76610E-01	2.18840E-01	9.30630E-01
1.35560E+03	7.90270E-01	2.76500E-01	2.18510E-01	9.29220E-01
1.35570E+03	7.89390E-01	2.76390E-01	2.18180E-01	9.27800E-01
1.35580E+03	7.88490E-01	2.76280E-01	2.17840E-01	9.26370E-01
1.35590E+03	7.87590E-01	2.76160E-01	2.17500E-01	9.24930E-01
1.35600E+03	7.86680E-01	2.76050E-01	2.17160E-01	9.23490E-01
1.35610E+03	7.85770E-01	2.75930E-01	2.16820E-01	9.22010E-01
1.35620E+03	7.84870E-01	2.75800E-01	2.16470E-01	9.20530E-01
1.35630E+03	7.83970E-01	2.75670E-01	2.16120E-01	9.19050E-01
1.35640E+03	7.83100E-01	2.75550E-01	2.15780E-01	9.17610E-01
1.35650E+03	7.82240E-01	2.75420E-01	2.15450E-01	9.16180E-01
1.35660E+03	7.81420E-01	2.75290E-01	2.15120E-01	9.14800E-01
1.35670E+03	7.80630E-01	2.75170E-01	2.14800E-01	9.13450E-01
1.35680E+03	7.79880E-01	2.75040E-01	2.14500E-01	9.12150E-01
1.35690E+03	7.79180E-01	2.74910E-01	2.14210E-01	9.10910E-01
1.35700E+03	7.78520E-01	2.74790E-01	2.13930E-01	9.09730E-01
1.35710E+03	7.77920E-01	2.74660E-01	2.13660E-01	9.08610E-01
1.35720E+03	7.77370E-01	2.74540E-01	2.13420E-01	9.07550E-01
1.35730E+03	7.76870E-01	2.74410E-01	2.13180E-01	9.06560E-01
1.35740E+03	7.76430E-01	2.74290E-01	2.12960E-01	9.05620E-01
1.35750E+03	7.76030E-01	2.74160E-01	2.12760E-01	9.04750E-01
1.35760E+03	7.75690E-01	2.74040E-01	2.12570E-01	9.03940E-01
1.35770E+03	7.75390E-01	2.73910E-01	2.12390E-01	9.03180E-01
1.35780E+03	7.75130E-01	2.73790E-01	2.12220E-01	9.02460E-01
1.35790E+03	7.74900E-01	2.73660E-01	2.12060E-01	9.01790E-01
1.35800E+03	7.74710E-01	2.73550E-01	2.11920E-01	9.01190E-01
1.35810E+03	7.74550E-01	2.73500E-01	2.11840E-01	9.00850E-01
1.35820E+03	7.74410E-01	2.73450E-01	2.11760E-01	9.00530E-01
1.35830E+03	7.74290E-01	2.73400E-01	2.11700E-01	9.00240E-01
1.35840E+03	7.74190E-01	2.73360E-01	2.11630E-01	8.99960E-01
1.35850E+03	7.74110E-01	2.73310E-01	2.11570E-01	8.99710E-01
1.35860E+03	7.74040E-01	2.73260E-01	2.11520E-01	8.99480E-01
1.35870E+03	7.73990E-01	2.73220E-01	2.11470E-01	8.99260E-01
1.35880E+03	7.73950E-01	2.73170E-01	2.11420E-01	8.99060E-01
1.35890E+03	7.73930E-01	2.73120E-01	2.11380E-01	8.98870E-01
1.35900E+03	7.73920E-01	2.73070E-01	2.11340E-01	8.98710E-01
1.35910E+03	7.73930E-01	2.73030E-01	2.11310E-01	8.98580E-01
1.35920E+03	7.73970E-01	2.72980E-01	2.11280E-01	8.98470E-01
1.35930E+03	7.74030E-01	2.72940E-01	2.11260E-01	8.98390E-01
1.35940E+03	7.74130E-01	2.72890E-01	2.11250E-01	8.98350E-01

1.35950E+03	7.74250E-01	2.72840E-01	2.11250E-01	8.98340E-01
1.35960E+03	7.74410E-01	2.72800E-01	2.11260E-01	8.98380E-01
1.35970E+03	7.74600E-01	2.72750E-01	2.11280E-01	8.98450E-01
1.35980E+03	7.74830E-01	2.72710E-01	2.11300E-01	8.98570E-01
1.35990E+03	7.75100E-01	2.72660E-01	2.11340E-01	8.98730E-01
1.36000E+03	7.75400E-01	2.72650E-01	2.11420E-01	8.99050E-01
1.36010E+03	7.75740E-01	2.72600E-01	2.11470E-01	8.99260E-01
1.36020E+03	7.76110E-01	2.72540E-01	2.11520E-01	8.99500E-01
1.36030E+03	7.76500E-01	2.72480E-01	2.11580E-01	8.99770E-01
1.36040E+03	7.76920E-01	2.72430E-01	2.11650E-01	9.00060E-01
1.36050E+03	7.77360E-01	2.72370E-01	2.11730E-01	9.00370E-01
1.36060E+03	7.77800E-01	2.72310E-01	2.11800E-01	9.00700E-01
1.36070E+03	7.78250E-01	2.72250E-01	2.11880E-01	9.01030E-01
1.36080E+03	7.78700E-01	2.72200E-01	2.11960E-01	9.01360E-01
1.36090E+03	7.79140E-01	2.72140E-01	2.12030E-01	9.01680E-01
1.36100E+03	7.79560E-01	2.72080E-01	2.12110E-01	9.01980E-01
1.36110E+03	7.79960E-01	2.72030E-01	2.12170E-01	9.02260E-01
1.36120E+03	7.80340E-01	2.71970E-01	2.12230E-01	9.02500E-01
1.36130E+03	7.80680E-01	2.71910E-01	2.12280E-01	9.02710E-01
1.36140E+03	7.80990E-01	2.71860E-01	2.12320E-01	9.02880E-01
1.36150E+03	7.81250E-01	2.71800E-01	2.12340E-01	9.03000E-01
1.36160E+03	7.81480E-01	2.71740E-01	2.12360E-01	9.03070E-01
1.36170E+03	7.81670E-01	2.71690E-01	2.12370E-01	9.03100E-01
1.36180E+03	7.81810E-01	2.71630E-01	2.12360E-01	9.03080E-01
1.36190E+03	7.81920E-01	2.71600E-01	2.12370E-01	9.03110E-01
1.36200E+03	7.81990E-01	2.71580E-01	2.12370E-01	9.03120E-01
1.36210E+03	7.82020E-01	2.71610E-01	2.12410E-01	9.03260E-01
1.36220E+03	7.82020E-01	2.71650E-01	2.12430E-01	9.03380E-01
1.36230E+03	7.82000E-01	2.71680E-01	2.12450E-01	9.03460E-01
1.36240E+03	7.81940E-01	2.71720E-01	2.12470E-01	9.03520E-01
1.36250E+03	7.81870E-01	2.71750E-01	2.12480E-01	9.03560E-01
1.36260E+03	7.81780E-01	2.71790E-01	2.12480E-01	9.03570E-01
1.36270E+03	7.81680E-01	2.71820E-01	2.12480E-01	9.03570E-01
1.36280E+03	7.81560E-01	2.71860E-01	2.12470E-01	9.03550E-01
1.36290E+03	7.81430E-01	2.71890E-01	2.12470E-01	9.03520E-01
1.36300E+03	7.81290E-01	2.71930E-01	2.12460E-01	9.03470E-01
1.36310E+03	7.81140E-01	2.71960E-01	2.12440E-01	9.03410E-01
1.36320E+03	7.80970E-01	2.72000E-01	2.12420E-01	9.03330E-01
1.36330E+03	7.80790E-01	2.72030E-01	2.12400E-01	9.03230E-01
1.36340E+03	7.80590E-01	2.72060E-01	2.12370E-01	9.03110E-01
1.36350E+03	7.80360E-01	2.72100E-01	2.12340E-01	9.02960E-01
1.36360E+03	7.80110E-01	2.72130E-01	2.12290E-01	9.02780E-01
1.36370E+03	7.79820E-01	2.72170E-01	2.12240E-01	9.02560E-01

1.36380E+03	7.79500E-01	2.72210E-01	2.12190E-01	9.02330E-01
1.36390E+03	7.79130E-01	2.72270E-01	2.12130E-01	9.02090E-01
1.36400E+03	7.78720E-01	2.72320E-01	2.12060E-01	9.01800E-01
1.36410E+03	7.78250E-01	2.72310E-01	2.11930E-01	9.01230E-01
1.36420E+03	7.77730E-01	2.72310E-01	2.11780E-01	9.00600E-01
1.36430E+03	7.77150E-01	2.72300E-01	2.11620E-01	8.99900E-01
1.36440E+03	7.76510E-01	2.72290E-01	2.11440E-01	8.99130E-01
1.36450E+03	7.75820E-01	2.72280E-01	2.11240E-01	8.98290E-01
1.36460E+03	7.75060E-01	2.72270E-01	2.11030E-01	8.97390E-01
1.36470E+03	7.74250E-01	2.72260E-01	2.10800E-01	8.96420E-01
1.36480E+03	7.73380E-01	2.72250E-01	2.10550E-01	8.95380E-01
1.36490E+03	7.72460E-01	2.72240E-01	2.10300E-01	8.94290E-01
1.36500E+03	7.71500E-01	2.72230E-01	2.10030E-01	8.93150E-01
1.36510E+03	7.70490E-01	2.72230E-01	2.09750E-01	8.91960E-01
1.36520E+03	7.69460E-01	2.72220E-01	2.09460E-01	8.90730E-01
1.36530E+03	7.68400E-01	2.72210E-01	2.09160E-01	8.89460E-01
1.36540E+03	7.67310E-01	2.72200E-01	2.08860E-01	8.88180E-01
1.36550E+03	7.66220E-01	2.72190E-01	2.08550E-01	8.86880E-01
1.36560E+03	7.65110E-01	2.72180E-01	2.08250E-01	8.85570E-01
1.36570E+03	7.64000E-01	2.72170E-01	2.07940E-01	8.84250E-01
1.36580E+03	7.62900E-01	2.72140E-01	2.07620E-01	8.82900E-01
1.36590E+03	7.61790E-01	2.72120E-01	2.07300E-01	8.81550E-01
1.36600E+03	7.60700E-01	2.72100E-01	2.06990E-01	8.80220E-01
1.36610E+03	7.59620E-01	2.72170E-01	2.06740E-01	8.79180E-01
1.36620E+03	7.58540E-01	2.72250E-01	2.06510E-01	8.78190E-01
1.36630E+03	7.57470E-01	2.72330E-01	2.06280E-01	8.77210E-01
1.36640E+03	7.56420E-01	2.72400E-01	2.06050E-01	8.76230E-01
1.36650E+03	7.55360E-01	2.72480E-01	2.05820E-01	8.75260E-01
1.36660E+03	7.54310E-01	2.72560E-01	2.05590E-01	8.74290E-01
1.36670E+03	7.53260E-01	2.72640E-01	2.05370E-01	8.73320E-01
1.36680E+03	7.52200E-01	2.72720E-01	2.05140E-01	8.72350E-01
1.36690E+03	7.51130E-01	2.72790E-01	2.04910E-01	8.71360E-01
1.36700E+03	7.50060E-01	2.72870E-01	2.04670E-01	8.70370E-01
1.36710E+03	7.48970E-01	2.72950E-01	2.04430E-01	8.69350E-01
1.36720E+03	7.47870E-01	2.73030E-01	2.04190E-01	8.68320E-01
1.36730E+03	7.46750E-01	2.73110E-01	2.03940E-01	8.67270E-01
1.36740E+03	7.45610E-01	2.73190E-01	2.03690E-01	8.66200E-01
1.36750E+03	7.44460E-01	2.73270E-01	2.03440E-01	8.65120E-01
1.36760E+03	7.43300E-01	2.73350E-01	2.03180E-01	8.64020E-01
1.36770E+03	7.42130E-01	2.73410E-01	2.02910E-01	8.62860E-01
1.36780E+03	7.40960E-01	2.73470E-01	2.02630E-01	8.61680E-01
1.36790E+03	7.39790E-01	2.73530E-01	2.02350E-01	8.60510E-01
1.36800E+03	7.38630E-01	2.73590E-01	2.02080E-01	8.59340E-01

1.36810E+03	7.37490E-01	2.73610E-01	2.01790E-01	8.58100E-01
1.36820E+03	7.36370E-01	2.73640E-01	2.01500E-01	8.56880E-01
1.36830E+03	7.35280E-01	2.73670E-01	2.01220E-01	8.55700E-01
1.36840E+03	7.34230E-01	2.73690E-01	2.00950E-01	8.54560E-01
1.36850E+03	7.33230E-01	2.73720E-01	2.00700E-01	8.53480E-01
1.36860E+03	7.32280E-01	2.73750E-01	2.00460E-01	8.52460E-01
1.36870E+03	7.31390E-01	2.73770E-01	2.00240E-01	8.51510E-01
1.36880E+03	7.30570E-01	2.73800E-01	2.00030E-01	8.50630E-01
1.36890E+03	7.29820E-01	2.73830E-01	1.99840E-01	8.49840E-01
1.36900E+03	7.29130E-01	2.73850E-01	1.99680E-01	8.49130E-01
1.36910E+03	7.28530E-01	2.73880E-01	1.99530E-01	8.48500E-01
1.36920E+03	7.28000E-01	2.73900E-01	1.99400E-01	8.47960E-01
1.36930E+03	7.27540E-01	2.73930E-01	1.99300E-01	8.47510E-01
1.36940E+03	7.27160E-01	2.73960E-01	1.99210E-01	8.47140E-01
1.36950E+03	7.26860E-01	2.73980E-01	1.99140E-01	8.46860E-01
1.36960E+03	7.26620E-01	2.74000E-01	1.99090E-01	8.46640E-01
1.36970E+03	7.26450E-01	2.74010E-01	1.99050E-01	8.46480E-01
1.36980E+03	7.26350E-01	2.74020E-01	1.99030E-01	8.46390E-01
1.36990E+03	7.26310E-01	2.74030E-01	1.99030E-01	8.46380E-01
1.37000E+03	7.26330E-01	2.74040E-01	1.99040E-01	8.46430E-01
1.37010E+03	7.26410E-01	2.74040E-01	1.99060E-01	8.46520E-01
1.37020E+03	7.26540E-01	2.74040E-01	1.99100E-01	8.46670E-01
1.37030E+03	7.26730E-01	2.74030E-01	1.99150E-01	8.46880E-01
1.37040E+03	7.26970E-01	2.74030E-01	1.99210E-01	8.47160E-01
1.37050E+03	7.27280E-01	2.74030E-01	1.99300E-01	8.47510E-01
1.37060E+03	7.27640E-01	2.74030E-01	1.99390E-01	8.47920E-01
1.37070E+03	7.28060E-01	2.74030E-01	1.99510E-01	8.48410E-01
1.37080E+03	7.28550E-01	2.74030E-01	1.99640E-01	8.48970E-01
1.37090E+03	7.29100E-01	2.74020E-01	1.99790E-01	8.49610E-01
1.37100E+03	7.29730E-01	2.74020E-01	1.99960E-01	8.50340E-01
1.37110E+03	7.30430E-01	2.74020E-01	2.00150E-01	8.51150E-01
1.37120E+03	7.31220E-01	2.74010E-01	2.00360E-01	8.52050E-01
1.37130E+03	7.32090E-01	2.74010E-01	2.00600E-01	8.53050E-01
1.37140E+03	7.33050E-01	2.74010E-01	2.00860E-01	8.54160E-01
1.37150E+03	7.34100E-01	2.74000E-01	2.01140E-01	8.55370E-01
1.37160E+03	7.35250E-01	2.73990E-01	2.01450E-01	8.56680E-01
1.37170E+03	7.36490E-01	2.73990E-01	2.01790E-01	8.58110E-01
1.37180E+03	7.37830E-01	2.73980E-01	2.02150E-01	8.59650E-01
1.37190E+03	7.39260E-01	2.73970E-01	2.02540E-01	8.61290E-01
1.37200E+03	7.40790E-01	2.73970E-01	2.02950E-01	8.63050E-01
1.37210E+03	7.42400E-01	2.73990E-01	2.03410E-01	8.65000E-01
1.37220E+03	7.44100E-01	2.74010E-01	2.03890E-01	8.67050E-01
1.37230E+03	7.45880E-01	2.74030E-01	2.04400E-01	8.69200E-01

1.37240E+03	7.47740E-01	2.74060E-01	2.04920E-01	8.71440E-01
1.37250E+03	7.49660E-01	2.74080E-01	2.05470E-01	8.73760E-01
1.37260E+03	7.51650E-01	2.74110E-01	2.06030E-01	8.76150E-01
1.37270E+03	7.53690E-01	2.74130E-01	2.06610E-01	8.78600E-01
1.37280E+03	7.55780E-01	2.74150E-01	2.07200E-01	8.81120E-01
1.37290E+03	7.57910E-01	2.74180E-01	2.07800E-01	8.83680E-01
1.37300E+03	7.60080E-01	2.74200E-01	2.08410E-01	8.86280E-01
1.37310E+03	7.62270E-01	2.74230E-01	2.09040E-01	8.88930E-01
1.37320E+03	7.64500E-01	2.74250E-01	2.09670E-01	8.91600E-01
1.37330E+03	7.66740E-01	2.74280E-01	2.10300E-01	8.94300E-01
1.37340E+03	7.69000E-01	2.74300E-01	2.10940E-01	8.97030E-01
1.37350E+03	7.71280E-01	2.74340E-01	2.11590E-01	8.99800E-01
1.37360E+03	7.73570E-01	2.74380E-01	2.12250E-01	9.02600E-01
1.37370E+03	7.75870E-01	2.74420E-01	2.12910E-01	9.05410E-01
1.37380E+03	7.78180E-01	2.74450E-01	2.13570E-01	9.08230E-01
1.37390E+03	7.80500E-01	2.74490E-01	2.14240E-01	9.11060E-01
1.37400E+03	7.82830E-01	2.74530E-01	2.14910E-01	9.13910E-01
1.37410E+03	7.85170E-01	2.74550E-01	2.15570E-01	9.16710E-01
1.37420E+03	7.87510E-01	2.74570E-01	2.16230E-01	9.19510E-01
1.37430E+03	7.89860E-01	2.74590E-01	2.16890E-01	9.22330E-01
1.37440E+03	7.92210E-01	2.74620E-01	2.17550E-01	9.25150E-01
1.37450E+03	7.94560E-01	2.74640E-01	2.18220E-01	9.27960E-01
1.37460E+03	7.96910E-01	2.74660E-01	2.18880E-01	9.30780E-01
1.37470E+03	7.99250E-01	2.74680E-01	2.19540E-01	9.33590E-01
1.37480E+03	8.01570E-01	2.74700E-01	2.20190E-01	9.36380E-01
1.37490E+03	8.03880E-01	2.74730E-01	2.20850E-01	9.39150E-01
1.37500E+03	8.06160E-01	2.74750E-01	2.21490E-01	9.41890E-01
1.37510E+03	8.08410E-01	2.74770E-01	2.22130E-01	9.44620E-01
1.37520E+03	8.10630E-01	2.74800E-01	2.22760E-01	9.47300E-01
1.37530E+03	8.12800E-01	2.74830E-01	2.23380E-01	9.49920E-01
1.37540E+03	8.14910E-01	2.74870E-01	2.24000E-01	9.52550E-01
1.37550E+03	8.16960E-01	2.74920E-01	2.24600E-01	9.55120E-01
1.37560E+03	8.18950E-01	2.74970E-01	2.25190E-01	9.57620E-01
1.37570E+03	8.20860E-01	2.75020E-01	2.25760E-01	9.60030E-01
1.37580E+03	8.22690E-01	2.75080E-01	2.26300E-01	9.62350E-01
1.37590E+03	8.24440E-01	2.75130E-01	2.26830E-01	9.64580E-01
1.37600E+03	8.26090E-01	2.75180E-01	2.27320E-01	9.66690E-01
1.37610E+03	8.27660E-01	2.75230E-01	2.27790E-01	9.68700E-01
1.37620E+03	8.29130E-01	2.75280E-01	2.28240E-01	9.70590E-01
1.37630E+03	8.30500E-01	2.75330E-01	2.28660E-01	9.72370E-01
1.37640E+03	8.31770E-01	2.75380E-01	2.29050E-01	9.74030E-01
1.37650E+03	8.32940E-01	2.75430E-01	2.29410E-01	9.75580E-01
1.37660E+03	8.34010E-01	2.75480E-01	2.29750E-01	9.77010E-01

1.37670E+03	8.34990E-01	2.75520E-01	2.30060E-01	9.78330E-01
1.37680E+03	8.35860E-01	2.75570E-01	2.30340E-01	9.79530E-01
1.37690E+03	8.36640E-01	2.75620E-01	2.30600E-01	9.80620E-01
1.37700E+03	8.37320E-01	2.75670E-01	2.30830E-01	9.81590E-01
1.37710E+03	8.37900E-01	2.75720E-01	2.31030E-01	9.82440E-01
1.37720E+03	8.38380E-01	2.75770E-01	2.31200E-01	9.83180E-01
1.37730E+03	8.38760E-01	2.75820E-01	2.31350E-01	9.83810E-01
1.37740E+03	8.39050E-01	2.75870E-01	2.31470E-01	9.84310E-01
1.37750E+03	8.39220E-01	2.75920E-01	2.31560E-01	9.84690E-01
1.37760E+03	8.39300E-01	2.75970E-01	2.31620E-01	9.84950E-01
1.37770E+03	8.39260E-01	2.76010E-01	2.31650E-01	9.85080E-01
1.37780E+03	8.39100E-01	2.76060E-01	2.31640E-01	9.85070E-01
1.37790E+03	8.38820E-01	2.76110E-01	2.31610E-01	9.84910E-01
1.37800E+03	8.38420E-01	2.76160E-01	2.31540E-01	9.84610E-01
1.37810E+03	8.37880E-01	2.76220E-01	2.31440E-01	9.84190E-01
1.37820E+03	8.37200E-01	2.76280E-01	2.31300E-01	9.83600E-01
1.37830E+03	8.36370E-01	2.76330E-01	2.31120E-01	9.82830E-01
1.37840E+03	8.35400E-01	2.76390E-01	2.30900E-01	9.81890E-01
1.37850E+03	8.34260E-01	2.76450E-01	2.30630E-01	9.80750E-01
1.37860E+03	8.32950E-01	2.76510E-01	2.30320E-01	9.79420E-01
1.37870E+03	8.31470E-01	2.76560E-01	2.29950E-01	9.77880E-01
1.37880E+03	8.29820E-01	2.76620E-01	2.29540E-01	9.76140E-01
1.37890E+03	8.27980E-01	2.76680E-01	2.29080E-01	9.74180E-01
1.37900E+03	8.25950E-01	2.76740E-01	2.28570E-01	9.71990E-01
1.37910E+03	8.23730E-01	2.76790E-01	2.28000E-01	9.69590E-01
1.37920E+03	8.21320E-01	2.76850E-01	2.27380E-01	9.66930E-01
1.37930E+03	8.18710E-01	2.76860E-01	2.26670E-01	9.63920E-01
1.37940E+03	8.15900E-01	2.76880E-01	2.25910E-01	9.60670E-01
1.37950E+03	8.12890E-01	2.76900E-01	2.25090E-01	9.57190E-01
1.37960E+03	8.09670E-01	2.76920E-01	2.24210E-01	9.53460E-01
1.37970E+03	8.06240E-01	2.76940E-01	2.23280E-01	9.49490E-01
1.37980E+03	8.02610E-01	2.76950E-01	2.22290E-01	9.45270E-01
1.37990E+03	7.98770E-01	2.76970E-01	2.21230E-01	9.40800E-01
1.38000E+03	7.94710E-01	2.76990E-01	2.20120E-01	9.36080E-01
1.38010E+03	7.90430E-01	2.76980E-01	2.18930E-01	9.31020E-01
1.38020E+03	7.85940E-01	2.76970E-01	2.17680E-01	9.25700E-01
1.38030E+03	7.81230E-01	2.76970E-01	2.16370E-01	9.20130E-01
1.38040E+03	7.76290E-01	2.76960E-01	2.15000E-01	9.14290E-01
1.38050E+03	7.71130E-01	2.76950E-01	2.13570E-01	9.08190E-01
1.38060E+03	7.65740E-01	2.76940E-01	2.12070E-01	9.01820E-01
1.38070E+03	7.60120E-01	2.76930E-01	2.10500E-01	8.95170E-01
1.38080E+03	7.54260E-01	2.76930E-01	2.08880E-01	8.88250E-01
1.38090E+03	7.48170E-01	2.76920E-01	2.07180E-01	8.81050E-01

1.38100E+03	7.41840E-01	2.76910E-01	2.05420E-01	8.73560E-01
1.38110E+03	7.35270E-01	2.76900E-01	2.03600E-01	8.65810E-01
1.38120E+03	7.28460E-01	2.76870E-01	2.01690E-01	8.57680E-01
1.38130E+03	7.21410E-01	2.76830E-01	1.99710E-01	8.49250E-01
1.38140E+03	7.14120E-01	2.76790E-01	1.97660E-01	8.40540E-01
1.38150E+03	7.06590E-01	2.76740E-01	1.95540E-01	8.31560E-01
1.38160E+03	6.98830E-01	2.76700E-01	1.93370E-01	8.22290E-01
1.38170E+03	6.90830E-01	2.76660E-01	1.91120E-01	8.12750E-01
1.38180E+03	6.82600E-01	2.76620E-01	1.88820E-01	8.02950E-01
1.38190E+03	6.74150E-01	2.76570E-01	1.86450E-01	7.92880E-01
1.38200E+03	6.65470E-01	2.76530E-01	1.84020E-01	7.82560E-01
1.38210E+03	6.56580E-01	2.76470E-01	1.81530E-01	7.71940E-01
1.38220E+03	6.47480E-01	2.76410E-01	1.78970E-01	7.61070E-01
1.38230E+03	6.38180E-01	2.76350E-01	1.76360E-01	7.49980E-01
1.38240E+03	6.28690E-01	2.76290E-01	1.73700E-01	7.38660E-01
1.38250E+03	6.19010E-01	2.76230E-01	1.70990E-01	7.27120E-01
1.38260E+03	6.09140E-01	2.76170E-01	1.68230E-01	7.15380E-01
1.38270E+03	5.99110E-01	2.76110E-01	1.65420E-01	7.03450E-01
1.38280E+03	5.88910E-01	2.76050E-01	1.62570E-01	6.91320E-01
1.38290E+03	5.78570E-01	2.75990E-01	1.59680E-01	6.79030E-01
1.38300E+03	5.68080E-01	2.75930E-01	1.56750E-01	6.66570E-01
1.38310E+03	5.57450E-01	2.75860E-01	1.53780E-01	6.53950E-01
1.38320E+03	5.46710E-01	2.75790E-01	1.50780E-01	6.41180E-01
1.38330E+03	5.35850E-01	2.75720E-01	1.47750E-01	6.28290E-01
1.38340E+03	5.24900E-01	2.75650E-01	1.44690E-01	6.15290E-01
1.38350E+03	5.13850E-01	2.75580E-01	1.41610E-01	6.02190E-01
1.38360E+03	5.02740E-01	2.75510E-01	1.38510E-01	5.89010E-01
1.38370E+03	4.91560E-01	2.75440E-01	1.35400E-01	5.75770E-01
1.38380E+03	4.80340E-01	2.75370E-01	1.32270E-01	5.62490E-01
1.38390E+03	4.69090E-01	2.75300E-01	1.29140E-01	5.49180E-01
1.38400E+03	4.57830E-01	2.75230E-01	1.26010E-01	5.35860E-01
1.38410E+03	4.46570E-01	2.75130E-01	1.22870E-01	5.22490E-01
1.38420E+03	4.35330E-01	2.75030E-01	1.19730E-01	5.09160E-01
1.38430E+03	4.24130E-01	2.74930E-01	1.16610E-01	4.95870E-01
1.38440E+03	4.12980E-01	2.74830E-01	1.13500E-01	4.82660E-01
1.38450E+03	4.01900E-01	2.74730E-01	1.10420E-01	4.69540E-01
1.38460E+03	3.90910E-01	2.74630E-01	1.07360E-01	4.56530E-01
1.38470E+03	3.80020E-01	2.74530E-01	1.04330E-01	4.43650E-01
1.38480E+03	3.69240E-01	2.74430E-01	1.01330E-01	4.30920E-01
1.38490E+03	3.58600E-01	2.74330E-01	9.83760E-02	4.18340E-01
1.38500E+03	3.48100E-01	2.74230E-01	9.54610E-02	4.05950E-01
1.38510E+03	3.37760E-01	2.74140E-01	9.25920E-02	3.93750E-01
1.38520E+03	3.27580E-01	2.74040E-01	8.97700E-02	3.81750E-01

1.38530E+03	3.17580E-01	2.73940E-01	8.69980E-02	3.69960E-01
1.38540E+03	3.07750E-01	2.73850E-01	8.42770E-02	3.58390E-01
1.38550E+03	2.98110E-01	2.73750E-01	8.16090E-02	3.47040E-01
1.38560E+03	2.88660E-01	2.73660E-01	7.89940E-02	3.35920E-01
1.38570E+03	2.79410E-01	2.73560E-01	7.64350E-02	3.25040E-01
1.38580E+03	2.70340E-01	2.73470E-01	7.39290E-02	3.14390E-01
1.38590E+03	2.61470E-01	2.73370E-01	7.14790E-02	3.03970E-01
1.38600E+03	2.52800E-01	2.73270E-01	6.90840E-02	2.93780E-01
1.38610E+03	2.44320E-01	2.73200E-01	6.67470E-02	2.83840E-01
1.38620E+03	2.36030E-01	2.73120E-01	6.44630E-02	2.74130E-01
1.38630E+03	2.27930E-01	2.73040E-01	6.22320E-02	2.64640E-01
1.38640E+03	2.20010E-01	2.72960E-01	6.00540E-02	2.55380E-01
1.38650E+03	2.12280E-01	2.72880E-01	5.79280E-02	2.46340E-01
1.38660E+03	2.04740E-01	2.72800E-01	5.58530E-02	2.37520E-01
1.38670E+03	1.97380E-01	2.72720E-01	5.38300E-02	2.28910E-01
1.38680E+03	1.90200E-01	2.72650E-01	5.18570E-02	2.20520E-01
1.38690E+03	1.83200E-01	2.72570E-01	4.99360E-02	2.12350E-01
1.38700E+03	1.76390E-01	2.72480E-01	4.80640E-02	2.04390E-01
1.38710E+03	1.69760E-01	2.72390E-01	4.62430E-02	1.96650E-01
1.38720E+03	1.63320E-01	2.72300E-01	4.44730E-02	1.89120E-01
1.38730E+03	1.57060E-01	2.72220E-01	4.27550E-02	1.81820E-01
1.38740E+03	1.51000E-01	2.72130E-01	4.10900E-02	1.74740E-01
1.38750E+03	1.45120E-01	2.72040E-01	3.94770E-02	1.67880E-01
1.38760E+03	1.39430E-01	2.71950E-01	3.79170E-02	1.61240E-01
1.38770E+03	1.33930E-01	2.71870E-01	3.64100E-02	1.54830E-01
1.38780E+03	1.28620E-01	2.71780E-01	3.49560E-02	1.48650E-01
1.38790E+03	1.23500E-01	2.71690E-01	3.35540E-02	1.42690E-01
1.38800E+03	1.18570E-01	2.71600E-01	3.22050E-02	1.36950E-01
1.38810E+03	1.13830E-01	2.71490E-01	3.09040E-02	1.31420E-01
1.38820E+03	1.09270E-01	2.71380E-01	2.96540E-02	1.26110E-01
1.38830E+03	1.04890E-01	2.71270E-01	2.84550E-02	1.21000E-01
1.38840E+03	1.00690E-01	2.71160E-01	2.73030E-02	1.16110E-01
1.38850E+03	9.66550E-02	2.71050E-01	2.61980E-02	1.11410E-01
1.38860E+03	9.27830E-02	2.70940E-01	2.51390E-02	1.06900E-01
1.38870E+03	8.90690E-02	2.70830E-01	2.41230E-02	1.02580E-01
1.38880E+03	8.55050E-02	2.70720E-01	2.31480E-02	9.84370E-02
1.38890E+03	8.20840E-02	2.70610E-01	2.22120E-02	9.44590E-02
1.38900E+03	7.87990E-02	2.70490E-01	2.13140E-02	9.06390E-02
1.38910E+03	7.56430E-02	2.70370E-01	2.04520E-02	8.69720E-02
1.38920E+03	7.26110E-02	2.70260E-01	1.96240E-02	8.34500E-02
1.38930E+03	6.96960E-02	2.70140E-01	1.88280E-02	8.00650E-02
1.38940E+03	6.68930E-02	2.70020E-01	1.80630E-02	7.68120E-02
1.38950E+03	6.41970E-02	2.69910E-01	1.73270E-02	7.36850E-02

1.38960E+03	6.16050E-02	2.69790E-01	1.66200E-02	7.06790E-02
1.38970E+03	5.91130E-02	2.69670E-01	1.59410E-02	6.77900E-02
1.38980E+03	5.67180E-02	2.69560E-01	1.52890E-02	6.50150E-02
1.38990E+03	5.44170E-02	2.69440E-01	1.46620E-02	6.23510E-02
1.39000E+03	5.22100E-02	2.69320E-01	1.40610E-02	5.97960E-02
1.39010E+03	5.00950E-02	2.69190E-01	1.34850E-02	5.73440E-02
1.39020E+03	4.80690E-02	2.69050E-01	1.29330E-02	5.49970E-02
1.39030E+03	4.61320E-02	2.68910E-01	1.24050E-02	5.27540E-02
1.39040E+03	4.42830E-02	2.68770E-01	1.19020E-02	5.06130E-02
1.39050E+03	4.25190E-02	2.68630E-01	1.14220E-02	4.85720E-02
1.39060E+03	4.08380E-02	2.68490E-01	1.09650E-02	4.66280E-02
1.39070E+03	3.92380E-02	2.68360E-01	1.05300E-02	4.47780E-02
1.39080E+03	3.77160E-02	2.68220E-01	1.01160E-02	4.30190E-02
1.39090E+03	3.62680E-02	2.68090E-01	9.72300E-03	4.13470E-02
1.39100E+03	3.48910E-02	2.67950E-01	9.34910E-03	3.97570E-02
1.39110E+03	3.35790E-02	2.67820E-01	8.99320E-03	3.82440E-02
1.39120E+03	3.23280E-02	2.67690E-01	8.65400E-03	3.68010E-02
1.39130E+03	3.11330E-02	2.67560E-01	8.33010E-03	3.54240E-02
1.39140E+03	2.99900E-02	2.67430E-01	8.02030E-03	3.41060E-02
1.39150E+03	2.88930E-02	2.67300E-01	7.72310E-03	3.28430E-02
1.39160E+03	2.78380E-02	2.67170E-01	7.43740E-03	3.16280E-02
1.39170E+03	2.68200E-02	2.67040E-01	7.16200E-03	3.04560E-02
1.39180E+03	2.58360E-02	2.66910E-01	6.89580E-03	2.93240E-02
1.39190E+03	2.48820E-02	2.66780E-01	6.63800E-03	2.82280E-02
1.39200E+03	2.39570E-02	2.66650E-01	6.38800E-03	2.71650E-02
1.39210E+03	2.30580E-02	2.66530E-01	6.14570E-03	2.61340E-02
1.39220E+03	2.21850E-02	2.66410E-01	5.91040E-03	2.51340E-02
1.39230E+03	2.13370E-02	2.66300E-01	5.68210E-03	2.41630E-02
1.39240E+03	2.05160E-02	2.66180E-01	5.46110E-03	2.32230E-02
1.39250E+03	1.97230E-02	2.66060E-01	5.24750E-03	2.23150E-02
1.39260E+03	1.89580E-02	2.65950E-01	5.04190E-03	2.14410E-02
1.39270E+03	1.82250E-02	2.65830E-01	4.84490E-03	2.06030E-02
1.39280E+03	1.75250E-02	2.65720E-01	4.65690E-03	1.98040E-02
1.39290E+03	1.68610E-02	2.65610E-01	4.47860E-03	1.90450E-02
1.39300E+03	1.62340E-02	2.65500E-01	4.31030E-03	1.83290E-02
1.39310E+03	1.56460E-02	2.65400E-01	4.15240E-03	1.76580E-02
1.39320E+03	1.50970E-02	2.65290E-01	4.00520E-03	1.70320E-02
1.39330E+03	1.45890E-02	2.65180E-01	3.86870E-03	1.64520E-02
1.39340E+03	1.41200E-02	2.65070E-01	3.74270E-03	1.59160E-02
1.39350E+03	1.36880E-02	2.64970E-01	3.62690E-03	1.54230E-02
1.39360E+03	1.32920E-02	2.64860E-01	3.52060E-03	1.49710E-02
1.39370E+03	1.29290E-02	2.64750E-01	3.42300E-03	1.45560E-02
1.39380E+03	1.25950E-02	2.64640E-01	3.33310E-03	1.41740E-02

1.39390E+03	1.22850E-02	2.64540E-01	3.24980E-03	1.38200E-02
1.39400E+03	1.19950E-02	2.64430E-01	3.17180E-03	1.34880E-02
1.39410E+03	1.17190E-02	2.64320E-01	3.09750E-03	1.31720E-02
1.39420E+03	1.14530E-02	2.64200E-01	3.02590E-03	1.28680E-02
1.39430E+03	1.11920E-02	2.64080E-01	2.95550E-03	1.25680E-02
1.39440E+03	1.09300E-02	2.63970E-01	2.88520E-03	1.22690E-02
1.39450E+03	1.06640E-02	2.63850E-01	2.81380E-03	1.19660E-02
1.39460E+03	1.03910E-02	2.63740E-01	2.74060E-03	1.16540E-02
1.39470E+03	1.01080E-02	2.63640E-01	2.66490E-03	1.13330E-02
1.39480E+03	9.81350E-03	2.63550E-01	2.58630E-03	1.09980E-02
1.39490E+03	9.50700E-03	2.63460E-01	2.50470E-03	1.06510E-02
1.39500E+03	9.18900E-03	2.63370E-01	2.42010E-03	1.02910E-02
1.39510E+03	8.86120E-03	2.63280E-01	2.33300E-03	9.92090E-03
1.39520E+03	8.52610E-03	2.63190E-01	2.24400E-03	9.54250E-03
1.39530E+03	8.18690E-03	2.63100E-01	2.15400E-03	9.15980E-03
1.39540E+03	7.84770E-03	2.63010E-01	2.06400E-03	8.77730E-03
1.39550E+03	7.51260E-03	2.62920E-01	1.97520E-03	8.39980E-03
1.39560E+03	7.18640E-03	2.62840E-01	1.88890E-03	8.03240E-03
1.39570E+03	6.87370E-03	2.62750E-01	1.80600E-03	7.68020E-03
1.39580E+03	6.57880E-03	2.62660E-01	1.72800E-03	7.34830E-03
1.39590E+03	6.30560E-03	2.62570E-01	1.65570E-03	7.04080E-03
1.39600E+03	6.05750E-03	2.62490E-01	1.59000E-03	6.76150E-03
1.39610E+03	5.83700E-03	2.62370E-01	1.53150E-03	6.51260E-03
1.39620E+03	5.64570E-03	2.62260E-01	1.48060E-03	6.29640E-03
1.39630E+03	5.48410E-03	2.62150E-01	1.43760E-03	6.11350E-03
1.39640E+03	5.35190E-03	2.62030E-01	1.40240E-03	5.96350E-03
1.39650E+03	5.24740E-03	2.61920E-01	1.37440E-03	5.84460E-03
1.39660E+03	5.16840E-03	2.61820E-01	1.35320E-03	5.75450E-03
1.39670E+03	5.11140E-03	2.61740E-01	1.33790E-03	5.68930E-03
1.39680E+03	5.07250E-03	2.61660E-01	1.32730E-03	5.64420E-03
1.39690E+03	5.04700E-03	2.61580E-01	1.32020E-03	5.61420E-03
1.39700E+03	5.03010E-03	2.61500E-01	1.31540E-03	5.59370E-03
1.39710E+03	5.01680E-03	2.61430E-01	1.31150E-03	5.57720E-03
1.39720E+03	5.00210E-03	2.61350E-01	1.30730E-03	5.55930E-03
1.39730E+03	4.98150E-03	2.61270E-01	1.30150E-03	5.53480E-03
1.39740E+03	4.95110E-03	2.61190E-01	1.29320E-03	5.49920E-03
1.39750E+03	4.90720E-03	2.61110E-01	1.28140E-03	5.44900E-03
1.39760E+03	4.84760E-03	2.61040E-01	1.26540E-03	5.38120E-03
1.39770E+03	4.77050E-03	2.60960E-01	1.24490E-03	5.29400E-03
1.39780E+03	4.67550E-03	2.60880E-01	1.21980E-03	5.18700E-03
1.39790E+03	4.56290E-03	2.60800E-01	1.19000E-03	5.06050E-03
1.39800E+03	4.43400E-03	2.60730E-01	1.15610E-03	4.91630E-03
1.39810E+03	4.29120E-03	2.60720E-01	1.11880E-03	4.75770E-03

1.39820E+03	4.13760E-03	2.60700E-01	1.07870E-03	4.58710E-03
1.39830E+03	3.97680E-03	2.60680E-01	1.03670E-03	4.40850E-03
1.39840E+03	3.81280E-03	2.60670E-01	9.93880E-04	4.22650E-03
1.39850E+03	3.65010E-03	2.60660E-01	9.51440E-04	4.04600E-03
1.39860E+03	3.49310E-03	2.60690E-01	9.10610E-04	3.87240E-03
1.39870E+03	3.34580E-03	2.60720E-01	8.72330E-04	3.70960E-03
1.39880E+03	3.21230E-03	2.60750E-01	8.37610E-04	3.56190E-03
1.39890E+03	3.09560E-03	2.60780E-01	8.07280E-04	3.43300E-03
1.39900E+03	2.99850E-03	2.60810E-01	7.82060E-04	3.32570E-03
1.39910E+03	2.92260E-03	2.60840E-01	7.62350E-04	3.24190E-03
1.39920E+03	2.86890E-03	2.60870E-01	7.48400E-04	3.18260E-03
1.39930E+03	2.83700E-03	2.60900E-01	7.40180E-04	3.14760E-03
1.39940E+03	2.82610E-03	2.60930E-01	7.37420E-04	3.13590E-03
1.39950E+03	2.83400E-03	2.60960E-01	7.39570E-04	3.14500E-03
1.39960E+03	2.85820E-03	2.60990E-01	7.45950E-04	3.17220E-03
1.39970E+03	2.89490E-03	2.61020E-01	7.55620E-04	3.21330E-03
1.39980E+03	2.94010E-03	2.61050E-01	7.67530E-04	3.26390E-03
1.39990E+03	2.98950E-03	2.61080E-01	7.80500E-04	3.31910E-03
1.40000E+03	3.03840E-03	2.61110E-01	7.93340E-04	3.37370E-03
1.40010E+03	3.08190E-03	2.61100E-01	8.04700E-04	3.42200E-03
1.40020E+03	3.11580E-03	2.61100E-01	8.13530E-04	3.45950E-03
1.40030E+03	3.13570E-03	2.61090E-01	8.18710E-04	3.48160E-03
1.40040E+03	3.13810E-03	2.61090E-01	8.19330E-04	3.48420E-03
1.40050E+03	3.12000E-03	2.61110E-01	8.14660E-04	3.46430E-03
1.40060E+03	3.07930E-03	2.61130E-01	8.04080E-04	3.41940E-03
1.40070E+03	3.01460E-03	2.61140E-01	7.87230E-04	3.34770E-03
1.40080E+03	2.92550E-03	2.61160E-01	7.64040E-04	3.24910E-03
1.40090E+03	2.81270E-03	2.61180E-01	7.34630E-04	3.12400E-03
1.40100E+03	2.67760E-03	2.61200E-01	6.99400E-04	2.97420E-03
1.40110E+03	2.52260E-03	2.61220E-01	6.58950E-04	2.80220E-03
1.40120E+03	2.35080E-03	2.61240E-01	6.14120E-04	2.61150E-03
1.40130E+03	2.16590E-03	2.61260E-01	5.65850E-04	2.40630E-03
1.40140E+03	1.97230E-03	2.61280E-01	5.15310E-04	2.19140E-03
1.40150E+03	1.77460E-03	2.61300E-01	4.63690E-04	1.97190E-03
1.40160E+03	1.57770E-03	2.61320E-01	4.12290E-04	1.75330E-03
1.40170E+03	1.38660E-03	2.61340E-01	3.62380E-04	1.54100E-03
1.40180E+03	1.20610E-03	2.61360E-01	3.15230E-04	1.34050E-03
1.40190E+03	1.04060E-03	2.61380E-01	2.71990E-04	1.15660E-03
1.40200E+03	8.94310E-04	2.61400E-01	2.33770E-04	9.94100E-04
1.40210E+03	7.70620E-04	2.61420E-01	2.01460E-04	8.56710E-04
1.40220E+03	6.72500E-04	2.61450E-01	1.75830E-04	7.47710E-04
1.40230E+03	6.02020E-04	2.61480E-01	1.57420E-04	6.69420E-04
1.40240E+03	5.60600E-04	2.61500E-01	1.46600E-04	6.23410E-04

1.40250E+03	5.48680E-04	2.61510E-01	1.43490E-04	6.10180E-04
1.40260E+03	5.66110E-04	2.61530E-01	1.48050E-04	6.29590E-04
1.40270E+03	6.11650E-04	2.61540E-01	1.59970E-04	6.80270E-04
1.40280E+03	6.83530E-04	2.61550E-01	1.78780E-04	7.60250E-04
1.40290E+03	7.79160E-04	2.61560E-01	2.03800E-04	8.66660E-04
1.40300E+03	8.95500E-04	2.61570E-01	2.34240E-04	9.96110E-04
1.40310E+03	1.02890E-03	2.61590E-01	2.69150E-04	1.14450E-03
1.40320E+03	1.17560E-03	2.61600E-01	3.07540E-04	1.30780E-03
1.40330E+03	0.00000E+00	2.61610E-01	0.00000E+00	0.00000E+00
Channel 12				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.49120E+03	0.00000E+00	2.50970E-01	0.00000E+00	0.00000E+00
1.49130E+03	1.51990E-04	2.50750E-01	3.81120E-05	2.16760E-04
1.49140E+03	3.04460E-04	2.50530E-01	7.62750E-05	4.33820E-04
1.49150E+03	5.34930E-04	2.50300E-01	1.33890E-04	7.61540E-04
1.49160E+03	7.92920E-04	2.50080E-01	1.98290E-04	1.12780E-03
1.49170E+03	1.06330E-03	2.49860E-01	2.65670E-04	1.51100E-03
1.49180E+03	1.33580E-03	2.49630E-01	3.33460E-04	1.89660E-03
1.49190E+03	1.60140E-03	2.49410E-01	3.99420E-04	2.27170E-03
1.49200E+03	1.85200E-03	2.49190E-01	4.61510E-04	2.62490E-03
1.49210E+03	2.08040E-03	2.48860E-01	5.17710E-04	2.94450E-03
1.49220E+03	2.28030E-03	2.48520E-01	5.66710E-04	3.22320E-03
1.49230E+03	1.91750E-03	2.48190E-01	4.75900E-04	2.70670E-03
1.49240E+03	2.01350E-03	2.47850E-01	4.99060E-04	2.83840E-03
1.49250E+03	2.09770E-03	2.47520E-01	5.19220E-04	2.95310E-03
1.49260E+03	2.16720E-03	2.47190E-01	5.35700E-04	3.04690E-03
1.49270E+03	2.22190E-03	2.46850E-01	5.48470E-04	3.11950E-03
1.49280E+03	2.26250E-03	2.46520E-01	5.57740E-04	3.17220E-03
1.49290E+03	2.29050E-03	2.46190E-01	5.63900E-04	3.20730E-03
1.49300E+03	2.30810E-03	2.45860E-01	5.67470E-04	3.22750E-03
1.49310E+03	2.31780E-03	2.45570E-01	5.69190E-04	3.23740E-03
1.49320E+03	2.32250E-03	2.45290E-01	5.69690E-04	3.24020E-03
1.49330E+03	2.32540E-03	2.45010E-01	5.69750E-04	3.24050E-03
1.49340E+03	2.32990E-03	2.44730E-01	5.70190E-04	3.24300E-03
1.49350E+03	2.33940E-03	2.44450E-01	5.71860E-04	3.25250E-03
1.49360E+03	2.35730E-03	2.44160E-01	5.75560E-04	3.27360E-03
1.49370E+03	2.38670E-03	2.43880E-01	5.82070E-04	3.31060E-03
1.49380E+03	2.43050E-03	2.43600E-01	5.92060E-04	3.36740E-03
1.49390E+03	2.49120E-03	2.43320E-01	6.06160E-04	3.44760E-03
1.49400E+03	2.57090E-03	2.43040E-01	6.24830E-04	3.55380E-03

1.49410E+03	2.67120E-03	2.42830E-01	6.48650E-04	3.68930E-03
1.49420E+03	2.79320E-03	2.42630E-01	6.77710E-04	3.85460E-03
1.49430E+03	2.93730E-03	2.42440E-01	7.12120E-04	4.05020E-03
1.49440E+03	3.10380E-03	2.42240E-01	7.51860E-04	4.27630E-03
1.49450E+03	3.29220E-03	2.42040E-01	7.96850E-04	4.53220E-03
1.49460E+03	3.50170E-03	2.41840E-01	8.46860E-04	4.81660E-03
1.49470E+03	3.73120E-03	2.41640E-01	9.01620E-04	5.12810E-03
1.49480E+03	3.97930E-03	2.41440E-01	9.60780E-04	5.46460E-03
1.49490E+03	4.24450E-03	2.41250E-01	1.02400E-03	5.82390E-03
1.49500E+03	4.52510E-03	2.41080E-01	1.09090E-03	6.20470E-03
1.49510E+03	4.81950E-03	2.40930E-01	1.16120E-03	6.60430E-03
1.49520E+03	5.12630E-03	2.40780E-01	1.23430E-03	7.02040E-03
1.49530E+03	5.44410E-03	2.40630E-01	1.31000E-03	7.45090E-03
1.49540E+03	5.77170E-03	2.40480E-01	1.38800E-03	7.89430E-03
1.49550E+03	6.10830E-03	2.40330E-01	1.46800E-03	8.34940E-03
1.49560E+03	6.45320E-03	2.40180E-01	1.54990E-03	8.81540E-03
1.49570E+03	6.80620E-03	2.40030E-01	1.63370E-03	9.29180E-03
1.49580E+03	7.16740E-03	2.39880E-01	1.71930E-03	9.77880E-03
1.49590E+03	7.53730E-03	2.39730E-01	1.80690E-03	1.02770E-02
1.49600E+03	7.91650E-03	2.39580E-01	1.89660E-03	1.07870E-02
1.49610E+03	8.30620E-03	2.39490E-01	1.98930E-03	1.13140E-02
1.49620E+03	8.70760E-03	2.39410E-01	2.08460E-03	1.18570E-02
1.49630E+03	9.12220E-03	2.39320E-01	2.18310E-03	1.24170E-02
1.49640E+03	9.55160E-03	2.39230E-01	2.28510E-03	1.29970E-02
1.49650E+03	9.99770E-03	2.39150E-01	2.39090E-03	1.35990E-02
1.49660E+03	1.04620E-02	2.39060E-01	2.50110E-03	1.42250E-02
1.49670E+03	1.09470E-02	2.38970E-01	2.61600E-03	1.48790E-02
1.49680E+03	1.14530E-02	2.38890E-01	2.73600E-03	1.55610E-02
1.49690E+03	1.19820E-02	2.38780E-01	2.86120E-03	1.62730E-02
1.49700E+03	1.25370E-02	2.38650E-01	2.99190E-03	1.70170E-02
1.49710E+03	1.31170E-02	2.38510E-01	3.12850E-03	1.77940E-02
1.49720E+03	1.37240E-02	2.38380E-01	3.27140E-03	1.86070E-02
1.49730E+03	1.43590E-02	2.38240E-01	3.42080E-03	1.94560E-02
1.49740E+03	1.50220E-02	2.38110E-01	3.57680E-03	2.03430E-02
1.49750E+03	1.57150E-02	2.37970E-01	3.73960E-03	2.12690E-02
1.49760E+03	1.64370E-02	2.37830E-01	3.90920E-03	2.22340E-02
1.49770E+03	1.71890E-02	2.37700E-01	4.08580E-03	2.32380E-02
1.49780E+03	1.79720E-02	2.37560E-01	4.26950E-03	2.42830E-02
1.49790E+03	1.87860E-02	2.37430E-01	4.46030E-03	2.53690E-02
1.49800E+03	1.96320E-02	2.37290E-01	4.65850E-03	2.64950E-02
1.49810E+03	2.05100E-02	2.37150E-01	4.86410E-03	2.76650E-02
1.49820E+03	2.14210E-02	2.37020E-01	5.07730E-03	2.88780E-02
1.49830E+03	2.23670E-02	2.36880E-01	5.29840E-03	3.01350E-02

1.49840E+03	2.33480E-02	2.36750E-01	5.52770E-03	3.14390E-02
1.49850E+03	2.43660E-02	2.36610E-01	5.76540E-03	3.27910E-02
1.49860E+03	2.54230E-02	2.36480E-01	6.01190E-03	3.41930E-02
1.49870E+03	2.65200E-02	2.36340E-01	6.26770E-03	3.56480E-02
1.49880E+03	2.76590E-02	2.36180E-01	6.53250E-03	3.71540E-02
1.49890E+03	2.88420E-02	2.35940E-01	6.80490E-03	3.87040E-02
1.49900E+03	3.00720E-02	2.35690E-01	7.08780E-03	4.03130E-02
1.49910E+03	3.03960E-02	2.35440E-01	7.15650E-03	4.07030E-02
1.49920E+03	3.16610E-02	2.35200E-01	7.44650E-03	4.23530E-02
1.49930E+03	3.29830E-02	2.34950E-01	7.74930E-03	4.40750E-02
1.49940E+03	3.43650E-02	2.34700E-01	8.06560E-03	4.58740E-02
1.49950E+03	3.58120E-02	2.34460E-01	8.39640E-03	4.77560E-02
1.49960E+03	3.73260E-02	2.34210E-01	8.74230E-03	4.97230E-02
1.49970E+03	3.89110E-02	2.33970E-01	9.10380E-03	5.17790E-02
1.49980E+03	4.05680E-02	2.33720E-01	9.48150E-03	5.39270E-02
1.49990E+03	4.22990E-02	2.33470E-01	9.87560E-03	5.61690E-02
1.50000E+03	4.41050E-02	2.33220E-01	1.02860E-02	5.85050E-02
1.50010E+03	4.59870E-02	2.32950E-01	1.07130E-02	6.09300E-02
1.50020E+03	4.79450E-02	2.32680E-01	1.11560E-02	6.34500E-02
1.50030E+03	4.99810E-02	2.32400E-01	1.16160E-02	6.60660E-02
1.50040E+03	5.20930E-02	2.32130E-01	1.20920E-02	6.87770E-02
1.50050E+03	5.42840E-02	2.31860E-01	1.25860E-02	7.15840E-02
1.50060E+03	5.65530E-02	2.31580E-01	1.30970E-02	7.44890E-02
1.50070E+03	5.89020E-02	2.31310E-01	1.36250E-02	7.74920E-02
1.50080E+03	6.13340E-02	2.30980E-01	1.41670E-02	8.05750E-02
1.50090E+03	6.38520E-02	2.30640E-01	1.47270E-02	8.37600E-02
1.50100E+03	6.64590E-02	2.30300E-01	1.53050E-02	8.70520E-02
1.50110E+03	6.91610E-02	2.29960E-01	1.59040E-02	9.04570E-02
1.50120E+03	7.19640E-02	2.29620E-01	1.65240E-02	9.39840E-02
1.50130E+03	7.48750E-02	2.29280E-01	1.71680E-02	9.76420E-02
1.50140E+03	7.79030E-02	2.28940E-01	1.78350E-02	1.01440E-01
1.50150E+03	8.10570E-02	2.28600E-01	1.85300E-02	1.05390E-01
1.50160E+03	8.43480E-02	2.28270E-01	1.92540E-02	1.09510E-01
1.50170E+03	8.77840E-02	2.27930E-01	2.00090E-02	1.13800E-01
1.50180E+03	9.13790E-02	2.27590E-01	2.07970E-02	1.18290E-01
1.50190E+03	9.51430E-02	2.27250E-01	2.16210E-02	1.22970E-01
1.50200E+03	9.90860E-02	2.26920E-01	2.24840E-02	1.27880E-01
1.50210E+03	1.03220E-01	2.26550E-01	2.33840E-02	1.33000E-01
1.50220E+03	1.07550E-01	2.26180E-01	2.43260E-02	1.38360E-01
1.50230E+03	1.12090E-01	2.25810E-01	2.53120E-02	1.43960E-01
1.50240E+03	1.16850E-01	2.25450E-01	2.63430E-02	1.49830E-01
1.50250E+03	1.21820E-01	2.25080E-01	2.74200E-02	1.55950E-01
1.50260E+03	1.27020E-01	2.24720E-01	2.85440E-02	1.62350E-01

1.50270E+03	1.32440E-01	2.24370E-01	2.97160E-02	1.69010E-01
1.50280E+03	1.38100E-01	2.24020E-01	3.09360E-02	1.75950E-01
1.50290E+03	1.43970E-01	2.23680E-01	3.22030E-02	1.83160E-01
1.50300E+03	1.50060E-01	2.23340E-01	3.35140E-02	1.90610E-01
1.50310E+03	1.56360E-01	2.23000E-01	3.48680E-02	1.98320E-01
1.50320E+03	1.62870E-01	2.22660E-01	3.62640E-02	2.06260E-01
1.50330E+03	1.69570E-01	2.22320E-01	3.76990E-02	2.14420E-01
1.50340E+03	1.76460E-01	2.21980E-01	3.91700E-02	2.22780E-01
1.50350E+03	1.83520E-01	2.21640E-01	4.06750E-02	2.31340E-01
1.50360E+03	1.90740E-01	2.21300E-01	4.22110E-02	2.40080E-01
1.50370E+03	1.98120E-01	2.20960E-01	4.37750E-02	2.48980E-01
1.50380E+03	2.05620E-01	2.20620E-01	4.53650E-02	2.58020E-01
1.50390E+03	2.13260E-01	2.20280E-01	4.69770E-02	2.67190E-01
1.50400E+03	2.21010E-01	2.19940E-01	4.86090E-02	2.76470E-01
1.50410E+03	2.28860E-01	2.19650E-01	5.02680E-02	2.85910E-01
1.50420E+03	2.36810E-01	2.19360E-01	5.19450E-02	2.95440E-01
1.50430E+03	2.44850E-01	2.19060E-01	5.36370E-02	3.05070E-01
1.50440E+03	2.52970E-01	2.18770E-01	5.53430E-02	3.14770E-01
1.50450E+03	2.61170E-01	2.18480E-01	5.70610E-02	3.24540E-01
1.50460E+03	2.69450E-01	2.18210E-01	5.87960E-02	3.34410E-01
1.50470E+03	2.77800E-01	2.17980E-01	6.05550E-02	3.44410E-01
1.50480E+03	2.86230E-01	2.17750E-01	6.23260E-02	3.54490E-01
1.50490E+03	2.94740E-01	2.17520E-01	6.41110E-02	3.64640E-01
1.50500E+03	3.03330E-01	2.17280E-01	6.59100E-02	3.74870E-01
1.50510E+03	3.12010E-01	2.17050E-01	6.77220E-02	3.85180E-01
1.50520E+03	3.20770E-01	2.16820E-01	6.95490E-02	3.95570E-01
1.50530E+03	3.29620E-01	2.16590E-01	7.13910E-02	4.06050E-01
1.50540E+03	3.38560E-01	2.16360E-01	7.32490E-02	4.16610E-01
1.50550E+03	3.47600E-01	2.16120E-01	7.51240E-02	4.27280E-01
1.50560E+03	3.56730E-01	2.15890E-01	7.70150E-02	4.38030E-01
1.50570E+03	3.65950E-01	2.15660E-01	7.89220E-02	4.48880E-01
1.50580E+03	3.75270E-01	2.15430E-01	8.08440E-02	4.59810E-01
1.50590E+03	3.84680E-01	2.15200E-01	8.27820E-02	4.70830E-01
1.50600E+03	3.94170E-01	2.14970E-01	8.47320E-02	4.81930E-01
1.50610E+03	4.03730E-01	2.14790E-01	8.67180E-02	4.93220E-01
1.50620E+03	4.13350E-01	2.14620E-01	8.87140E-02	5.04570E-01
1.50630E+03	4.23030E-01	2.14450E-01	9.07190E-02	5.15970E-01
1.50640E+03	4.32740E-01	2.14280E-01	9.27280E-02	5.27400E-01
1.50650E+03	4.42480E-01	2.14110E-01	9.47380E-02	5.38830E-01
1.50660E+03	4.52220E-01	2.14030E-01	9.67880E-02	5.50500E-01
1.50670E+03	4.61960E-01	2.13950E-01	9.88350E-02	5.62140E-01
1.50680E+03	4.71660E-01	2.13870E-01	1.00870E-01	5.73730E-01
1.50690E+03	4.81310E-01	2.13790E-01	1.02900E-01	5.85260E-01

1.50700E+03	4.90900E-01	2.13710E-01	1.04910E-01	5.96690E-01
1.50710E+03	5.00410E-01	2.13630E-01	1.06900E-01	6.08010E-01
1.50720E+03	5.09800E-01	2.13550E-01	1.08870E-01	6.19200E-01
1.50730E+03	5.19080E-01	2.13470E-01	1.10810E-01	6.30230E-01
1.50740E+03	5.28220E-01	2.13390E-01	1.12720E-01	6.41080E-01
1.50750E+03	5.37210E-01	2.13310E-01	1.14590E-01	6.51750E-01
1.50760E+03	5.46040E-01	2.13220E-01	1.16430E-01	6.62210E-01
1.50770E+03	5.54690E-01	2.13140E-01	1.18230E-01	6.72440E-01
1.50780E+03	5.63160E-01	2.13060E-01	1.19990E-01	6.82450E-01
1.50790E+03	5.71430E-01	2.12980E-01	1.21710E-01	6.92210E-01
1.50800E+03	5.79510E-01	2.12900E-01	1.23380E-01	7.01730E-01
1.50810E+03	5.87380E-01	2.12820E-01	1.25010E-01	7.11000E-01
1.50820E+03	5.95050E-01	2.12740E-01	1.26590E-01	7.20010E-01
1.50830E+03	6.02500E-01	2.12660E-01	1.28130E-01	7.28760E-01
1.50840E+03	6.09750E-01	2.12580E-01	1.29620E-01	7.37250E-01
1.50850E+03	6.16790E-01	2.12600E-01	1.31130E-01	7.45820E-01
1.50860E+03	6.23610E-01	2.12660E-01	1.32620E-01	7.54290E-01
1.50870E+03	6.30240E-01	2.12720E-01	1.34060E-01	7.62510E-01
1.50880E+03	6.36650E-01	2.12780E-01	1.35470E-01	7.70490E-01
1.50890E+03	6.42870E-01	2.12840E-01	1.36830E-01	7.78230E-01
1.50900E+03	6.48880E-01	2.12900E-01	1.38150E-01	7.85720E-01
1.50910E+03	6.54690E-01	2.12960E-01	1.39420E-01	7.92990E-01
1.50920E+03	6.60310E-01	2.13020E-01	1.40660E-01	8.00020E-01
1.50930E+03	6.65730E-01	2.13080E-01	1.41850E-01	8.06820E-01
1.50940E+03	6.70960E-01	2.13140E-01	1.43010E-01	8.13380E-01
1.50950E+03	6.76000E-01	2.13200E-01	1.44120E-01	8.19720E-01
1.50960E+03	6.80840E-01	2.13260E-01	1.45200E-01	8.25820E-01
1.50970E+03	6.85490E-01	2.13320E-01	1.46230E-01	8.31700E-01
1.50980E+03	6.89960E-01	2.13380E-01	1.47220E-01	8.37350E-01
1.50990E+03	6.94230E-01	2.13440E-01	1.48180E-01	8.42780E-01
1.51000E+03	6.98320E-01	2.13500E-01	1.49090E-01	8.47980E-01
1.51010E+03	7.02220E-01	2.13580E-01	1.49980E-01	8.53030E-01
1.51020E+03	7.05950E-01	2.13660E-01	1.50830E-01	8.57860E-01
1.51030E+03	7.09490E-01	2.13740E-01	1.51640E-01	8.62480E-01
1.51040E+03	7.12850E-01	2.13840E-01	1.52440E-01	8.67010E-01
1.51050E+03	7.16050E-01	2.13990E-01	1.53230E-01	8.71500E-01
1.51060E+03	7.19070E-01	2.14140E-01	1.53980E-01	8.75800E-01
1.51070E+03	7.21940E-01	2.14290E-01	1.54700E-01	8.79900E-01
1.51080E+03	7.24650E-01	2.14440E-01	1.55390E-01	8.83820E-01
1.51090E+03	7.27210E-01	2.14590E-01	1.56050E-01	8.87560E-01
1.51100E+03	7.29630E-01	2.14740E-01	1.56680E-01	8.91130E-01
1.51110E+03	7.31910E-01	2.14890E-01	1.57280E-01	8.94550E-01
1.51120E+03	7.34070E-01	2.15040E-01	1.57850E-01	8.97820E-01

1.51130E+03	7.36110E-01	2.15190E-01	1.58400E-01	9.00940E-01
1.51140E+03	7.38050E-01	2.15340E-01	1.58930E-01	9.03940E-01
1.51150E+03	7.39880E-01	2.15490E-01	1.59440E-01	9.06810E-01
1.51160E+03	7.41610E-01	2.15640E-01	1.59920E-01	9.09570E-01
1.51170E+03	7.43260E-01	2.15790E-01	1.60390E-01	9.12220E-01
1.51180E+03	7.44820E-01	2.15940E-01	1.60840E-01	9.14770E-01
1.51190E+03	7.46310E-01	2.16090E-01	1.61270E-01	9.17230E-01
1.51200E+03	7.47730E-01	2.16240E-01	1.61690E-01	9.19620E-01
1.51210E+03	7.49080E-01	2.16400E-01	1.62100E-01	9.21990E-01
1.51220E+03	7.50370E-01	2.16570E-01	1.62510E-01	9.24280E-01
1.51230E+03	7.51610E-01	2.16720E-01	1.62890E-01	9.26470E-01
1.51240E+03	7.52780E-01	2.16800E-01	1.63210E-01	9.28250E-01
1.51250E+03	7.53910E-01	2.16880E-01	1.63510E-01	9.29980E-01
1.51260E+03	7.54980E-01	2.16960E-01	1.63800E-01	9.31640E-01
1.51270E+03	7.56010E-01	2.17040E-01	1.64080E-01	9.33250E-01
1.51280E+03	7.56980E-01	2.17120E-01	1.64360E-01	9.34790E-01
1.51290E+03	7.57920E-01	2.17200E-01	1.64620E-01	9.36280E-01
1.51300E+03	7.58800E-01	2.17280E-01	1.64870E-01	9.37710E-01
1.51310E+03	7.59640E-01	2.17350E-01	1.65110E-01	9.39080E-01
1.51320E+03	7.60440E-01	2.17430E-01	1.65340E-01	9.40410E-01
1.51330E+03	7.61200E-01	2.17510E-01	1.65570E-01	9.41690E-01
1.51340E+03	7.61930E-01	2.17580E-01	1.65780E-01	9.42920E-01
1.51350E+03	7.62620E-01	2.17660E-01	1.65990E-01	9.44110E-01
1.51360E+03	7.63280E-01	2.17740E-01	1.66200E-01	9.45260E-01
1.51370E+03	7.63910E-01	2.17820E-01	1.66390E-01	9.46370E-01
1.51380E+03	7.64520E-01	2.17890E-01	1.66580E-01	9.47460E-01
1.51390E+03	7.65100E-01	2.17970E-01	1.66770E-01	9.48520E-01
1.51400E+03	7.65670E-01	2.18050E-01	1.66950E-01	9.49560E-01
1.51410E+03	7.66220E-01	2.18120E-01	1.67130E-01	9.50560E-01
1.51420E+03	7.66760E-01	2.18190E-01	1.67300E-01	9.51560E-01
1.51430E+03	7.67290E-01	2.18140E-01	1.67370E-01	9.51960E-01
1.51440E+03	7.67810E-01	2.18040E-01	1.67420E-01	9.52200E-01
1.51450E+03	7.68330E-01	2.17950E-01	1.67460E-01	9.52440E-01
1.51460E+03	7.68840E-01	2.17860E-01	1.67500E-01	9.52670E-01
1.51470E+03	7.69340E-01	2.17770E-01	1.67540E-01	9.52890E-01
1.51480E+03	7.69830E-01	2.17680E-01	1.67570E-01	9.53100E-01
1.51490E+03	7.70320E-01	2.17580E-01	1.67610E-01	9.53300E-01
1.51500E+03	7.70790E-01	2.17490E-01	1.67640E-01	9.53480E-01
1.51510E+03	7.71250E-01	2.17400E-01	1.67670E-01	9.53630E-01
1.51520E+03	7.71690E-01	2.17300E-01	1.67690E-01	9.53760E-01
1.51530E+03	7.72110E-01	2.17210E-01	1.67710E-01	9.53860E-01
1.51540E+03	7.72500E-01	2.17110E-01	1.67720E-01	9.53930E-01
1.51550E+03	7.72860E-01	2.17020E-01	1.67730E-01	9.53960E-01

1.51560E+03	7.73190E-01	2.16920E-01	1.67720E-01	9.53950E-01
1.51570E+03	7.73490E-01	2.16830E-01	1.67720E-01	9.53900E-01
1.51580E+03	7.73750E-01	2.16730E-01	1.67700E-01	9.53800E-01
1.51590E+03	7.73980E-01	2.16640E-01	1.67670E-01	9.53660E-01
1.51600E+03	7.74170E-01	2.16540E-01	1.67640E-01	9.53470E-01
1.51610E+03	7.74320E-01	2.16490E-01	1.67630E-01	9.53440E-01
1.51620E+03	7.74440E-01	2.16400E-01	1.67590E-01	9.53160E-01
1.51630E+03	7.74530E-01	2.16260E-01	1.67500E-01	9.52650E-01
1.51640E+03	7.74590E-01	2.16120E-01	1.67400E-01	9.52120E-01
1.51650E+03	7.74640E-01	2.15980E-01	1.67300E-01	9.51550E-01
1.51660E+03	7.74670E-01	2.15840E-01	1.67200E-01	9.50980E-01
1.51670E+03	7.74700E-01	2.15700E-01	1.67100E-01	9.50390E-01
1.51680E+03	7.74730E-01	2.15550E-01	1.67000E-01	9.49810E-01
1.51690E+03	7.74770E-01	2.15410E-01	1.66900E-01	9.49240E-01
1.51700E+03	7.74830E-01	2.15270E-01	1.66800E-01	9.48700E-01
1.51710E+03	7.74910E-01	2.15130E-01	1.66710E-01	9.48190E-01
1.51720E+03	7.75040E-01	2.15000E-01	1.66630E-01	9.47720E-01
1.51730E+03	7.75190E-01	2.14860E-01	1.66550E-01	9.47300E-01
1.51740E+03	7.75390E-01	2.14720E-01	1.66490E-01	9.46930E-01
1.51750E+03	7.75640E-01	2.14580E-01	1.66430E-01	9.46610E-01
1.51760E+03	7.75930E-01	2.14440E-01	1.66390E-01	9.46360E-01
1.51770E+03	7.76270E-01	2.14300E-01	1.66350E-01	9.46150E-01
1.51780E+03	7.76650E-01	2.14160E-01	1.66330E-01	9.46000E-01
1.51790E+03	7.77070E-01	2.14020E-01	1.66310E-01	9.45890E-01
1.51800E+03	7.77520E-01	2.13880E-01	1.66300E-01	9.45820E-01
1.51810E+03	7.78000E-01	2.13770E-01	1.66320E-01	9.45940E-01
1.51820E+03	7.78480E-01	2.13690E-01	1.66360E-01	9.46170E-01
1.51830E+03	7.78960E-01	2.13610E-01	1.66400E-01	9.46400E-01
1.51840E+03	7.79430E-01	2.13530E-01	1.66430E-01	9.46610E-01
1.51850E+03	7.79880E-01	2.13450E-01	1.66470E-01	9.46800E-01
1.51860E+03	7.80290E-01	2.13370E-01	1.66490E-01	9.46930E-01
1.51870E+03	7.80640E-01	2.13290E-01	1.66500E-01	9.47000E-01
1.51880E+03	7.80930E-01	2.13210E-01	1.66500E-01	9.47000E-01
1.51890E+03	7.81150E-01	2.13130E-01	1.66480E-01	9.46900E-01
1.51900E+03	7.81280E-01	2.13050E-01	1.66450E-01	9.46700E-01
1.51910E+03	7.81320E-01	2.12960E-01	1.66390E-01	9.46380E-01
1.51920E+03	7.81260E-01	2.12880E-01	1.66320E-01	9.45950E-01
1.51930E+03	7.81100E-01	2.12800E-01	1.66220E-01	9.45390E-01
1.51940E+03	7.80830E-01	2.12720E-01	1.66100E-01	9.44710E-01
1.51950E+03	7.80470E-01	2.12640E-01	1.65960E-01	9.43910E-01
1.51960E+03	7.80020E-01	2.12560E-01	1.65800E-01	9.43000E-01
1.51970E+03	7.79480E-01	2.12480E-01	1.65620E-01	9.41990E-01
1.51980E+03	7.78860E-01	2.12400E-01	1.65430E-01	9.40890E-01

1.51990E+03	7.78190E-01	2.12320E-01	1.65220E-01	9.39720E-01
1.52000E+03	7.77470E-01	2.12230E-01	1.65010E-01	9.38490E-01
1.52010E+03	7.76710E-01	2.12260E-01	1.64870E-01	9.37700E-01
1.52020E+03	7.75950E-01	2.12290E-01	1.64730E-01	9.36900E-01
1.52030E+03	7.75180E-01	2.12320E-01	1.64590E-01	9.36110E-01
1.52040E+03	7.74440E-01	2.12350E-01	1.64450E-01	9.35340E-01
1.52050E+03	7.73740E-01	2.12380E-01	1.64320E-01	9.34610E-01
1.52060E+03	7.73090E-01	2.12410E-01	1.64210E-01	9.33960E-01
1.52070E+03	7.72500E-01	2.12440E-01	1.64110E-01	9.33380E-01
1.52080E+03	7.72000E-01	2.12460E-01	1.64020E-01	9.32900E-01
1.52090E+03	7.71590E-01	2.12490E-01	1.63960E-01	9.32530E-01
1.52100E+03	7.71270E-01	2.12520E-01	1.63910E-01	9.32270E-01
1.52110E+03	7.71050E-01	2.12550E-01	1.63890E-01	9.32130E-01
1.52120E+03	7.70940E-01	2.12580E-01	1.63880E-01	9.32110E-01
1.52130E+03	7.70920E-01	2.12610E-01	1.63900E-01	9.32210E-01
1.52140E+03	7.71000E-01	2.12630E-01	1.63940E-01	9.32430E-01
1.52150E+03	7.71170E-01	2.12660E-01	1.64000E-01	9.32750E-01
1.52160E+03	7.71410E-01	2.12690E-01	1.64070E-01	9.33170E-01
1.52170E+03	7.71720E-01	2.12720E-01	1.64160E-01	9.33670E-01
1.52180E+03	7.72080E-01	2.12750E-01	1.64260E-01	9.34230E-01
1.52190E+03	7.72470E-01	2.12780E-01	1.64360E-01	9.34830E-01
1.52200E+03	7.72890E-01	2.12870E-01	1.64530E-01	9.35770E-01
1.52210E+03	7.73310E-01	2.13020E-01	1.64730E-01	9.36910E-01
1.52220E+03	7.73710E-01	2.13160E-01	1.64930E-01	9.38050E-01
1.52230E+03	7.74090E-01	2.13310E-01	1.65120E-01	9.39150E-01
1.52240E+03	7.74430E-01	2.13450E-01	1.65310E-01	9.40200E-01
1.52250E+03	7.74720E-01	2.13600E-01	1.65480E-01	9.41190E-01
1.52260E+03	7.74950E-01	2.13740E-01	1.65640E-01	9.42100E-01
1.52270E+03	7.75100E-01	2.13890E-01	1.65790E-01	9.42930E-01
1.52280E+03	7.75180E-01	2.14040E-01	1.65910E-01	9.43660E-01
1.52290E+03	7.75170E-01	2.14180E-01	1.66030E-01	9.44300E-01
1.52300E+03	7.75090E-01	2.14330E-01	1.66120E-01	9.44830E-01
1.52310E+03	7.74920E-01	2.14470E-01	1.66200E-01	9.45280E-01
1.52320E+03	7.74680E-01	2.14620E-01	1.66260E-01	9.45630E-01
1.52330E+03	7.74370E-01	2.14770E-01	1.66310E-01	9.45900E-01
1.52340E+03	7.73990E-01	2.14910E-01	1.66340E-01	9.46090E-01
1.52350E+03	7.73560E-01	2.15060E-01	1.66360E-01	9.46210E-01
1.52360E+03	7.73090E-01	2.15210E-01	1.66380E-01	9.46280E-01
1.52370E+03	7.72580E-01	2.15350E-01	1.66380E-01	9.46300E-01
1.52380E+03	7.72060E-01	2.15500E-01	1.66380E-01	9.46300E-01
1.52390E+03	7.71510E-01	2.15680E-01	1.66400E-01	9.46400E-01
1.52400E+03	7.70970E-01	2.15890E-01	1.66440E-01	9.46670E-01
1.52410E+03	7.70430E-01	2.16100E-01	1.66490E-01	9.46930E-01

1.52420E+03	7.69900E-01	2.16310E-01	1.66540E-01	9.47210E-01
1.52430E+03	7.69400E-01	2.16520E-01	1.66590E-01	9.47520E-01
1.52440E+03	7.68930E-01	2.16730E-01	1.66650E-01	9.47860E-01
1.52450E+03	7.68480E-01	2.16950E-01	1.66720E-01	9.48230E-01
1.52460E+03	7.68070E-01	2.17160E-01	1.66790E-01	9.48640E-01
1.52470E+03	7.67700E-01	2.17370E-01	1.66870E-01	9.49100E-01
1.52480E+03	7.67360E-01	2.17580E-01	1.66960E-01	9.49600E-01
1.52490E+03	7.67050E-01	2.17790E-01	1.67050E-01	9.50140E-01
1.52500E+03	7.66770E-01	2.18000E-01	1.67160E-01	9.50720E-01
1.52510E+03	7.66530E-01	2.18210E-01	1.67260E-01	9.51340E-01
1.52520E+03	7.66310E-01	2.18420E-01	1.67380E-01	9.51980E-01
1.52530E+03	7.66120E-01	2.18630E-01	1.67500E-01	9.52660E-01
1.52540E+03	7.65940E-01	2.18840E-01	1.67620E-01	9.53360E-01
1.52550E+03	7.65790E-01	2.19050E-01	1.67750E-01	9.54080E-01
1.52560E+03	7.65650E-01	2.19260E-01	1.67880E-01	9.54820E-01
1.52570E+03	7.65520E-01	2.19470E-01	1.68010E-01	9.55580E-01
1.52580E+03	7.65410E-01	2.19680E-01	1.68150E-01	9.56350E-01
1.52590E+03	7.65310E-01	2.19890E-01	1.68280E-01	9.57130E-01
1.52600E+03	7.65230E-01	2.20100E-01	1.68420E-01	9.57930E-01
1.52610E+03	7.65160E-01	2.20310E-01	1.68570E-01	9.58750E-01
1.52620E+03	7.65110E-01	2.20520E-01	1.68720E-01	9.59600E-01
1.52630E+03	7.65070E-01	2.20730E-01	1.68870E-01	9.60480E-01
1.52640E+03	7.65060E-01	2.20940E-01	1.69030E-01	9.61370E-01
1.52650E+03	7.65080E-01	2.21150E-01	1.69190E-01	9.62300E-01
1.52660E+03	7.65120E-01	2.21350E-01	1.69360E-01	9.63270E-01
1.52670E+03	7.65190E-01	2.21560E-01	1.69540E-01	9.64270E-01
1.52680E+03	7.65290E-01	2.21770E-01	1.69720E-01	9.65300E-01
1.52690E+03	7.65420E-01	2.21980E-01	1.69910E-01	9.66380E-01
1.52700E+03	7.65580E-01	2.22190E-01	1.70110E-01	9.67490E-01
1.52710E+03	7.65770E-01	2.22400E-01	1.70310E-01	9.68630E-01
1.52720E+03	7.65990E-01	2.22600E-01	1.70510E-01	9.69800E-01
1.52730E+03	7.66230E-01	2.22810E-01	1.70720E-01	9.71010E-01
1.52740E+03	7.66490E-01	2.23010E-01	1.70940E-01	9.72230E-01
1.52750E+03	7.66770E-01	2.23220E-01	1.71160E-01	9.73470E-01
1.52760E+03	7.67050E-01	2.23420E-01	1.71380E-01	9.74720E-01
1.52770E+03	7.67330E-01	2.23630E-01	1.71600E-01	9.75970E-01
1.52780E+03	7.67600E-01	2.23790E-01	1.71780E-01	9.77030E-01
1.52790E+03	7.67860E-01	2.23940E-01	1.71960E-01	9.78030E-01
1.52800E+03	7.68110E-01	2.24100E-01	1.72130E-01	9.79000E-01
1.52810E+03	7.68320E-01	2.24200E-01	1.72250E-01	9.79710E-01
1.52820E+03	7.68510E-01	2.24300E-01	1.72370E-01	9.80390E-01
1.52830E+03	7.68660E-01	2.24400E-01	1.72480E-01	9.81010E-01
1.52840E+03	7.68770E-01	2.24490E-01	1.72580E-01	9.81590E-01

1.52850E+03	7.68840E-01	2.24590E-01	1.72680E-01	9.82120E-01
1.52860E+03	7.68880E-01	2.24690E-01	1.72760E-01	9.82600E-01
1.52870E+03	7.68880E-01	2.24790E-01	1.72840E-01	9.83030E-01
1.52880E+03	7.68850E-01	2.24890E-01	1.72910E-01	9.83420E-01
1.52890E+03	7.68800E-01	2.24980E-01	1.72970E-01	9.83780E-01
1.52900E+03	7.68730E-01	2.25080E-01	1.73030E-01	9.84110E-01
1.52910E+03	7.68660E-01	2.25170E-01	1.73080E-01	9.84430E-01
1.52920E+03	7.68580E-01	2.25270E-01	1.73140E-01	9.84740E-01
1.52930E+03	7.68520E-01	2.25360E-01	1.73200E-01	9.85070E-01
1.52940E+03	7.68480E-01	2.25460E-01	1.73260E-01	9.85430E-01
1.52950E+03	7.68470E-01	2.25550E-01	1.73330E-01	9.85820E-01
1.52960E+03	7.68500E-01	2.25640E-01	1.73410E-01	9.86270E-01
1.52970E+03	7.68590E-01	2.25690E-01	1.73460E-01	9.86580E-01
1.52980E+03	7.68730E-01	2.25690E-01	1.73490E-01	9.86760E-01
1.52990E+03	7.68940E-01	2.25690E-01	1.73540E-01	9.87030E-01
1.53000E+03	7.69220E-01	2.25690E-01	1.73600E-01	9.87380E-01
1.53010E+03	7.69570E-01	2.25700E-01	1.73690E-01	9.87890E-01
1.53020E+03	7.69990E-01	2.25710E-01	1.73800E-01	9.88490E-01
1.53030E+03	7.70470E-01	2.25730E-01	1.73920E-01	9.89180E-01
1.53040E+03	7.71020E-01	2.25740E-01	1.74050E-01	9.89950E-01
1.53050E+03	7.71620E-01	2.25760E-01	1.74200E-01	9.90780E-01
1.53060E+03	7.72270E-01	2.25770E-01	1.74360E-01	9.91670E-01
1.53070E+03	7.72950E-01	2.25780E-01	1.74520E-01	9.92600E-01
1.53080E+03	7.73650E-01	2.25800E-01	1.74690E-01	9.93550E-01
1.53090E+03	7.74360E-01	2.25810E-01	1.74860E-01	9.94520E-01
1.53100E+03	7.75070E-01	2.25820E-01	1.75020E-01	9.95470E-01
1.53110E+03	7.75750E-01	2.25830E-01	1.75190E-01	9.96400E-01
1.53120E+03	7.76410E-01	2.25840E-01	1.75340E-01	9.97290E-01
1.53130E+03	7.77020E-01	2.25850E-01	1.75490E-01	9.98120E-01
1.53140E+03	7.77580E-01	2.25860E-01	1.75620E-01	9.98880E-01
1.53150E+03	7.78070E-01	2.25870E-01	1.75740E-01	9.99550E-01
1.53160E+03	7.78490E-01	2.25850E-01	1.75820E-01	1.00000E+00
1.53170E+03	7.78830E-01	2.25720E-01	1.75790E-01	9.99850E-01
1.53180E+03	7.79100E-01	2.25580E-01	1.75750E-01	9.99600E-01
1.53190E+03	7.79290E-01	2.25450E-01	1.75690E-01	9.99240E-01
1.53200E+03	7.79400E-01	2.25310E-01	1.75610E-01	9.98790E-01
1.53210E+03	7.79450E-01	2.25180E-01	1.75510E-01	9.98260E-01
1.53220E+03	7.79430E-01	2.25040E-01	1.75410E-01	9.97640E-01
1.53230E+03	7.79360E-01	2.24910E-01	1.75290E-01	9.96960E-01
1.53240E+03	7.79250E-01	2.24770E-01	1.75160E-01	9.96220E-01
1.53250E+03	7.79120E-01	2.24640E-01	1.75020E-01	9.95450E-01
1.53260E+03	7.78970E-01	2.24500E-01	1.74880E-01	9.94650E-01
1.53270E+03	7.78820E-01	2.24370E-01	1.74740E-01	9.93860E-01

1.53280E+03	7.78680E-01	2.24230E-01	1.74600E-01	9.93080E-01
1.53290E+03	7.78570E-01	2.24100E-01	1.74470E-01	9.92340E-01
1.53300E+03	7.78500E-01	2.23960E-01	1.74350E-01	9.91640E-01
1.53310E+03	7.78470E-01	2.23820E-01	1.74240E-01	9.91000E-01
1.53320E+03	7.78510E-01	2.23680E-01	1.74140E-01	9.90440E-01
1.53330E+03	7.78610E-01	2.23540E-01	1.74050E-01	9.89950E-01
1.53340E+03	7.78780E-01	2.23410E-01	1.73980E-01	9.89560E-01
1.53350E+03	7.79030E-01	2.23270E-01	1.73930E-01	9.89260E-01
1.53360E+03	7.79340E-01	2.23010E-01	1.73800E-01	9.88530E-01
1.53370E+03	7.79730E-01	2.22750E-01	1.73680E-01	9.87840E-01
1.53380E+03	7.80190E-01	2.22480E-01	1.73570E-01	9.87230E-01
1.53390E+03	7.80710E-01	2.22210E-01	1.73480E-01	9.86700E-01
1.53400E+03	7.81290E-01	2.21940E-01	1.73400E-01	9.86230E-01
1.53410E+03	7.81920E-01	2.21610E-01	1.73280E-01	9.85560E-01
1.53420E+03	7.82580E-01	2.21280E-01	1.73170E-01	9.84930E-01
1.53430E+03	7.83270E-01	2.20960E-01	1.73070E-01	9.84340E-01
1.53440E+03	7.83980E-01	2.20630E-01	1.72970E-01	9.83770E-01
1.53450E+03	7.84700E-01	2.20300E-01	1.72870E-01	9.83220E-01
1.53460E+03	7.85420E-01	2.19970E-01	1.72770E-01	9.82660E-01
1.53470E+03	7.86130E-01	2.19650E-01	1.72670E-01	9.82090E-01
1.53480E+03	7.86830E-01	2.19320E-01	1.72570E-01	9.81490E-01
1.53490E+03	7.87510E-01	2.18990E-01	1.72460E-01	9.80870E-01
1.53500E+03	7.88160E-01	2.18660E-01	1.72340E-01	9.80220E-01
1.53510E+03	7.88780E-01	2.18340E-01	1.72220E-01	9.79520E-01
1.53520E+03	7.89370E-01	2.18010E-01	1.72090E-01	9.78790E-01
1.53530E+03	7.89920E-01	2.17690E-01	1.71950E-01	9.78010E-01
1.53540E+03	7.90440E-01	2.17360E-01	1.71810E-01	9.77190E-01
1.53550E+03	7.90930E-01	2.17020E-01	1.71650E-01	9.76260E-01
1.53560E+03	7.91380E-01	2.16670E-01	1.71470E-01	9.75260E-01
1.53570E+03	7.91800E-01	2.16330E-01	1.71290E-01	9.74210E-01
1.53580E+03	7.92190E-01	2.15980E-01	1.71100E-01	9.73130E-01
1.53590E+03	7.92550E-01	2.15630E-01	1.70900E-01	9.72010E-01
1.53600E+03	7.92870E-01	2.15290E-01	1.70690E-01	9.70850E-01
1.53610E+03	7.93160E-01	2.14920E-01	1.70460E-01	9.69530E-01
1.53620E+03	7.93420E-01	2.14550E-01	1.70220E-01	9.68170E-01
1.53630E+03	7.93640E-01	2.14170E-01	1.69980E-01	9.66770E-01
1.53640E+03	7.93820E-01	2.13810E-01	1.69720E-01	9.65320E-01
1.53650E+03	7.93960E-01	2.13440E-01	1.69460E-01	9.63820E-01
1.53660E+03	7.94050E-01	2.13070E-01	1.69190E-01	9.62260E-01
1.53670E+03	7.94090E-01	2.12700E-01	1.68900E-01	9.60640E-01
1.53680E+03	7.94060E-01	2.12330E-01	1.68600E-01	9.58950E-01
1.53690E+03	7.93970E-01	2.11960E-01	1.68290E-01	9.57180E-01
1.53700E+03	7.93810E-01	2.11600E-01	1.67970E-01	9.55340E-01

1.53710E+03	7.93580E-01	2.11230E-01	1.67630E-01	9.53410E-01
1.53720E+03	7.93270E-01	2.10870E-01	1.67270E-01	9.51390E-01
1.53730E+03	7.92880E-01	2.10500E-01	1.66900E-01	9.49270E-01
1.53740E+03	7.92410E-01	2.10180E-01	1.66550E-01	9.47240E-01
1.53750E+03	7.91860E-01	2.09910E-01	1.66220E-01	9.45390E-01
1.53760E+03	7.91230E-01	2.09650E-01	1.65880E-01	9.43460E-01
1.53770E+03	7.90530E-01	2.09380E-01	1.65520E-01	9.41440E-01
1.53780E+03	7.89770E-01	2.09120E-01	1.65160E-01	9.39350E-01
1.53790E+03	7.88960E-01	2.08860E-01	1.64780E-01	9.37210E-01
1.53800E+03	7.88110E-01	2.08600E-01	1.64400E-01	9.35040E-01
1.53810E+03	7.87220E-01	2.08390E-01	1.64050E-01	9.33030E-01
1.53820E+03	7.86320E-01	2.08170E-01	1.63690E-01	9.31010E-01
1.53830E+03	7.85430E-01	2.07960E-01	1.63330E-01	9.28990E-01
1.53840E+03	7.84550E-01	2.07740E-01	1.62980E-01	9.26990E-01
1.53850E+03	7.83700E-01	2.07530E-01	1.62640E-01	9.25040E-01
1.53860E+03	7.82900E-01	2.07320E-01	1.62310E-01	9.23150E-01
1.53870E+03	7.82160E-01	2.07110E-01	1.61990E-01	9.21340E-01
1.53880E+03	7.81500E-01	2.06890E-01	1.61690E-01	9.19610E-01
1.53890E+03	7.80920E-01	2.06680E-01	1.61400E-01	9.17990E-01
1.53900E+03	7.80450E-01	2.06470E-01	1.61140E-01	9.16490E-01
1.53910E+03	7.80070E-01	2.06260E-01	1.60900E-01	9.15110E-01
1.53920E+03	7.79800E-01	2.06050E-01	1.60670E-01	9.13860E-01
1.53930E+03	7.79630E-01	2.05850E-01	1.60490E-01	9.12790E-01
1.53940E+03	7.79560E-01	2.05780E-01	1.60420E-01	9.12420E-01
1.53950E+03	7.79600E-01	2.05720E-01	1.60380E-01	9.12160E-01
1.53960E+03	7.79720E-01	2.05650E-01	1.60350E-01	9.12010E-01
1.53970E+03	7.79920E-01	2.05590E-01	1.60340E-01	9.11950E-01
1.53980E+03	7.80180E-01	2.05520E-01	1.60340E-01	9.11970E-01
1.53990E+03	7.80490E-01	2.05450E-01	1.60360E-01	9.12040E-01
1.54000E+03	7.80830E-01	2.05390E-01	1.60370E-01	9.12150E-01
1.54010E+03	7.81190E-01	2.05320E-01	1.60390E-01	9.12240E-01
1.54020E+03	7.81540E-01	2.05250E-01	1.60410E-01	9.12330E-01
1.54030E+03	7.81870E-01	2.05170E-01	1.60420E-01	9.12400E-01
1.54040E+03	7.82160E-01	2.05100E-01	1.60420E-01	9.12430E-01
1.54050E+03	7.82400E-01	2.05030E-01	1.60420E-01	9.12390E-01
1.54060E+03	7.82570E-01	2.04960E-01	1.60400E-01	9.12270E-01
1.54070E+03	7.82660E-01	2.04890E-01	1.60360E-01	9.12070E-01
1.54080E+03	7.82660E-01	2.04820E-01	1.60310E-01	9.11760E-01
1.54090E+03	7.82570E-01	2.04750E-01	1.60230E-01	9.11340E-01
1.54100E+03	7.82380E-01	2.04680E-01	1.60140E-01	9.10810E-01
1.54110E+03	7.82100E-01	2.04610E-01	1.60030E-01	9.10170E-01
1.54120E+03	7.81720E-01	2.04540E-01	1.59900E-01	9.09420E-01
1.54130E+03	7.81250E-01	2.04600E-01	1.59840E-01	9.09130E-01

1.54140E+03	7.80700E-01	2.04690E-01	1.59800E-01	9.08880E-01
1.54150E+03	7.80070E-01	2.04780E-01	1.59740E-01	9.08540E-01
1.54160E+03	7.79380E-01	2.04860E-01	1.59670E-01	9.08120E-01
1.54170E+03	7.78630E-01	2.04950E-01	1.59580E-01	9.07650E-01
1.54180E+03	7.77850E-01	2.05040E-01	1.59490E-01	9.07120E-01
1.54190E+03	7.77030E-01	2.05130E-01	1.59390E-01	9.06570E-01
1.54200E+03	7.76200E-01	2.05220E-01	1.59290E-01	9.05990E-01
1.54210E+03	7.75360E-01	2.05320E-01	1.59200E-01	9.05470E-01
1.54220E+03	7.74530E-01	2.05420E-01	1.59110E-01	9.04940E-01
1.54230E+03	7.73700E-01	2.05530E-01	1.59020E-01	9.04430E-01
1.54240E+03	7.72890E-01	2.05630E-01	1.58930E-01	9.03930E-01
1.54250E+03	7.72100E-01	2.05730E-01	1.58850E-01	9.03460E-01
1.54260E+03	7.71330E-01	2.05840E-01	1.58770E-01	9.03000E-01
1.54270E+03	7.70570E-01	2.05940E-01	1.58690E-01	9.02570E-01
1.54280E+03	7.69840E-01	2.06040E-01	1.58620E-01	9.02160E-01
1.54290E+03	7.69110E-01	2.06140E-01	1.58550E-01	9.01760E-01
1.54300E+03	7.68400E-01	2.06250E-01	1.58480E-01	9.01370E-01
1.54310E+03	7.67670E-01	2.06350E-01	1.58410E-01	9.00970E-01
1.54320E+03	7.66940E-01	2.06520E-01	1.58390E-01	9.00840E-01
1.54330E+03	7.66190E-01	2.06740E-01	1.58410E-01	9.00960E-01
1.54340E+03	7.65420E-01	2.06970E-01	1.58420E-01	9.01040E-01
1.54350E+03	7.64600E-01	2.07200E-01	1.58430E-01	9.01080E-01
1.54360E+03	7.63740E-01	2.07430E-01	1.58420E-01	9.01060E-01
1.54370E+03	7.62830E-01	2.07660E-01	1.58410E-01	9.00970E-01
1.54380E+03	7.61860E-01	2.07890E-01	1.58380E-01	9.00820E-01
1.54390E+03	7.60830E-01	2.08120E-01	1.58340E-01	9.00590E-01
1.54400E+03	7.59730E-01	2.08350E-01	1.58290E-01	9.00280E-01
1.54410E+03	7.58570E-01	2.08530E-01	1.58180E-01	8.99670E-01
1.54420E+03	7.57340E-01	2.08700E-01	1.58060E-01	8.98990E-01
1.54430E+03	7.56050E-01	2.08880E-01	1.57930E-01	8.98220E-01
1.54440E+03	7.54700E-01	2.09060E-01	1.57780E-01	8.97390E-01
1.54450E+03	7.53300E-01	2.09240E-01	1.57620E-01	8.96480E-01
1.54460E+03	7.51850E-01	2.09420E-01	1.57450E-01	8.95520E-01
1.54470E+03	7.50370E-01	2.09590E-01	1.57270E-01	8.94500E-01
1.54480E+03	7.48850E-01	2.09770E-01	1.57090E-01	8.93450E-01
1.54490E+03	7.47310E-01	2.09950E-01	1.56890E-01	8.92360E-01
1.54500E+03	7.45750E-01	2.10120E-01	1.56700E-01	8.91250E-01
1.54510E+03	7.44180E-01	2.10310E-01	1.56500E-01	8.90140E-01
1.54520E+03	7.42600E-01	2.10510E-01	1.56330E-01	8.89130E-01
1.54530E+03	7.41030E-01	2.10720E-01	1.56150E-01	8.88130E-01
1.54540E+03	7.39470E-01	2.10930E-01	1.55970E-01	8.87120E-01
1.54550E+03	7.37910E-01	2.11130E-01	1.55800E-01	8.86120E-01
1.54560E+03	7.36360E-01	2.11340E-01	1.55620E-01	8.85120E-01

1.54570E+03	7.34820E-01	2.11550E-01	1.55450E-01	8.84130E-01
1.54580E+03	7.33280E-01	2.11750E-01	1.55270E-01	8.83140E-01
1.54590E+03	7.31750E-01	2.11960E-01	1.55100E-01	8.82150E-01
1.54600E+03	7.30220E-01	2.12160E-01	1.54930E-01	8.81150E-01
1.54610E+03	7.28680E-01	2.12350E-01	1.54730E-01	8.80060E-01
1.54620E+03	7.27140E-01	2.12530E-01	1.54540E-01	8.78960E-01
1.54630E+03	7.25570E-01	2.12710E-01	1.54340E-01	8.77830E-01
1.54640E+03	7.23990E-01	2.12900E-01	1.54140E-01	8.76660E-01
1.54650E+03	7.22380E-01	2.13080E-01	1.53930E-01	8.75470E-01
1.54660E+03	7.20750E-01	2.13260E-01	1.53710E-01	8.74230E-01
1.54670E+03	7.19080E-01	2.13440E-01	1.53480E-01	8.72940E-01
1.54680E+03	7.17370E-01	2.13620E-01	1.53250E-01	8.71610E-01
1.54690E+03	7.15620E-01	2.13800E-01	1.53000E-01	8.70220E-01
1.54700E+03	7.13840E-01	2.13980E-01	1.52750E-01	8.68780E-01
1.54710E+03	7.12010E-01	2.14060E-01	1.52410E-01	8.66880E-01
1.54720E+03	7.10150E-01	2.14130E-01	1.52060E-01	8.64880E-01
1.54730E+03	7.08260E-01	2.14190E-01	1.51700E-01	8.62840E-01
1.54740E+03	7.06330E-01	2.14260E-01	1.51340E-01	8.60750E-01
1.54750E+03	7.04380E-01	2.14320E-01	1.50970E-01	8.58630E-01
1.54760E+03	7.02400E-01	2.14390E-01	1.50590E-01	8.56480E-01
1.54770E+03	7.00400E-01	2.14450E-01	1.50200E-01	8.54300E-01
1.54780E+03	6.98400E-01	2.14520E-01	1.49820E-01	8.52110E-01
1.54790E+03	6.96380E-01	2.14580E-01	1.49430E-01	8.49900E-01
1.54800E+03	6.94360E-01	2.14650E-01	1.49040E-01	8.47690E-01
1.54810E+03	6.92340E-01	2.14720E-01	1.48660E-01	8.45510E-01
1.54820E+03	6.90320E-01	2.14790E-01	1.48280E-01	8.43340E-01
1.54830E+03	6.88310E-01	2.14870E-01	1.47900E-01	8.41170E-01
1.54840E+03	6.86310E-01	2.14940E-01	1.47520E-01	8.39010E-01
1.54850E+03	6.84320E-01	2.15010E-01	1.47140E-01	8.36860E-01
1.54860E+03	6.82330E-01	2.15090E-01	1.46760E-01	8.34720E-01
1.54870E+03	6.80360E-01	2.15160E-01	1.46390E-01	8.32580E-01
1.54880E+03	6.78400E-01	2.15230E-01	1.46010E-01	8.30460E-01
1.54890E+03	6.76450E-01	2.15300E-01	1.45640E-01	8.28340E-01
1.54900E+03	6.74500E-01	2.15260E-01	1.45190E-01	8.25780E-01
1.54910E+03	6.72560E-01	2.15130E-01	1.44690E-01	8.22930E-01
1.54920E+03	6.70630E-01	2.15000E-01	1.44190E-01	8.20090E-01
1.54930E+03	6.68710E-01	2.14880E-01	1.43690E-01	8.17260E-01
1.54940E+03	6.66800E-01	2.14750E-01	1.43200E-01	8.14440E-01
1.54950E+03	6.64890E-01	2.14620E-01	1.42700E-01	8.11640E-01
1.54960E+03	6.63010E-01	2.14500E-01	1.42210E-01	8.08860E-01
1.54970E+03	6.61140E-01	2.14370E-01	1.41730E-01	8.06100E-01
1.54980E+03	6.59300E-01	2.14240E-01	1.41250E-01	8.03380E-01
1.54990E+03	6.57490E-01	2.14120E-01	1.40780E-01	8.00690E-01

1.55000E+03	6.55710E-01	2.13990E-01	1.40310E-01	7.98060E-01
1.55010E+03	6.53980E-01	2.13850E-01	1.39850E-01	7.95430E-01
1.55020E+03	6.52310E-01	2.13710E-01	1.39400E-01	7.92860E-01
1.55030E+03	6.50690E-01	2.13560E-01	1.38960E-01	7.90380E-01
1.55040E+03	6.49150E-01	2.13420E-01	1.38540E-01	7.87980E-01
1.55050E+03	6.47690E-01	2.13280E-01	1.38140E-01	7.85690E-01
1.55060E+03	6.46320E-01	2.13140E-01	1.37760E-01	7.83500E-01
1.55070E+03	6.45040E-01	2.13000E-01	1.37390E-01	7.81430E-01
1.55080E+03	6.43870E-01	2.12850E-01	1.37050E-01	7.79490E-01
1.55090E+03	6.42800E-01	2.12650E-01	1.36690E-01	7.77460E-01
1.55100E+03	6.41840E-01	2.12320E-01	1.36270E-01	7.75080E-01
1.55110E+03	6.40990E-01	2.11980E-01	1.35880E-01	7.72820E-01
1.55120E+03	6.40260E-01	2.11640E-01	1.35510E-01	7.70710E-01
1.55130E+03	6.39630E-01	2.11310E-01	1.35160E-01	7.68730E-01
1.55140E+03	6.39110E-01	2.10970E-01	1.34830E-01	7.66880E-01
1.55150E+03	6.38700E-01	2.10640E-01	1.34530E-01	7.65170E-01
1.55160E+03	6.38380E-01	2.10300E-01	1.34250E-01	7.63570E-01
1.55170E+03	6.38160E-01	2.09960E-01	1.33990E-01	7.62090E-01
1.55180E+03	6.38020E-01	2.09630E-01	1.33750E-01	7.60710E-01
1.55190E+03	6.37970E-01	2.09290E-01	1.33520E-01	7.59420E-01
1.55200E+03	6.37990E-01	2.08960E-01	1.33310E-01	7.58230E-01
1.55210E+03	6.38080E-01	2.08580E-01	1.33090E-01	7.56970E-01
1.55220E+03	6.38240E-01	2.08210E-01	1.32880E-01	7.55790E-01
1.55230E+03	6.38450E-01	2.07830E-01	1.32690E-01	7.54690E-01
1.55240E+03	6.38730E-01	2.07460E-01	1.32510E-01	7.53650E-01
1.55250E+03	6.39060E-01	2.07080E-01	1.32340E-01	7.52690E-01
1.55260E+03	6.39460E-01	2.06710E-01	1.32180E-01	7.51790E-01
1.55270E+03	6.39920E-01	2.06330E-01	1.32040E-01	7.50970E-01
1.55280E+03	6.40450E-01	2.05950E-01	1.31900E-01	7.50190E-01
1.55290E+03	6.41050E-01	2.05470E-01	1.31720E-01	7.49170E-01
1.55300E+03	6.41740E-01	2.05000E-01	1.31560E-01	7.48240E-01
1.55310E+03	6.42520E-01	2.04530E-01	1.31410E-01	7.47420E-01
1.55320E+03	6.43400E-01	2.04050E-01	1.31290E-01	7.46710E-01
1.55330E+03	6.44390E-01	2.03580E-01	1.31180E-01	7.46120E-01
1.55340E+03	6.45500E-01	2.03110E-01	1.31110E-01	7.45670E-01
1.55350E+03	6.46730E-01	2.02640E-01	1.31050E-01	7.45370E-01
1.55360E+03	6.48100E-01	2.02160E-01	1.31020E-01	7.45210E-01
1.55370E+03	6.49600E-01	2.01690E-01	1.31020E-01	7.45200E-01
1.55380E+03	6.51250E-01	2.01230E-01	1.31050E-01	7.45350E-01
1.55390E+03	6.53030E-01	2.00760E-01	1.31100E-01	7.45650E-01
1.55400E+03	6.54960E-01	2.00290E-01	1.31180E-01	7.46100E-01
1.55410E+03	6.57000E-01	1.99880E-01	1.31320E-01	7.46920E-01
1.55420E+03	6.59170E-01	1.99480E-01	1.31490E-01	7.47880E-01

1.55430E+03	6.61440E-01	1.99080E-01	1.31680E-01	7.48930E-01
1.55440E+03	6.63790E-01	1.98680E-01	1.31880E-01	7.50080E-01
1.55450E+03	6.66210E-01	1.98270E-01	1.32090E-01	7.51290E-01
1.55460E+03	6.68670E-01	1.97870E-01	1.32310E-01	7.52540E-01
1.55470E+03	6.71140E-01	1.97470E-01	1.32530E-01	7.53790E-01
1.55480E+03	6.73600E-01	1.97110E-01	1.32770E-01	7.55170E-01
1.55490E+03	6.76000E-01	1.96770E-01	1.33010E-01	7.56540E-01
1.55500E+03	6.78330E-01	1.96420E-01	1.33240E-01	7.57800E-01
1.55510E+03	6.80540E-01	1.96070E-01	1.33440E-01	7.58940E-01
1.55520E+03	6.82610E-01	1.95730E-01	1.33610E-01	7.59910E-01
1.55530E+03	6.84500E-01	1.95380E-01	1.33740E-01	7.60670E-01
1.55540E+03	6.86190E-01	1.95040E-01	1.33830E-01	7.61200E-01
1.55550E+03	6.87630E-01	1.94700E-01	1.33880E-01	7.61450E-01
1.55560E+03	6.88800E-01	1.94350E-01	1.33870E-01	7.61410E-01
1.55570E+03	6.89690E-01	1.94010E-01	1.33810E-01	7.61040E-01
1.55580E+03	6.90260E-01	1.93670E-01	1.33680E-01	7.60320E-01
1.55590E+03	6.90500E-01	1.93320E-01	1.33490E-01	7.59240E-01
1.55600E+03	6.90400E-01	1.92980E-01	1.33230E-01	7.57780E-01
1.55610E+03	6.89930E-01	1.92660E-01	1.32920E-01	7.56020E-01
1.55620E+03	6.89090E-01	1.92350E-01	1.32540E-01	7.53860E-01
1.55630E+03	6.87880E-01	1.92030E-01	1.32090E-01	7.51290E-01
1.55640E+03	6.86290E-01	1.91710E-01	1.31570E-01	7.48320E-01
1.55650E+03	6.84320E-01	1.91400E-01	1.30980E-01	7.44940E-01
1.55660E+03	6.81960E-01	1.91080E-01	1.30310E-01	7.41140E-01
1.55670E+03	6.79220E-01	1.90850E-01	1.29630E-01	7.37290E-01
1.55680E+03	6.76110E-01	1.90710E-01	1.28940E-01	7.33390E-01
1.55690E+03	6.72630E-01	1.90580E-01	1.28190E-01	7.29080E-01
1.55700E+03	6.68770E-01	1.90440E-01	1.27360E-01	7.24380E-01
1.55710E+03	6.64560E-01	1.90300E-01	1.26470E-01	7.19300E-01
1.55720E+03	6.59980E-01	1.90170E-01	1.25510E-01	7.13830E-01
1.55730E+03	6.55050E-01	1.90030E-01	1.24480E-01	7.07990E-01
1.55740E+03	6.49760E-01	1.89890E-01	1.23390E-01	7.01770E-01
1.55750E+03	6.44130E-01	1.89760E-01	1.22230E-01	6.95190E-01
1.55760E+03	6.38150E-01	1.89620E-01	1.21010E-01	6.88240E-01
1.55770E+03	6.31830E-01	1.89480E-01	1.19720E-01	6.80930E-01
1.55780E+03	6.25170E-01	1.89350E-01	1.18370E-01	6.73270E-01
1.55790E+03	6.18170E-01	1.89210E-01	1.16960E-01	6.65250E-01
1.55800E+03	6.10830E-01	1.89070E-01	1.15490E-01	6.56880E-01
1.55810E+03	6.03170E-01	1.88960E-01	1.13970E-01	6.48240E-01
1.55820E+03	5.95170E-01	1.88850E-01	1.12400E-01	6.39270E-01
1.55830E+03	5.86850E-01	1.88730E-01	1.10760E-01	6.29950E-01
1.55840E+03	5.78220E-01	1.88620E-01	1.09060E-01	6.20310E-01
1.55850E+03	5.69280E-01	1.88510E-01	1.07310E-01	6.10360E-01

1.55860E+03	5.60040E-01	1.88430E-01	1.05530E-01	6.00220E-01
1.55870E+03	5.50530E-01	1.88520E-01	1.03780E-01	5.90280E-01
1.55880E+03	5.40740E-01	1.88600E-01	1.01990E-01	5.80050E-01
1.55890E+03	5.30710E-01	1.88690E-01	1.00140E-01	5.69550E-01
1.55900E+03	5.20440E-01	1.88770E-01	9.82450E-02	5.58780E-01
1.55910E+03	5.09980E-01	1.88850E-01	9.63110E-02	5.47780E-01
1.55920E+03	4.99320E-01	1.88940E-01	9.43400E-02	5.36570E-01
1.55930E+03	4.88510E-01	1.89020E-01	9.23380E-02	5.25180E-01
1.55940E+03	4.77560E-01	1.89100E-01	9.03080E-02	5.13640E-01
1.55950E+03	4.66500E-01	1.89190E-01	8.82560E-02	5.01970E-01
1.55960E+03	4.55370E-01	1.89270E-01	8.61870E-02	4.90200E-01
1.55970E+03	4.44180E-01	1.89350E-01	8.41070E-02	4.78370E-01
1.55980E+03	4.32960E-01	1.89440E-01	8.20190E-02	4.66490E-01
1.55990E+03	4.21750E-01	1.89520E-01	7.99290E-02	4.54600E-01
1.56000E+03	4.10550E-01	1.89600E-01	7.78400E-02	4.42720E-01
1.56010E+03	3.99400E-01	1.89650E-01	7.57470E-02	4.30820E-01
1.56020E+03	3.88310E-01	1.89710E-01	7.36640E-02	4.18970E-01
1.56030E+03	3.77290E-01	1.89760E-01	7.15960E-02	4.07210E-01
1.56040E+03	3.66380E-01	1.89810E-01	6.95450E-02	3.95540E-01
1.56050E+03	3.55580E-01	1.89870E-01	6.75130E-02	3.83990E-01
1.56060E+03	3.44890E-01	1.90030E-01	6.55390E-02	3.72760E-01
1.56070E+03	3.34330E-01	1.90200E-01	6.35900E-02	3.61670E-01
1.56080E+03	3.23910E-01	1.90370E-01	6.16620E-02	3.50710E-01
1.56090E+03	3.13630E-01	1.90540E-01	5.97580E-02	3.39880E-01
1.56100E+03	3.03490E-01	1.90710E-01	5.78770E-02	3.29180E-01
1.56110E+03	2.93490E-01	1.90880E-01	5.60200E-02	3.18620E-01
1.56120E+03	2.83630E-01	1.91050E-01	5.41870E-02	3.08190E-01
1.56130E+03	2.73920E-01	1.91220E-01	5.23790E-02	2.97910E-01
1.56140E+03	2.64360E-01	1.91390E-01	5.05950E-02	2.87760E-01
1.56150E+03	2.54950E-01	1.91560E-01	4.88360E-02	2.77760E-01
1.56160E+03	2.45680E-01	1.91720E-01	4.71020E-02	2.67900E-01
1.56170E+03	2.36560E-01	1.91890E-01	4.53940E-02	2.58180E-01
1.56180E+03	2.27600E-01	1.92060E-01	4.37130E-02	2.48620E-01
1.56190E+03	2.18790E-01	1.92230E-01	4.20590E-02	2.39210E-01
1.56200E+03	2.10150E-01	1.92400E-01	4.04330E-02	2.29970E-01
1.56210E+03	2.01690E-01	1.92580E-01	3.88410E-02	2.20910E-01
1.56220E+03	1.93400E-01	1.92760E-01	3.72800E-02	2.12030E-01
1.56230E+03	1.85300E-01	1.92950E-01	3.57520E-02	2.03350E-01
1.56240E+03	1.77400E-01	1.93130E-01	3.42600E-02	1.94860E-01
1.56250E+03	1.69700E-01	1.93340E-01	3.28110E-02	1.86610E-01
1.56260E+03	1.62230E-01	1.93580E-01	3.14030E-02	1.78610E-01
1.56270E+03	1.54980E-01	1.93810E-01	3.00370E-02	1.70840E-01
1.56280E+03	1.47970E-01	1.94040E-01	2.87130E-02	1.63310E-01

1.56290E+03	1.41220E-01	1.94280E-01	2.74350E-02	1.56040E-01
1.56300E+03	1.34710E-01	1.94510E-01	2.62030E-02	1.49030E-01
1.56310E+03	1.28470E-01	1.94740E-01	2.50180E-02	1.42300E-01
1.56320E+03	1.22500E-01	1.94970E-01	2.38830E-02	1.35840E-01
1.56330E+03	1.16790E-01	1.95200E-01	2.27980E-02	1.29670E-01
1.56340E+03	1.11360E-01	1.95440E-01	2.17630E-02	1.23780E-01
1.56350E+03	1.06190E-01	1.95670E-01	2.07780E-02	1.18180E-01
1.56360E+03	1.01290E-01	1.95900E-01	1.98420E-02	1.12860E-01
1.56370E+03	9.66480E-02	1.96130E-01	1.89560E-02	1.07810E-01
1.56380E+03	9.22590E-02	1.96360E-01	1.81160E-02	1.03040E-01
1.56390E+03	8.81130E-02	1.96590E-01	1.73220E-02	9.85230E-02
1.56400E+03	8.41980E-02	1.96830E-01	1.65720E-02	9.42580E-02
1.56410E+03	8.05040E-02	1.97070E-01	1.58650E-02	9.02320E-02
1.56420E+03	7.70160E-02	1.97310E-01	1.51960E-02	8.64280E-02
1.56430E+03	7.37210E-02	1.97550E-01	1.45630E-02	8.28310E-02
1.56440E+03	7.06050E-02	1.97780E-01	1.39640E-02	7.94210E-02
1.56450E+03	6.76530E-02	1.97980E-01	1.33940E-02	7.61780E-02
1.56460E+03	6.48520E-02	1.98180E-01	1.28520E-02	7.30970E-02
1.56470E+03	6.21870E-02	1.98380E-01	1.23360E-02	7.01640E-02
1.56480E+03	5.96460E-02	1.98580E-01	1.18440E-02	6.73660E-02
1.56490E+03	5.72180E-02	1.98780E-01	1.13740E-02	6.46880E-02
1.56500E+03	5.48910E-02	1.98980E-01	1.09220E-02	6.21210E-02
1.56510E+03	5.26570E-02	1.99180E-01	1.04880E-02	5.96520E-02
1.56520E+03	5.05080E-02	1.99370E-01	1.00700E-02	5.72740E-02
1.56530E+03	4.84360E-02	1.99570E-01	9.66650E-03	5.49790E-02
1.56540E+03	4.64370E-02	1.99770E-01	9.27670E-03	5.27620E-02
1.56550E+03	4.45070E-02	1.99970E-01	8.89990E-03	5.06190E-02
1.56560E+03	4.26420E-02	2.00170E-01	8.53540E-03	4.85460E-02
1.56570E+03	4.08400E-02	2.00360E-01	8.18290E-03	4.65410E-02
1.56580E+03	3.91020E-02	2.00560E-01	7.84230E-03	4.46040E-02
1.56590E+03	3.74250E-02	2.00760E-01	7.51340E-03	4.27330E-02
1.56600E+03	3.58110E-02	2.00960E-01	7.19640E-03	4.09300E-02
1.56610E+03	3.42580E-02	2.01170E-01	6.89170E-03	3.91980E-02
1.56620E+03	3.27700E-02	2.01380E-01	6.59920E-03	3.75330E-02
1.56630E+03	3.13440E-02	2.01590E-01	6.31880E-03	3.59390E-02
1.56640E+03	3.11390E-02	2.01670E-01	6.27980E-03	3.57170E-02
1.56650E+03	2.98360E-02	2.01740E-01	6.01920E-03	3.42350E-02
1.56660E+03	2.85930E-02	2.01820E-01	5.77060E-03	3.28210E-02
1.56670E+03	2.74090E-02	2.01890E-01	5.53370E-03	3.14740E-02
1.56680E+03	2.62830E-02	2.01970E-01	5.30840E-03	3.01920E-02
1.56690E+03	2.52140E-02	2.02040E-01	5.09430E-03	2.89750E-02
1.56700E+03	2.42010E-02	2.02120E-01	4.89140E-03	2.78200E-02
1.56710E+03	2.32420E-02	2.02190E-01	4.69920E-03	2.67270E-02

1.56720E+03	2.23350E-02	2.02260E-01	4.51740E-03	2.56940E-02
1.56730E+03	2.14800E-02	2.02330E-01	4.34590E-03	2.47180E-02
1.56740E+03	2.06730E-02	2.02400E-01	4.18420E-03	2.37980E-02
1.56750E+03	1.99130E-02	2.02470E-01	4.03180E-03	2.29310E-02
1.56760E+03	1.91980E-02	2.02540E-01	3.88840E-03	2.21160E-02
1.56770E+03	1.85260E-02	2.02610E-01	3.75360E-03	2.13490E-02
1.56780E+03	1.78950E-02	2.02680E-01	3.62690E-03	2.06280E-02
1.56790E+03	1.73000E-02	2.02750E-01	3.50760E-03	1.99500E-02
1.56800E+03	1.67410E-02	2.02820E-01	3.39540E-03	1.93120E-02
1.56810E+03	1.62150E-02	2.02880E-01	3.28960E-03	1.87100E-02
1.56820E+03	1.57180E-02	2.02940E-01	3.18980E-03	1.81420E-02
1.56830E+03	1.52480E-02	2.02900E-01	3.09380E-03	1.75960E-02
1.56840E+03	1.48030E-02	2.02810E-01	3.00210E-03	1.70750E-02
1.56850E+03	1.43790E-02	2.02720E-01	2.91490E-03	1.65790E-02
1.56860E+03	1.39740E-02	2.02630E-01	2.83160E-03	1.61050E-02
1.56870E+03	1.35860E-02	2.02550E-01	2.75170E-03	1.56510E-02
1.56880E+03	1.32110E-02	2.02460E-01	2.67470E-03	1.52130E-02
1.56890E+03	1.28480E-02	2.02370E-01	2.60010E-03	1.47880E-02
1.56900E+03	1.24940E-02	2.02280E-01	2.52740E-03	1.43750E-02
1.56910E+03	1.21480E-02	2.02190E-01	2.45620E-03	1.39700E-02
1.56920E+03	1.18060E-02	2.02110E-01	2.38610E-03	1.35710E-02
1.56930E+03	1.14680E-02	2.02020E-01	2.31680E-03	1.31770E-02
1.56940E+03	1.11330E-02	2.01930E-01	2.24810E-03	1.27860E-02
1.56950E+03	1.07990E-02	2.01840E-01	2.17970E-03	1.23970E-02
1.56960E+03	1.04660E-02	2.01750E-01	2.11150E-03	1.20090E-02
1.56970E+03	1.01330E-02	2.01660E-01	2.04330E-03	1.16220E-02
1.56980E+03	9.79940E-03	2.01570E-01	1.97520E-03	1.12340E-02
1.56990E+03	9.46620E-03	2.01470E-01	1.90720E-03	1.08470E-02
1.57000E+03	9.13360E-03	2.01380E-01	1.83940E-03	1.04620E-02
1.57010E+03	8.80250E-03	2.01310E-01	1.77200E-03	1.00780E-02
1.57020E+03	8.47400E-03	2.01210E-01	1.70510E-03	9.69780E-03
1.57030E+03	8.14940E-03	2.01090E-01	1.63880E-03	9.32080E-03
1.57040E+03	7.83020E-03	2.00980E-01	1.57370E-03	8.95060E-03
1.57050E+03	7.51830E-03	2.00860E-01	1.51010E-03	8.58890E-03
1.57060E+03	7.21530E-03	2.00740E-01	1.44840E-03	8.23800E-03
1.57070E+03	6.92320E-03	2.00620E-01	1.38890E-03	7.89980E-03
1.57080E+03	6.64370E-03	2.00500E-01	1.33210E-03	7.57640E-03
1.57090E+03	6.37840E-03	2.00390E-01	1.27810E-03	7.26960E-03
1.57100E+03	6.12900E-03	2.00270E-01	1.22740E-03	6.98120E-03
1.57110E+03	5.89660E-03	2.00150E-01	1.18020E-03	6.71250E-03
1.57120E+03	5.68210E-03	2.00030E-01	1.13660E-03	6.46460E-03
1.57130E+03	5.48630E-03	1.99910E-01	1.09680E-03	6.23810E-03
1.57140E+03	5.30930E-03	1.99790E-01	1.06080E-03	6.03320E-03

1.57150E+03	5.15080E-03	1.99680E-01	1.02850E-03	5.84970E-03
1.57160E+03	5.01040E-03	1.99560E-01	9.99860E-04	5.68680E-03
1.57170E+03	4.88700E-03	1.99440E-01	9.74650E-04	5.54340E-03
1.57180E+03	4.77920E-03	1.99320E-01	9.52580E-04	5.41790E-03
1.57190E+03	4.68530E-03	1.99200E-01	9.33300E-04	5.30820E-03
1.57200E+03	4.60320E-03	1.99080E-01	9.16390E-04	5.21210E-03
1.57210E+03	4.53060E-03	1.98940E-01	9.01300E-04	5.12630E-03
1.57220E+03	4.46510E-03	1.98840E-01	8.87860E-04	5.04980E-03
1.57230E+03	4.40410E-03	1.98750E-01	8.75320E-04	4.97850E-03
1.57240E+03	4.34500E-03	1.98660E-01	8.63170E-04	4.90940E-03
1.57250E+03	4.28540E-03	1.98560E-01	8.50920E-04	4.83970E-03
1.57260E+03	4.22280E-03	1.98470E-01	8.38100E-04	4.76680E-03
1.57270E+03	4.15520E-03	1.98380E-01	8.24300E-04	4.68830E-03
1.57280E+03	4.08090E-03	1.98290E-01	8.09180E-04	4.60230E-03
1.57290E+03	3.99840E-03	1.98190E-01	7.92450E-04	4.50710E-03
1.57300E+03	3.90680E-03	1.98100E-01	7.73940E-04	4.40190E-03
1.57310E+03	3.80580E-03	1.98000E-01	7.53560E-04	4.28590E-03
1.57320E+03	3.69520E-03	1.97910E-01	7.31320E-04	4.15950E-03
1.57330E+03	3.57580E-03	1.97820E-01	7.07350E-04	4.02310E-03
1.57340E+03	3.44850E-03	1.97720E-01	6.81850E-04	3.87810E-03
1.57350E+03	3.31480E-03	1.97630E-01	6.55100E-04	3.72600E-03
1.57360E+03	3.17660E-03	1.97530E-01	6.27480E-04	3.56890E-03
1.57370E+03	3.03590E-03	1.97440E-01	5.99400E-04	3.40920E-03
1.57380E+03	2.89510E-03	1.97350E-01	5.71330E-04	3.24950E-03
1.57390E+03	2.75650E-03	1.97250E-01	5.43730E-04	3.09250E-03
1.57400E+03	2.62260E-03	1.97160E-01	5.17070E-04	2.94090E-03
1.57410E+03	2.49560E-03	1.97120E-01	4.91920E-04	2.79790E-03
1.57420E+03	2.37750E-03	1.97090E-01	4.68570E-04	2.66500E-03
1.57430E+03	2.27010E-03	1.97050E-01	4.47330E-04	2.54420E-03
1.57440E+03	2.17480E-03	1.97020E-01	4.28490E-04	2.43710E-03
1.57450E+03	2.09260E-03	1.96990E-01	4.12230E-04	2.34460E-03
1.57460E+03	2.02410E-03	1.96960E-01	3.98650E-04	2.26740E-03
1.57470E+03	1.96910E-03	1.96920E-01	3.87760E-04	2.20540E-03
1.57480E+03	1.92720E-03	1.96890E-01	3.79440E-04	2.15810E-03
1.57490E+03	1.89730E-03	1.96860E-01	3.73490E-04	2.12430E-03
1.57500E+03	1.87790E-03	1.96820E-01	3.69620E-04	2.10230E-03
1.57510E+03	1.86720E-03	1.96790E-01	3.67440E-04	2.08990E-03
1.57520E+03	1.86270E-03	1.96760E-01	3.66510E-04	2.08450E-03
1.57530E+03	1.86200E-03	1.96720E-01	3.66310E-04	2.08340E-03
1.57540E+03	1.86240E-03	1.96690E-01	3.66300E-04	2.08340E-03
1.57550E+03	1.86090E-03	1.96650E-01	3.65950E-04	2.08140E-03
1.57560E+03	1.85490E-03	1.96620E-01	3.64710E-04	2.07430E-03
1.57570E+03	1.84180E-03	1.96590E-01	3.62060E-04	2.05930E-03

1.57580E+03	1.81930E-03	1.96550E-01	3.57580E-04	2.03380E-03
1.57590E+03	1.78560E-03	1.96520E-01	3.50890E-04	1.99570E-03
1.57600E+03	1.73920E-03	1.96500E-01	3.41760E-04	1.94380E-03
1.57610E+03	1.67940E-03	1.96520E-01	3.30040E-04	1.87710E-03
1.57620E+03	1.60630E-03	1.96530E-01	3.15680E-04	1.79550E-03
1.57630E+03	1.53020E-03	1.96540E-01	3.00750E-04	1.71060E-03
1.57640E+03	1.45690E-03	1.96550E-01	2.86360E-04	1.62870E-03
1.57650E+03	1.38440E-03	1.96560E-01	2.72130E-04	1.54780E-03
1.57660E+03	1.31100E-03	1.96570E-01	2.57710E-04	1.46570E-03
1.57670E+03	1.23490E-03	1.96580E-01	2.42760E-04	1.38070E-03
1.57680E+03	1.15470E-03	1.96590E-01	2.27000E-04	1.29110E-03
1.57690E+03	1.06930E-03	1.96600E-01	2.10220E-04	1.19560E-03
1.57700E+03	9.77960E-04	1.96610E-01	1.92280E-04	1.09360E-03
1.57710E+03	8.81110E-04	1.96620E-01	1.73250E-04	9.85360E-04
1.57720E+03	8.83430E-05	1.96630E-01	1.73710E-05	9.88000E-05
1.57730E+03	1.15680E-04	1.96640E-01	2.27480E-05	1.29380E-04
1.57740E+03	2.70770E-04	1.96650E-01	5.32480E-05	3.02860E-04
1.57750E+03	3.90680E-04	1.96660E-01	7.68330E-05	4.37000E-04
1.57760E+03	4.68760E-04	1.96670E-01	9.21920E-05	5.24350E-04
1.57770E+03	5.01680E-04	1.96680E-01	9.86720E-05	5.61210E-04
1.57780E+03	4.88160E-04	1.96690E-01	9.60170E-05	5.46110E-04
1.57790E+03	4.29130E-04	1.96710E-01	8.44150E-05	4.80120E-04
1.57800E+03	3.29010E-04	1.96760E-01	6.47370E-05	3.68200E-04
1.57810E+03	2.04240E-04	1.96780E-01	4.01900E-05	2.28590E-04
1.57820E+03	0.00000E+00	1.96790E-01	0.00000E+00	0.00000E+00
Channel 13				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.16170E+03	0.00000E+00	5.90390E-01	0.00000E+00	0.00000E+00
2.16180E+03	1.49510E-04	5.90510E-01	8.82860E-05	2.14160E-04
2.16190E+03	3.33330E-04	5.90640E-01	1.96880E-04	4.77580E-04
2.16200E+03	5.56540E-04	5.90760E-01	3.28780E-04	7.97550E-04
2.16210E+03	7.44030E-04	5.90850E-01	4.39610E-04	1.06640E-03
2.16220E+03	8.73440E-04	5.90940E-01	5.16150E-04	1.25200E-03
2.16230E+03	9.30410E-04	5.91030E-01	5.49900E-04	1.33390E-03
2.16240E+03	9.05880E-04	5.91120E-01	5.35480E-04	1.29890E-03
2.16250E+03	7.96390E-04	5.91210E-01	4.70830E-04	1.14210E-03
2.16260E+03	6.04950E-04	5.91290E-01	3.57700E-04	8.67700E-04
2.16270E+03	3.44530E-04	5.91380E-01	2.03750E-04	4.94250E-04
2.16280E+03	1.23150E-03	5.91470E-01	7.28420E-04	1.76700E-03
2.16290E+03	1.36100E-03	5.91560E-01	8.05100E-04	1.95300E-03

2.16300E+03	1.47780E-03	5.91650E-01	8.74360E-04	2.12100E-03
2.16310E+03	1.57840E-03	5.91740E-01	9.33990E-04	2.26560E-03
2.16320E+03	1.66320E-03	5.91840E-01	9.84320E-04	2.38770E-03
2.16330E+03	1.73470E-03	5.91930E-01	1.02680E-03	2.49080E-03
2.16340E+03	1.79670E-03	5.92020E-01	1.06370E-03	2.58030E-03
2.16350E+03	1.85420E-03	5.92110E-01	1.09790E-03	2.66330E-03
2.16360E+03	1.91290E-03	5.92200E-01	1.13280E-03	2.74800E-03
2.16370E+03	1.97870E-03	5.92300E-01	1.17200E-03	2.84300E-03
2.16380E+03	2.05740E-03	5.92390E-01	1.21880E-03	2.95650E-03
2.16390E+03	2.14950E-03	5.92480E-01	1.27350E-03	3.08930E-03
2.16400E+03	2.23360E-03	5.92570E-01	1.32360E-03	3.21060E-03
2.16410E+03	2.30700E-03	5.92630E-01	1.36720E-03	3.31640E-03
2.16420E+03	2.37110E-03	5.92690E-01	1.40530E-03	3.40900E-03
2.16430E+03	2.42860E-03	5.92740E-01	1.43950E-03	3.49190E-03
2.16440E+03	2.48230E-03	5.92780E-01	1.47150E-03	3.56950E-03
2.16450E+03	2.53560E-03	5.92830E-01	1.50320E-03	3.64640E-03
2.16460E+03	2.59200E-03	5.92880E-01	1.53680E-03	3.72780E-03
2.16470E+03	2.65500E-03	5.92920E-01	1.57420E-03	3.81870E-03
2.16480E+03	2.72780E-03	5.92970E-01	1.61750E-03	3.92370E-03
2.16490E+03	2.81330E-03	5.93020E-01	1.66840E-03	4.04700E-03
2.16500E+03	2.91370E-03	5.93070E-01	1.72800E-03	4.19180E-03
2.16510E+03	3.03050E-03	5.93130E-01	1.79750E-03	4.36030E-03
2.16520E+03	3.16450E-03	5.93190E-01	1.87710E-03	4.55350E-03
2.16530E+03	3.31550E-03	5.93260E-01	1.96690E-03	4.77130E-03
2.16540E+03	3.48270E-03	5.93320E-01	2.06640E-03	5.01250E-03
2.16550E+03	3.66470E-03	5.93380E-01	2.17460E-03	5.27500E-03
2.16560E+03	3.85930E-03	5.93430E-01	2.29020E-03	5.55550E-03
2.16570E+03	4.06400E-03	5.93480E-01	2.41190E-03	5.85070E-03
2.16580E+03	4.27610E-03	5.93530E-01	2.53800E-03	6.15660E-03
2.16590E+03	4.49250E-03	5.93580E-01	2.66670E-03	6.46870E-03
2.16600E+03	4.71020E-03	5.93630E-01	2.79610E-03	6.78280E-03
2.16610E+03	4.92640E-03	5.93670E-01	2.92470E-03	7.09460E-03
2.16620E+03	5.13850E-03	5.93710E-01	3.05080E-03	7.40050E-03
2.16630E+03	5.34440E-03	5.93750E-01	3.17320E-03	7.69740E-03
2.16640E+03	5.54240E-03	5.93790E-01	3.29100E-03	7.98320E-03
2.16650E+03	5.73170E-03	5.93830E-01	3.40360E-03	8.25630E-03
2.16660E+03	5.91170E-03	5.93870E-01	3.51070E-03	8.51620E-03
2.16670E+03	6.08260E-03	5.93910E-01	3.61250E-03	8.76310E-03
2.16680E+03	6.24520E-03	5.93950E-01	3.70930E-03	8.99790E-03
2.16690E+03	6.40050E-03	5.93980E-01	3.80180E-03	9.22220E-03
2.16700E+03	6.54990E-03	5.94020E-01	3.89080E-03	9.43820E-03
2.16710E+03	6.69530E-03	5.94060E-01	3.97740E-03	9.64830E-03
2.16720E+03	6.83880E-03	5.94090E-01	4.06290E-03	9.85550E-03

2.16730E+03	6.98240E-03	5.94130E-01	4.14840E-03	1.00630E-02
2.16740E+03	7.12850E-03	5.94160E-01	4.23550E-03	1.02740E-02
2.16750E+03	7.27940E-03	5.94200E-01	4.32540E-03	1.04920E-02
2.16760E+03	7.43760E-03	5.94230E-01	4.41960E-03	1.07210E-02
2.16770E+03	7.60520E-03	5.94270E-01	4.51950E-03	1.09630E-02
2.16780E+03	7.78450E-03	5.94300E-01	4.62640E-03	1.12220E-02
2.16790E+03	7.97760E-03	5.94340E-01	4.74140E-03	1.15010E-02
2.16800E+03	8.18620E-03	5.94370E-01	4.86560E-03	1.18030E-02
2.16810E+03	8.41200E-03	5.94390E-01	5.00000E-03	1.21290E-02
2.16820E+03	8.65640E-03	5.94410E-01	5.14550E-03	1.24820E-02
2.16830E+03	8.92060E-03	5.94430E-01	5.30270E-03	1.28630E-02
2.16840E+03	9.20550E-03	5.94440E-01	5.47220E-03	1.32740E-02
2.16850E+03	9.51170E-03	5.94460E-01	5.65430E-03	1.37160E-02
2.16860E+03	9.83940E-03	5.94480E-01	5.84930E-03	1.41890E-02
2.16870E+03	1.01890E-02	5.94480E-01	6.05690E-03	1.46930E-02
2.16880E+03	1.05590E-02	5.94490E-01	6.27710E-03	1.52270E-02
2.16890E+03	1.09490E-02	5.94500E-01	6.50940E-03	1.57900E-02
2.16900E+03	1.13590E-02	5.94510E-01	6.75330E-03	1.63820E-02
2.16910E+03	1.17880E-02	5.94520E-01	7.00810E-03	1.70000E-02
2.16920E+03	1.22330E-02	5.94530E-01	7.27300E-03	1.76430E-02
2.16930E+03	1.26940E-02	5.94540E-01	7.54730E-03	1.83080E-02
2.16940E+03	1.31700E-02	5.94550E-01	7.83020E-03	1.89940E-02
2.16950E+03	1.36590E-02	5.94560E-01	8.12110E-03	1.97000E-02
2.16960E+03	1.41600E-02	5.94570E-01	8.41940E-03	2.04230E-02
2.16970E+03	1.46740E-02	5.94580E-01	8.72480E-03	2.11640E-02
2.16980E+03	1.51990E-02	5.94590E-01	9.03740E-03	2.19230E-02
2.16990E+03	1.57370E-02	5.94600E-01	9.35710E-03	2.26980E-02
2.17000E+03	1.62870E-02	5.94610E-01	9.68450E-03	2.34920E-02
2.17010E+03	1.68520E-02	5.94630E-01	1.00200E-02	2.43070E-02
2.17020E+03	1.74320E-02	5.94640E-01	1.03660E-02	2.51450E-02
2.17030E+03	1.80300E-02	5.94660E-01	1.07220E-02	2.60080E-02
2.17040E+03	1.86480E-02	5.94670E-01	1.10890E-02	2.69000E-02
2.17050E+03	1.92890E-02	5.94690E-01	1.14710E-02	2.78260E-02
2.17060E+03	1.99560E-02	5.94710E-01	1.18680E-02	2.87890E-02
2.17070E+03	2.06520E-02	5.94720E-01	1.22820E-02	2.97940E-02
2.17080E+03	2.13800E-02	5.94740E-01	1.27150E-02	3.08450E-02
2.17090E+03	2.21420E-02	5.94800E-01	1.31700E-02	3.19480E-02
2.17100E+03	2.29430E-02	5.94850E-01	1.36480E-02	3.31060E-02
2.17110E+03	2.37830E-02	5.94900E-01	1.41490E-02	3.43210E-02
2.17120E+03	2.46670E-02	5.94940E-01	1.46750E-02	3.55990E-02
2.17130E+03	2.55960E-02	5.94990E-01	1.52290E-02	3.69430E-02
2.17140E+03	2.53440E-02	5.95030E-01	1.50800E-02	3.65820E-02
2.17150E+03	2.63510E-02	5.95070E-01	1.56810E-02	3.80370E-02

2.17160E+03	2.74350E-02	5.95120E-01	1.63270E-02	3.96060E-02
2.17170E+03	2.85970E-02	5.95160E-01	1.70200E-02	4.12860E-02
2.17180E+03	2.98310E-02	5.95210E-01	1.77560E-02	4.30710E-02
2.17190E+03	3.11340E-02	5.95250E-01	1.85320E-02	4.49550E-02
2.17200E+03	3.24970E-02	5.95290E-01	1.93450E-02	4.69270E-02
2.17210E+03	3.39160E-02	5.95330E-01	2.01910E-02	4.89800E-02
2.17220E+03	3.53840E-02	5.95370E-01	2.10670E-02	5.11020E-02
2.17230E+03	3.68950E-02	5.95420E-01	2.19680E-02	5.32890E-02
2.17240E+03	3.84480E-02	5.95460E-01	2.28940E-02	5.55350E-02
2.17250E+03	4.00400E-02	5.95500E-01	2.38440E-02	5.78390E-02
2.17260E+03	4.16740E-02	5.95540E-01	2.48180E-02	6.02030E-02
2.17270E+03	4.33530E-02	5.95580E-01	2.58200E-02	6.26330E-02
2.17280E+03	4.50840E-02	5.95620E-01	2.68530E-02	6.51390E-02
2.17290E+03	4.68760E-02	5.95660E-01	2.79220E-02	6.77320E-02
2.17300E+03	4.87380E-02	5.95700E-01	2.90330E-02	7.04270E-02
2.17310E+03	5.06810E-02	5.95790E-01	3.01950E-02	7.32470E-02
2.17320E+03	5.27170E-02	5.95880E-01	3.14130E-02	7.62010E-02
2.17330E+03	5.48560E-02	5.95970E-01	3.26930E-02	7.93050E-02
2.17340E+03	5.71070E-02	5.96070E-01	3.40400E-02	8.25720E-02
2.17350E+03	5.94790E-02	5.96160E-01	3.54590E-02	8.60140E-02
2.17360E+03	6.19750E-02	5.96250E-01	3.69530E-02	8.96390E-02
2.17370E+03	6.46010E-02	5.96340E-01	3.85250E-02	9.34510E-02
2.17380E+03	6.73570E-02	5.96440E-01	4.01740E-02	9.74530E-02
2.17390E+03	7.02430E-02	5.96530E-01	4.19020E-02	1.01640E-01
2.17400E+03	7.32570E-02	5.96620E-01	4.37070E-02	1.06020E-01
2.17410E+03	7.63950E-02	5.96670E-01	4.55830E-02	1.10570E-01
2.17420E+03	7.96550E-02	5.96710E-01	4.75310E-02	1.15300E-01
2.17430E+03	8.30340E-02	5.96750E-01	4.95500E-02	1.20200E-01
2.17440E+03	8.65290E-02	5.96790E-01	5.16400E-02	1.25270E-01
2.17450E+03	9.01390E-02	5.96830E-01	5.37980E-02	1.30500E-01
2.17460E+03	9.38650E-02	5.96880E-01	5.60260E-02	1.35900E-01
2.17470E+03	9.77080E-02	5.96920E-01	5.83230E-02	1.41480E-01
2.17480E+03	1.01670E-01	5.96960E-01	6.06930E-02	1.47230E-01
2.17490E+03	1.05760E-01	5.97000E-01	6.31380E-02	1.53160E-01
2.17500E+03	1.09970E-01	5.97040E-01	6.56590E-02	1.59270E-01
2.17510E+03	1.14320E-01	5.97090E-01	6.82610E-02	1.65590E-01
2.17520E+03	1.18810E-01	5.97130E-01	7.09450E-02	1.72100E-01
2.17530E+03	1.23440E-01	5.97160E-01	7.37110E-02	1.78800E-01
2.17540E+03	1.28200E-01	5.97200E-01	7.65630E-02	1.85720E-01
2.17550E+03	1.33110E-01	5.97240E-01	7.95000E-02	1.92850E-01
2.17560E+03	1.38160E-01	5.97280E-01	8.25210E-02	2.00180E-01
2.17570E+03	1.43350E-01	5.97320E-01	8.56240E-02	2.07700E-01
2.17580E+03	1.48660E-01	5.97360E-01	8.88060E-02	2.15420E-01

2.17590E+03	1.54100E-01	5.97400E-01	9.20630E-02	2.23320E-01
2.17600E+03	1.59670E-01	5.97450E-01	9.53930E-02	2.31400E-01
2.17610E+03	1.65340E-01	5.97520E-01	9.87950E-02	2.39650E-01
2.17620E+03	1.71130E-01	5.97580E-01	1.02260E-01	2.48070E-01
2.17630E+03	1.77020E-01	5.97650E-01	1.05800E-01	2.56640E-01
2.17640E+03	1.83020E-01	5.97720E-01	1.09390E-01	2.65360E-01
2.17650E+03	1.89120E-01	5.97790E-01	1.13050E-01	2.74230E-01
2.17660E+03	1.95320E-01	5.97860E-01	1.16770E-01	2.83270E-01
2.17670E+03	2.01640E-01	5.97920E-01	1.20560E-01	2.92460E-01
2.17680E+03	2.08070E-01	5.97990E-01	1.24420E-01	3.01820E-01
2.17690E+03	2.14620E-01	5.98060E-01	1.28350E-01	3.11350E-01
2.17700E+03	2.21290E-01	5.98130E-01	1.32360E-01	3.21070E-01
2.17710E+03	2.28090E-01	5.98200E-01	1.36440E-01	3.30970E-01
2.17720E+03	2.35010E-01	5.98260E-01	1.40600E-01	3.41060E-01
2.17730E+03	2.42070E-01	5.98330E-01	1.44840E-01	3.51340E-01
2.17740E+03	2.49240E-01	5.98400E-01	1.49150E-01	3.61790E-01
2.17750E+03	2.56530E-01	5.98430E-01	1.53520E-01	3.72400E-01
2.17760E+03	2.63920E-01	5.98460E-01	1.57950E-01	3.83150E-01
2.17770E+03	2.71400E-01	5.98500E-01	1.62430E-01	3.94030E-01
2.17780E+03	2.78950E-01	5.98530E-01	1.66960E-01	4.05010E-01
2.17790E+03	2.86550E-01	5.98560E-01	1.71520E-01	4.16060E-01
2.17800E+03	2.94170E-01	5.98610E-01	1.76100E-01	4.27170E-01
2.17810E+03	3.01800E-01	5.98730E-01	1.80700E-01	4.38330E-01
2.17820E+03	3.09420E-01	5.98840E-01	1.85290E-01	4.49480E-01
2.17830E+03	3.17000E-01	5.98950E-01	1.89870E-01	4.60570E-01
2.17840E+03	3.24520E-01	5.99070E-01	1.94410E-01	4.71590E-01
2.17850E+03	3.31980E-01	5.99180E-01	1.98910E-01	4.82520E-01
2.17860E+03	3.39350E-01	5.99290E-01	2.03370E-01	4.93320E-01
2.17870E+03	3.46620E-01	5.99410E-01	2.07770E-01	5.04000E-01
2.17880E+03	3.53800E-01	5.99520E-01	2.12110E-01	5.14530E-01
2.17890E+03	3.60880E-01	5.99630E-01	2.16400E-01	5.24930E-01
2.17900E+03	3.67860E-01	5.99750E-01	2.20620E-01	5.35180E-01
2.17910E+03	3.74730E-01	5.99860E-01	2.24790E-01	5.45280E-01
2.17920E+03	3.81510E-01	5.99970E-01	2.28900E-01	5.55250E-01
2.17930E+03	3.88200E-01	6.00080E-01	2.32950E-01	5.65090E-01
2.17940E+03	3.94800E-01	6.00200E-01	2.36950E-01	5.74800E-01
2.17950E+03	4.01300E-01	6.00310E-01	2.40910E-01	5.84380E-01
2.17960E+03	4.07730E-01	6.00420E-01	2.44810E-01	5.93860E-01
2.17970E+03	4.14080E-01	6.00510E-01	2.48660E-01	6.03190E-01
2.17980E+03	4.20360E-01	6.00590E-01	2.52460E-01	6.12420E-01
2.17990E+03	4.26550E-01	6.00680E-01	2.56220E-01	6.21530E-01
2.18000E+03	4.32670E-01	6.00760E-01	2.59930E-01	6.30530E-01
2.18010E+03	4.38720E-01	6.00800E-01	2.63580E-01	6.39380E-01

2.18020E+03	4.44680E-01	6.00840E-01	2.67180E-01	6.48120E-01
2.18030E+03	4.50570E-01	6.00880E-01	2.70730E-01	6.56740E-01
2.18040E+03	4.56360E-01	6.00920E-01	2.74240E-01	6.65240E-01
2.18050E+03	4.62080E-01	6.00960E-01	2.77690E-01	6.73610E-01
2.18060E+03	4.67700E-01	6.01000E-01	2.81090E-01	6.81850E-01
2.18070E+03	4.73220E-01	6.01040E-01	2.84430E-01	6.89950E-01
2.18080E+03	4.78650E-01	6.01080E-01	2.87710E-01	6.97910E-01
2.18090E+03	4.83970E-01	6.01120E-01	2.90920E-01	7.05710E-01
2.18100E+03	4.89170E-01	6.01160E-01	2.94070E-01	7.13350E-01
2.18110E+03	4.94250E-01	6.01210E-01	2.97150E-01	7.20810E-01
2.18120E+03	4.99210E-01	6.01250E-01	3.00150E-01	7.28090E-01
2.18130E+03	5.04030E-01	6.01290E-01	3.03070E-01	7.35170E-01
2.18140E+03	5.08710E-01	6.01330E-01	3.05900E-01	7.42050E-01
2.18150E+03	5.13240E-01	6.01370E-01	3.08650E-01	7.48700E-01
2.18160E+03	5.17620E-01	6.01410E-01	3.11300E-01	7.55140E-01
2.18170E+03	5.21840E-01	6.01450E-01	3.13860E-01	7.61350E-01
2.18180E+03	5.25900E-01	6.01490E-01	3.16320E-01	7.67330E-01
2.18190E+03	5.29800E-01	6.01570E-01	3.18710E-01	7.73120E-01
2.18200E+03	5.33550E-01	6.01640E-01	3.21010E-01	7.78690E-01
2.18210E+03	5.37150E-01	6.01730E-01	3.23220E-01	7.84060E-01
2.18220E+03	5.40610E-01	6.01820E-01	3.25350E-01	7.89230E-01
2.18230E+03	5.43940E-01	6.01910E-01	3.27410E-01	7.94210E-01
2.18240E+03	5.47160E-01	6.02000E-01	3.29390E-01	7.99010E-01
2.18250E+03	5.50260E-01	6.02080E-01	3.31300E-01	8.03660E-01
2.18260E+03	5.53270E-01	6.02170E-01	3.33160E-01	8.08170E-01
2.18270E+03	5.56190E-01	6.02260E-01	3.34970E-01	8.12560E-01
2.18280E+03	5.59040E-01	6.02350E-01	3.36740E-01	8.16850E-01
2.18290E+03	5.61820E-01	6.02440E-01	3.38460E-01	8.21030E-01
2.18300E+03	5.64540E-01	6.02520E-01	3.40150E-01	8.25120E-01
2.18310E+03	5.67200E-01	6.02610E-01	3.41800E-01	8.29130E-01
2.18320E+03	5.69810E-01	6.02700E-01	3.43420E-01	8.33050E-01
2.18330E+03	5.72350E-01	6.02780E-01	3.45000E-01	8.36890E-01
2.18340E+03	5.74820E-01	6.02870E-01	3.46540E-01	8.40620E-01
2.18350E+03	5.77220E-01	6.02950E-01	3.48040E-01	8.44260E-01
2.18360E+03	5.79550E-01	6.03040E-01	3.49490E-01	8.47790E-01
2.18370E+03	5.81800E-01	6.03130E-01	3.50900E-01	8.51200E-01
2.18380E+03	5.83970E-01	6.03210E-01	3.52260E-01	8.54500E-01
2.18390E+03	5.86060E-01	6.03300E-01	3.53570E-01	8.57670E-01
2.18400E+03	5.88060E-01	6.03390E-01	3.54830E-01	8.60730E-01
2.18410E+03	5.89990E-01	6.03480E-01	3.56050E-01	8.63690E-01
2.18420E+03	5.91850E-01	6.03570E-01	3.57220E-01	8.66530E-01
2.18430E+03	5.93650E-01	6.03660E-01	3.58360E-01	8.69300E-01
2.18440E+03	5.95400E-01	6.03750E-01	3.59470E-01	8.71990E-01

2.18450E+03	5.97100E-01	6.03840E-01	3.60550E-01	8.74620E-01
2.18460E+03	5.98790E-01	6.03930E-01	3.61620E-01	8.77210E-01
2.18470E+03	6.00450E-01	6.04020E-01	3.62680E-01	8.79780E-01
2.18480E+03	6.02110E-01	6.04110E-01	3.63740E-01	8.82340E-01
2.18490E+03	6.03760E-01	6.04200E-01	3.64790E-01	8.84890E-01
2.18500E+03	6.05420E-01	6.04290E-01	3.65850E-01	8.87450E-01
2.18510E+03	6.07080E-01	6.04340E-01	3.66880E-01	8.89970E-01
2.18520E+03	6.08740E-01	6.04400E-01	3.67920E-01	8.92480E-01
2.18530E+03	6.10390E-01	6.04450E-01	3.68950E-01	8.94990E-01
2.18540E+03	6.12040E-01	6.04500E-01	3.69980E-01	8.97480E-01
2.18550E+03	6.13670E-01	6.04560E-01	3.71000E-01	8.99950E-01
2.18560E+03	6.15270E-01	6.04610E-01	3.72000E-01	9.02390E-01
2.18570E+03	6.16840E-01	6.04670E-01	3.72990E-01	9.04780E-01
2.18580E+03	6.18380E-01	6.04720E-01	3.73950E-01	9.07110E-01
2.18590E+03	6.19890E-01	6.04780E-01	3.74890E-01	9.09400E-01
2.18600E+03	6.21360E-01	6.04830E-01	3.75810E-01	9.11640E-01
2.18610E+03	6.22800E-01	6.04870E-01	3.76710E-01	9.13810E-01
2.18620E+03	6.24230E-01	6.04900E-01	3.77600E-01	9.15960E-01
2.18630E+03	6.25650E-01	6.04950E-01	3.78490E-01	9.18120E-01
2.18640E+03	6.27080E-01	6.05010E-01	3.79390E-01	9.20310E-01
2.18650E+03	6.28530E-01	6.05080E-01	3.80310E-01	9.22540E-01
2.18660E+03	6.30020E-01	6.05140E-01	3.81250E-01	9.24830E-01
2.18670E+03	6.31560E-01	6.05210E-01	3.82230E-01	9.27190E-01
2.18680E+03	6.33160E-01	6.05270E-01	3.83240E-01	9.29640E-01
2.18690E+03	6.34830E-01	6.05340E-01	3.84290E-01	9.32190E-01
2.18700E+03	6.36570E-01	6.05400E-01	3.85380E-01	9.34840E-01
2.18710E+03	6.38370E-01	6.05470E-01	3.86520E-01	9.37600E-01
2.18720E+03	6.40240E-01	6.05540E-01	3.87690E-01	9.40440E-01
2.18730E+03	6.42140E-01	6.05610E-01	3.88890E-01	9.43350E-01
2.18740E+03	6.44080E-01	6.05680E-01	3.90110E-01	9.46300E-01
2.18750E+03	6.46030E-01	6.05750E-01	3.91330E-01	9.49270E-01
2.18760E+03	6.47960E-01	6.05820E-01	3.92540E-01	9.52220E-01
2.18770E+03	6.49860E-01	6.05890E-01	3.93740E-01	9.55120E-01
2.18780E+03	6.51710E-01	6.05960E-01	3.94910E-01	9.57950E-01
2.18790E+03	6.53490E-01	6.06030E-01	3.96030E-01	9.60670E-01
2.18800E+03	6.55180E-01	6.06100E-01	3.97110E-01	9.63290E-01
2.18810E+03	6.56780E-01	6.06270E-01	3.98190E-01	9.65900E-01
2.18820E+03	6.58290E-01	6.06430E-01	3.99200E-01	9.68370E-01
2.18830E+03	6.59690E-01	6.06590E-01	4.00160E-01	9.70700E-01
2.18840E+03	6.61000E-01	6.06750E-01	4.01070E-01	9.72890E-01
2.18850E+03	6.62230E-01	6.06940E-01	4.01930E-01	9.74980E-01
2.18860E+03	6.63370E-01	6.07120E-01	4.02740E-01	9.76960E-01
2.18870E+03	6.64450E-01	6.07300E-01	4.03520E-01	9.78850E-01

2.18880E+03	6.65480E-01	6.07480E-01	4.04270E-01	9.80660E-01
2.18890E+03	6.66470E-01	6.07660E-01	4.04990E-01	9.82410E-01
2.18900E+03	6.67430E-01	6.07850E-01	4.05690E-01	9.84110E-01
2.18910E+03	6.68360E-01	6.08030E-01	4.06380E-01	9.85790E-01
2.18920E+03	6.69270E-01	6.08220E-01	4.07060E-01	9.87430E-01
2.18930E+03	6.70150E-01	6.08400E-01	4.07720E-01	9.89040E-01
2.18940E+03	6.71020E-01	6.08580E-01	4.08370E-01	9.90610E-01
2.18950E+03	6.71840E-01	6.08770E-01	4.09000E-01	9.92130E-01
2.18960E+03	6.72630E-01	6.08950E-01	4.09600E-01	9.93590E-01
2.18970E+03	6.73350E-01	6.09140E-01	4.10170E-01	9.94960E-01
2.18980E+03	6.74010E-01	6.09320E-01	4.10690E-01	9.96240E-01
2.18990E+03	6.74590E-01	6.09510E-01	4.11170E-01	9.97390E-01
2.19000E+03	6.75070E-01	6.09690E-01	4.11580E-01	9.98400E-01
2.19010E+03	6.75440E-01	6.09750E-01	4.11850E-01	9.99060E-01
2.19020E+03	6.75710E-01	6.09810E-01	4.12060E-01	9.99550E-01
2.19030E+03	6.75850E-01	6.09880E-01	4.12180E-01	9.99860E-01
2.19040E+03	6.75880E-01	6.09940E-01	4.12240E-01	1.00000E+00
2.19050E+03	6.75790E-01	6.10000E-01	4.12230E-01	9.99970E-01
2.19060E+03	6.75580E-01	6.10060E-01	4.12140E-01	9.99760E-01
2.19070E+03	6.75270E-01	6.10120E-01	4.12000E-01	9.99400E-01
2.19080E+03	6.74860E-01	6.10180E-01	4.11790E-01	9.98900E-01
2.19090E+03	6.74370E-01	6.10240E-01	4.11530E-01	9.98260E-01
2.19100E+03	6.73790E-01	6.10300E-01	4.11220E-01	9.97510E-01
2.19110E+03	6.73150E-01	6.10360E-01	4.10860E-01	9.96660E-01
2.19120E+03	6.72450E-01	6.10420E-01	4.10480E-01	9.95710E-01
2.19130E+03	6.71690E-01	6.10480E-01	4.10050E-01	9.94690E-01
2.19140E+03	6.70890E-01	6.10540E-01	4.09600E-01	9.93600E-01
2.19150E+03	6.70040E-01	6.10600E-01	4.09120E-01	9.92430E-01
2.19160E+03	6.69140E-01	6.10660E-01	4.08610E-01	9.91200E-01
2.19170E+03	6.68200E-01	6.10710E-01	4.08080E-01	9.89900E-01
2.19180E+03	6.67200E-01	6.10770E-01	4.07510E-01	9.88520E-01
2.19190E+03	6.66150E-01	6.10830E-01	4.06900E-01	9.87050E-01
2.19200E+03	6.65030E-01	6.10890E-01	4.06260E-01	9.85490E-01
2.19210E+03	6.63840E-01	6.10890E-01	4.05530E-01	9.83730E-01
2.19220E+03	6.62570E-01	6.10890E-01	4.04750E-01	9.81840E-01
2.19230E+03	6.61210E-01	6.10830E-01	4.03890E-01	9.79740E-01
2.19240E+03	6.59770E-01	6.10760E-01	4.02960E-01	9.77470E-01
2.19250E+03	6.58220E-01	6.10680E-01	4.01960E-01	9.75060E-01
2.19260E+03	6.56580E-01	6.10600E-01	4.00910E-01	9.72510E-01
2.19270E+03	6.54830E-01	6.10530E-01	3.99790E-01	9.69800E-01
2.19280E+03	6.52990E-01	6.10450E-01	3.98620E-01	9.66950E-01
2.19290E+03	6.51040E-01	6.10350E-01	3.97370E-01	9.63920E-01
2.19300E+03	6.49000E-01	6.10260E-01	3.96060E-01	9.60740E-01

2.19310E+03	6.46870E-01	6.10160E-01	3.94690E-01	9.57430E-01
2.19320E+03	6.44640E-01	6.10060E-01	3.93270E-01	9.53980E-01
2.19330E+03	6.42330E-01	6.09970E-01	3.91800E-01	9.50410E-01
2.19340E+03	6.39940E-01	6.09870E-01	3.90280E-01	9.46730E-01
2.19350E+03	6.37480E-01	6.09770E-01	3.88720E-01	9.42930E-01
2.19360E+03	6.34940E-01	6.09670E-01	3.87100E-01	9.39020E-01
2.19370E+03	6.32320E-01	6.09580E-01	3.85450E-01	9.35010E-01
2.19380E+03	6.29630E-01	6.09480E-01	3.83750E-01	9.30880E-01
2.19390E+03	6.26860E-01	6.09380E-01	3.82000E-01	9.26640E-01
2.19400E+03	6.24010E-01	6.09300E-01	3.80210E-01	9.22300E-01
2.19410E+03	6.21070E-01	6.09340E-01	3.78440E-01	9.18010E-01
2.19420E+03	6.18030E-01	6.09380E-01	3.76620E-01	9.13580E-01
2.19430E+03	6.14890E-01	6.09420E-01	3.74730E-01	9.09000E-01
2.19440E+03	6.11630E-01	6.09460E-01	3.72770E-01	9.04240E-01
2.19450E+03	6.08250E-01	6.09510E-01	3.70730E-01	8.99310E-01
2.19460E+03	6.04750E-01	6.09550E-01	3.68620E-01	8.94190E-01
2.19470E+03	6.01110E-01	6.09590E-01	3.66430E-01	8.88870E-01
2.19480E+03	5.97340E-01	6.09630E-01	3.64160E-01	8.83360E-01
2.19490E+03	5.93440E-01	6.09670E-01	3.61800E-01	8.77650E-01
2.19500E+03	5.89410E-01	6.09710E-01	3.59370E-01	8.71750E-01
2.19510E+03	5.85260E-01	6.09810E-01	3.56900E-01	8.65740E-01
2.19520E+03	5.80990E-01	6.09910E-01	3.54350E-01	8.59570E-01
2.19530E+03	5.76620E-01	6.10010E-01	3.51740E-01	8.53240E-01
2.19540E+03	5.72160E-01	6.10100E-01	3.49080E-01	8.46780E-01
2.19550E+03	5.67620E-01	6.10200E-01	3.46360E-01	8.40190E-01
2.19560E+03	5.63010E-01	6.10300E-01	3.43600E-01	8.33500E-01
2.19570E+03	5.58340E-01	6.10400E-01	3.40810E-01	8.26720E-01
2.19580E+03	5.53610E-01	6.10500E-01	3.37980E-01	8.19850E-01
2.19590E+03	5.48830E-01	6.10590E-01	3.35110E-01	8.12900E-01
2.19600E+03	5.44000E-01	6.10690E-01	3.32220E-01	8.05880E-01
2.19610E+03	5.39120E-01	6.10750E-01	3.29260E-01	7.98710E-01
2.19620E+03	5.34160E-01	6.10790E-01	3.26260E-01	7.91430E-01
2.19630E+03	5.29140E-01	6.10830E-01	3.23210E-01	7.84040E-01
2.19640E+03	5.24020E-01	6.10870E-01	3.20110E-01	7.76510E-01
2.19650E+03	5.18800E-01	6.10920E-01	3.16940E-01	7.68830E-01
2.19660E+03	5.13470E-01	6.10960E-01	3.13710E-01	7.60980E-01
2.19670E+03	5.08010E-01	6.11000E-01	3.10390E-01	7.52940E-01
2.19680E+03	5.02410E-01	6.11050E-01	3.07000E-01	7.44700E-01
2.19690E+03	4.96670E-01	6.11090E-01	3.03510E-01	7.36250E-01
2.19700E+03	4.90800E-01	6.11130E-01	2.99940E-01	7.27590E-01
2.19710E+03	4.84790E-01	6.11180E-01	2.96290E-01	7.18730E-01
2.19720E+03	4.78650E-01	6.11230E-01	2.92570E-01	7.09700E-01
2.19730E+03	4.72410E-01	6.11220E-01	2.88750E-01	7.00440E-01

2.19740E+03	4.66080E-01	6.11220E-01	2.84880E-01	6.91050E-01
2.19750E+03	4.59690E-01	6.11210E-01	2.80970E-01	6.81550E-01
2.19760E+03	4.53250E-01	6.11200E-01	2.77030E-01	6.72000E-01
2.19770E+03	4.46780E-01	6.11200E-01	2.73070E-01	6.62410E-01
2.19780E+03	4.40310E-01	6.11190E-01	2.69120E-01	6.52810E-01
2.19790E+03	4.33850E-01	6.11190E-01	2.65170E-01	6.43230E-01
2.19800E+03	4.27420E-01	6.11180E-01	2.61230E-01	6.33680E-01
2.19810E+03	4.21010E-01	6.11130E-01	2.57290E-01	6.24130E-01
2.19820E+03	4.14630E-01	6.11090E-01	2.53380E-01	6.14630E-01
2.19830E+03	4.08270E-01	6.11040E-01	2.49470E-01	6.05150E-01
2.19840E+03	4.01920E-01	6.10990E-01	2.45570E-01	5.95690E-01
2.19850E+03	3.95570E-01	6.10940E-01	2.41670E-01	5.86230E-01
2.19860E+03	3.89190E-01	6.10890E-01	2.37750E-01	5.76730E-01
2.19870E+03	3.82760E-01	6.10850E-01	2.33810E-01	5.67170E-01
2.19880E+03	3.76290E-01	6.10800E-01	2.29840E-01	5.57530E-01
2.19890E+03	3.69740E-01	6.10750E-01	2.25820E-01	5.47780E-01
2.19900E+03	3.63120E-01	6.10700E-01	2.21760E-01	5.37930E-01
2.19910E+03	3.56410E-01	6.10660E-01	2.17640E-01	5.27950E-01
2.19920E+03	3.49630E-01	6.10610E-01	2.13480E-01	5.17860E-01
2.19930E+03	3.42770E-01	6.10560E-01	2.09290E-01	5.07680E-01
2.19940E+03	3.35870E-01	6.10510E-01	2.05060E-01	4.97420E-01
2.19950E+03	3.28940E-01	6.10560E-01	2.00840E-01	4.87190E-01
2.19960E+03	3.22000E-01	6.10610E-01	1.96620E-01	4.76950E-01
2.19970E+03	3.15080E-01	6.10660E-01	1.92410E-01	4.66730E-01
2.19980E+03	3.08190E-01	6.10710E-01	1.88220E-01	4.56570E-01
2.19990E+03	3.01370E-01	6.10760E-01	1.84070E-01	4.46500E-01
2.20000E+03	2.94630E-01	6.10820E-01	1.79960E-01	4.36550E-01
2.20010E+03	2.87980E-01	6.10990E-01	1.75950E-01	4.26820E-01
2.20020E+03	2.81420E-01	6.11170E-01	1.71990E-01	4.17220E-01
2.20030E+03	2.74960E-01	6.11340E-01	1.68090E-01	4.07750E-01
2.20040E+03	2.68580E-01	6.11520E-01	1.64240E-01	3.98410E-01
2.20050E+03	2.62280E-01	6.11690E-01	1.60430E-01	3.89170E-01
2.20060E+03	2.56030E-01	6.11860E-01	1.56660E-01	3.80010E-01
2.20070E+03	2.49830E-01	6.12040E-01	1.52900E-01	3.70900E-01
2.20080E+03	2.43640E-01	6.12210E-01	1.49160E-01	3.61830E-01
2.20090E+03	2.37460E-01	6.12390E-01	1.45420E-01	3.52750E-01
2.20100E+03	2.31280E-01	6.12560E-01	1.41670E-01	3.43670E-01
2.20110E+03	2.25090E-01	6.12730E-01	1.37920E-01	3.34550E-01
2.20120E+03	2.18880E-01	6.12910E-01	1.34150E-01	3.25420E-01
2.20130E+03	2.12660E-01	6.13080E-01	1.30380E-01	3.16260E-01
2.20140E+03	2.06440E-01	6.13260E-01	1.26600E-01	3.07110E-01
2.20150E+03	2.00260E-01	6.13430E-01	1.22840E-01	2.97990E-01
2.20160E+03	1.94110E-01	6.13600E-01	1.19110E-01	2.88930E-01

2.20170E+03	1.88040E-01	6.13710E-01	1.15400E-01	2.79940E-01
2.20180E+03	1.82070E-01	6.13820E-01	1.11760E-01	2.71090E-01
2.20190E+03	1.76210E-01	6.13930E-01	1.08180E-01	2.62430E-01
2.20200E+03	1.70510E-01	6.14040E-01	1.04700E-01	2.53980E-01
2.20210E+03	1.64970E-01	6.14230E-01	1.01330E-01	2.45800E-01
2.20220E+03	1.59610E-01	6.14430E-01	9.80670E-02	2.37890E-01
2.20230E+03	1.54430E-01	6.14630E-01	9.49160E-02	2.30240E-01
2.20240E+03	1.49440E-01	6.14820E-01	9.18770E-02	2.22870E-01
2.20250E+03	1.44630E-01	6.15020E-01	8.89480E-02	2.15770E-01
2.20260E+03	1.39990E-01	6.15220E-01	8.61220E-02	2.08910E-01
2.20270E+03	1.35510E-01	6.15420E-01	8.33930E-02	2.02290E-01
2.20280E+03	1.31170E-01	6.15610E-01	8.07510E-02	1.95880E-01
2.20290E+03	1.26970E-01	6.15810E-01	7.81860E-02	1.89660E-01
2.20300E+03	1.22870E-01	6.16010E-01	7.56910E-02	1.83610E-01
2.20310E+03	1.18890E-01	6.16200E-01	7.32570E-02	1.77710E-01
2.20320E+03	1.14990E-01	6.16400E-01	7.08800E-02	1.71940E-01
2.20330E+03	1.11180E-01	6.16590E-01	6.85540E-02	1.66300E-01
2.20340E+03	1.07460E-01	6.16790E-01	6.62800E-02	1.60780E-01
2.20350E+03	1.03820E-01	6.16990E-01	6.40580E-02	1.55390E-01
2.20360E+03	1.00280E-01	6.17180E-01	6.18880E-02	1.50130E-01
2.20370E+03	9.68190E-02	6.17380E-01	5.97730E-02	1.45000E-01
2.20380E+03	9.34580E-02	6.17570E-01	5.77170E-02	1.40010E-01
2.20390E+03	9.01960E-02	6.17740E-01	5.57180E-02	1.35160E-01
2.20400E+03	8.70350E-02	6.17920E-01	5.37800E-02	1.30460E-01
2.20410E+03	8.39720E-02	6.18100E-01	5.19030E-02	1.25900E-01
2.20420E+03	8.10040E-02	6.18280E-01	5.00830E-02	1.21490E-01
2.20430E+03	7.81240E-02	6.18360E-01	4.83090E-02	1.17190E-01
2.20440E+03	7.53230E-02	6.18440E-01	4.65830E-02	1.13000E-01
2.20450E+03	7.25920E-02	6.18510E-01	4.48990E-02	1.08910E-01
2.20460E+03	6.99210E-02	6.18590E-01	4.32520E-02	1.04920E-01
2.20470E+03	6.73020E-02	6.18660E-01	4.16370E-02	1.01000E-01
2.20480E+03	6.47270E-02	6.18730E-01	4.00490E-02	9.71490E-02
2.20490E+03	6.21950E-02	6.18810E-01	3.84860E-02	9.33590E-02
2.20500E+03	5.97050E-02	6.18880E-01	3.69500E-02	8.96330E-02
2.20510E+03	5.72650E-02	6.18960E-01	3.54450E-02	8.59810E-02
2.20520E+03	5.48830E-02	6.19050E-01	3.39750E-02	8.24150E-02
2.20530E+03	5.25730E-02	6.19130E-01	3.25490E-02	7.89570E-02
2.20540E+03	5.03500E-02	6.19210E-01	3.11770E-02	7.56290E-02
2.20550E+03	4.82320E-02	6.19290E-01	2.98700E-02	7.24570E-02
2.20560E+03	4.62340E-02	6.19380E-01	2.86360E-02	6.94640E-02
2.20570E+03	4.43700E-02	6.19460E-01	2.74850E-02	6.66720E-02
2.20580E+03	4.26500E-02	6.19540E-01	2.64230E-02	6.40960E-02
2.20590E+03	4.10780E-02	6.19620E-01	2.54530E-02	6.17430E-02

2.20600E+03	3.96540E-02	6.19710E-01	2.45740E-02	5.96100E-02
2.20610E+03	3.83680E-02	6.19760E-01	2.37790E-02	5.76810E-02
2.20620E+03	3.72060E-02	6.19800E-01	2.30600E-02	5.59390E-02
2.20630E+03	3.61480E-02	6.19850E-01	2.24060E-02	5.43520E-02
2.20640E+03	3.51680E-02	6.19900E-01	2.18010E-02	5.28840E-02
2.20650E+03	3.42400E-02	6.19950E-01	2.12270E-02	5.14920E-02
2.20660E+03	3.33350E-02	6.20000E-01	2.06680E-02	5.01350E-02
2.20670E+03	3.24270E-02	6.20040E-01	2.01060E-02	4.87720E-02
2.20680E+03	3.14920E-02	6.20090E-01	1.95280E-02	4.73700E-02
2.20690E+03	3.05130E-02	6.20140E-01	1.89220E-02	4.59010E-02
2.20700E+03	2.94790E-02	6.20190E-01	1.82830E-02	4.43500E-02
2.20710E+03	2.83870E-02	6.20240E-01	1.76070E-02	4.27100E-02
2.20720E+03	2.72400E-02	6.20300E-01	1.68970E-02	4.09880E-02
2.20730E+03	2.60490E-02	6.20350E-01	1.61600E-02	3.92000E-02
2.20740E+03	2.49120E-02	6.20400E-01	1.54550E-02	3.74910E-02
2.20750E+03	2.39470E-02	6.20460E-01	1.48580E-02	3.60420E-02
2.20760E+03	2.30040E-02	6.20510E-01	1.42740E-02	3.46260E-02
2.20770E+03	2.20830E-02	6.20570E-01	1.37040E-02	3.32430E-02
2.20780E+03	2.11850E-02	6.20620E-01	1.31480E-02	3.18940E-02
2.20790E+03	2.03110E-02	6.20680E-01	1.26060E-02	3.05800E-02
2.20800E+03	1.94610E-02	6.20730E-01	1.20800E-02	2.93030E-02
2.20810E+03	1.86380E-02	6.20770E-01	1.15700E-02	2.80650E-02
2.20820E+03	1.78420E-02	6.20810E-01	1.10770E-02	2.68700E-02
2.20830E+03	1.70780E-02	6.20800E-01	1.06020E-02	2.57170E-02
2.20840E+03	1.63450E-02	6.20800E-01	1.01470E-02	2.46140E-02
2.20850E+03	1.56460E-02	6.20800E-01	9.71280E-03	2.35610E-02
2.20860E+03	1.49830E-02	6.20790E-01	9.30120E-03	2.25630E-02
2.20870E+03	1.43570E-02	6.20790E-01	8.91280E-03	2.16200E-02
2.20880E+03	1.37700E-02	6.20780E-01	8.54830E-03	2.07360E-02
2.20890E+03	1.32220E-02	6.20780E-01	8.20810E-03	1.99110E-02
2.20900E+03	1.27140E-02	6.20770E-01	7.89220E-03	1.91450E-02
2.20910E+03	1.22430E-02	6.20770E-01	7.60030E-03	1.84360E-02
2.20920E+03	1.18110E-02	6.20770E-01	7.33170E-03	1.77850E-02
2.20930E+03	1.14140E-02	6.20770E-01	7.08560E-03	1.71880E-02
2.20940E+03	1.10520E-02	6.20770E-01	6.86040E-03	1.66420E-02
2.20950E+03	1.07200E-02	6.20770E-01	6.65490E-03	1.61430E-02
2.20960E+03	1.04180E-02	6.20770E-01	6.46730E-03	1.56880E-02
2.20970E+03	1.01420E-02	6.20770E-01	6.29590E-03	1.52720E-02
2.20980E+03	9.88910E-03	6.20770E-01	6.13880E-03	1.48910E-02
2.20990E+03	9.65630E-03	6.20770E-01	5.99430E-03	1.45410E-02
2.21000E+03	9.44100E-03	6.20770E-01	5.86070E-03	1.42170E-02
2.21010E+03	9.24040E-03	6.20800E-01	5.73640E-03	1.39150E-02
2.21020E+03	9.05190E-03	6.20840E-01	5.61980E-03	1.36320E-02

2.21030E+03	8.87320E-03	6.20870E-01	5.50910E-03	1.33640E-02
2.21040E+03	8.70200E-03	6.20900E-01	5.40310E-03	1.31070E-02
2.21050E+03	8.53630E-03	6.21030E-01	5.30130E-03	1.28600E-02
2.21060E+03	8.37400E-03	6.21150E-01	5.20150E-03	1.26180E-02
2.21070E+03	8.21340E-03	6.21270E-01	5.10280E-03	1.23780E-02
2.21080E+03	8.05270E-03	6.21400E-01	5.00400E-03	1.21380E-02
2.21090E+03	7.89030E-03	6.21520E-01	4.90400E-03	1.18960E-02
2.21100E+03	7.72470E-03	6.21650E-01	4.80200E-03	1.16490E-02
2.21110E+03	7.55460E-03	6.21800E-01	4.69740E-03	1.13950E-02
2.21120E+03	7.37870E-03	6.21950E-01	4.58920E-03	1.11320E-02
2.21130E+03	7.19640E-03	6.22100E-01	4.47690E-03	1.08600E-02
2.21140E+03	7.00720E-03	6.22250E-01	4.36020E-03	1.05770E-02
2.21150E+03	6.81110E-03	6.22400E-01	4.23920E-03	1.02830E-02
2.21160E+03	6.60860E-03	6.22550E-01	4.11420E-03	9.98010E-03
2.21170E+03	6.40070E-03	6.22700E-01	3.98570E-03	9.66850E-03
2.21180E+03	6.18890E-03	6.22860E-01	3.85480E-03	9.35080E-03
2.21190E+03	5.97500E-03	6.23010E-01	3.72250E-03	9.02990E-03
2.21200E+03	5.76140E-03	6.23160E-01	3.59030E-03	8.70910E-03
2.21210E+03	5.55050E-03	6.23320E-01	3.45970E-03	8.39240E-03
2.21220E+03	5.34470E-03	6.23480E-01	3.33230E-03	8.08340E-03
2.21230E+03	5.14660E-03	6.23640E-01	3.20960E-03	7.78580E-03
2.21240E+03	4.95850E-03	6.23800E-01	3.09310E-03	7.50320E-03
2.21250E+03	4.78230E-03	6.23970E-01	2.98400E-03	7.23850E-03
2.21260E+03	4.61950E-03	6.24130E-01	2.88310E-03	6.99380E-03
2.21270E+03	4.47080E-03	6.24260E-01	2.79100E-03	6.77020E-03
2.21280E+03	4.33650E-03	6.24390E-01	2.70770E-03	6.56820E-03
2.21290E+03	4.21610E-03	6.24530E-01	2.63300E-03	6.38710E-03
2.21300E+03	4.10820E-03	6.24660E-01	2.56620E-03	6.22500E-03
2.21310E+03	4.01110E-03	6.24790E-01	2.50610E-03	6.07920E-03
2.21320E+03	3.92260E-03	6.24920E-01	2.45130E-03	5.94630E-03
2.21330E+03	3.84010E-03	6.25060E-01	2.40030E-03	5.82260E-03
2.21340E+03	3.76110E-03	6.25200E-01	2.35150E-03	5.70410E-03
2.21350E+03	3.68320E-03	6.25340E-01	2.30330E-03	5.58720E-03
2.21360E+03	3.60420E-03	6.25480E-01	2.25440E-03	5.46860E-03
2.21370E+03	3.52250E-03	6.25620E-01	2.20380E-03	5.34580E-03
2.21380E+03	3.43690E-03	6.25760E-01	2.15070E-03	5.21710E-03
2.21390E+03	3.34700E-03	6.25900E-01	2.09490E-03	5.08160E-03
2.21400E+03	3.25270E-03	6.26040E-01	2.03630E-03	4.93970E-03
2.21410E+03	3.15500E-03	6.26170E-01	1.97550E-03	4.79220E-03
2.21420E+03	3.05500E-03	6.26300E-01	1.91330E-03	4.64130E-03
2.21430E+03	2.95450E-03	6.26430E-01	1.85080E-03	4.48950E-03
2.21440E+03	2.85560E-03	6.26560E-01	1.78920E-03	4.34020E-03
2.21450E+03	2.76060E-03	6.26690E-01	1.73000E-03	4.19660E-03

2.21460E+03	2.67160E-03	6.26820E-01	1.67460E-03	4.06220E-03
2.21470E+03	2.59060E-03	6.26950E-01	1.62420E-03	3.93990E-03
2.21480E+03	2.51920E-03	6.27080E-01	1.57970E-03	3.83200E-03
2.21490E+03	2.45820E-03	6.27180E-01	1.54180E-03	3.73990E-03
2.21500E+03	2.40830E-03	6.27280E-01	1.51060E-03	3.66440E-03
2.21510E+03	2.36900E-03	6.27380E-01	1.48630E-03	3.60540E-03
2.21520E+03	2.34000E-03	6.27490E-01	1.46830E-03	3.56170E-03
2.21530E+03	2.31990E-03	6.27600E-01	1.45590E-03	3.53170E-03
2.21540E+03	2.30730E-03	6.27710E-01	1.44830E-03	3.51320E-03
2.21550E+03	2.30050E-03	6.27810E-01	1.44430E-03	3.50350E-03
2.21560E+03	2.29770E-03	6.27920E-01	1.44280E-03	3.49980E-03
2.21570E+03	2.29700E-03	6.28030E-01	1.44260E-03	3.49930E-03
2.21580E+03	2.29660E-03	6.28140E-01	1.44260E-03	3.49930E-03
2.21590E+03	2.29490E-03	6.28240E-01	1.44170E-03	3.49730E-03
2.21600E+03	2.29060E-03	6.28350E-01	1.43930E-03	3.49130E-03
2.21610E+03	2.28270E-03	6.28450E-01	1.43460E-03	3.47990E-03
2.21620E+03	2.27080E-03	6.28540E-01	1.42730E-03	3.46220E-03
2.21630E+03	2.25450E-03	6.28640E-01	1.41730E-03	3.43800E-03
2.21640E+03	2.23400E-03	6.28730E-01	1.40460E-03	3.40720E-03
2.21650E+03	2.20950E-03	6.28830E-01	1.38940E-03	3.37030E-03
2.21660E+03	2.18140E-03	6.28930E-01	1.37190E-03	3.32790E-03
2.21670E+03	2.14990E-03	6.29020E-01	1.35230E-03	3.28050E-03
2.21680E+03	2.11540E-03	6.29120E-01	1.33080E-03	3.22820E-03
2.21690E+03	2.07760E-03	6.29210E-01	1.30730E-03	3.17110E-03
2.21700E+03	2.03660E-03	6.29310E-01	1.28160E-03	3.10890E-03
2.21710E+03	1.99180E-03	6.29410E-01	1.25370E-03	3.04110E-03
2.21720E+03	1.94280E-03	6.29520E-01	1.22310E-03	2.96680E-03
2.21730E+03	1.88910E-03	6.29630E-01	1.18940E-03	2.88530E-03
2.21740E+03	1.83000E-03	6.29730E-01	1.15240E-03	2.79550E-03
2.21750E+03	1.76490E-03	6.29840E-01	1.11160E-03	2.69650E-03
2.21760E+03	1.69320E-03	6.29950E-01	1.06660E-03	2.58740E-03
2.21770E+03	1.61450E-03	6.30050E-01	1.01720E-03	2.46750E-03
2.21780E+03	1.52860E-03	6.30160E-01	9.63270E-04	2.33670E-03
2.21790E+03	1.43570E-03	6.30260E-01	9.04880E-04	2.19500E-03
2.21800E+03	1.33680E-03	6.30380E-01	8.42720E-04	2.04420E-03
2.21810E+03	1.37000E-03	6.30500E-01	8.63750E-04	2.09530E-03
2.21820E+03	1.37900E-03	6.30620E-01	8.69660E-04	2.10960E-03
2.21830E+03	1.36790E-03	6.30740E-01	8.62820E-04	2.09300E-03
2.21840E+03	1.32680E-03	6.30860E-01	8.37060E-04	2.03050E-03
2.21850E+03	1.24800E-03	6.30990E-01	7.87480E-04	1.91020E-03
2.21860E+03	1.12670E-03	6.31110E-01	7.11080E-04	1.72490E-03
2.21870E+03	9.61960E-04	6.31230E-01	6.07220E-04	1.47300E-03
2.21880E+03	7.57310E-04	6.31350E-01	4.78130E-04	1.15980E-03

2.21890E+03	5.22110E-04	6.31480E-01	3.29700E-04	7.99770E-04
2.21900E+03	2.77820E-04	6.31600E-01	1.75470E-04	4.25650E-04
2.21910E+03	0.00000E+00	6.31720E-01	0.00000E+00	0.00000E+00
Channel 14				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.17980E+03	0.00000E+00	6.00590E-01	0.00000E+00	0.00000E+00
2.17990E+03	5.29230E-04	6.00680E-01	3.17900E-04	8.05640E-04
2.18000E+03	4.09970E-04	6.00760E-01	2.46290E-04	6.24160E-04
2.18010E+03	3.97010E-04	6.00800E-01	2.38520E-04	6.04480E-04
2.18020E+03	4.94690E-04	6.00840E-01	2.97230E-04	7.53260E-04
2.18030E+03	6.98050E-04	6.00880E-01	4.19440E-04	1.06300E-03
2.18040E+03	9.94060E-04	6.00920E-01	5.97350E-04	1.51390E-03
2.18050E+03	1.36260E-03	6.00960E-01	8.18890E-04	2.07530E-03
2.18060E+03	1.77820E-03	6.01000E-01	1.06870E-03	2.70840E-03
2.18070E+03	2.21130E-03	6.01040E-01	1.32910E-03	3.36830E-03
2.18080E+03	2.63120E-03	6.01080E-01	1.58160E-03	4.00810E-03
2.18090E+03	2.23090E-03	6.01120E-01	1.34110E-03	3.39870E-03
2.18100E+03	2.31010E-03	6.01160E-01	1.38880E-03	3.51950E-03
2.18110E+03	2.38920E-03	6.01210E-01	1.43640E-03	3.64030E-03
2.18120E+03	2.46780E-03	6.01250E-01	1.48370E-03	3.76020E-03
2.18130E+03	2.54550E-03	6.01290E-01	1.53060E-03	3.87890E-03
2.18140E+03	2.62260E-03	6.01330E-01	1.57700E-03	3.99660E-03
2.18150E+03	2.69930E-03	6.01370E-01	1.62330E-03	4.11380E-03
2.18160E+03	2.77630E-03	6.01410E-01	1.66970E-03	4.23150E-03
2.18170E+03	2.85430E-03	6.01450E-01	1.71670E-03	4.35070E-03
2.18180E+03	2.93430E-03	6.01490E-01	1.76490E-03	4.47280E-03
2.18190E+03	3.01700E-03	6.01570E-01	1.81490E-03	4.59950E-03
2.18200E+03	3.10360E-03	6.01640E-01	1.86720E-03	4.73210E-03
2.18210E+03	3.19480E-03	6.01730E-01	1.92240E-03	4.87200E-03
2.18220E+03	3.29160E-03	6.01820E-01	1.98090E-03	5.02020E-03
2.18230E+03	3.39450E-03	6.01910E-01	2.04320E-03	5.17790E-03
2.18240E+03	3.50400E-03	6.02000E-01	2.10940E-03	5.34570E-03
2.18250E+03	3.62030E-03	6.02080E-01	2.17970E-03	5.52400E-03
2.18260E+03	3.74340E-03	6.02170E-01	2.25420E-03	5.71270E-03
2.18270E+03	3.87310E-03	6.02260E-01	2.33260E-03	5.91140E-03
2.18280E+03	4.00870E-03	6.02350E-01	2.41460E-03	6.11930E-03
2.18290E+03	4.14940E-03	6.02440E-01	2.49980E-03	6.33510E-03
2.18300E+03	4.29420E-03	6.02520E-01	2.58740E-03	6.55710E-03
2.18310E+03	4.44180E-03	6.02610E-01	2.67670E-03	6.78350E-03
2.18320E+03	4.59080E-03	6.02700E-01	2.76690E-03	7.01200E-03

2.18330E+03	4.73960E-03	6.02780E-01	2.85690E-03	7.24030E-03
2.18340E+03	4.88650E-03	6.02870E-01	2.94590E-03	7.46580E-03
2.18350E+03	5.03010E-03	6.02950E-01	3.03290E-03	7.68620E-03
2.18360E+03	5.16860E-03	6.03040E-01	3.11690E-03	7.89910E-03
2.18370E+03	5.30080E-03	6.03130E-01	3.19710E-03	8.10220E-03
2.18380E+03	5.42540E-03	6.03210E-01	3.27270E-03	8.29380E-03
2.18390E+03	5.54120E-03	6.03300E-01	3.34300E-03	8.47210E-03
2.18400E+03	5.64760E-03	6.03390E-01	3.40770E-03	8.63610E-03
2.18410E+03	5.74400E-03	6.03480E-01	3.46640E-03	8.78480E-03
2.18420E+03	5.83010E-03	6.03570E-01	3.51890E-03	8.91780E-03
2.18430E+03	5.90610E-03	6.03660E-01	3.56520E-03	9.03530E-03
2.18440E+03	5.97210E-03	6.03750E-01	3.60560E-03	9.13760E-03
2.18450E+03	6.02870E-03	6.03840E-01	3.64030E-03	9.22560E-03
2.18460E+03	6.07670E-03	6.03930E-01	3.66990E-03	9.30040E-03
2.18470E+03	6.11700E-03	6.04020E-01	3.69480E-03	9.36360E-03
2.18480E+03	6.15080E-03	6.04110E-01	3.71580E-03	9.41680E-03
2.18490E+03	6.17940E-03	6.04200E-01	3.73360E-03	9.46190E-03
2.18500E+03	6.20410E-03	6.04290E-01	3.74900E-03	9.50110E-03
2.18510E+03	6.22630E-03	6.04340E-01	3.76280E-03	9.53600E-03
2.18520E+03	6.24760E-03	6.04400E-01	3.77600E-03	9.56950E-03
2.18530E+03	6.26970E-03	6.04450E-01	3.78970E-03	9.60410E-03
2.18540E+03	6.29410E-03	6.04500E-01	3.80480E-03	9.64250E-03
2.18550E+03	6.32270E-03	6.04560E-01	3.82250E-03	9.68720E-03
2.18560E+03	6.35740E-03	6.04610E-01	3.84380E-03	9.74110E-03
2.18570E+03	6.39990E-03	6.04670E-01	3.86980E-03	9.80720E-03
2.18580E+03	6.45240E-03	6.04720E-01	3.90190E-03	9.88850E-03
2.18590E+03	6.51670E-03	6.04780E-01	3.94120E-03	9.98800E-03
2.18600E+03	6.59510E-03	6.04830E-01	3.98890E-03	1.01090E-02
2.18610E+03	6.68950E-03	6.04870E-01	4.04620E-03	1.02540E-02
2.18620E+03	6.80180E-03	6.04900E-01	4.11450E-03	1.04270E-02
2.18630E+03	6.93400E-03	6.04950E-01	4.19470E-03	1.06310E-02
2.18640E+03	7.08760E-03	6.05010E-01	4.28810E-03	1.08670E-02
2.18650E+03	7.26410E-03	6.05080E-01	4.39530E-03	1.11390E-02
2.18660E+03	7.46430E-03	6.05140E-01	4.51700E-03	1.14470E-02
2.18670E+03	7.68900E-03	6.05210E-01	4.65350E-03	1.17930E-02
2.18680E+03	7.93830E-03	6.05270E-01	4.80480E-03	1.21770E-02
2.18690E+03	8.21170E-03	6.05340E-01	4.97090E-03	1.25980E-02
2.18700E+03	8.50850E-03	6.05400E-01	5.15100E-03	1.30540E-02
2.18710E+03	8.82700E-03	6.05470E-01	5.34450E-03	1.35440E-02
2.18720E+03	9.16540E-03	6.05540E-01	5.55000E-03	1.40650E-02
2.18730E+03	9.52130E-03	6.05610E-01	5.76620E-03	1.46130E-02
2.18740E+03	9.89210E-03	6.05680E-01	5.99140E-03	1.51840E-02
2.18750E+03	1.02750E-02	6.05750E-01	6.22390E-03	1.57730E-02

2.18760E+03	1.06660E-02	6.05820E-01	6.46190E-03	1.63760E-02
2.18770E+03	1.10640E-02	6.05890E-01	6.70370E-03	1.69890E-02
2.18780E+03	1.14650E-02	6.05960E-01	6.94740E-03	1.76070E-02
2.18790E+03	1.18670E-02	6.06030E-01	7.19190E-03	1.82260E-02
2.18800E+03	1.22690E-02	6.06100E-01	7.43600E-03	1.88450E-02
2.18810E+03	1.26680E-02	6.06270E-01	7.67990E-03	1.94630E-02
2.18820E+03	1.30640E-02	6.06430E-01	7.92240E-03	2.00780E-02
2.18830E+03	1.34580E-02	6.06590E-01	8.16350E-03	2.06890E-02
2.18840E+03	1.38500E-02	6.06750E-01	8.40380E-03	2.12970E-02
2.18850E+03	1.42430E-02	6.06940E-01	8.64450E-03	2.19070E-02
2.18860E+03	1.46380E-02	6.07120E-01	8.88670E-03	2.25210E-02
2.18870E+03	1.50370E-02	6.07300E-01	9.13210E-03	2.31430E-02
2.18880E+03	1.54460E-02	6.07480E-01	9.38290E-03	2.37790E-02
2.18890E+03	1.58660E-02	6.07660E-01	9.64110E-03	2.44330E-02
2.18900E+03	1.63020E-02	6.07850E-01	9.90910E-03	2.51120E-02
2.18910E+03	1.67570E-02	6.08030E-01	1.01890E-02	2.58220E-02
2.18920E+03	1.72360E-02	6.08220E-01	1.04830E-02	2.65680E-02
2.18930E+03	1.77410E-02	6.08400E-01	1.07940E-02	2.73550E-02
2.18940E+03	1.82760E-02	6.08580E-01	1.11230E-02	2.81880E-02
2.18950E+03	1.88430E-02	6.08770E-01	1.14710E-02	2.90710E-02
2.18960E+03	1.94440E-02	6.08950E-01	1.18410E-02	3.00070E-02
2.18970E+03	2.00810E-02	6.09140E-01	1.22320E-02	3.10000E-02
2.18980E+03	2.07560E-02	6.09320E-01	1.26470E-02	3.20510E-02
2.18990E+03	2.14690E-02	6.09510E-01	1.30850E-02	3.31620E-02
2.19000E+03	2.22200E-02	6.09690E-01	1.35480E-02	3.43330E-02
2.19010E+03	2.30120E-02	6.09750E-01	1.40320E-02	3.55600E-02
2.19020E+03	2.38440E-02	6.09810E-01	1.45400E-02	3.68490E-02
2.19030E+03	2.47160E-02	6.09880E-01	1.50740E-02	3.82010E-02
2.19040E+03	2.56300E-02	6.09940E-01	1.56330E-02	3.96170E-02
2.19050E+03	2.65860E-02	6.10000E-01	1.62170E-02	4.10990E-02
2.19060E+03	2.75850E-02	6.10060E-01	1.68290E-02	4.26490E-02
2.19070E+03	2.86300E-02	6.10120E-01	1.74680E-02	4.42680E-02
2.19080E+03	2.97220E-02	6.10180E-01	1.81360E-02	4.59620E-02
2.19090E+03	3.08640E-02	6.10240E-01	1.88340E-02	4.77310E-02
2.19100E+03	3.10900E-02	6.10300E-01	1.89740E-02	4.80860E-02
2.19110E+03	3.24310E-02	6.10360E-01	1.97950E-02	5.01650E-02
2.19120E+03	3.38140E-02	6.10420E-01	2.06410E-02	5.23090E-02
2.19130E+03	3.52290E-02	6.10480E-01	2.15070E-02	5.45040E-02
2.19140E+03	3.66700E-02	6.10540E-01	2.23890E-02	5.67390E-02
2.19150E+03	3.81350E-02	6.10600E-01	2.32850E-02	5.90100E-02
2.19160E+03	3.96230E-02	6.10660E-01	2.41960E-02	6.13190E-02
2.19170E+03	4.11400E-02	6.10710E-01	2.51250E-02	6.36730E-02
2.19180E+03	4.26960E-02	6.10770E-01	2.60780E-02	6.60880E-02

2.19190E+03	4.43050E-02	6.10830E-01	2.70630E-02	6.85850E-02
2.19200E+03	4.59810E-02	6.10890E-01	2.80890E-02	7.11860E-02
2.19210E+03	4.77410E-02	6.10890E-01	2.91650E-02	7.39120E-02
2.19220E+03	4.96040E-02	6.10890E-01	3.03020E-02	7.67950E-02
2.19230E+03	5.15840E-02	6.10830E-01	3.15090E-02	7.98530E-02
2.19240E+03	5.36960E-02	6.10760E-01	3.27950E-02	8.31110E-02
2.19250E+03	5.59480E-02	6.10680E-01	3.41660E-02	8.65870E-02
2.19260E+03	5.83480E-02	6.10600E-01	3.56270E-02	9.02890E-02
2.19270E+03	6.08950E-02	6.10530E-01	3.71780E-02	9.42190E-02
2.19280E+03	6.35880E-02	6.10450E-01	3.88170E-02	9.83730E-02
2.19290E+03	6.64180E-02	6.10350E-01	4.05390E-02	1.02740E-01
2.19300E+03	6.93780E-02	6.10260E-01	4.23380E-02	1.07300E-01
2.19310E+03	7.24550E-02	6.10160E-01	4.42090E-02	1.12040E-01
2.19320E+03	7.56390E-02	6.10060E-01	4.61450E-02	1.16940E-01
2.19330E+03	7.89210E-02	6.09970E-01	4.81390E-02	1.22000E-01
2.19340E+03	8.22940E-02	6.09870E-01	5.01880E-02	1.27190E-01
2.19350E+03	8.57550E-02	6.09770E-01	5.22910E-02	1.32520E-01
2.19360E+03	8.93070E-02	6.09670E-01	5.44480E-02	1.37990E-01
2.19370E+03	9.29580E-02	6.09580E-01	5.66650E-02	1.43610E-01
2.19380E+03	9.67220E-02	6.09480E-01	5.89500E-02	1.49400E-01
2.19390E+03	1.00620E-01	6.09380E-01	6.13130E-02	1.55380E-01
2.19400E+03	1.04660E-01	6.09300E-01	6.37690E-02	1.61610E-01
2.19410E+03	1.08880E-01	6.09340E-01	6.63440E-02	1.68130E-01
2.19420E+03	1.13300E-01	6.09380E-01	6.90420E-02	1.74970E-01
2.19430E+03	1.17940E-01	6.09420E-01	7.18750E-02	1.82150E-01
2.19440E+03	1.22820E-01	6.09460E-01	7.48570E-02	1.89710E-01
2.19450E+03	1.27970E-01	6.09510E-01	7.79980E-02	1.97670E-01
2.19460E+03	1.33380E-01	6.09550E-01	8.13030E-02	2.06040E-01
2.19470E+03	1.39070E-01	6.09590E-01	8.47740E-02	2.14840E-01
2.19480E+03	1.45020E-01	6.09630E-01	8.84080E-02	2.24050E-01
2.19490E+03	1.51230E-01	6.09670E-01	9.22020E-02	2.33660E-01
2.19500E+03	1.57680E-01	6.09710E-01	9.61420E-02	2.43650E-01
2.19510E+03	1.64360E-01	6.09810E-01	1.00230E-01	2.54000E-01
2.19520E+03	1.71230E-01	6.09910E-01	1.04430E-01	2.64660E-01
2.19530E+03	1.78260E-01	6.10010E-01	1.08740E-01	2.75580E-01
2.19540E+03	1.85440E-01	6.10100E-01	1.13140E-01	2.86720E-01
2.19550E+03	1.92730E-01	6.10200E-01	1.17610E-01	2.98050E-01
2.19560E+03	2.00120E-01	6.10300E-01	1.22130E-01	3.09520E-01
2.19570E+03	2.07580E-01	6.10400E-01	1.26710E-01	3.21110E-01
2.19580E+03	2.15110E-01	6.10500E-01	1.31320E-01	3.32810E-01
2.19590E+03	2.22690E-01	6.10590E-01	1.35980E-01	3.44600E-01
2.19600E+03	2.30330E-01	6.10690E-01	1.40660E-01	3.56480E-01
2.19610E+03	2.38030E-01	6.10750E-01	1.45380E-01	3.68430E-01

2.19620E+03	2.45800E-01	6.10790E-01	1.50130E-01	3.80470E-01
2.19630E+03	2.53630E-01	6.10830E-01	1.54930E-01	3.92630E-01
2.19640E+03	2.61550E-01	6.10870E-01	1.59780E-01	4.04910E-01
2.19650E+03	2.69560E-01	6.10920E-01	1.64680E-01	4.17330E-01
2.19660E+03	2.77650E-01	6.10960E-01	1.69630E-01	4.29900E-01
2.19670E+03	2.85840E-01	6.11000E-01	1.74650E-01	4.42600E-01
2.19680E+03	2.94110E-01	6.11050E-01	1.79710E-01	4.55440E-01
2.19690E+03	3.02450E-01	6.11090E-01	1.84820E-01	4.68390E-01
2.19700E+03	3.10850E-01	6.11130E-01	1.89970E-01	4.81440E-01
2.19710E+03	3.19280E-01	6.11180E-01	1.95140E-01	4.94540E-01
2.19720E+03	3.27730E-01	6.11230E-01	2.00320E-01	5.07660E-01
2.19730E+03	3.36160E-01	6.11220E-01	2.05470E-01	5.20710E-01
2.19740E+03	3.44540E-01	6.11220E-01	2.10590E-01	5.33680E-01
2.19750E+03	3.52850E-01	6.11210E-01	2.15660E-01	5.46550E-01
2.19760E+03	3.61060E-01	6.11200E-01	2.20680E-01	5.59270E-01
2.19770E+03	3.69150E-01	6.11200E-01	2.25630E-01	5.71800E-01
2.19780E+03	3.77110E-01	6.11190E-01	2.30490E-01	5.84120E-01
2.19790E+03	3.84930E-01	6.11190E-01	2.35270E-01	5.96230E-01
2.19800E+03	3.92610E-01	6.11180E-01	2.39950E-01	6.08110E-01
2.19810E+03	4.00140E-01	6.11130E-01	2.44540E-01	6.19730E-01
2.19820E+03	4.07540E-01	6.11090E-01	2.49040E-01	6.31130E-01
2.19830E+03	4.14810E-01	6.11040E-01	2.53470E-01	6.42350E-01
2.19840E+03	4.21980E-01	6.10990E-01	2.57830E-01	6.53400E-01
2.19850E+03	4.29060E-01	6.10940E-01	2.62130E-01	6.64310E-01
2.19860E+03	4.36060E-01	6.10890E-01	2.66380E-01	6.75090E-01
2.19870E+03	4.42980E-01	6.10850E-01	2.70600E-01	6.85760E-01
2.19880E+03	4.49850E-01	6.10800E-01	2.74770E-01	6.96340E-01
2.19890E+03	4.56670E-01	6.10750E-01	2.78910E-01	7.06830E-01
2.19900E+03	4.63410E-01	6.10700E-01	2.83010E-01	7.17220E-01
2.19910E+03	4.70090E-01	6.10660E-01	2.87060E-01	7.27500E-01
2.19920E+03	4.76680E-01	6.10610E-01	2.91070E-01	7.37640E-01
2.19930E+03	4.83160E-01	6.10560E-01	2.95000E-01	7.47610E-01
2.19940E+03	4.89510E-01	6.10510E-01	2.98850E-01	7.57380E-01
2.19950E+03	4.95700E-01	6.10560E-01	3.02660E-01	7.67020E-01
2.19960E+03	5.01710E-01	6.10610E-01	3.06350E-01	7.76380E-01
2.19970E+03	5.07510E-01	6.10660E-01	3.09920E-01	7.85410E-01
2.19980E+03	5.13080E-01	6.10710E-01	3.13340E-01	7.94100E-01
2.19990E+03	5.18400E-01	6.10760E-01	3.16620E-01	8.02400E-01
2.20000E+03	5.23470E-01	6.10820E-01	3.19740E-01	8.10320E-01
2.20010E+03	5.28270E-01	6.10990E-01	3.22770E-01	8.17980E-01
2.20020E+03	5.32800E-01	6.11170E-01	3.25630E-01	8.25240E-01
2.20030E+03	5.37080E-01	6.11340E-01	3.28340E-01	8.32100E-01
2.20040E+03	5.41110E-01	6.11520E-01	3.30900E-01	8.38580E-01

2.20050E+03	5.44910E-01	6.11690E-01	3.33310E-01	8.44710E-01
2.20060E+03	5.48490E-01	6.11860E-01	3.35600E-01	8.50510E-01
2.20070E+03	5.51880E-01	6.12040E-01	3.37770E-01	8.56010E-01
2.20080E+03	5.55100E-01	6.12210E-01	3.39840E-01	8.61250E-01
2.20090E+03	5.58160E-01	6.12390E-01	3.41810E-01	8.66240E-01
2.20100E+03	5.61080E-01	6.12560E-01	3.43700E-01	8.71020E-01
2.20110E+03	5.63870E-01	6.12730E-01	3.45500E-01	8.75600E-01
2.20120E+03	5.66530E-01	6.12910E-01	3.47230E-01	8.79980E-01
2.20130E+03	5.69080E-01	6.13080E-01	3.48890E-01	8.84190E-01
2.20140E+03	5.71500E-01	6.13260E-01	3.50480E-01	8.88200E-01
2.20150E+03	5.73800E-01	6.13430E-01	3.51980E-01	8.92020E-01
2.20160E+03	5.75960E-01	6.13600E-01	3.53410E-01	8.95640E-01
2.20170E+03	5.77980E-01	6.13710E-01	3.54710E-01	8.98940E-01
2.20180E+03	5.79850E-01	6.13820E-01	3.55930E-01	9.02010E-01
2.20190E+03	5.81560E-01	6.13930E-01	3.57040E-01	9.04840E-01
2.20200E+03	5.83110E-01	6.14040E-01	3.58050E-01	9.07410E-01
2.20210E+03	5.84490E-01	6.14230E-01	3.59010E-01	9.09830E-01
2.20220E+03	5.85700E-01	6.14430E-01	3.59870E-01	9.12000E-01
2.20230E+03	5.86740E-01	6.14630E-01	3.60620E-01	9.13920E-01
2.20240E+03	5.87620E-01	6.14820E-01	3.61280E-01	9.15580E-01
2.20250E+03	5.88340E-01	6.15020E-01	3.61840E-01	9.17010E-01
2.20260E+03	5.88930E-01	6.15220E-01	3.62320E-01	9.18210E-01
2.20270E+03	5.89380E-01	6.15420E-01	3.62710E-01	9.19210E-01
2.20280E+03	5.89720E-01	6.15610E-01	3.63040E-01	9.20040E-01
2.20290E+03	5.89950E-01	6.15810E-01	3.63300E-01	9.20700E-01
2.20300E+03	5.90100E-01	6.16010E-01	3.63510E-01	9.21220E-01
2.20310E+03	5.90170E-01	6.16200E-01	3.63660E-01	9.21620E-01
2.20320E+03	5.90160E-01	6.16400E-01	3.63780E-01	9.21910E-01
2.20330E+03	5.90100E-01	6.16590E-01	3.63850E-01	9.22100E-01
2.20340E+03	5.89990E-01	6.16790E-01	3.63900E-01	9.22220E-01
2.20350E+03	5.89820E-01	6.16990E-01	3.63910E-01	9.22250E-01
2.20360E+03	5.89610E-01	6.17180E-01	3.63900E-01	9.22210E-01
2.20370E+03	5.89360E-01	6.17380E-01	3.63860E-01	9.22110E-01
2.20380E+03	5.89070E-01	6.17570E-01	3.63790E-01	9.21950E-01
2.20390E+03	5.88740E-01	6.17740E-01	3.63690E-01	9.21700E-01
2.20400E+03	5.88390E-01	6.17920E-01	3.63580E-01	9.21400E-01
2.20410E+03	5.88010E-01	6.18100E-01	3.63450E-01	9.21080E-01
2.20420E+03	5.87620E-01	6.18280E-01	3.63310E-01	9.20740E-01
2.20430E+03	5.87230E-01	6.18360E-01	3.63120E-01	9.20240E-01
2.20440E+03	5.86840E-01	6.18440E-01	3.62930E-01	9.19750E-01
2.20450E+03	5.86480E-01	6.18510E-01	3.62750E-01	9.19300E-01
2.20460E+03	5.86160E-01	6.18590E-01	3.62590E-01	9.18900E-01
2.20470E+03	5.85890E-01	6.18660E-01	3.62470E-01	9.18590E-01

2.20480E+03	5.85680E-01	6.18730E-01	3.62380E-01	9.18370E-01
2.20490E+03	5.85550E-01	6.18810E-01	3.62340E-01	9.18270E-01
2.20500E+03	5.85490E-01	6.18880E-01	3.62350E-01	9.18290E-01
2.20510E+03	5.85530E-01	6.18960E-01	3.62420E-01	9.18470E-01
2.20520E+03	5.85650E-01	6.19050E-01	3.62550E-01	9.18790E-01
2.20530E+03	5.85870E-01	6.19130E-01	3.62730E-01	9.19250E-01
2.20540E+03	5.86160E-01	6.19210E-01	3.62960E-01	9.19840E-01
2.20550E+03	5.86530E-01	6.19290E-01	3.63240E-01	9.20540E-01
2.20560E+03	5.86970E-01	6.19380E-01	3.63560E-01	9.21360E-01
2.20570E+03	5.87470E-01	6.19460E-01	3.63910E-01	9.22260E-01
2.20580E+03	5.88010E-01	6.19540E-01	3.64300E-01	9.23220E-01
2.20590E+03	5.88580E-01	6.19620E-01	3.64700E-01	9.24250E-01
2.20600E+03	5.89180E-01	6.19710E-01	3.65120E-01	9.25310E-01
2.20610E+03	5.89790E-01	6.19760E-01	3.65530E-01	9.26340E-01
2.20620E+03	5.90410E-01	6.19800E-01	3.65940E-01	9.27390E-01
2.20630E+03	5.91050E-01	6.19850E-01	3.66360E-01	9.28460E-01
2.20640E+03	5.91690E-01	6.19900E-01	3.66790E-01	9.29540E-01
2.20650E+03	5.92350E-01	6.19950E-01	3.67220E-01	9.30640E-01
2.20660E+03	5.93020E-01	6.20000E-01	3.67670E-01	9.31770E-01
2.20670E+03	5.93720E-01	6.20040E-01	3.68130E-01	9.32940E-01
2.20680E+03	5.94440E-01	6.20090E-01	3.68610E-01	9.34160E-01
2.20690E+03	5.95210E-01	6.20140E-01	3.69110E-01	9.35440E-01
2.20700E+03	5.96020E-01	6.20190E-01	3.69650E-01	9.36780E-01
2.20710E+03	5.96880E-01	6.20240E-01	3.70210E-01	9.38220E-01
2.20720E+03	5.97800E-01	6.20300E-01	3.70810E-01	9.39730E-01
2.20730E+03	5.98760E-01	6.20350E-01	3.71440E-01	9.41330E-01
2.20740E+03	5.99770E-01	6.20400E-01	3.72100E-01	9.43000E-01
2.20750E+03	6.00820E-01	6.20460E-01	3.72780E-01	9.44730E-01
2.20760E+03	6.01900E-01	6.20510E-01	3.73490E-01	9.46520E-01
2.20770E+03	6.03000E-01	6.20570E-01	3.74210E-01	9.48340E-01
2.20780E+03	6.04120E-01	6.20620E-01	3.74930E-01	9.50180E-01
2.20790E+03	6.05240E-01	6.20680E-01	3.75660E-01	9.52020E-01
2.20800E+03	6.06340E-01	6.20730E-01	3.76370E-01	9.53830E-01
2.20810E+03	6.07420E-01	6.20770E-01	3.77070E-01	9.55600E-01
2.20820E+03	6.08480E-01	6.20810E-01	3.77750E-01	9.57310E-01
2.20830E+03	6.09490E-01	6.20800E-01	3.78380E-01	9.58910E-01
2.20840E+03	6.10470E-01	6.20800E-01	3.78980E-01	9.60440E-01
2.20850E+03	6.11420E-01	6.20800E-01	3.79560E-01	9.61920E-01
2.20860E+03	6.12330E-01	6.20790E-01	3.80130E-01	9.63340E-01
2.20870E+03	6.13210E-01	6.20790E-01	3.80670E-01	9.64720E-01
2.20880E+03	6.14070E-01	6.20780E-01	3.81200E-01	9.66070E-01
2.20890E+03	6.14920E-01	6.20780E-01	3.81730E-01	9.67410E-01
2.20900E+03	6.15780E-01	6.20770E-01	3.82260E-01	9.68740E-01

2.20910E+03	6.16640E-01	6.20770E-01	3.82790E-01	9.70100E-01
2.20920E+03	6.17520E-01	6.20770E-01	3.83340E-01	9.71480E-01
2.20930E+03	6.18430E-01	6.20770E-01	3.83900E-01	9.72910E-01
2.20940E+03	6.19360E-01	6.20770E-01	3.84480E-01	9.74370E-01
2.20950E+03	6.20320E-01	6.20770E-01	3.85080E-01	9.75890E-01
2.20960E+03	6.21320E-01	6.20770E-01	3.85690E-01	9.77450E-01
2.20970E+03	6.22330E-01	6.20770E-01	3.86320E-01	9.79050E-01
2.20980E+03	6.23370E-01	6.20770E-01	3.86970E-01	9.80680E-01
2.20990E+03	6.24410E-01	6.20770E-01	3.87610E-01	9.82320E-01
2.21000E+03	6.25460E-01	6.20770E-01	3.88260E-01	9.83960E-01
2.21010E+03	6.26480E-01	6.20800E-01	3.88920E-01	9.85630E-01
2.21020E+03	6.27480E-01	6.20840E-01	3.89560E-01	9.87260E-01
2.21030E+03	6.28440E-01	6.20870E-01	3.90180E-01	9.88820E-01
2.21040E+03	6.29340E-01	6.20900E-01	3.90760E-01	9.90300E-01
2.21050E+03	6.30180E-01	6.21030E-01	3.91360E-01	9.91820E-01
2.21060E+03	6.30950E-01	6.21150E-01	3.91910E-01	9.93220E-01
2.21070E+03	6.31630E-01	6.21270E-01	3.92420E-01	9.94490E-01
2.21080E+03	6.32230E-01	6.21400E-01	3.92870E-01	9.95630E-01
2.21090E+03	6.32740E-01	6.21520E-01	3.93260E-01	9.96630E-01
2.21100E+03	6.33150E-01	6.21650E-01	3.93590E-01	9.97480E-01
2.21110E+03	6.33470E-01	6.21800E-01	3.93890E-01	9.98230E-01
2.21120E+03	6.33710E-01	6.21950E-01	3.94130E-01	9.98840E-01
2.21130E+03	6.33850E-01	6.22100E-01	3.94320E-01	9.99310E-01
2.21140E+03	6.33920E-01	6.22250E-01	3.94450E-01	9.99650E-01
2.21150E+03	6.33900E-01	6.22400E-01	3.94540E-01	9.99880E-01
2.21160E+03	6.33820E-01	6.22550E-01	3.94590E-01	9.99990E-01
2.21170E+03	6.33670E-01	6.22700E-01	3.94590E-01	1.00000E+00
2.21180E+03	6.33460E-01	6.22860E-01	3.94560E-01	9.99910E-01
2.21190E+03	6.33200E-01	6.23010E-01	3.94490E-01	9.99740E-01
2.21200E+03	6.32880E-01	6.23160E-01	3.94390E-01	9.99480E-01
2.21210E+03	6.32520E-01	6.23320E-01	3.94260E-01	9.99170E-01
2.21220E+03	6.32110E-01	6.23480E-01	3.94110E-01	9.98780E-01
2.21230E+03	6.31650E-01	6.23640E-01	3.93930E-01	9.98310E-01
2.21240E+03	6.31150E-01	6.23800E-01	3.93710E-01	9.97770E-01
2.21250E+03	6.30590E-01	6.23970E-01	3.93470E-01	9.97150E-01
2.21260E+03	6.29980E-01	6.24130E-01	3.93190E-01	9.96440E-01
2.21270E+03	6.29300E-01	6.24260E-01	3.92850E-01	9.95580E-01
2.21280E+03	6.28550E-01	6.24390E-01	3.92470E-01	9.94610E-01
2.21290E+03	6.27730E-01	6.24530E-01	3.92030E-01	9.93510E-01
2.21300E+03	6.26800E-01	6.24660E-01	3.91540E-01	9.92270E-01
2.21310E+03	6.25780E-01	6.24790E-01	3.90980E-01	9.90850E-01
2.21320E+03	6.24630E-01	6.24920E-01	3.90350E-01	9.89250E-01
2.21330E+03	6.23350E-01	6.25060E-01	3.89630E-01	9.87440E-01

2.21340E+03	6.21930E-01	6.25200E-01	3.88830E-01	9.85400E-01
2.21350E+03	6.20350E-01	6.25340E-01	3.87930E-01	9.83110E-01
2.21360E+03	6.18600E-01	6.25480E-01	3.86920E-01	9.80560E-01
2.21370E+03	6.16670E-01	6.25620E-01	3.85800E-01	9.77720E-01
2.21380E+03	6.14550E-01	6.25760E-01	3.84560E-01	9.74580E-01
2.21390E+03	6.12250E-01	6.25900E-01	3.83210E-01	9.71150E-01
2.21400E+03	6.09760E-01	6.26040E-01	3.81730E-01	9.67410E-01
2.21410E+03	6.07080E-01	6.26170E-01	3.80130E-01	9.63360E-01
2.21420E+03	6.04220E-01	6.26300E-01	3.78420E-01	9.59020E-01
2.21430E+03	6.01180E-01	6.26430E-01	3.76590E-01	9.54390E-01
2.21440E+03	5.97970E-01	6.26560E-01	3.74660E-01	9.49490E-01
2.21450E+03	5.94600E-01	6.26690E-01	3.72630E-01	9.44340E-01
2.21460E+03	5.91090E-01	6.26820E-01	3.70500E-01	9.38960E-01
2.21470E+03	5.87440E-01	6.26950E-01	3.68290E-01	9.33360E-01
2.21480E+03	5.83670E-01	6.27080E-01	3.66010E-01	9.27560E-01
2.21490E+03	5.79780E-01	6.27180E-01	3.63620E-01	9.21520E-01
2.21500E+03	5.75790E-01	6.27280E-01	3.61180E-01	9.15320E-01
2.21510E+03	5.71690E-01	6.27380E-01	3.58670E-01	9.08970E-01
2.21520E+03	5.67500E-01	6.27490E-01	3.56100E-01	9.02450E-01
2.21530E+03	5.63210E-01	6.27600E-01	3.53470E-01	8.95790E-01
2.21540E+03	5.58820E-01	6.27710E-01	3.50780E-01	8.88960E-01
2.21550E+03	5.54340E-01	6.27810E-01	3.48020E-01	8.81980E-01
2.21560E+03	5.49750E-01	6.27920E-01	3.45200E-01	8.74830E-01
2.21570E+03	5.45060E-01	6.28030E-01	3.42310E-01	8.67510E-01
2.21580E+03	5.40250E-01	6.28140E-01	3.39350E-01	8.60000E-01
2.21590E+03	5.35320E-01	6.28240E-01	3.36310E-01	8.52310E-01
2.21600E+03	5.30270E-01	6.28350E-01	3.33200E-01	8.44410E-01
2.21610E+03	5.25100E-01	6.28450E-01	3.30000E-01	8.36300E-01
2.21620E+03	5.19800E-01	6.28540E-01	3.26720E-01	8.27990E-01
2.21630E+03	5.14370E-01	6.28640E-01	3.23350E-01	8.19470E-01
2.21640E+03	5.08820E-01	6.28730E-01	3.19910E-01	8.10740E-01
2.21650E+03	5.03140E-01	6.28830E-01	3.16390E-01	8.01820E-01
2.21660E+03	4.97340E-01	6.28930E-01	3.12790E-01	7.92690E-01
2.21670E+03	4.91420E-01	6.29020E-01	3.09110E-01	7.83380E-01
2.21680E+03	4.85390E-01	6.29120E-01	3.05370E-01	7.73880E-01
2.21690E+03	4.79250E-01	6.29210E-01	3.01550E-01	7.64200E-01
2.21700E+03	4.73000E-01	6.29310E-01	2.97660E-01	7.54360E-01
2.21710E+03	4.66650E-01	6.29410E-01	2.93720E-01	7.44360E-01
2.21720E+03	4.60200E-01	6.29520E-01	2.89710E-01	7.34200E-01
2.21730E+03	4.53660E-01	6.29630E-01	2.85630E-01	7.23880E-01
2.21740E+03	4.47020E-01	6.29730E-01	2.81500E-01	7.13400E-01
2.21750E+03	4.40290E-01	6.29840E-01	2.77310E-01	7.02780E-01
2.21760E+03	4.33470E-01	6.29950E-01	2.73060E-01	6.92010E-01

2.21770E+03	4.26560E-01	6.30050E-01	2.68760E-01	6.81100E-01
2.21780E+03	4.19580E-01	6.30160E-01	2.64400E-01	6.70060E-01
2.21790E+03	4.12520E-01	6.30260E-01	2.60000E-01	6.58900E-01
2.21800E+03	4.05400E-01	6.30380E-01	2.55550E-01	6.47640E-01
2.21810E+03	3.98220E-01	6.30500E-01	2.51080E-01	6.36300E-01
2.21820E+03	3.91000E-01	6.30620E-01	2.46570E-01	6.24880E-01
2.21830E+03	3.83750E-01	6.30740E-01	2.42040E-01	6.13410E-01
2.21840E+03	3.76470E-01	6.30860E-01	2.37500E-01	6.01900E-01
2.21850E+03	3.69200E-01	6.30990E-01	2.32960E-01	5.90380E-01
2.21860E+03	3.61930E-01	6.31110E-01	2.28420E-01	5.78870E-01
2.21870E+03	3.54680E-01	6.31230E-01	2.23890E-01	5.67390E-01
2.21880E+03	3.47470E-01	6.31350E-01	2.19370E-01	5.55950E-01
2.21890E+03	3.40290E-01	6.31480E-01	2.14880E-01	5.44570E-01
2.21900E+03	3.33140E-01	6.31600E-01	2.10410E-01	5.33250E-01
2.21910E+03	3.26050E-01	6.31720E-01	2.05970E-01	5.21980E-01
2.21920E+03	3.18980E-01	6.31840E-01	2.01550E-01	5.10770E-01
2.21930E+03	3.11960E-01	6.31920E-01	1.97130E-01	4.99590E-01
2.21940E+03	3.04950E-01	6.32010E-01	1.92730E-01	4.88440E-01
2.21950E+03	2.97970E-01	6.32100E-01	1.88350E-01	4.77320E-01
2.21960E+03	2.91000E-01	6.32180E-01	1.83960E-01	4.66210E-01
2.21970E+03	2.84020E-01	6.32270E-01	1.79580E-01	4.55100E-01
2.21980E+03	2.77040E-01	6.32360E-01	1.75190E-01	4.43970E-01
2.21990E+03	2.70050E-01	6.32440E-01	1.70790E-01	4.32830E-01
2.22000E+03	2.63050E-01	6.32530E-01	1.66390E-01	4.21670E-01
2.22010E+03	2.56050E-01	6.32590E-01	1.61980E-01	4.10490E-01
2.22020E+03	2.49050E-01	6.32660E-01	1.57560E-01	3.99310E-01
2.22030E+03	2.42070E-01	6.32730E-01	1.53160E-01	3.88160E-01
2.22040E+03	2.35120E-01	6.32810E-01	1.48790E-01	3.77060E-01
2.22050E+03	2.28230E-01	6.32880E-01	1.44440E-01	3.66050E-01
2.22060E+03	2.21410E-01	6.32960E-01	1.40140E-01	3.55160E-01
2.22070E+03	2.14690E-01	6.33030E-01	1.35910E-01	3.44430E-01
2.22080E+03	2.08100E-01	6.33110E-01	1.31750E-01	3.33880E-01
2.22090E+03	2.01640E-01	6.33180E-01	1.27680E-01	3.23570E-01
2.22100E+03	1.95350E-01	6.33260E-01	1.23710E-01	3.13500E-01
2.22110E+03	1.89230E-01	6.33330E-01	1.19840E-01	3.03720E-01
2.22120E+03	1.83290E-01	6.33400E-01	1.16100E-01	2.94220E-01
2.22130E+03	1.77530E-01	6.33470E-01	1.12460E-01	2.85010E-01
2.22140E+03	1.71960E-01	6.33550E-01	1.08950E-01	2.76100E-01
2.22150E+03	1.66570E-01	6.33650E-01	1.05550E-01	2.67480E-01
2.22160E+03	1.61340E-01	6.33760E-01	1.02250E-01	2.59130E-01
2.22170E+03	1.56260E-01	6.33870E-01	9.90470E-02	2.51010E-01
2.22180E+03	1.51310E-01	6.33980E-01	9.59290E-02	2.43110E-01
2.22190E+03	1.46490E-01	6.34080E-01	9.28850E-02	2.35400E-01

2.22200E+03	1.41760E-01	6.34190E-01	8.99050E-02	2.27840E-01
2.22210E+03	1.37130E-01	6.34280E-01	8.69790E-02	2.20430E-01
2.22220E+03	1.32580E-01	6.34370E-01	8.41030E-02	2.13140E-01
2.22230E+03	1.28100E-01	6.34470E-01	8.12730E-02	2.05970E-01
2.22240E+03	1.23690E-01	6.34560E-01	7.84870E-02	1.98910E-01
2.22250E+03	1.19350E-01	6.34650E-01	7.57480E-02	1.91970E-01
2.22260E+03	1.15100E-01	6.34750E-01	7.30580E-02	1.85150E-01
2.22270E+03	1.10930E-01	6.34840E-01	7.04250E-02	1.78480E-01
2.22280E+03	1.06870E-01	6.34930E-01	6.78550E-02	1.71960E-01
2.22290E+03	1.02920E-01	6.35030E-01	6.53580E-02	1.65630E-01
2.22300E+03	9.91000E-02	6.35120E-01	6.29400E-02	1.59510E-01
2.22310E+03	9.54180E-02	6.35210E-01	6.06110E-02	1.53600E-01
2.22320E+03	9.18840E-02	6.35310E-01	5.83750E-02	1.47940E-01
2.22330E+03	8.85050E-02	6.35400E-01	5.62360E-02	1.42520E-01
2.22340E+03	8.52810E-02	6.35490E-01	5.41960E-02	1.37350E-01
2.22350E+03	8.22130E-02	6.35590E-01	5.22540E-02	1.32420E-01
2.22360E+03	7.92940E-02	6.35680E-01	5.04050E-02	1.27740E-01
2.22370E+03	7.65140E-02	6.35750E-01	4.86440E-02	1.23280E-01
2.22380E+03	7.38630E-02	6.35820E-01	4.69630E-02	1.19020E-01
2.22390E+03	7.13260E-02	6.35890E-01	4.53550E-02	1.14940E-01
2.22400E+03	6.88890E-02	6.35960E-01	4.38110E-02	1.11030E-01
2.22410E+03	6.65380E-02	6.36050E-01	4.23220E-02	1.07250E-01
2.22420E+03	6.42600E-02	6.36140E-01	4.08790E-02	1.03600E-01
2.22430E+03	6.20450E-02	6.36230E-01	3.94750E-02	1.00040E-01
2.22440E+03	5.98840E-02	6.36320E-01	3.81060E-02	9.65700E-02
2.22450E+03	5.77720E-02	6.36410E-01	3.67670E-02	9.31770E-02
2.22460E+03	5.57080E-02	6.36500E-01	3.54580E-02	8.98600E-02
2.22470E+03	5.36910E-02	6.36590E-01	3.41790E-02	8.66200E-02
2.22480E+03	5.17250E-02	6.36680E-01	3.29330E-02	8.34610E-02
2.22490E+03	4.98160E-02	6.36770E-01	3.17210E-02	8.03900E-02
2.22500E+03	4.79670E-02	6.36860E-01	3.05480E-02	7.74180E-02
2.22510E+03	4.61850E-02	6.36950E-01	2.94180E-02	7.45520E-02
2.22520E+03	4.44740E-02	6.37040E-01	2.83320E-02	7.18000E-02
2.22530E+03	4.28380E-02	6.37130E-01	2.72930E-02	6.91680E-02
2.22540E+03	4.12760E-02	6.37220E-01	2.63020E-02	6.66570E-02
2.22550E+03	3.97900E-02	6.37310E-01	2.53590E-02	6.42650E-02
2.22560E+03	3.83750E-02	6.37390E-01	2.44600E-02	6.19890E-02
2.22570E+03	3.70270E-02	6.37480E-01	2.36040E-02	5.98190E-02
2.22580E+03	3.57390E-02	6.37570E-01	2.27860E-02	5.77460E-02
2.22590E+03	3.45030E-02	6.37660E-01	2.20010E-02	5.57570E-02
2.22600E+03	3.33130E-02	6.37730E-01	2.12450E-02	5.38400E-02
2.22610E+03	3.21610E-02	6.37760E-01	2.05110E-02	5.19810E-02
2.22620E+03	3.10420E-02	6.37790E-01	1.97980E-02	5.01740E-02

2.22630E+03	3.05980E-02	6.37820E-01	1.95160E-02	4.94590E-02
2.22640E+03	2.95240E-02	6.37850E-01	1.88320E-02	4.77260E-02
2.22650E+03	2.84960E-02	6.37880E-01	1.81770E-02	4.60660E-02
2.22660E+03	2.75120E-02	6.37910E-01	1.75500E-02	4.44770E-02
2.22670E+03	2.65700E-02	6.37940E-01	1.69500E-02	4.29550E-02
2.22680E+03	2.56670E-02	6.37970E-01	1.63750E-02	4.14980E-02
2.22690E+03	2.48020E-02	6.38000E-01	1.58240E-02	4.01010E-02
2.22700E+03	2.39720E-02	6.38030E-01	1.52950E-02	3.87610E-02
2.22710E+03	2.31760E-02	6.38060E-01	1.47870E-02	3.74750E-02
2.22720E+03	2.24100E-02	6.38080E-01	1.43000E-02	3.62390E-02
2.22730E+03	2.16740E-02	6.38100E-01	1.38300E-02	3.50500E-02
2.22740E+03	2.09660E-02	6.38110E-01	1.33790E-02	3.39050E-02
2.22750E+03	2.02850E-02	6.38130E-01	1.29440E-02	3.28040E-02
2.22760E+03	1.96290E-02	6.38140E-01	1.25260E-02	3.17440E-02
2.22770E+03	1.89980E-02	6.38150E-01	1.21240E-02	3.07250E-02
2.22780E+03	1.83920E-02	6.38170E-01	1.17370E-02	2.97460E-02
2.22790E+03	1.78110E-02	6.38180E-01	1.13670E-02	2.88060E-02
2.22800E+03	1.72550E-02	6.38190E-01	1.10120E-02	2.79070E-02
2.22810E+03	1.67230E-02	6.38270E-01	1.06740E-02	2.70500E-02
2.22820E+03	1.62160E-02	6.38350E-01	1.03520E-02	2.62340E-02
2.22830E+03	1.57340E-02	6.38430E-01	1.00450E-02	2.54570E-02
2.22840E+03	1.52770E-02	6.38510E-01	9.75450E-03	2.47210E-02
2.22850E+03	1.48440E-02	6.38580E-01	9.47920E-03	2.40230E-02
2.22860E+03	1.44350E-02	6.38660E-01	9.21890E-03	2.33630E-02
2.22870E+03	1.40480E-02	6.38740E-01	8.97310E-03	2.27400E-02
2.22880E+03	1.36830E-02	6.38820E-01	8.74100E-03	2.21520E-02
2.22890E+03	1.33380E-02	6.38900E-01	8.52180E-03	2.15970E-02
2.22900E+03	1.30120E-02	6.38980E-01	8.31460E-03	2.10710E-02
2.22910E+03	1.27030E-02	6.39050E-01	8.11820E-03	2.05740E-02
2.22920E+03	1.24100E-02	6.39130E-01	7.93160E-03	2.01010E-02
2.22930E+03	1.21300E-02	6.39200E-01	7.75380E-03	1.96500E-02
2.22940E+03	1.18630E-02	6.39280E-01	7.58370E-03	1.92190E-02
2.22950E+03	1.16060E-02	6.39360E-01	7.42040E-03	1.88050E-02
2.22960E+03	1.13590E-02	6.39430E-01	7.26300E-03	1.84060E-02
2.22970E+03	1.11190E-02	6.39500E-01	7.11070E-03	1.80200E-02
2.22980E+03	1.08870E-02	6.39570E-01	6.96290E-03	1.76460E-02
2.22990E+03	1.06610E-02	6.39650E-01	6.81910E-03	1.72820E-02
2.23000E+03	1.04400E-02	6.39720E-01	6.67880E-03	1.69260E-02
2.23010E+03	1.02250E-02	6.39940E-01	6.54310E-03	1.65820E-02
2.23020E+03	1.00130E-02	6.40160E-01	6.41000E-03	1.62450E-02
2.23030E+03	9.80550E-03	6.40380E-01	6.27920E-03	1.59130E-02
2.23040E+03	9.60090E-03	6.40600E-01	6.15030E-03	1.55870E-02
2.23050E+03	9.39870E-03	6.40830E-01	6.02290E-03	1.52640E-02

2.23060E+03	9.19830E-03	6.41050E-01	5.89650E-03	1.49430E-02
2.23070E+03	8.99890E-03	6.41270E-01	5.77080E-03	1.46250E-02
2.23080E+03	8.79990E-03	6.41490E-01	5.64510E-03	1.43060E-02
2.23090E+03	8.60070E-03	6.41720E-01	5.51920E-03	1.39870E-02
2.23100E+03	8.40050E-03	6.41940E-01	5.39260E-03	1.36660E-02
2.23110E+03	8.19900E-03	6.42160E-01	5.26510E-03	1.33430E-02
2.23120E+03	7.99610E-03	6.42390E-01	5.13660E-03	1.30170E-02
2.23130E+03	7.79180E-03	6.42610E-01	5.00710E-03	1.26890E-02
2.23140E+03	7.58650E-03	6.42830E-01	4.87680E-03	1.23590E-02
2.23150E+03	7.38110E-03	6.43050E-01	4.74650E-03	1.20290E-02
2.23160E+03	7.17670E-03	6.43280E-01	4.61660E-03	1.17000E-02
2.23170E+03	6.97490E-03	6.43500E-01	4.48840E-03	1.13750E-02
2.23180E+03	6.77750E-03	6.43720E-01	4.36280E-03	1.10570E-02
2.23190E+03	6.58660E-03	6.43950E-01	4.24140E-03	1.07490E-02
2.23200E+03	6.40460E-03	6.44160E-01	4.12560E-03	1.04550E-02
2.23210E+03	6.23360E-03	6.44290E-01	4.01630E-03	1.01780E-02
2.23220E+03	6.07610E-03	6.44420E-01	3.91550E-03	9.92300E-03
2.23230E+03	5.93400E-03	6.44550E-01	3.82480E-03	9.69300E-03
2.23240E+03	5.80920E-03	6.44680E-01	3.74510E-03	9.49100E-03
2.23250E+03	5.70310E-03	6.44780E-01	3.67720E-03	9.31900E-03
2.23260E+03	5.61630E-03	6.44880E-01	3.62180E-03	9.17870E-03
2.23270E+03	5.54940E-03	6.44980E-01	3.57920E-03	9.07070E-03
2.23280E+03	5.50180E-03	6.45080E-01	3.54910E-03	8.99430E-03
2.23290E+03	5.47260E-03	6.45180E-01	3.53080E-03	8.94800E-03
2.23300E+03	5.46020E-03	6.45280E-01	3.52330E-03	8.92910E-03
2.23310E+03	5.46240E-03	6.45380E-01	3.52540E-03	8.93420E-03
2.23320E+03	5.47680E-03	6.45480E-01	3.53520E-03	8.95910E-03
2.23330E+03	5.50020E-03	6.45580E-01	3.55090E-03	8.99890E-03
2.23340E+03	5.52960E-03	6.45690E-01	3.57040E-03	9.04830E-03
2.23350E+03	5.56150E-03	6.45790E-01	3.59160E-03	9.10200E-03
2.23360E+03	5.59270E-03	6.45890E-01	3.61230E-03	9.15450E-03
2.23370E+03	5.62000E-03	6.45990E-01	3.63050E-03	9.20070E-03
2.23380E+03	5.64060E-03	6.46090E-01	3.64430E-03	9.23570E-03
2.23390E+03	5.65180E-03	6.46200E-01	3.65210E-03	9.25550E-03
2.23400E+03	5.65150E-03	6.46300E-01	3.65250E-03	9.25650E-03
2.23410E+03	5.63810E-03	6.46380E-01	3.64430E-03	9.23570E-03
2.23420E+03	5.61050E-03	6.46450E-01	3.62690E-03	9.19170E-03
2.23430E+03	5.56810E-03	6.46530E-01	3.60000E-03	9.12330E-03
2.23440E+03	5.51080E-03	6.46610E-01	3.56330E-03	9.03050E-03
2.23450E+03	5.43890E-03	6.46690E-01	3.51730E-03	8.91380E-03
2.23460E+03	5.35340E-03	6.46770E-01	3.46240E-03	8.77470E-03
2.23470E+03	5.25540E-03	6.46800E-01	3.39920E-03	8.61450E-03
2.23480E+03	5.14650E-03	6.46830E-01	3.32890E-03	8.43640E-03

2.23490E+03	5.02840E-03	6.46860E-01	3.25270E-03	8.24310E-03
2.23500E+03	4.90310E-03	6.46900E-01	3.17180E-03	8.03820E-03
2.23510E+03	4.77270E-03	6.46940E-01	3.08770E-03	7.82500E-03
2.23520E+03	4.63950E-03	6.46980E-01	3.00170E-03	7.60710E-03
2.23530E+03	4.50560E-03	6.47030E-01	2.91520E-03	7.38800E-03
2.23540E+03	4.37310E-03	6.47070E-01	2.82970E-03	7.17120E-03
2.23550E+03	4.24410E-03	6.47120E-01	2.74640E-03	6.96010E-03
2.23560E+03	4.12050E-03	6.47160E-01	2.66660E-03	6.75790E-03
2.23570E+03	4.00390E-03	6.47200E-01	2.59140E-03	6.56720E-03
2.23580E+03	3.89600E-03	6.47250E-01	2.52160E-03	6.39050E-03
2.23590E+03	3.79770E-03	6.47290E-01	2.45820E-03	6.22970E-03
2.23600E+03	3.70990E-03	6.47340E-01	2.40160E-03	6.08620E-03
2.23610E+03	3.63310E-03	6.47440E-01	2.35220E-03	5.96120E-03
2.23620E+03	3.56740E-03	6.47530E-01	2.31000E-03	5.85430E-03
2.23630E+03	3.51250E-03	6.47630E-01	2.27480E-03	5.76510E-03
2.23640E+03	3.46770E-03	6.47730E-01	2.24610E-03	5.69230E-03
2.23650E+03	3.43180E-03	6.47830E-01	2.22320E-03	5.63430E-03
2.23660E+03	3.40350E-03	6.47920E-01	2.20520E-03	5.58850E-03
2.23670E+03	3.38080E-03	6.48020E-01	2.19080E-03	5.55220E-03
2.23680E+03	3.36190E-03	6.48100E-01	2.17880E-03	5.52170E-03
2.23690E+03	3.34440E-03	6.48180E-01	2.16780E-03	5.49380E-03
2.23700E+03	3.32610E-03	6.48270E-01	2.15620E-03	5.46440E-03
2.23710E+03	3.30480E-03	6.48350E-01	2.14270E-03	5.43010E-03
2.23720E+03	3.27820E-03	6.48430E-01	2.12570E-03	5.38710E-03
2.23730E+03	3.24450E-03	6.48510E-01	2.10410E-03	5.33240E-03
2.23740E+03	3.20210E-03	6.48590E-01	2.07690E-03	5.26330E-03
2.23750E+03	3.14980E-03	6.48670E-01	2.04320E-03	5.17800E-03
2.23760E+03	3.08690E-03	6.48750E-01	2.00260E-03	5.07520E-03
2.23770E+03	3.01310E-03	6.48830E-01	1.95500E-03	4.95460E-03
2.23780E+03	2.92900E-03	6.48910E-01	1.90060E-03	4.81680E-03
2.23790E+03	2.83530E-03	6.48990E-01	1.84010E-03	4.66330E-03
2.23800E+03	2.73350E-03	6.49070E-01	1.77420E-03	4.49630E-03
2.23810E+03	2.62540E-03	6.49090E-01	1.70410E-03	4.31870E-03
2.23820E+03	2.51330E-03	6.49120E-01	1.63140E-03	4.13450E-03
2.23830E+03	3.17110E-03	6.49140E-01	2.05850E-03	5.21680E-03
2.23840E+03	3.09410E-03	6.49170E-01	2.00860E-03	5.09040E-03
2.23850E+03	2.94280E-03	6.49190E-01	1.91050E-03	4.84160E-03
2.23860E+03	2.71890E-03	6.49220E-01	1.76510E-03	4.47330E-03
2.23870E+03	2.43130E-03	6.49240E-01	1.57850E-03	4.00030E-03
2.23880E+03	2.09570E-03	6.49270E-01	1.36070E-03	3.44830E-03
2.23890E+03	1.73320E-03	6.49290E-01	1.12540E-03	2.85200E-03
2.23900E+03	1.36910E-03	6.49310E-01	8.88960E-04	2.25290E-03
2.23910E+03	1.03000E-03	6.49380E-01	6.68830E-04	1.69500E-03

2.23920E+03	7.42180E-04	6.49440E-01	4.82000E-04	1.22150E-03
2.23930E+03	0.00000E+00	6.49500E-01	0.00000E+00	0.00000E+00
Channel 15				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.20300E+03	0.00000E+00	6.16010E-01	0.00000E+00	0.00000E+00
2.20310E+03	2.25930E-03	6.16200E-01	1.39220E-03	2.74410E-03
2.20320E+03	2.23010E-03	6.16400E-01	1.37460E-03	2.70940E-03
2.20330E+03	2.30850E-03	6.16590E-01	1.42340E-03	2.80560E-03
2.20340E+03	2.48800E-03	6.16790E-01	1.53460E-03	3.02480E-03
2.20350E+03	2.75680E-03	6.16990E-01	1.70090E-03	3.35250E-03
2.20360E+03	3.02760E-03	6.17180E-01	1.86860E-03	3.68300E-03
2.20370E+03	3.08930E-03	6.17380E-01	1.90730E-03	3.75940E-03
2.20380E+03	3.13810E-03	6.17570E-01	1.93800E-03	3.81990E-03
2.20390E+03	3.18820E-03	6.17740E-01	1.96950E-03	3.88200E-03
2.20400E+03	3.23420E-03	6.17920E-01	1.99840E-03	3.93900E-03
2.20410E+03	3.28160E-03	6.18100E-01	2.02830E-03	3.99790E-03
2.20420E+03	3.33900E-03	6.18280E-01	2.06440E-03	4.06910E-03
2.20430E+03	3.38890E-03	6.18360E-01	2.09560E-03	4.13040E-03
2.20440E+03	3.43870E-03	6.18440E-01	2.12660E-03	4.19170E-03
2.20450E+03	3.48120E-03	6.18510E-01	2.15320E-03	4.24400E-03
2.20460E+03	3.53050E-03	6.18590E-01	2.18390E-03	4.30470E-03
2.20470E+03	3.55760E-03	6.18660E-01	2.20090E-03	4.33820E-03
2.20480E+03	3.60340E-03	6.18730E-01	2.22960E-03	4.39460E-03
2.20490E+03	3.66610E-03	6.18810E-01	2.26860E-03	4.47150E-03
2.20500E+03	3.74290E-03	6.18880E-01	2.31640E-03	4.56570E-03
2.20510E+03	3.83060E-03	6.18960E-01	2.37100E-03	4.67340E-03
2.20520E+03	3.92580E-03	6.19050E-01	2.43020E-03	4.79010E-03
2.20530E+03	4.02450E-03	6.19130E-01	2.49170E-03	4.91130E-03
2.20540E+03	4.12320E-03	6.19210E-01	2.55310E-03	5.03240E-03
2.20550E+03	4.21830E-03	6.19290E-01	2.61230E-03	5.14900E-03
2.20560E+03	4.30660E-03	6.19380E-01	2.66740E-03	5.25760E-03
2.20570E+03	4.38570E-03	6.19460E-01	2.71680E-03	5.35490E-03
2.20580E+03	4.45380E-03	6.19540E-01	2.75930E-03	5.43870E-03
2.20590E+03	4.50980E-03	6.19620E-01	2.79440E-03	5.50780E-03
2.20600E+03	4.55350E-03	6.19710E-01	2.82180E-03	5.56200E-03
2.20610E+03	4.58560E-03	6.19760E-01	2.84200E-03	5.60170E-03
2.20620E+03	4.60750E-03	6.19800E-01	2.85580E-03	5.62880E-03
2.20630E+03	4.62130E-03	6.19850E-01	2.86450E-03	5.64610E-03
2.20640E+03	4.62940E-03	6.19900E-01	2.86980E-03	5.65650E-03
2.20650E+03	4.63500E-03	6.19950E-01	2.87350E-03	5.66370E-03

2.20660E+03	4.64110E-03	6.20000E-01	2.87750E-03	5.67170E-03
2.20670E+03	4.65100E-03	6.20040E-01	2.88380E-03	5.68410E-03
2.20680E+03	4.66740E-03	6.20090E-01	2.89420E-03	5.70470E-03
2.20690E+03	4.69300E-03	6.20140E-01	2.91030E-03	5.73640E-03
2.20700E+03	4.72980E-03	6.20190E-01	2.93340E-03	5.78180E-03
2.20710E+03	4.77910E-03	6.20240E-01	2.96420E-03	5.84260E-03
2.20720E+03	4.84150E-03	6.20300E-01	3.00320E-03	5.91940E-03
2.20730E+03	4.91690E-03	6.20350E-01	3.05020E-03	6.01200E-03
2.20740E+03	5.00410E-03	6.20400E-01	3.10460E-03	6.11930E-03
2.20750E+03	5.10170E-03	6.20460E-01	3.16540E-03	6.23910E-03
2.20760E+03	5.20710E-03	6.20510E-01	3.23110E-03	6.36870E-03
2.20770E+03	5.31770E-03	6.20570E-01	3.30000E-03	6.50450E-03
2.20780E+03	5.43030E-03	6.20620E-01	3.37020E-03	6.64280E-03
2.20790E+03	5.54160E-03	6.20680E-01	3.43960E-03	6.77960E-03
2.20800E+03	5.64850E-03	6.20730E-01	3.50620E-03	6.91090E-03
2.20810E+03	5.74800E-03	6.20770E-01	3.56820E-03	7.03300E-03
2.20820E+03	5.83750E-03	6.20810E-01	3.62400E-03	7.14310E-03
2.20830E+03	5.91530E-03	6.20800E-01	3.67220E-03	7.23820E-03
2.20840E+03	5.98000E-03	6.20800E-01	3.71240E-03	7.31730E-03
2.20850E+03	6.03120E-03	6.20800E-01	3.74420E-03	7.37990E-03
2.20860E+03	6.06940E-03	6.20790E-01	3.76780E-03	7.42660E-03
2.20870E+03	6.09570E-03	6.20790E-01	3.78410E-03	7.45870E-03
2.20880E+03	6.11200E-03	6.20780E-01	3.79420E-03	7.47860E-03
2.20890E+03	6.12080E-03	6.20780E-01	3.79970E-03	7.48940E-03
2.20900E+03	6.12540E-03	6.20770E-01	3.80250E-03	7.49490E-03
2.20910E+03	6.12890E-03	6.20770E-01	3.80460E-03	7.49920E-03
2.20920E+03	6.13490E-03	6.20770E-01	3.80840E-03	7.50650E-03
2.20930E+03	6.14690E-03	6.20770E-01	3.81580E-03	7.52120E-03
2.20940E+03	6.16800E-03	6.20770E-01	3.82890E-03	7.54700E-03
2.20950E+03	6.20090E-03	6.20770E-01	3.84930E-03	7.58720E-03
2.20960E+03	6.24780E-03	6.20770E-01	3.87840E-03	7.64460E-03
2.20970E+03	6.31000E-03	6.20770E-01	3.91700E-03	7.72070E-03
2.20980E+03	6.38810E-03	6.20770E-01	3.96550E-03	7.81630E-03
2.20990E+03	6.48190E-03	6.20770E-01	4.02370E-03	7.93100E-03
2.21000E+03	6.59020E-03	6.20770E-01	4.09100E-03	8.06360E-03
2.21010E+03	6.71120E-03	6.20800E-01	4.16630E-03	8.21200E-03
2.21020E+03	6.84220E-03	6.20840E-01	4.24790E-03	8.37280E-03
2.21030E+03	6.98020E-03	6.20870E-01	4.33380E-03	8.54220E-03
2.21040E+03	7.12170E-03	6.20900E-01	4.42190E-03	8.71580E-03
2.21050E+03	7.26300E-03	6.21030E-01	4.51050E-03	8.89040E-03
2.21060E+03	7.40040E-03	6.21150E-01	4.59680E-03	9.06050E-03
2.21070E+03	7.53050E-03	6.21270E-01	4.67850E-03	9.22160E-03
2.21080E+03	7.65030E-03	6.21400E-01	4.75390E-03	9.37010E-03

2.21090E+03	7.75710E-03	6.21520E-01	4.82120E-03	9.50290E-03
2.21100E+03	7.84920E-03	6.21650E-01	4.87940E-03	9.61760E-03
2.21110E+03	7.92550E-03	6.21800E-01	4.92810E-03	9.71340E-03
2.21120E+03	7.98560E-03	6.21950E-01	4.96660E-03	9.78950E-03
2.21130E+03	8.03010E-03	6.22100E-01	4.99550E-03	9.84640E-03
2.21140E+03	8.06010E-03	6.22250E-01	5.01540E-03	9.88550E-03
2.21150E+03	8.07750E-03	6.22400E-01	5.02750E-03	9.90940E-03
2.21160E+03	8.08490E-03	6.22550E-01	5.03320E-03	9.92080E-03
2.21170E+03	8.08490E-03	6.22700E-01	5.03450E-03	9.92320E-03
2.21180E+03	8.08060E-03	6.22860E-01	5.03300E-03	9.92040E-03
2.21190E+03	8.07510E-03	6.23010E-01	5.03080E-03	9.91600E-03
2.21200E+03	8.07120E-03	6.23160E-01	5.02960E-03	9.91360E-03
2.21210E+03	8.07150E-03	6.23320E-01	5.03110E-03	9.91660E-03
2.21220E+03	8.07820E-03	6.23480E-01	5.03660E-03	9.92740E-03
2.21230E+03	8.09280E-03	6.23640E-01	5.04700E-03	9.94790E-03
2.21240E+03	8.11620E-03	6.23800E-01	5.06290E-03	9.97930E-03
2.21250E+03	8.14870E-03	6.23970E-01	5.08450E-03	1.00220E-02
2.21260E+03	8.18980E-03	6.24130E-01	5.11150E-03	1.00750E-02
2.21270E+03	8.23860E-03	6.24260E-01	5.14300E-03	1.01370E-02
2.21280E+03	8.29330E-03	6.24390E-01	5.17830E-03	1.02070E-02
2.21290E+03	8.35210E-03	6.24530E-01	5.21610E-03	1.02810E-02
2.21300E+03	8.41270E-03	6.24660E-01	5.25510E-03	1.03580E-02
2.21310E+03	8.47280E-03	6.24790E-01	5.29370E-03	1.04340E-02
2.21320E+03	8.53010E-03	6.24920E-01	5.33070E-03	1.05070E-02
2.21330E+03	8.58250E-03	6.25060E-01	5.36460E-03	1.05740E-02
2.21340E+03	8.62850E-03	6.25200E-01	5.39450E-03	1.06330E-02
2.21350E+03	8.66680E-03	6.25340E-01	5.41970E-03	1.06820E-02
2.21360E+03	8.69690E-03	6.25480E-01	5.43970E-03	1.07220E-02
2.21370E+03	8.71890E-03	6.25620E-01	5.45470E-03	1.07510E-02
2.21380E+03	8.73360E-03	6.25760E-01	5.46510E-03	1.07720E-02
2.21390E+03	8.74260E-03	6.25900E-01	5.47200E-03	1.07850E-02
2.21400E+03	8.74780E-03	6.26040E-01	5.47640E-03	1.07940E-02
2.21410E+03	8.75180E-03	6.26170E-01	5.48010E-03	1.08020E-02
2.21420E+03	8.75760E-03	6.26300E-01	5.48480E-03	1.08110E-02
2.21430E+03	8.76830E-03	6.26430E-01	5.49270E-03	1.08260E-02
2.21440E+03	8.78720E-03	6.26560E-01	5.50570E-03	1.08520E-02
2.21450E+03	8.81750E-03	6.26690E-01	5.52590E-03	1.08920E-02
2.21460E+03	8.86210E-03	6.26820E-01	5.55490E-03	1.09490E-02
2.21470E+03	8.92340E-03	6.26950E-01	5.59450E-03	1.10270E-02
2.21480E+03	9.00340E-03	6.27080E-01	5.64580E-03	1.11280E-02
2.21490E+03	9.10330E-03	6.27180E-01	5.70940E-03	1.12530E-02
2.21500E+03	9.22390E-03	6.27280E-01	5.78590E-03	1.14040E-02
2.21510E+03	9.36500E-03	6.27380E-01	5.87540E-03	1.15810E-02

2.21520E+03	9.52580E-03	6.27490E-01	5.97740E-03	1.17820E-02
2.21530E+03	9.70510E-03	6.27600E-01	6.09090E-03	1.20050E-02
2.21540E+03	9.90090E-03	6.27710E-01	6.21490E-03	1.22500E-02
2.21550E+03	1.01110E-02	6.27810E-01	6.34780E-03	1.25120E-02
2.21560E+03	1.03330E-02	6.27920E-01	6.48800E-03	1.27880E-02
2.21570E+03	1.05630E-02	6.28030E-01	6.63410E-03	1.30760E-02
2.21580E+03	1.08010E-02	6.28140E-01	6.78420E-03	1.33720E-02
2.21590E+03	1.10420E-02	6.28240E-01	6.93710E-03	1.36730E-02
2.21600E+03	1.12860E-02	6.28350E-01	7.09130E-03	1.39770E-02
2.21610E+03	1.15300E-02	6.28450E-01	7.24600E-03	1.42820E-02
2.21620E+03	1.17740E-02	6.28540E-01	7.40060E-03	1.45870E-02
2.21630E+03	1.20180E-02	6.28640E-01	7.55500E-03	1.48910E-02
2.21640E+03	1.22620E-02	6.28730E-01	7.70970E-03	1.51960E-02
2.21650E+03	1.25080E-02	6.28830E-01	7.86510E-03	1.55020E-02
2.21660E+03	1.27560E-02	6.28930E-01	8.02240E-03	1.58130E-02
2.21670E+03	1.30090E-02	6.29020E-01	8.18310E-03	1.61290E-02
2.21680E+03	1.32700E-02	6.29120E-01	8.34860E-03	1.64560E-02
2.21690E+03	1.35420E-02	6.29210E-01	8.52090E-03	1.67950E-02
2.21700E+03	1.38280E-02	6.29310E-01	8.70190E-03	1.71520E-02
2.21710E+03	1.41300E-02	6.29410E-01	8.89340E-03	1.75290E-02
2.21720E+03	1.44510E-02	6.29520E-01	9.09700E-03	1.79310E-02
2.21730E+03	1.47930E-02	6.29630E-01	9.31430E-03	1.83590E-02
2.21740E+03	1.51590E-02	6.29730E-01	9.54630E-03	1.88160E-02
2.21750E+03	1.55500E-02	6.29840E-01	9.79390E-03	1.93040E-02
2.21760E+03	1.59660E-02	6.29950E-01	1.00580E-02	1.98240E-02
2.21770E+03	1.64070E-02	6.30050E-01	1.03370E-02	2.03750E-02
2.21780E+03	1.68730E-02	6.30160E-01	1.06330E-02	2.09580E-02
2.21790E+03	1.73630E-02	6.30260E-01	1.09430E-02	2.15700E-02
2.21800E+03	1.78750E-02	6.30380E-01	1.12680E-02	2.22090E-02
2.21810E+03	1.84070E-02	6.30500E-01	1.16050E-02	2.28750E-02
2.21820E+03	1.89560E-02	6.30620E-01	1.19540E-02	2.35630E-02
2.21830E+03	1.95220E-02	6.30740E-01	1.23130E-02	2.42700E-02
2.21840E+03	2.01000E-02	6.30860E-01	1.26810E-02	2.49940E-02
2.21850E+03	2.06900E-02	6.30990E-01	1.30550E-02	2.57330E-02
2.21860E+03	2.12900E-02	6.31110E-01	1.34360E-02	2.64840E-02
2.21870E+03	2.18980E-02	6.31230E-01	1.38230E-02	2.72450E-02
2.21880E+03	2.25140E-02	6.31350E-01	1.42140E-02	2.80170E-02
2.21890E+03	2.31390E-02	6.31480E-01	1.46120E-02	2.88000E-02
2.21900E+03	2.37720E-02	6.31600E-01	1.50140E-02	2.95940E-02
2.21910E+03	2.44160E-02	6.31720E-01	1.54240E-02	3.04020E-02
2.21920E+03	2.50730E-02	6.31840E-01	1.58420E-02	3.12260E-02
2.21930E+03	2.51320E-02	6.31920E-01	1.58820E-02	3.13030E-02
2.21940E+03	2.61210E-02	6.32010E-01	1.65080E-02	3.25390E-02

2.21950E+03	2.71100E-02	6.32100E-01	1.71360E-02	3.37760E-02
2.21960E+03	2.80840E-02	6.32180E-01	1.77540E-02	3.49950E-02
2.21970E+03	2.90300E-02	6.32270E-01	1.83550E-02	3.61780E-02
2.21980E+03	2.99370E-02	6.32360E-01	1.89310E-02	3.73140E-02
2.21990E+03	3.07970E-02	6.32440E-01	1.94770E-02	3.83900E-02
2.22000E+03	3.16050E-02	6.32530E-01	1.99910E-02	3.94040E-02
2.22010E+03	3.23630E-02	6.32590E-01	2.04730E-02	4.03520E-02
2.22020E+03	3.30750E-02	6.32660E-01	2.09250E-02	4.12450E-02
2.22030E+03	3.37510E-02	6.32730E-01	2.13550E-02	4.20930E-02
2.22040E+03	3.44050E-02	6.32810E-01	2.17720E-02	4.29130E-02
2.22050E+03	3.50550E-02	6.32880E-01	2.21850E-02	4.37290E-02
2.22060E+03	3.57200E-02	6.32960E-01	2.26090E-02	4.45640E-02
2.22070E+03	3.64260E-02	6.33030E-01	2.30590E-02	4.54500E-02
2.22080E+03	3.71950E-02	6.33110E-01	2.35480E-02	4.64150E-02
2.22090E+03	3.80530E-02	6.33180E-01	2.40940E-02	4.74910E-02
2.22100E+03	3.90230E-02	6.33260E-01	2.47120E-02	4.87080E-02
2.22110E+03	4.01280E-02	6.33330E-01	2.54140E-02	5.00930E-02
2.22120E+03	4.13860E-02	6.33400E-01	2.62140E-02	5.16700E-02
2.22130E+03	4.28150E-02	6.33470E-01	2.71220E-02	5.34590E-02
2.22140E+03	4.44240E-02	6.33550E-01	2.81440E-02	5.54740E-02
2.22150E+03	4.62210E-02	6.33650E-01	2.92880E-02	5.77280E-02
2.22160E+03	4.82080E-02	6.33760E-01	3.05520E-02	6.02200E-02
2.22170E+03	5.03830E-02	6.33870E-01	3.19360E-02	6.29480E-02
2.22180E+03	5.27400E-02	6.33980E-01	3.34360E-02	6.59030E-02
2.22190E+03	5.52660E-02	6.34080E-01	3.50430E-02	6.90720E-02
2.22200E+03	5.79500E-02	6.34190E-01	3.67510E-02	7.24380E-02
2.22210E+03	6.07740E-02	6.34280E-01	3.85480E-02	7.59800E-02
2.22220E+03	6.37230E-02	6.34370E-01	4.04240E-02	7.96780E-02
2.22230E+03	6.67790E-02	6.34470E-01	4.23690E-02	8.35120E-02
2.22240E+03	6.99270E-02	6.34560E-01	4.43730E-02	8.74610E-02
2.22250E+03	7.31510E-02	6.34650E-01	4.64260E-02	9.15070E-02
2.22260E+03	7.64420E-02	6.34750E-01	4.85210E-02	9.56370E-02
2.22270E+03	7.97900E-02	6.34840E-01	5.06540E-02	9.98420E-02
2.22280E+03	8.31940E-02	6.34930E-01	5.28220E-02	1.04120E-01
2.22290E+03	8.66520E-02	6.35030E-01	5.50260E-02	1.08460E-01
2.22300E+03	9.01710E-02	6.35120E-01	5.72690E-02	1.12880E-01
2.22310E+03	9.37600E-02	6.35210E-01	5.95570E-02	1.17390E-01
2.22320E+03	9.74320E-02	6.35310E-01	6.18990E-02	1.22010E-01
2.22330E+03	1.01200E-01	6.35400E-01	6.43040E-02	1.26750E-01
2.22340E+03	1.05090E-01	6.35490E-01	6.67870E-02	1.31640E-01
2.22350E+03	1.09120E-01	6.35590E-01	6.93580E-02	1.36710E-01
2.22360E+03	1.13320E-01	6.35680E-01	7.20330E-02	1.41980E-01
2.22370E+03	1.17690E-01	6.35750E-01	7.48210E-02	1.47480E-01

2.22380E+03	1.22260E-01	6.35820E-01	7.77370E-02	1.53220E-01
2.22390E+03	1.27060E-01	6.35890E-01	8.07940E-02	1.59250E-01
2.22400E+03	1.32080E-01	6.35960E-01	8.39980E-02	1.65560E-01
2.22410E+03	1.37350E-01	6.36050E-01	8.73610E-02	1.72190E-01
2.22420E+03	1.42870E-01	6.36140E-01	9.08830E-02	1.79130E-01
2.22430E+03	1.48630E-01	6.36230E-01	9.45640E-02	1.86390E-01
2.22440E+03	1.54650E-01	6.36320E-01	9.84050E-02	1.93960E-01
2.22450E+03	1.60900E-01	6.36410E-01	1.02400E-01	2.01840E-01
2.22460E+03	1.67390E-01	6.36500E-01	1.06540E-01	2.10000E-01
2.22470E+03	1.74090E-01	6.36590E-01	1.10820E-01	2.18440E-01
2.22480E+03	1.80990E-01	6.36680E-01	1.15230E-01	2.27130E-01
2.22490E+03	1.88070E-01	6.36770E-01	1.19760E-01	2.36050E-01
2.22500E+03	1.95320E-01	6.36860E-01	1.24390E-01	2.45180E-01
2.22510E+03	2.02710E-01	6.36950E-01	1.29120E-01	2.54500E-01
2.22520E+03	2.10240E-01	6.37040E-01	1.33930E-01	2.63980E-01
2.22530E+03	2.17880E-01	6.37130E-01	1.38820E-01	2.73620E-01
2.22540E+03	2.25620E-01	6.37220E-01	1.43770E-01	2.83380E-01
2.22550E+03	2.33460E-01	6.37310E-01	1.48790E-01	2.93270E-01
2.22560E+03	2.41390E-01	6.37390E-01	1.53860E-01	3.03270E-01
2.22570E+03	2.49410E-01	6.37480E-01	1.59000E-01	3.13390E-01
2.22580E+03	2.57520E-01	6.37570E-01	1.64190E-01	3.23620E-01
2.22590E+03	2.65720E-01	6.37660E-01	1.69440E-01	3.33970E-01
2.22600E+03	2.74020E-01	6.37730E-01	1.74750E-01	3.44440E-01
2.22610E+03	2.82430E-01	6.37760E-01	1.80120E-01	3.55030E-01
2.22620E+03	2.90950E-01	6.37790E-01	1.85570E-01	3.65760E-01
2.22630E+03	2.99600E-01	6.37820E-01	1.91090E-01	3.76650E-01
2.22640E+03	3.08390E-01	6.37850E-01	1.96700E-01	3.87710E-01
2.22650E+03	3.17300E-01	6.37880E-01	2.02400E-01	3.98940E-01
2.22660E+03	3.26360E-01	6.37910E-01	2.08190E-01	4.10350E-01
2.22670E+03	3.35560E-01	6.37940E-01	2.14070E-01	4.21940E-01
2.22680E+03	3.44890E-01	6.37970E-01	2.20030E-01	4.33690E-01
2.22690E+03	3.54350E-01	6.38000E-01	2.26070E-01	4.45600E-01
2.22700E+03	3.63910E-01	6.38030E-01	2.32190E-01	4.57650E-01
2.22710E+03	3.73570E-01	6.38060E-01	2.38360E-01	4.69820E-01
2.22720E+03	3.83310E-01	6.38080E-01	2.44580E-01	4.82080E-01
2.22730E+03	3.93080E-01	6.38100E-01	2.50830E-01	4.94390E-01
2.22740E+03	4.02880E-01	6.38110E-01	2.57090E-01	5.06730E-01
2.22750E+03	4.12680E-01	6.38130E-01	2.63340E-01	5.19050E-01
2.22760E+03	4.22430E-01	6.38140E-01	2.69570E-01	5.31340E-01
2.22770E+03	4.32120E-01	6.38150E-01	2.75760E-01	5.43540E-01
2.22780E+03	4.41720E-01	6.38170E-01	2.81890E-01	5.55620E-01
2.22790E+03	4.51210E-01	6.38180E-01	2.87950E-01	5.67570E-01
2.22800E+03	4.60550E-01	6.38190E-01	2.93920E-01	5.79340E-01

2.22810E+03	4.69750E-01	6.38270E-01	2.99830E-01	5.90980E-01
2.22820E+03	4.78780E-01	6.38350E-01	3.05630E-01	6.02410E-01
2.22830E+03	4.87640E-01	6.38430E-01	3.11320E-01	6.13630E-01
2.22840E+03	4.96320E-01	6.38510E-01	3.16900E-01	6.24630E-01
2.22850E+03	5.04820E-01	6.38580E-01	3.22370E-01	6.35410E-01
2.22860E+03	5.13160E-01	6.38660E-01	3.27740E-01	6.45980E-01
2.22870E+03	5.21330E-01	6.38740E-01	3.33000E-01	6.56360E-01
2.22880E+03	5.29360E-01	6.38820E-01	3.38170E-01	6.66540E-01
2.22890E+03	5.37250E-01	6.38900E-01	3.43250E-01	6.76560E-01
2.22900E+03	5.45020E-01	6.38980E-01	3.48250E-01	6.86430E-01
2.22910E+03	5.52670E-01	6.39050E-01	3.53190E-01	6.96150E-01
2.22920E+03	5.60230E-01	6.39130E-01	3.58060E-01	7.05750E-01
2.22930E+03	5.67700E-01	6.39200E-01	3.62870E-01	7.15240E-01
2.22940E+03	5.75080E-01	6.39280E-01	3.67640E-01	7.24630E-01
2.22950E+03	5.82380E-01	6.39360E-01	3.72350E-01	7.33910E-01
2.22960E+03	5.89590E-01	6.39430E-01	3.77000E-01	7.43090E-01
2.22970E+03	5.96710E-01	6.39500E-01	3.81600E-01	7.52150E-01
2.22980E+03	6.03730E-01	6.39570E-01	3.86130E-01	7.61080E-01
2.22990E+03	6.10630E-01	6.39650E-01	3.90590E-01	7.69870E-01
2.23000E+03	6.17400E-01	6.39720E-01	3.94960E-01	7.78480E-01
2.23010E+03	6.24010E-01	6.39940E-01	3.99330E-01	7.87090E-01
2.23020E+03	6.30440E-01	6.40160E-01	4.03580E-01	7.95480E-01
2.23030E+03	6.36680E-01	6.40380E-01	4.07720E-01	8.03630E-01
2.23040E+03	6.42700E-01	6.40600E-01	4.11720E-01	8.11510E-01
2.23050E+03	6.48480E-01	6.40830E-01	4.15560E-01	8.19090E-01
2.23060E+03	6.54000E-01	6.41050E-01	4.19250E-01	8.26360E-01
2.23070E+03	6.59260E-01	6.41270E-01	4.22770E-01	8.33290E-01
2.23080E+03	6.64240E-01	6.41490E-01	4.26110E-01	8.39880E-01
2.23090E+03	6.68940E-01	6.41720E-01	4.29270E-01	8.46110E-01
2.23100E+03	6.73350E-01	6.41940E-01	4.32250E-01	8.51990E-01
2.23110E+03	6.77490E-01	6.42160E-01	4.35060E-01	8.57520E-01
2.23120E+03	6.81360E-01	6.42390E-01	4.37700E-01	8.62720E-01
2.23130E+03	6.84980E-01	6.42610E-01	4.40180E-01	8.67610E-01
2.23140E+03	6.88370E-01	6.42830E-01	4.42510E-01	8.72210E-01
2.23150E+03	6.91550E-01	6.43050E-01	4.44710E-01	8.76540E-01
2.23160E+03	6.94540E-01	6.43280E-01	4.46780E-01	8.80630E-01
2.23170E+03	6.97360E-01	6.43500E-01	4.48750E-01	8.84520E-01
2.23180E+03	7.00040E-01	6.43720E-01	4.50630E-01	8.88220E-01
2.23190E+03	7.02600E-01	6.43950E-01	4.52440E-01	8.91780E-01
2.23200E+03	7.05060E-01	6.44160E-01	4.54170E-01	8.95190E-01
2.23210E+03	7.07430E-01	6.44290E-01	4.55790E-01	8.98380E-01
2.23220E+03	7.09730E-01	6.44420E-01	4.57360E-01	9.01480E-01
2.23230E+03	7.11960E-01	6.44550E-01	4.58890E-01	9.04500E-01

2.23240E+03	7.14140E-01	6.44680E-01	4.60390E-01	9.07450E-01
2.23250E+03	7.16250E-01	6.44780E-01	4.61820E-01	9.10280E-01
2.23260E+03	7.18310E-01	6.44880E-01	4.63220E-01	9.13030E-01
2.23270E+03	7.20290E-01	6.44980E-01	4.64570E-01	9.15690E-01
2.23280E+03	7.22200E-01	6.45080E-01	4.65870E-01	9.18260E-01
2.23290E+03	7.24010E-01	6.45180E-01	4.67120E-01	9.20710E-01
2.23300E+03	7.25730E-01	6.45280E-01	4.68300E-01	9.23040E-01
2.23310E+03	7.27340E-01	6.45380E-01	4.69410E-01	9.25230E-01
2.23320E+03	7.28830E-01	6.45480E-01	4.70450E-01	9.27280E-01
2.23330E+03	7.30190E-01	6.45580E-01	4.71400E-01	9.29160E-01
2.23340E+03	7.31430E-01	6.45690E-01	4.72270E-01	9.30870E-01
2.23350E+03	7.32530E-01	6.45790E-01	4.73060E-01	9.32420E-01
2.23360E+03	7.33500E-01	6.45890E-01	4.73760E-01	9.33810E-01
2.23370E+03	7.34350E-01	6.45990E-01	4.74390E-01	9.35040E-01
2.23380E+03	7.35100E-01	6.46090E-01	4.74940E-01	9.36130E-01
2.23390E+03	7.35740E-01	6.46200E-01	4.75430E-01	9.37100E-01
2.23400E+03	7.36310E-01	6.46300E-01	4.75880E-01	9.37980E-01
2.23410E+03	7.36820E-01	6.46380E-01	4.76270E-01	9.38740E-01
2.23420E+03	7.37300E-01	6.46450E-01	4.76630E-01	9.39460E-01
2.23430E+03	7.37760E-01	6.46530E-01	4.76990E-01	9.40170E-01
2.23440E+03	7.38230E-01	6.46610E-01	4.77350E-01	9.40880E-01
2.23450E+03	7.38730E-01	6.46690E-01	4.77730E-01	9.41630E-01
2.23460E+03	7.39270E-01	6.46770E-01	4.78140E-01	9.42430E-01
2.23470E+03	7.39870E-01	6.46800E-01	4.78550E-01	9.43240E-01
2.23480E+03	7.40530E-01	6.46830E-01	4.79000E-01	9.44140E-01
2.23490E+03	7.41270E-01	6.46860E-01	4.79500E-01	9.45120E-01
2.23500E+03	7.42090E-01	6.46900E-01	4.80050E-01	9.46210E-01
2.23510E+03	7.42980E-01	6.46940E-01	4.80660E-01	9.47410E-01
2.23520E+03	7.43930E-01	6.46980E-01	4.81310E-01	9.48690E-01
2.23530E+03	7.44940E-01	6.47030E-01	4.81990E-01	9.50040E-01
2.23540E+03	7.45980E-01	6.47070E-01	4.82700E-01	9.51430E-01
2.23550E+03	7.47050E-01	6.47120E-01	4.83430E-01	9.52860E-01
2.23560E+03	7.48120E-01	6.47160E-01	4.84160E-01	9.54290E-01
2.23570E+03	7.49180E-01	6.47200E-01	4.84870E-01	9.55710E-01
2.23580E+03	7.50210E-01	6.47250E-01	4.85570E-01	9.57090E-01
2.23590E+03	7.51200E-01	6.47290E-01	4.86240E-01	9.58410E-01
2.23600E+03	7.52120E-01	6.47340E-01	4.86880E-01	9.59660E-01
2.23610E+03	7.52970E-01	6.47440E-01	4.87500E-01	9.60890E-01
2.23620E+03	7.53750E-01	6.47530E-01	4.88080E-01	9.62030E-01
2.23630E+03	7.54450E-01	6.47630E-01	4.88600E-01	9.63060E-01
2.23640E+03	7.55060E-01	6.47730E-01	4.89080E-01	9.63990E-01
2.23650E+03	7.55610E-01	6.47830E-01	4.89500E-01	9.64830E-01
2.23660E+03	7.56090E-01	6.47920E-01	4.89890E-01	9.65590E-01

2.23670E+03	7.56520E-01	6.48020E-01	4.90240E-01	9.66280E-01
2.23680E+03	7.56910E-01	6.48100E-01	4.90550E-01	9.66900E-01
2.23690E+03	7.57270E-01	6.48180E-01	4.90850E-01	9.67490E-01
2.23700E+03	7.57640E-01	6.48270E-01	4.91150E-01	9.68080E-01
2.23710E+03	7.58010E-01	6.48350E-01	4.91450E-01	9.68680E-01
2.23720E+03	7.58410E-01	6.48430E-01	4.91770E-01	9.69310E-01
2.23730E+03	7.58850E-01	6.48510E-01	4.92120E-01	9.70000E-01
2.23740E+03	7.59340E-01	6.48590E-01	4.92500E-01	9.70740E-01
2.23750E+03	7.59890E-01	6.48670E-01	4.92920E-01	9.71570E-01
2.23760E+03	7.60500E-01	6.48750E-01	4.93380E-01	9.72470E-01
2.23770E+03	7.61180E-01	6.48830E-01	4.93880E-01	9.73460E-01
2.23780E+03	7.61920E-01	6.48910E-01	4.94420E-01	9.74520E-01
2.23790E+03	7.62710E-01	6.48990E-01	4.95000E-01	9.75660E-01
2.23800E+03	7.63560E-01	6.49070E-01	4.95600E-01	9.76860E-01
2.23810E+03	7.64450E-01	6.49090E-01	4.96200E-01	9.78030E-01
2.23820E+03	7.65360E-01	6.49120E-01	4.96810E-01	9.79230E-01
2.23830E+03	7.66280E-01	6.49140E-01	4.97430E-01	9.80450E-01
2.23840E+03	7.67200E-01	6.49170E-01	4.98040E-01	9.81670E-01
2.23850E+03	7.68120E-01	6.49190E-01	4.98660E-01	9.82880E-01
2.23860E+03	7.69010E-01	6.49220E-01	4.99250E-01	9.84050E-01
2.23870E+03	7.69870E-01	6.49240E-01	4.99830E-01	9.85190E-01
2.23880E+03	7.70680E-01	6.49270E-01	5.00380E-01	9.86270E-01
2.23890E+03	7.71450E-01	6.49290E-01	5.00900E-01	9.87290E-01
2.23900E+03	7.72180E-01	6.49310E-01	5.01390E-01	9.88260E-01
2.23910E+03	7.72850E-01	6.49380E-01	5.01870E-01	9.89220E-01
2.23920E+03	7.73480E-01	6.49440E-01	5.02330E-01	9.90110E-01
2.23930E+03	7.74060E-01	6.49500E-01	5.02750E-01	9.90950E-01
2.23940E+03	7.74600E-01	6.49570E-01	5.03160E-01	9.91740E-01
2.23950E+03	7.75110E-01	6.49630E-01	5.03530E-01	9.92490E-01
2.23960E+03	7.75590E-01	6.49700E-01	5.03900E-01	9.93200E-01
2.23970E+03	7.76040E-01	6.49760E-01	5.04240E-01	9.93880E-01
2.23980E+03	7.76480E-01	6.49820E-01	5.04570E-01	9.94540E-01
2.23990E+03	7.76900E-01	6.49890E-01	5.04890E-01	9.95170E-01
2.24000E+03	7.77300E-01	6.49960E-01	5.05210E-01	9.95790E-01
2.24010E+03	7.77680E-01	6.50090E-01	5.05560E-01	9.96480E-01
2.24020E+03	7.78040E-01	6.50220E-01	5.05900E-01	9.97140E-01
2.24030E+03	7.78370E-01	6.50350E-01	5.06210E-01	9.97770E-01
2.24040E+03	7.78660E-01	6.50480E-01	5.06510E-01	9.98350E-01
2.24050E+03	7.78910E-01	6.50610E-01	5.06770E-01	9.98860E-01
2.24060E+03	7.79090E-01	6.50740E-01	5.06990E-01	9.99300E-01
2.24070E+03	7.79210E-01	6.50880E-01	5.07170E-01	9.99650E-01
2.24080E+03	7.79230E-01	6.51010E-01	5.07290E-01	9.99890E-01
2.24090E+03	7.79160E-01	6.51140E-01	5.07340E-01	1.00000E+00

2.24100E+03	7.78990E-01	6.51270E-01	5.07330E-01	9.99970E-01
2.24110E+03	7.78690E-01	6.51400E-01	5.07240E-01	9.99800E-01
2.24120E+03	7.78260E-01	6.51540E-01	5.07070E-01	9.99450E-01
2.24130E+03	7.77700E-01	6.51660E-01	5.06800E-01	9.98930E-01
2.24140E+03	7.77010E-01	6.51790E-01	5.06440E-01	9.98220E-01
2.24150E+03	7.76170E-01	6.51910E-01	5.05990E-01	9.97340E-01
2.24160E+03	7.75210E-01	6.52030E-01	5.05460E-01	9.96290E-01
2.24170E+03	7.74110E-01	6.52160E-01	5.04840E-01	9.95070E-01
2.24180E+03	7.72890E-01	6.52280E-01	5.04140E-01	9.93690E-01
2.24190E+03	7.71570E-01	6.52400E-01	5.03370E-01	9.92180E-01
2.24200E+03	7.70140E-01	6.52530E-01	5.02540E-01	9.90520E-01
2.24210E+03	7.68620E-01	6.52610E-01	5.01610E-01	9.88690E-01
2.24220E+03	7.67020E-01	6.52690E-01	5.00630E-01	9.86760E-01
2.24230E+03	7.65360E-01	6.52770E-01	4.99600E-01	9.84740E-01
2.24240E+03	7.63650E-01	6.52850E-01	4.98550E-01	9.82660E-01
2.24250E+03	7.61880E-01	6.52930E-01	4.97460E-01	9.80510E-01
2.24260E+03	7.60090E-01	6.53010E-01	4.96350E-01	9.78320E-01
2.24270E+03	7.58260E-01	6.53090E-01	4.95210E-01	9.76090E-01
2.24280E+03	7.56400E-01	6.53170E-01	4.94060E-01	9.73820E-01
2.24290E+03	7.54520E-01	6.53250E-01	4.92890E-01	9.71510E-01
2.24300E+03	7.52600E-01	6.53330E-01	4.91700E-01	9.69160E-01
2.24310E+03	7.50650E-01	6.53410E-01	4.90490E-01	9.66770E-01
2.24320E+03	7.48670E-01	6.53490E-01	4.89250E-01	9.64330E-01
2.24330E+03	7.46630E-01	6.53570E-01	4.87980E-01	9.61820E-01
2.24340E+03	7.44530E-01	6.53650E-01	4.86660E-01	9.59240E-01
2.24350E+03	7.42360E-01	6.53720E-01	4.85300E-01	9.56540E-01
2.24360E+03	7.40100E-01	6.53790E-01	4.83870E-01	9.53740E-01
2.24370E+03	7.37750E-01	6.53860E-01	4.82390E-01	9.50810E-01
2.24380E+03	7.35280E-01	6.53940E-01	4.80830E-01	9.47740E-01
2.24390E+03	7.32700E-01	6.54000E-01	4.79190E-01	9.44500E-01
2.24400E+03	7.29980E-01	6.54080E-01	4.77460E-01	9.41100E-01
2.24410E+03	7.27110E-01	6.54060E-01	4.75570E-01	9.37380E-01
2.24420E+03	7.24080E-01	6.54030E-01	4.73580E-01	9.33440E-01
2.24430E+03	7.20890E-01	6.54010E-01	4.71470E-01	9.29290E-01
2.24440E+03	7.17530E-01	6.53980E-01	4.69250E-01	9.24920E-01
2.24450E+03	7.13990E-01	6.53960E-01	4.66920E-01	9.20320E-01
2.24460E+03	7.10260E-01	6.53930E-01	4.64460E-01	9.15480E-01
2.24470E+03	7.06340E-01	6.53910E-01	4.61880E-01	9.10390E-01
2.24480E+03	7.02230E-01	6.53880E-01	4.59170E-01	9.05050E-01
2.24490E+03	6.97920E-01	6.53860E-01	4.56340E-01	8.99470E-01
2.24500E+03	6.93410E-01	6.53830E-01	4.53370E-01	8.93620E-01
2.24510E+03	6.88710E-01	6.53780E-01	4.50260E-01	8.87490E-01
2.24520E+03	6.83800E-01	6.53730E-01	4.47030E-01	8.81110E-01

2.24530E+03	6.78700E-01	6.53680E-01	4.43660E-01	8.74470E-01
2.24540E+03	6.73410E-01	6.53650E-01	4.40170E-01	8.67600E-01
2.24550E+03	6.67920E-01	6.53610E-01	4.36560E-01	8.60480E-01
2.24560E+03	6.62240E-01	6.53580E-01	4.32830E-01	8.53120E-01
2.24570E+03	6.56370E-01	6.53610E-01	4.29010E-01	8.45590E-01
2.24580E+03	6.50310E-01	6.53630E-01	4.25060E-01	8.37820E-01
2.24590E+03	6.44080E-01	6.53660E-01	4.21010E-01	8.29820E-01
2.24600E+03	6.37670E-01	6.53690E-01	4.16840E-01	8.21620E-01
2.24610E+03	6.31090E-01	6.53780E-01	4.12600E-01	8.13250E-01
2.24620E+03	6.24350E-01	6.53870E-01	4.08250E-01	8.04680E-01
2.24630E+03	6.17460E-01	6.53960E-01	4.03790E-01	7.95900E-01
2.24640E+03	6.10410E-01	6.54050E-01	3.99240E-01	7.86920E-01
2.24650E+03	6.03220E-01	6.54140E-01	3.94590E-01	7.77760E-01
2.24660E+03	5.95900E-01	6.54230E-01	3.89860E-01	7.68430E-01
2.24670E+03	5.88450E-01	6.54320E-01	3.85040E-01	7.58920E-01
2.24680E+03	5.80880E-01	6.54410E-01	3.80130E-01	7.49260E-01
2.24690E+03	5.73200E-01	6.54500E-01	3.75160E-01	7.39450E-01
2.24700E+03	5.65400E-01	6.54590E-01	3.70110E-01	7.29500E-01
2.24710E+03	5.57510E-01	6.54680E-01	3.64990E-01	7.19410E-01
2.24720E+03	5.49510E-01	6.54770E-01	3.59800E-01	7.09190E-01
2.24730E+03	5.41420E-01	6.54860E-01	3.54560E-01	6.98850E-01
2.24740E+03	5.33240E-01	6.54950E-01	3.49250E-01	6.88390E-01
2.24750E+03	5.24980E-01	6.55040E-01	3.43890E-01	6.77820E-01
2.24760E+03	5.16640E-01	6.55130E-01	3.38470E-01	6.67130E-01
2.24770E+03	5.08210E-01	6.55230E-01	3.32990E-01	6.56350E-01
2.24780E+03	4.99720E-01	6.55320E-01	3.27470E-01	6.45470E-01
2.24790E+03	4.91160E-01	6.55370E-01	3.21890E-01	6.34460E-01
2.24800E+03	4.82530E-01	6.55420E-01	3.16260E-01	6.23370E-01
2.24810E+03	4.73850E-01	6.55500E-01	3.10610E-01	6.12230E-01
2.24820E+03	4.65120E-01	6.55570E-01	3.04920E-01	6.01020E-01
2.24830E+03	4.56350E-01	6.55650E-01	2.99210E-01	5.89750E-01
2.24840E+03	4.47560E-01	6.55720E-01	2.93470E-01	5.78450E-01
2.24850E+03	4.38740E-01	6.55800E-01	2.87730E-01	5.67120E-01
2.24860E+03	4.29920E-01	6.55870E-01	2.81970E-01	5.55780E-01
2.24870E+03	4.21100E-01	6.55950E-01	2.76220E-01	5.44440E-01
2.24880E+03	4.12300E-01	6.56020E-01	2.70480E-01	5.33130E-01
2.24890E+03	4.03530E-01	6.56100E-01	2.64750E-01	5.21840E-01
2.24900E+03	3.94800E-01	6.56170E-01	2.59060E-01	5.10610E-01
2.24910E+03	3.86120E-01	6.56250E-01	2.53390E-01	4.99440E-01
2.24920E+03	3.77500E-01	6.56320E-01	2.47760E-01	4.88340E-01
2.24930E+03	3.68940E-01	6.56390E-01	2.42170E-01	4.77330E-01
2.24940E+03	3.60460E-01	6.56460E-01	2.36630E-01	4.66410E-01
2.24950E+03	3.52060E-01	6.56530E-01	2.31140E-01	4.55590E-01

2.24960E+03	3.43730E-01	6.56610E-01	2.25700E-01	4.44860E-01
2.24970E+03	3.35480E-01	6.56680E-01	2.20300E-01	4.34230E-01
2.24980E+03	3.27300E-01	6.56750E-01	2.14960E-01	4.23690E-01
2.24990E+03	3.19190E-01	6.56820E-01	2.09650E-01	4.13240E-01
2.25000E+03	3.11150E-01	6.56900E-01	2.04390E-01	4.02870E-01
2.25010E+03	3.03160E-01	6.56890E-01	1.99140E-01	3.92520E-01
2.25020E+03	2.95220E-01	6.56870E-01	1.93920E-01	3.82220E-01
2.25030E+03	2.87320E-01	6.56850E-01	1.88720E-01	3.71980E-01
2.25040E+03	2.79460E-01	6.56830E-01	1.83560E-01	3.61800E-01
2.25050E+03	2.71630E-01	6.56810E-01	1.78410E-01	3.51650E-01
2.25060E+03	2.63840E-01	6.56790E-01	1.73280E-01	3.41550E-01
2.25070E+03	2.56070E-01	6.56770E-01	1.68180E-01	3.31500E-01
2.25080E+03	2.48350E-01	6.56750E-01	1.63110E-01	3.21490E-01
2.25090E+03	2.40680E-01	6.56740E-01	1.58060E-01	3.11550E-01
2.25100E+03	2.33060E-01	6.56720E-01	1.53060E-01	3.01680E-01
2.25110E+03	2.25520E-01	6.56700E-01	1.48100E-01	2.91910E-01
2.25120E+03	2.18070E-01	6.56670E-01	1.43200E-01	2.82260E-01
2.25130E+03	2.10730E-01	6.56650E-01	1.38370E-01	2.72740E-01
2.25140E+03	2.03510E-01	6.56630E-01	1.33630E-01	2.63400E-01
2.25150E+03	1.96450E-01	6.56610E-01	1.28990E-01	2.54250E-01
2.25160E+03	1.89570E-01	6.56590E-01	1.24470E-01	2.45330E-01
2.25170E+03	1.82880E-01	6.56570E-01	1.20070E-01	2.36670E-01
2.25180E+03	1.76410E-01	6.56550E-01	1.15820E-01	2.28290E-01
2.25190E+03	1.70170E-01	6.56530E-01	1.11720E-01	2.20200E-01
2.25200E+03	1.64170E-01	6.56510E-01	1.07780E-01	2.12440E-01
2.25210E+03	1.58430E-01	6.56520E-01	1.04010E-01	2.05020E-01
2.25220E+03	1.52950E-01	6.56540E-01	1.00420E-01	1.97930E-01
2.25230E+03	1.47730E-01	6.56530E-01	9.69890E-02	1.91170E-01
2.25240E+03	1.42760E-01	6.56530E-01	9.37280E-02	1.84740E-01
2.25250E+03	1.38040E-01	6.56520E-01	9.06270E-02	1.78630E-01
2.25260E+03	1.33550E-01	6.56510E-01	8.76770E-02	1.72820E-01
2.25270E+03	1.29270E-01	6.56510E-01	8.48660E-02	1.67280E-01
2.25280E+03	1.25180E-01	6.56500E-01	8.21800E-02	1.61980E-01
2.25290E+03	1.21260E-01	6.56500E-01	7.96040E-02	1.56900E-01
2.25300E+03	1.17480E-01	6.56490E-01	7.71210E-02	1.52010E-01
2.25310E+03	1.13810E-01	6.56490E-01	7.47150E-02	1.47270E-01
2.25320E+03	1.10240E-01	6.56480E-01	7.23710E-02	1.42650E-01
2.25330E+03	1.06740E-01	6.56480E-01	7.00730E-02	1.38120E-01
2.25340E+03	1.03290E-01	6.56470E-01	6.78080E-02	1.33650E-01
2.25350E+03	9.98770E-02	6.56470E-01	6.55660E-02	1.29230E-01
2.25360E+03	9.64880E-02	6.56470E-01	6.33410E-02	1.24850E-01
2.25370E+03	9.31160E-02	6.56460E-01	6.11270E-02	1.20480E-01
2.25380E+03	8.97580E-02	6.56460E-01	5.89220E-02	1.16140E-01

2.25390E+03	8.64160E-02	6.56450E-01	5.67280E-02	1.11810E-01
2.25400E+03	8.30980E-02	6.56450E-01	5.45490E-02	1.07520E-01
2.25410E+03	7.98120E-02	6.56460E-01	5.23930E-02	1.03270E-01
2.25420E+03	7.65730E-02	6.56470E-01	5.02680E-02	9.90800E-02
2.25430E+03	7.33960E-02	6.56470E-01	4.81830E-02	9.49700E-02
2.25440E+03	7.02980E-02	6.56480E-01	4.61490E-02	9.09620E-02
2.25450E+03	6.72950E-02	6.56560E-01	4.41840E-02	8.70880E-02
2.25460E+03	6.44060E-02	6.56640E-01	4.22920E-02	8.33590E-02
2.25470E+03	6.16440E-02	6.56720E-01	4.04830E-02	7.97940E-02
2.25480E+03	5.90230E-02	6.56780E-01	3.87650E-02	7.64080E-02
2.25490E+03	5.65520E-02	6.56850E-01	3.71460E-02	7.32160E-02
2.25500E+03	5.42360E-02	6.56910E-01	3.56290E-02	7.02260E-02
2.25510E+03	5.20800E-02	6.56990E-01	3.42160E-02	6.74410E-02
2.25520E+03	5.00800E-02	6.57070E-01	3.29060E-02	6.48590E-02
2.25530E+03	4.82320E-02	6.57140E-01	3.16950E-02	6.24720E-02
2.25540E+03	4.65250E-02	6.57220E-01	3.05770E-02	6.02690E-02
2.25550E+03	4.49500E-02	6.57290E-01	2.95450E-02	5.82350E-02
2.25560E+03	4.34900E-02	6.57370E-01	2.85890E-02	5.63500E-02
2.25570E+03	4.21290E-02	6.57450E-01	2.76980E-02	5.45940E-02
2.25580E+03	4.08520E-02	6.57520E-01	2.68610E-02	5.29450E-02
2.25590E+03	3.96410E-02	6.57600E-01	2.60680E-02	5.13810E-02
2.25600E+03	3.84800E-02	6.57680E-01	2.53080E-02	4.98820E-02
2.25610E+03	3.73550E-02	6.57800E-01	2.45720E-02	4.84330E-02
2.25620E+03	3.62540E-02	6.57940E-01	2.38530E-02	4.70150E-02
2.25630E+03	3.51660E-02	6.58070E-01	2.31420E-02	4.56140E-02
2.25640E+03	3.40870E-02	6.58210E-01	2.24360E-02	4.42230E-02
2.25650E+03	3.30120E-02	6.58340E-01	2.17330E-02	4.28370E-02
2.25660E+03	3.19410E-02	6.58480E-01	2.10320E-02	4.14560E-02
2.25670E+03	3.08780E-02	6.58640E-01	2.03370E-02	4.00860E-02
2.25680E+03	2.98270E-02	6.58800E-01	1.96500E-02	3.87320E-02
2.25690E+03	2.87970E-02	6.58960E-01	1.89760E-02	3.74030E-02
2.25700E+03	2.77960E-02	6.59130E-01	1.83210E-02	3.61120E-02
2.25710E+03	2.68340E-02	6.59280E-01	1.76910E-02	3.48700E-02
2.25720E+03	2.59200E-02	6.59440E-01	1.70930E-02	3.36900E-02
2.25730E+03	2.62730E-02	6.59600E-01	1.73290E-02	3.41570E-02
2.25740E+03	2.55740E-02	6.59760E-01	1.68730E-02	3.32570E-02
2.25750E+03	2.50630E-02	6.59920E-01	1.65390E-02	3.26000E-02
2.25760E+03	2.48980E-02	6.60080E-01	1.64350E-02	3.23940E-02
2.25770E+03	2.42440E-02	6.60240E-01	1.60070E-02	3.15500E-02
2.25780E+03	2.36090E-02	6.60400E-01	1.55910E-02	3.07310E-02
2.25790E+03	2.29910E-02	6.60560E-01	1.51870E-02	2.99340E-02
2.25800E+03	2.23900E-02	6.60720E-01	1.47940E-02	2.91590E-02
2.25810E+03	2.18070E-02	6.60880E-01	1.44120E-02	2.84060E-02

2.25820E+03	2.12400E-02	6.61040E-01	1.40400E-02	2.76740E-02
2.25830E+03	2.06900E-02	6.61200E-01	1.36800E-02	2.69640E-02
2.25840E+03	2.01570E-02	6.61370E-01	1.33310E-02	2.62770E-02
2.25850E+03	1.96440E-02	6.61530E-01	1.29950E-02	2.56130E-02
2.25860E+03	1.91490E-02	6.61690E-01	1.26710E-02	2.49740E-02
2.25870E+03	1.86740E-02	6.61850E-01	1.23590E-02	2.43610E-02
2.25880E+03	1.82190E-02	6.62010E-01	1.20610E-02	2.37730E-02
2.25890E+03	1.77840E-02	6.62100E-01	1.17750E-02	2.32090E-02
2.25900E+03	1.73700E-02	6.62180E-01	1.15020E-02	2.26710E-02
2.25910E+03	1.69760E-02	6.62270E-01	1.12420E-02	2.21590E-02
2.25920E+03	1.66010E-02	6.62350E-01	1.09960E-02	2.16730E-02
2.25930E+03	1.62440E-02	6.62430E-01	1.07610E-02	2.12100E-02
2.25940E+03	1.59050E-02	6.62520E-01	1.05380E-02	2.07700E-02
2.25950E+03	1.55830E-02	6.62600E-01	1.03250E-02	2.03510E-02
2.25960E+03	1.52740E-02	6.62680E-01	1.01220E-02	1.99510E-02
2.25970E+03	1.49790E-02	6.62770E-01	9.92770E-03	1.95680E-02
2.25980E+03	1.46960E-02	6.62850E-01	9.74120E-03	1.92000E-02
2.25990E+03	1.44230E-02	6.62940E-01	9.56150E-03	1.88460E-02
2.26000E+03	1.41590E-02	6.63020E-01	9.38770E-03	1.85040E-02
2.26010E+03	1.39030E-02	6.63120E-01	9.21940E-03	1.81720E-02
2.26020E+03	1.36540E-02	6.63220E-01	9.05560E-03	1.78490E-02
2.26030E+03	1.34110E-02	6.63330E-01	8.89600E-03	1.75340E-02
2.26040E+03	1.31740E-02	6.63430E-01	8.74020E-03	1.72270E-02
2.26050E+03	1.29430E-02	6.63500E-01	8.58770E-03	1.69270E-02
2.26060E+03	1.27170E-02	6.63580E-01	8.43880E-03	1.66330E-02
2.26070E+03	1.24970E-02	6.63650E-01	8.29360E-03	1.63470E-02
2.26080E+03	1.22830E-02	6.63730E-01	8.15230E-03	1.60680E-02
2.26090E+03	1.20740E-02	6.63800E-01	8.01480E-03	1.57980E-02
2.26100E+03	1.18720E-02	6.63880E-01	7.88160E-03	1.55350E-02
2.26110E+03	1.16760E-02	6.64010E-01	7.75320E-03	1.52820E-02
2.26120E+03	1.14870E-02	6.64140E-01	7.62930E-03	1.50380E-02
2.26130E+03	1.13050E-02	6.64270E-01	7.50960E-03	1.48020E-02
2.26140E+03	1.11290E-02	6.64400E-01	7.39420E-03	1.45740E-02
2.26150E+03	1.09590E-02	6.64530E-01	7.28280E-03	1.43550E-02
2.26160E+03	1.07950E-02	6.64670E-01	7.17510E-03	1.41430E-02
2.26170E+03	1.06360E-02	6.64800E-01	7.07070E-03	1.39370E-02
2.26180E+03	1.04810E-02	6.64930E-01	6.96910E-03	1.37360E-02
2.26190E+03	1.03300E-02	6.65060E-01	6.86990E-03	1.35410E-02
2.26200E+03	1.01810E-02	6.65200E-01	6.77230E-03	1.33490E-02
2.26210E+03	1.00340E-02	6.65360E-01	6.67630E-03	1.31590E-02
2.26220E+03	9.88870E-03	6.65510E-01	6.58100E-03	1.29720E-02
2.26230E+03	9.74390E-03	6.65670E-01	6.48630E-03	1.27850E-02
2.26240E+03	9.59960E-03	6.65830E-01	6.39170E-03	1.25980E-02

2.26250E+03	9.45570E-03	6.65990E-01	6.29740E-03	1.24130E-02
2.26260E+03	9.31240E-03	6.66150E-01	6.20350E-03	1.22270E-02
2.26270E+03	9.17030E-03	6.66310E-01	6.11030E-03	1.20440E-02
2.26280E+03	9.03000E-03	6.66470E-01	6.01820E-03	1.18620E-02
2.26290E+03	8.89260E-03	6.66630E-01	5.92810E-03	1.16850E-02
2.26300E+03	8.75930E-03	6.66790E-01	5.84060E-03	1.15120E-02
2.26310E+03	8.63150E-03	6.66950E-01	5.75680E-03	1.13470E-02
2.26320E+03	8.51080E-03	6.67110E-01	5.67760E-03	1.11910E-02
2.26330E+03	8.39870E-03	6.67280E-01	5.60430E-03	1.10460E-02
2.26340E+03	8.29650E-03	6.67460E-01	5.53760E-03	1.09150E-02
2.26350E+03	8.20580E-03	6.67640E-01	5.47850E-03	1.07980E-02
2.26360E+03	8.12760E-03	6.67810E-01	5.42770E-03	1.06980E-02
2.26370E+03	8.06280E-03	6.67990E-01	5.38590E-03	1.06160E-02
2.26380E+03	8.01210E-03	6.68160E-01	5.35340E-03	1.05520E-02
2.26390E+03	7.97550E-03	6.68340E-01	5.33040E-03	1.05060E-02
2.26400E+03	7.95300E-03	6.68500E-01	5.31660E-03	1.04790E-02
2.26410E+03	7.94380E-03	6.68600E-01	5.31120E-03	1.04690E-02
2.26420E+03	7.94710E-03	6.68700E-01	5.31420E-03	1.04750E-02
2.26430E+03	7.96150E-03	6.68800E-01	5.32470E-03	1.04950E-02
2.26440E+03	7.98530E-03	6.68910E-01	5.34140E-03	1.05280E-02
2.26450E+03	8.01670E-03	6.69010E-01	5.36320E-03	1.05710E-02
2.26460E+03	8.05360E-03	6.69110E-01	5.38870E-03	1.06210E-02
2.26470E+03	8.09380E-03	6.69210E-01	5.41650E-03	1.06760E-02
2.26480E+03	8.13510E-03	6.69310E-01	5.44490E-03	1.07320E-02
2.26490E+03	8.17530E-03	6.69410E-01	5.47270E-03	1.07870E-02
2.26500E+03	8.21240E-03	6.69520E-01	5.49840E-03	1.08380E-02
2.26510E+03	8.24450E-03	6.69610E-01	5.52060E-03	1.08810E-02
2.26520E+03	8.26990E-03	6.69690E-01	5.53830E-03	1.09160E-02
2.26530E+03	8.28720E-03	6.69780E-01	5.55060E-03	1.09400E-02
2.26540E+03	8.29530E-03	6.69850E-01	5.55660E-03	1.09520E-02
2.26550E+03	8.29320E-03	6.69830E-01	5.55500E-03	1.09490E-02
2.26560E+03	8.28050E-03	6.69810E-01	5.54630E-03	1.09320E-02
2.26570E+03	8.25670E-03	6.69790E-01	5.53020E-03	1.09000E-02
2.26580E+03	8.22180E-03	6.69770E-01	5.50670E-03	1.08540E-02
2.26590E+03	8.17580E-03	6.69740E-01	5.47570E-03	1.07930E-02
2.26600E+03	8.11880E-03	6.69720E-01	5.43730E-03	1.07170E-02
2.26610E+03	8.05120E-03	6.69680E-01	5.39180E-03	1.06270E-02
2.26620E+03	7.97330E-03	6.69650E-01	5.33930E-03	1.05240E-02
2.26630E+03	7.88530E-03	6.69610E-01	5.28010E-03	1.04070E-02
2.26640E+03	7.78770E-03	6.69570E-01	5.21440E-03	1.02780E-02
2.26650E+03	7.68070E-03	6.69530E-01	5.14250E-03	1.01360E-02
2.26660E+03	7.56460E-03	6.69500E-01	5.06450E-03	9.98230E-03
2.26670E+03	7.43950E-03	6.69460E-01	4.98050E-03	9.81680E-03

2.26680E+03	7.30580E-03	6.69420E-01	4.89070E-03	9.63980E-03
2.26690E+03	7.16380E-03	6.69390E-01	4.79540E-03	9.45190E-03
2.26700E+03	7.01380E-03	6.69350E-01	4.69460E-03	9.25340E-03
2.26710E+03	6.85620E-03	6.69310E-01	4.58890E-03	9.04490E-03
2.26720E+03	6.69160E-03	6.69270E-01	4.47850E-03	8.82730E-03
2.26730E+03	6.52090E-03	6.69230E-01	4.36390E-03	8.60150E-03
2.26740E+03	6.34490E-03	6.69190E-01	4.24590E-03	8.36900E-03
2.26750E+03	6.16500E-03	6.69150E-01	4.12530E-03	8.13120E-03
2.26760E+03	5.98260E-03	6.69100E-01	4.00300E-03	7.89000E-03
2.26770E+03	5.79920E-03	6.69050E-01	3.88000E-03	7.64760E-03
2.26780E+03	5.61670E-03	6.69000E-01	3.75760E-03	7.40650E-03
2.26790E+03	5.43720E-03	6.68950E-01	3.63720E-03	7.16910E-03
2.26800E+03	5.26250E-03	6.68900E-01	3.52010E-03	6.93820E-03
2.26810E+03	5.09470E-03	6.68840E-01	3.40750E-03	6.71640E-03
2.26820E+03	4.93580E-03	6.68770E-01	3.30090E-03	6.50630E-03
2.26830E+03	4.78770E-03	6.68700E-01	3.20160E-03	6.31040E-03
2.26840E+03	4.65190E-03	6.68640E-01	3.11040E-03	6.13070E-03
2.26850E+03	4.52950E-03	6.68570E-01	3.02830E-03	5.96890E-03
2.26860E+03	4.42160E-03	6.68500E-01	2.95580E-03	5.82610E-03
2.26870E+03	4.32840E-03	6.68440E-01	2.89330E-03	5.70280E-03
2.26880E+03	4.24990E-03	6.68370E-01	2.84050E-03	5.59880E-03
2.26890E+03	4.18560E-03	6.68300E-01	2.79720E-03	5.51350E-03
2.26900E+03	4.13430E-03	6.68240E-01	2.76270E-03	5.44540E-03
2.26910E+03	4.09450E-03	6.68170E-01	2.73590E-03	5.39250E-03
2.26920E+03	4.06450E-03	6.68100E-01	2.71550E-03	5.35240E-03
2.26930E+03	4.04190E-03	6.68040E-01	2.70010E-03	5.32210E-03
2.26940E+03	4.02440E-03	6.67970E-01	2.68820E-03	5.29850E-03
2.26950E+03	4.00950E-03	6.67900E-01	2.67790E-03	5.27830E-03
2.26960E+03	3.99470E-03	6.67840E-01	2.66780E-03	5.25830E-03
2.26970E+03	3.97770E-03	6.67770E-01	2.65620E-03	5.23550E-03
2.26980E+03	3.95650E-03	6.67700E-01	2.64170E-03	5.20700E-03
2.26990E+03	3.92940E-03	6.67710E-01	2.62370E-03	5.17140E-03
2.27000E+03	3.89520E-03	6.67760E-01	2.60100E-03	5.12680E-03
2.27010E+03	3.85320E-03	6.67970E-01	2.57380E-03	5.07310E-03
2.27020E+03	3.80340E-03	6.68180E-01	2.54130E-03	5.00910E-03
2.27030E+03	3.74610E-03	6.68390E-01	2.50380E-03	4.93520E-03
2.27040E+03	3.68230E-03	6.68600E-01	2.46200E-03	4.85270E-03
2.27050E+03	3.61370E-03	6.68770E-01	2.41680E-03	4.76360E-03
2.27060E+03	3.54210E-03	6.68800E-01	2.36900E-03	4.66940E-03
2.27070E+03	3.46990E-03	6.68830E-01	2.32080E-03	4.57430E-03
2.27080E+03	3.39940E-03	6.68860E-01	2.27370E-03	4.48160E-03
2.27090E+03	3.33330E-03	6.68890E-01	2.22960E-03	4.39470E-03
2.27100E+03	3.27400E-03	6.68920E-01	2.19010E-03	4.31670E-03

2.27110E+03	3.22390E-03	6.68950E-01	2.15660E-03	4.25080E-03
2.27120E+03	3.18480E-03	6.68980E-01	2.13060E-03	4.19940E-03
2.27130E+03	3.15830E-03	6.69010E-01	2.11290E-03	4.16470E-03
2.27140E+03	3.14540E-03	6.69030E-01	2.10440E-03	4.14780E-03
2.27150E+03	3.14250E-03	6.69060E-01	2.10250E-03	4.14420E-03
2.27160E+03	3.13960E-03	6.69090E-01	2.10070E-03	4.14060E-03
2.27170E+03	3.13680E-03	6.69120E-01	2.09890E-03	4.13700E-03
2.27180E+03	3.13390E-03	6.69150E-01	2.09700E-03	4.13340E-03
2.27190E+03	3.13100E-03	6.69170E-01	2.09520E-03	4.12980E-03
2.27200E+03	3.12820E-03	6.69200E-01	2.09340E-03	4.12620E-03
2.27210E+03	3.12530E-03	6.69170E-01	2.09140E-03	4.12220E-03
2.27220E+03	3.12240E-03	6.69140E-01	2.08930E-03	4.11820E-03
2.27230E+03	3.11960E-03	6.69110E-01	2.08730E-03	4.11420E-03
2.27240E+03	3.11670E-03	6.69070E-01	2.08530E-03	4.11020E-03
2.27250E+03	3.11380E-03	6.69040E-01	2.08330E-03	4.10620E-03
2.27260E+03	3.11350E-03	6.69010E-01	2.08300E-03	4.10570E-03
2.27270E+03	3.11070E-03	6.68980E-01	2.08100E-03	4.10170E-03
2.27280E+03	3.10780E-03	6.68950E-01	2.07900E-03	4.09770E-03
2.27290E+03	3.10490E-03	6.68910E-01	2.07690E-03	4.09370E-03
2.27300E+03	3.10210E-03	6.68880E-01	2.07490E-03	4.08980E-03
2.27310E+03	3.09920E-03	6.68850E-01	2.07290E-03	4.08580E-03
2.27320E+03	3.09630E-03	6.68820E-01	2.07090E-03	4.08180E-03
2.27330E+03	3.09350E-03	6.68790E-01	2.06890E-03	4.07780E-03
2.27340E+03	3.09060E-03	6.68750E-01	2.06680E-03	4.07380E-03
2.27350E+03	3.08770E-03	6.68720E-01	2.06480E-03	4.06980E-03
2.27360E+03	3.08490E-03	6.68680E-01	2.06280E-03	4.06580E-03
2.27370E+03	3.08200E-03	6.68640E-01	2.06070E-03	4.06180E-03
2.27380E+03	3.07910E-03	6.68600E-01	2.05870E-03	4.05780E-03
2.27390E+03	3.07620E-03	6.68570E-01	2.05670E-03	4.05380E-03
2.27400E+03	3.07340E-03	6.68530E-01	2.05460E-03	4.04980E-03
2.27410E+03	3.07050E-03	6.68510E-01	2.05270E-03	4.04590E-03
2.27420E+03	3.06760E-03	6.68490E-01	2.05070E-03	4.04200E-03
2.27430E+03	3.06480E-03	6.68420E-01	2.04850E-03	4.03780E-03
2.27440E+03	3.06190E-03	6.68350E-01	2.04640E-03	4.03360E-03
2.27450E+03	3.05900E-03	6.68280E-01	2.04430E-03	4.02940E-03
2.27460E+03	3.05610E-03	6.68210E-01	2.04220E-03	4.02520E-03
2.27470E+03	3.05330E-03	6.68140E-01	2.04000E-03	4.02100E-03
2.27480E+03	3.05040E-03	6.68080E-01	2.03790E-03	4.01680E-03
2.27490E+03	2.96830E-03	6.68010E-01	1.98280E-03	3.90820E-03
2.27500E+03	2.63670E-03	6.67940E-01	1.76110E-03	3.47130E-03
2.27510E+03	2.39660E-03	6.67890E-01	1.60070E-03	3.15500E-03
2.27520E+03	0.00000E+00	6.67830E-01	0.00000E+00	0.00000E+00
Channel 16				

Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.21190E+03	0.00000E+00	6.23010E-01	0.00000E+00	0.00000E+00
2.21200E+03	4.24280E-04	6.23160E-01	2.64390E-04	5.09430E-04
2.21210E+03	4.22370E-04	6.23320E-01	2.63270E-04	5.07270E-04
2.21220E+03	3.99420E-04	6.23480E-01	2.49030E-04	4.79830E-04
2.21230E+03	3.59260E-04	6.23640E-01	2.24050E-04	4.31690E-04
2.21240E+03	3.06040E-04	6.23800E-01	1.90910E-04	3.67840E-04
2.21250E+03	2.44500E-04	6.23970E-01	1.52560E-04	2.93940E-04
2.21260E+03	1.80160E-04	6.24130E-01	1.12450E-04	2.16660E-04
2.21270E+03	1.21160E-04	6.24260E-01	7.56330E-05	1.45730E-04
2.21280E+03	8.62670E-05	6.24390E-01	5.38640E-05	1.03780E-04
2.21290E+03	1.00850E-04	6.24530E-01	6.29820E-05	1.21350E-04
2.21300E+03	3.21150E-04	6.24660E-01	2.00610E-04	3.86530E-04
2.21310E+03	3.33070E-04	6.24790E-01	2.08100E-04	4.00960E-04
2.21320E+03	3.48900E-04	6.24920E-01	2.18040E-04	4.20110E-04
2.21330E+03	3.70250E-04	6.25060E-01	2.31430E-04	4.45920E-04
2.21340E+03	3.98500E-04	6.25200E-01	2.49140E-04	4.80040E-04
2.21350E+03	4.34760E-04	6.25340E-01	2.71870E-04	5.23840E-04
2.21360E+03	4.79840E-04	6.25480E-01	3.00130E-04	5.78290E-04
2.21370E+03	5.34130E-04	6.25620E-01	3.34160E-04	6.43860E-04
2.21380E+03	5.97500E-04	6.25760E-01	3.73890E-04	7.20400E-04
2.21390E+03	6.68750E-04	6.25900E-01	4.18570E-04	8.06490E-04
2.21400E+03	7.45350E-04	6.26040E-01	4.66610E-04	8.99060E-04
2.21410E+03	8.25490E-04	6.26170E-01	5.16900E-04	9.95950E-04
2.21420E+03	9.08460E-04	6.26300E-01	5.68970E-04	1.09630E-03
2.21430E+03	9.93760E-04	6.26430E-01	6.22520E-04	1.19950E-03
2.21440E+03	1.08090E-03	6.26560E-01	6.77250E-04	1.30490E-03
2.21450E+03	1.16940E-03	6.26690E-01	7.32850E-04	1.41200E-03
2.21460E+03	1.25860E-03	6.26820E-01	7.88930E-04	1.52010E-03
2.21470E+03	1.34800E-03	6.26950E-01	8.45100E-04	1.62830E-03
2.21480E+03	1.43670E-03	6.27080E-01	9.00920E-04	1.73590E-03
2.21490E+03	1.52410E-03	6.27180E-01	9.55910E-04	1.84180E-03
2.21500E+03	1.60950E-03	6.27280E-01	1.00960E-03	1.94530E-03
2.21510E+03	1.69200E-03	6.27380E-01	1.06160E-03	2.04540E-03
2.21520E+03	1.77100E-03	6.27490E-01	1.11130E-03	2.14120E-03
2.21530E+03	1.84560E-03	6.27600E-01	1.15830E-03	2.23170E-03
2.21540E+03	1.91510E-03	6.27710E-01	1.20210E-03	2.31630E-03
2.21550E+03	1.97920E-03	6.27810E-01	1.24250E-03	2.39410E-03
2.21560E+03	2.03720E-03	6.27920E-01	1.27920E-03	2.46470E-03
2.21570E+03	2.08890E-03	6.28030E-01	1.31190E-03	2.52770E-03

2.21580E+03	2.13410E-03	6.28140E-01	1.34050E-03	2.58290E-03
2.21590E+03	2.17300E-03	6.28240E-01	1.36520E-03	2.63040E-03
2.21600E+03	2.20560E-03	6.28350E-01	1.38590E-03	2.67030E-03
2.21610E+03	2.23210E-03	6.28450E-01	1.40270E-03	2.70280E-03
2.21620E+03	2.25290E-03	6.28540E-01	1.41600E-03	2.72840E-03
2.21630E+03	2.26840E-03	6.28640E-01	1.42600E-03	2.74750E-03
2.21640E+03	2.27890E-03	6.28730E-01	1.43280E-03	2.76080E-03
2.21650E+03	2.28510E-03	6.28830E-01	1.43690E-03	2.76860E-03
2.21660E+03	2.28730E-03	6.28930E-01	1.43850E-03	2.77170E-03
2.21670E+03	2.28600E-03	6.29020E-01	1.43800E-03	2.77060E-03
2.21680E+03	2.28180E-03	6.29120E-01	1.43550E-03	2.76600E-03
2.21690E+03	2.27520E-03	6.29210E-01	1.43160E-03	2.75830E-03
2.21700E+03	2.26670E-03	6.29310E-01	1.42640E-03	2.74840E-03
2.21710E+03	2.25670E-03	6.29410E-01	1.42040E-03	2.73680E-03
2.21720E+03	2.24600E-03	6.29520E-01	1.41390E-03	2.72420E-03
2.21730E+03	2.23490E-03	6.29630E-01	1.40720E-03	2.71130E-03
2.21740E+03	2.22410E-03	6.29730E-01	1.40060E-03	2.69870E-03
2.21750E+03	2.21420E-03	6.29840E-01	1.39460E-03	2.68710E-03
2.21760E+03	2.20580E-03	6.29950E-01	1.38950E-03	2.67730E-03
2.21770E+03	2.19950E-03	6.30050E-01	1.38580E-03	2.67010E-03
2.21780E+03	2.19580E-03	6.30160E-01	1.38370E-03	2.66610E-03
2.21790E+03	2.19540E-03	6.30260E-01	1.38370E-03	2.66600E-03
2.21800E+03	2.19890E-03	6.30380E-01	1.38610E-03	2.67070E-03
2.21810E+03	2.20680E-03	6.30500E-01	1.39140E-03	2.68090E-03
2.21820E+03	2.21980E-03	6.30620E-01	1.39980E-03	2.69710E-03
2.21830E+03	2.23820E-03	6.30740E-01	1.41170E-03	2.72000E-03
2.21840E+03	2.26240E-03	6.30860E-01	1.42730E-03	2.75000E-03
2.21850E+03	2.29270E-03	6.30990E-01	1.44670E-03	2.78740E-03
2.21860E+03	2.32930E-03	6.31110E-01	1.47000E-03	2.83240E-03
2.21870E+03	2.37200E-03	6.31230E-01	1.49730E-03	2.88490E-03
2.21880E+03	2.42070E-03	6.31350E-01	1.52830E-03	2.94470E-03
2.21890E+03	2.47490E-03	6.31480E-01	1.56280E-03	3.01120E-03
2.21900E+03	2.53420E-03	6.31600E-01	1.60060E-03	3.08400E-03
2.21910E+03	2.59780E-03	6.31720E-01	1.64110E-03	3.16200E-03
2.21920E+03	2.66500E-03	6.31840E-01	1.68390E-03	3.24440E-03
2.21930E+03	2.73490E-03	6.31920E-01	1.72830E-03	3.33000E-03
2.21940E+03	2.80650E-03	6.32010E-01	1.77380E-03	3.41760E-03
2.21950E+03	2.87900E-03	6.32100E-01	1.81980E-03	3.50630E-03
2.21960E+03	2.95130E-03	6.32180E-01	1.86580E-03	3.59500E-03
2.21970E+03	3.02280E-03	6.32270E-01	1.91120E-03	3.68250E-03
2.21980E+03	3.09260E-03	6.32360E-01	1.95560E-03	3.76810E-03
2.21990E+03	3.16030E-03	6.32440E-01	1.99870E-03	3.85100E-03
2.22000E+03	3.22530E-03	6.32530E-01	2.04010E-03	3.93080E-03

2.22010E+03	3.28750E-03	6.32590E-01	2.07970E-03	4.00710E-03
2.22020E+03	3.34690E-03	6.32660E-01	2.11740E-03	4.07980E-03
2.22030E+03	3.40360E-03	6.32730E-01	2.15350E-03	4.14940E-03
2.22040E+03	3.45790E-03	6.32810E-01	2.18820E-03	4.21610E-03
2.22050E+03	3.51040E-03	6.32880E-01	2.22160E-03	4.28060E-03
2.22060E+03	3.56170E-03	6.32960E-01	2.25440E-03	4.34370E-03
2.22070E+03	3.61260E-03	6.33030E-01	2.28690E-03	4.40640E-03
2.22080E+03	3.66400E-03	6.33110E-01	2.31970E-03	4.46960E-03
2.22090E+03	3.71660E-03	6.33180E-01	2.35330E-03	4.53430E-03
2.22100E+03	3.77120E-03	6.33260E-01	2.38820E-03	4.60150E-03
2.22110E+03	3.82860E-03	6.33330E-01	2.42480E-03	4.67200E-03
2.22120E+03	3.88920E-03	6.33400E-01	2.46340E-03	4.74650E-03
2.22130E+03	3.95350E-03	6.33470E-01	2.50440E-03	4.82550E-03
2.22140E+03	4.02170E-03	6.33550E-01	2.54790E-03	4.90920E-03
2.22150E+03	4.09370E-03	6.33650E-01	2.59400E-03	4.99810E-03
2.22160E+03	4.16960E-03	6.33760E-01	2.64250E-03	5.09150E-03
2.22170E+03	4.24880E-03	6.33870E-01	2.69320E-03	5.18920E-03
2.22180E+03	4.33100E-03	6.33980E-01	2.74580E-03	5.29050E-03
2.22190E+03	4.41560E-03	6.34080E-01	2.79990E-03	5.39480E-03
2.22200E+03	4.50200E-03	6.34190E-01	2.85510E-03	5.50110E-03
2.22210E+03	4.58940E-03	6.34280E-01	2.91100E-03	5.60880E-03
2.22220E+03	4.67730E-03	6.34370E-01	2.96710E-03	5.71700E-03
2.22230E+03	4.76490E-03	6.34470E-01	3.02320E-03	5.82500E-03
2.22240E+03	4.85200E-03	6.34560E-01	3.07890E-03	5.93240E-03
2.22250E+03	4.93820E-03	6.34650E-01	3.13410E-03	6.03860E-03
2.22260E+03	5.02340E-03	6.34750E-01	3.18860E-03	6.14370E-03
2.22270E+03	5.10750E-03	6.34840E-01	3.24250E-03	6.24750E-03
2.22280E+03	5.19100E-03	6.34930E-01	3.29600E-03	6.35060E-03
2.22290E+03	5.27440E-03	6.35030E-01	3.34940E-03	6.45350E-03
2.22300E+03	5.35820E-03	6.35120E-01	3.40310E-03	6.55700E-03
2.22310E+03	5.44350E-03	6.35210E-01	3.45780E-03	6.66230E-03
2.22320E+03	5.53110E-03	6.35310E-01	3.51390E-03	6.77060E-03
2.22330E+03	5.62220E-03	6.35400E-01	3.57230E-03	6.88310E-03
2.22340E+03	5.71790E-03	6.35490E-01	3.63370E-03	7.00130E-03
2.22350E+03	5.81930E-03	6.35590E-01	3.69870E-03	7.12660E-03
2.22360E+03	5.92750E-03	6.35680E-01	3.76800E-03	7.26010E-03
2.22370E+03	6.04340E-03	6.35750E-01	3.84210E-03	7.40280E-03
2.22380E+03	6.16770E-03	6.35820E-01	3.92160E-03	7.55600E-03
2.22390E+03	6.30120E-03	6.35890E-01	4.00680E-03	7.72030E-03
2.22400E+03	6.44420E-03	6.35960E-01	4.09820E-03	7.89640E-03
2.22410E+03	6.59690E-03	6.36050E-01	4.19600E-03	8.08470E-03
2.22420E+03	6.75960E-03	6.36140E-01	4.30010E-03	8.28530E-03
2.22430E+03	6.93210E-03	6.36230E-01	4.41040E-03	8.49790E-03

2.22440E+03	7.11420E-03	6.36320E-01	4.52690E-03	8.72230E-03
2.22450E+03	7.30550E-03	6.36410E-01	4.64930E-03	8.95820E-03
2.22460E+03	7.50590E-03	6.36500E-01	4.77750E-03	9.20520E-03
2.22470E+03	7.71490E-03	6.36590E-01	4.91120E-03	9.46290E-03
2.22480E+03	7.93220E-03	6.36680E-01	5.05030E-03	9.73080E-03
2.22490E+03	8.15770E-03	6.36770E-01	5.19460E-03	1.00090E-02
2.22500E+03	8.39120E-03	6.36860E-01	5.34410E-03	1.02970E-02
2.22510E+03	8.63300E-03	6.36950E-01	5.49880E-03	1.05950E-02
2.22520E+03	8.88330E-03	6.37040E-01	5.65900E-03	1.09040E-02
2.22530E+03	9.14270E-03	6.37130E-01	5.82510E-03	1.12240E-02
2.22540E+03	9.41180E-03	6.37220E-01	5.99740E-03	1.15560E-02
2.22550E+03	9.69170E-03	6.37310E-01	6.17660E-03	1.19010E-02
2.22560E+03	9.98340E-03	6.37390E-01	6.36340E-03	1.22610E-02
2.22570E+03	1.02880E-02	6.37480E-01	6.55860E-03	1.26370E-02
2.22580E+03	1.06080E-02	6.37570E-01	6.76310E-03	1.30310E-02
2.22590E+03	1.09430E-02	6.37660E-01	6.97790E-03	1.34450E-02
2.22600E+03	1.12960E-02	6.37730E-01	7.20360E-03	1.38800E-02
2.22610E+03	1.16670E-02	6.37760E-01	7.44100E-03	1.43370E-02
2.22620E+03	1.20590E-02	6.37790E-01	7.69120E-03	1.48190E-02
2.22630E+03	1.24720E-02	6.37820E-01	7.95510E-03	1.53280E-02
2.22640E+03	1.29080E-02	6.37850E-01	8.23340E-03	1.58640E-02
2.22650E+03	1.33670E-02	6.37880E-01	8.52670E-03	1.64290E-02
2.22660E+03	1.38500E-02	6.37910E-01	8.83540E-03	1.70240E-02
2.22670E+03	1.43590E-02	6.37940E-01	9.15980E-03	1.76490E-02
2.22680E+03	1.48910E-02	6.37970E-01	9.50030E-03	1.83050E-02
2.22690E+03	1.54500E-02	6.38000E-01	9.85690E-03	1.89920E-02
2.22700E+03	1.60340E-02	6.38030E-01	1.02300E-02	1.97110E-02
2.22710E+03	1.66420E-02	6.38060E-01	1.06190E-02	2.04600E-02
2.22720E+03	1.72770E-02	6.38080E-01	1.10240E-02	2.12410E-02
2.22730E+03	1.79360E-02	6.38100E-01	1.14450E-02	2.20520E-02
2.22740E+03	1.86200E-02	6.38110E-01	1.18820E-02	2.28940E-02
2.22750E+03	1.93300E-02	6.38130E-01	1.23350E-02	2.37660E-02
2.22760E+03	2.00640E-02	6.38140E-01	1.28040E-02	2.46700E-02
2.22770E+03	2.08240E-02	6.38150E-01	1.32890E-02	2.56040E-02
2.22780E+03	2.16090E-02	6.38170E-01	1.37900E-02	2.65710E-02
2.22790E+03	2.24210E-02	6.38180E-01	1.43090E-02	2.75700E-02
2.22800E+03	2.32600E-02	6.38190E-01	1.48440E-02	2.86020E-02
2.22810E+03	2.41270E-02	6.38270E-01	1.54000E-02	2.96720E-02
2.22820E+03	2.50240E-02	6.38350E-01	1.59740E-02	3.07780E-02
2.22830E+03	2.53780E-02	6.38430E-01	1.62020E-02	3.12180E-02
2.22840E+03	2.62840E-02	6.38510E-01	1.67830E-02	3.23360E-02
2.22850E+03	2.72250E-02	6.38580E-01	1.73850E-02	3.34970E-02
2.22860E+03	2.82030E-02	6.38660E-01	1.80120E-02	3.47050E-02

2.22870E+03	2.92220E-02	6.38740E-01	1.86660E-02	3.59650E-02
2.22880E+03	3.02860E-02	6.38820E-01	1.93470E-02	3.72780E-02
2.22890E+03	3.13970E-02	6.38900E-01	2.00590E-02	3.86500E-02
2.22900E+03	3.25570E-02	6.38980E-01	2.08030E-02	4.00830E-02
2.22910E+03	3.37680E-02	6.39050E-01	2.15790E-02	4.15790E-02
2.22920E+03	3.50320E-02	6.39130E-01	2.23900E-02	4.31410E-02
2.22930E+03	3.63520E-02	6.39200E-01	2.32370E-02	4.47720E-02
2.22940E+03	3.77300E-02	6.39280E-01	2.41200E-02	4.64740E-02
2.22950E+03	3.91680E-02	6.39360E-01	2.50420E-02	4.82510E-02
2.22960E+03	4.06690E-02	6.39430E-01	2.60050E-02	5.01060E-02
2.22970E+03	4.22380E-02	6.39500E-01	2.70110E-02	5.20440E-02
2.22980E+03	4.38770E-02	6.39570E-01	2.80630E-02	5.40700E-02
2.22990E+03	4.55930E-02	6.39650E-01	2.91630E-02	5.61910E-02
2.23000E+03	4.73910E-02	6.39720E-01	3.03170E-02	5.84140E-02
2.23010E+03	4.92780E-02	6.39940E-01	3.15350E-02	6.07610E-02
2.23020E+03	5.12600E-02	6.40160E-01	3.28150E-02	6.32270E-02
2.23030E+03	5.33460E-02	6.40380E-01	3.41620E-02	6.58220E-02
2.23040E+03	5.55420E-02	6.40600E-01	3.55800E-02	6.85550E-02
2.23050E+03	5.78550E-02	6.40830E-01	3.70750E-02	7.14360E-02
2.23060E+03	6.02950E-02	6.41050E-01	3.86520E-02	7.44730E-02
2.23070E+03	6.28660E-02	6.41270E-01	4.03140E-02	7.76770E-02
2.23080E+03	6.55760E-02	6.41490E-01	4.20660E-02	8.10530E-02
2.23090E+03	6.84290E-02	6.41720E-01	4.39120E-02	8.46090E-02
2.23100E+03	7.14300E-02	6.41940E-01	4.58540E-02	8.83500E-02
2.23110E+03	7.45820E-02	6.42160E-01	4.78940E-02	9.22810E-02
2.23120E+03	7.78870E-02	6.42390E-01	5.00330E-02	9.64030E-02
2.23130E+03	8.13460E-02	6.42610E-01	5.22740E-02	1.00720E-01
2.23140E+03	8.49600E-02	6.42830E-01	5.46150E-02	1.05230E-01
2.23150E+03	8.87270E-02	6.43050E-01	5.70560E-02	1.09940E-01
2.23160E+03	9.26480E-02	6.43280E-01	5.95990E-02	1.14830E-01
2.23170E+03	9.67220E-02	6.43500E-01	6.22410E-02	1.19920E-01
2.23180E+03	1.00950E-01	6.43720E-01	6.49820E-02	1.25210E-01
2.23190E+03	1.05320E-01	6.43950E-01	6.78230E-02	1.30680E-01
2.23200E+03	1.09850E-01	6.44160E-01	7.07630E-02	1.36350E-01
2.23210E+03	1.14540E-01	6.44290E-01	7.37950E-02	1.42190E-01
2.23220E+03	1.19380E-01	6.44420E-01	7.69290E-02	1.48220E-01
2.23230E+03	1.24380E-01	6.44550E-01	8.01670E-02	1.54460E-01
2.23240E+03	1.29540E-01	6.44680E-01	8.35130E-02	1.60910E-01
2.23250E+03	1.34880E-01	6.44780E-01	8.69690E-02	1.67570E-01
2.23260E+03	1.40400E-01	6.44880E-01	9.05410E-02	1.74450E-01
2.23270E+03	1.46110E-01	6.44980E-01	9.42350E-02	1.81570E-01
2.23280E+03	1.52010E-01	6.45080E-01	9.80570E-02	1.88930E-01
2.23290E+03	1.58110E-01	6.45180E-01	1.02010E-01	1.96550E-01

2.23300E+03	1.64430E-01	6.45280E-01	1.06110E-01	2.04440E-01
2.23310E+03	1.70970E-01	6.45380E-01	1.10340E-01	2.12610E-01
2.23320E+03	1.77740E-01	6.45480E-01	1.14730E-01	2.21050E-01
2.23330E+03	1.84730E-01	6.45580E-01	1.19260E-01	2.29790E-01
2.23340E+03	1.91960E-01	6.45690E-01	1.23950E-01	2.38810E-01
2.23350E+03	1.99420E-01	6.45790E-01	1.28780E-01	2.48130E-01
2.23360E+03	2.07100E-01	6.45890E-01	1.33760E-01	2.57730E-01
2.23370E+03	2.15010E-01	6.45990E-01	1.38890E-01	2.67620E-01
2.23380E+03	2.23130E-01	6.46090E-01	1.44160E-01	2.77770E-01
2.23390E+03	2.31450E-01	6.46200E-01	1.49560E-01	2.88180E-01
2.23400E+03	2.39970E-01	6.46300E-01	1.55090E-01	2.98830E-01
2.23410E+03	2.48660E-01	6.46380E-01	1.60730E-01	3.09690E-01
2.23420E+03	2.57510E-01	6.46450E-01	1.66470E-01	3.20750E-01
2.23430E+03	2.66500E-01	6.46530E-01	1.72300E-01	3.31990E-01
2.23440E+03	2.75620E-01	6.46610E-01	1.78220E-01	3.43390E-01
2.23450E+03	2.84850E-01	6.46690E-01	1.84210E-01	3.54930E-01
2.23460E+03	2.94170E-01	6.46770E-01	1.90260E-01	3.66590E-01
2.23470E+03	3.03570E-01	6.46800E-01	1.96350E-01	3.78320E-01
2.23480E+03	3.13020E-01	6.46830E-01	2.02470E-01	3.90120E-01
2.23490E+03	3.22530E-01	6.46860E-01	2.08630E-01	4.01990E-01
2.23500E+03	3.32070E-01	6.46900E-01	2.14820E-01	4.13900E-01
2.23510E+03	3.41640E-01	6.46940E-01	2.21020E-01	4.25860E-01
2.23520E+03	3.51230E-01	6.46980E-01	2.27240E-01	4.37840E-01
2.23530E+03	3.60830E-01	6.47030E-01	2.33470E-01	4.49840E-01
2.23540E+03	3.70430E-01	6.47070E-01	2.39700E-01	4.61840E-01
2.23550E+03	3.80040E-01	6.47120E-01	2.45930E-01	4.73850E-01
2.23560E+03	3.89640E-01	6.47160E-01	2.52160E-01	4.85860E-01
2.23570E+03	3.99240E-01	6.47200E-01	2.58390E-01	4.97850E-01
2.23580E+03	4.08820E-01	6.47250E-01	2.64610E-01	5.09840E-01
2.23590E+03	4.18380E-01	6.47290E-01	2.70820E-01	5.21800E-01
2.23600E+03	4.27930E-01	6.47340E-01	2.77010E-01	5.33740E-01
2.23610E+03	4.37440E-01	6.47440E-01	2.83210E-01	5.45690E-01
2.23620E+03	4.46910E-01	6.47530E-01	2.89390E-01	5.57590E-01
2.23630E+03	4.56340E-01	6.47630E-01	2.95540E-01	5.69440E-01
2.23640E+03	4.65710E-01	6.47730E-01	3.01660E-01	5.81220E-01
2.23650E+03	4.75020E-01	6.47830E-01	3.07730E-01	5.92920E-01
2.23660E+03	4.84240E-01	6.47920E-01	3.13750E-01	6.04530E-01
2.23670E+03	4.93380E-01	6.48020E-01	3.19720E-01	6.16030E-01
2.23680E+03	5.02410E-01	6.48100E-01	3.25610E-01	6.27380E-01
2.23690E+03	5.11330E-01	6.48180E-01	3.31440E-01	6.38610E-01
2.23700E+03	5.20130E-01	6.48270E-01	3.37180E-01	6.49680E-01
2.23710E+03	5.28800E-01	6.48350E-01	3.42840E-01	6.60580E-01
2.23720E+03	5.37320E-01	6.48430E-01	3.48410E-01	6.71310E-01

2.23730E+03	5.45690E-01	6.48510E-01	3.53890E-01	6.81860E-01
2.23740E+03	5.53910E-01	6.48590E-01	3.59260E-01	6.92220E-01
2.23750E+03	5.61980E-01	6.48670E-01	3.64540E-01	7.02380E-01
2.23760E+03	5.69880E-01	6.48750E-01	3.69710E-01	7.12350E-01
2.23770E+03	5.77620E-01	6.48830E-01	3.74780E-01	7.22110E-01
2.23780E+03	5.85190E-01	6.48910E-01	3.79740E-01	7.31670E-01
2.23790E+03	5.92600E-01	6.48990E-01	3.84600E-01	7.41030E-01
2.23800E+03	5.99850E-01	6.49070E-01	3.89350E-01	7.50180E-01
2.23810E+03	6.06940E-01	6.49090E-01	3.93960E-01	7.59070E-01
2.23820E+03	6.13860E-01	6.49120E-01	3.98470E-01	7.67760E-01
2.23830E+03	6.20610E-01	6.49140E-01	4.02870E-01	7.76230E-01
2.23840E+03	6.27200E-01	6.49170E-01	4.07160E-01	7.84500E-01
2.23850E+03	6.33610E-01	6.49190E-01	4.11330E-01	7.92550E-01
2.23860E+03	6.39850E-01	6.49220E-01	4.15400E-01	8.00380E-01
2.23870E+03	6.45890E-01	6.49240E-01	4.19340E-01	8.07980E-01
2.23880E+03	6.51750E-01	6.49270E-01	4.23160E-01	8.15330E-01
2.23890E+03	6.57410E-01	6.49290E-01	4.26850E-01	8.22440E-01
2.23900E+03	6.62850E-01	6.49310E-01	4.30400E-01	8.29280E-01
2.23910E+03	6.68080E-01	6.49380E-01	4.33840E-01	8.35900E-01
2.23920E+03	6.73080E-01	6.49440E-01	4.37120E-01	8.42240E-01
2.23930E+03	6.77840E-01	6.49500E-01	4.40260E-01	8.48280E-01
2.23940E+03	6.82350E-01	6.49570E-01	4.43230E-01	8.54010E-01
2.23950E+03	6.86620E-01	6.49630E-01	4.46050E-01	8.59440E-01
2.23960E+03	6.90630E-01	6.49700E-01	4.48700E-01	8.64540E-01
2.23970E+03	6.94390E-01	6.49760E-01	4.51180E-01	8.69330E-01
2.23980E+03	6.97890E-01	6.49820E-01	4.53510E-01	8.73800E-01
2.23990E+03	7.01150E-01	6.49890E-01	4.55670E-01	8.77970E-01
2.24000E+03	7.04160E-01	6.49960E-01	4.57670E-01	8.81830E-01
2.24010E+03	7.06940E-01	6.50090E-01	4.59570E-01	8.85490E-01
2.24020E+03	7.09500E-01	6.50220E-01	4.61330E-01	8.88870E-01
2.24030E+03	7.11850E-01	6.50350E-01	4.62950E-01	8.92000E-01
2.24040E+03	7.14000E-01	6.50480E-01	4.64450E-01	8.94880E-01
2.24050E+03	7.15990E-01	6.50610E-01	4.65830E-01	8.97550E-01
2.24060E+03	7.17810E-01	6.50740E-01	4.67110E-01	9.00010E-01
2.24070E+03	7.19490E-01	6.50880E-01	4.68300E-01	9.02300E-01
2.24080E+03	7.21040E-01	6.51010E-01	4.69400E-01	9.04440E-01
2.24090E+03	7.22490E-01	6.51140E-01	4.70440E-01	9.06430E-01
2.24100E+03	7.23840E-01	6.51270E-01	4.71410E-01	9.08310E-01
2.24110E+03	7.25100E-01	6.51400E-01	4.72340E-01	9.10090E-01
2.24120E+03	7.26300E-01	6.51540E-01	4.73210E-01	9.11780E-01
2.24130E+03	7.27440E-01	6.51660E-01	4.74040E-01	9.13380E-01
2.24140E+03	7.28520E-01	6.51790E-01	4.74840E-01	9.14910E-01
2.24150E+03	7.29560E-01	6.51910E-01	4.75610E-01	9.16390E-01

2.24160E+03	7.30550E-01	6.52030E-01	4.76340E-01	9.17810E-01
2.24170E+03	7.31510E-01	6.52160E-01	4.77060E-01	9.19190E-01
2.24180E+03	7.32430E-01	6.52280E-01	4.77750E-01	9.20520E-01
2.24190E+03	7.33310E-01	6.52400E-01	4.78420E-01	9.21810E-01
2.24200E+03	7.34170E-01	6.52530E-01	4.79070E-01	9.23050E-01
2.24210E+03	7.34990E-01	6.52610E-01	4.79660E-01	9.24200E-01
2.24220E+03	7.35780E-01	6.52690E-01	4.80240E-01	9.25310E-01
2.24230E+03	7.36550E-01	6.52770E-01	4.80790E-01	9.26380E-01
2.24240E+03	7.37280E-01	6.52850E-01	4.81330E-01	9.27420E-01
2.24250E+03	7.37990E-01	6.52930E-01	4.81860E-01	9.28430E-01
2.24260E+03	7.38680E-01	6.53010E-01	4.82370E-01	9.29420E-01
2.24270E+03	7.39360E-01	6.53090E-01	4.82870E-01	9.30380E-01
2.24280E+03	7.40010E-01	6.53170E-01	4.83360E-01	9.31320E-01
2.24290E+03	7.40660E-01	6.53250E-01	4.83840E-01	9.32250E-01
2.24300E+03	7.41300E-01	6.53330E-01	4.84320E-01	9.33170E-01
2.24310E+03	7.41940E-01	6.53410E-01	4.84790E-01	9.34090E-01
2.24320E+03	7.42580E-01	6.53490E-01	4.85270E-01	9.35010E-01
2.24330E+03	7.43220E-01	6.53570E-01	4.85750E-01	9.35930E-01
2.24340E+03	7.43860E-01	6.53650E-01	4.86230E-01	9.36850E-01
2.24350E+03	7.44510E-01	6.53720E-01	4.86700E-01	9.37770E-01
2.24360E+03	7.45160E-01	6.53790E-01	4.87180E-01	9.38690E-01
2.24370E+03	7.45820E-01	6.53860E-01	4.87660E-01	9.39620E-01
2.24380E+03	7.46480E-01	6.53940E-01	4.88150E-01	9.40550E-01
2.24390E+03	7.47150E-01	6.54000E-01	4.88640E-01	9.41500E-01
2.24400E+03	7.47820E-01	6.54080E-01	4.89130E-01	9.42440E-01
2.24410E+03	7.48490E-01	6.54060E-01	4.89560E-01	9.43270E-01
2.24420E+03	7.49180E-01	6.54030E-01	4.89990E-01	9.44100E-01
2.24430E+03	7.49860E-01	6.54010E-01	4.90420E-01	9.44930E-01
2.24440E+03	7.50560E-01	6.53980E-01	4.90860E-01	9.45770E-01
2.24450E+03	7.51270E-01	6.53960E-01	4.91300E-01	9.46630E-01
2.24460E+03	7.52000E-01	6.53930E-01	4.91760E-01	9.47500E-01
2.24470E+03	7.52740E-01	6.53910E-01	4.92220E-01	9.48410E-01
2.24480E+03	7.53510E-01	6.53880E-01	4.92710E-01	9.49340E-01
2.24490E+03	7.54320E-01	6.53860E-01	4.93220E-01	9.50320E-01
2.24500E+03	7.55160E-01	6.53830E-01	4.93750E-01	9.51350E-01
2.24510E+03	7.56050E-01	6.53780E-01	4.94290E-01	9.52400E-01
2.24520E+03	7.57000E-01	6.53730E-01	4.94870E-01	9.53510E-01
2.24530E+03	7.57990E-01	6.53680E-01	4.95490E-01	9.54690E-01
2.24540E+03	7.59050E-01	6.53650E-01	4.96150E-01	9.55970E-01
2.24550E+03	7.60170E-01	6.53610E-01	4.96850E-01	9.57330E-01
2.24560E+03	7.61340E-01	6.53580E-01	4.97600E-01	9.58760E-01
2.24570E+03	7.62570E-01	6.53610E-01	4.98420E-01	9.60350E-01
2.24580E+03	7.63860E-01	6.53630E-01	4.99280E-01	9.62010E-01

2.24590E+03	7.65190E-01	6.53660E-01	5.00170E-01	9.63710E-01
2.24600E+03	7.66550E-01	6.53690E-01	5.01090E-01	9.65490E-01
2.24610E+03	7.67930E-01	6.53780E-01	5.02060E-01	9.67360E-01
2.24620E+03	7.69330E-01	6.53870E-01	5.03040E-01	9.69250E-01
2.24630E+03	7.70720E-01	6.53960E-01	5.04020E-01	9.71130E-01
2.24640E+03	7.72090E-01	6.54050E-01	5.04990E-01	9.73000E-01
2.24650E+03	7.73430E-01	6.54140E-01	5.05930E-01	9.74820E-01
2.24660E+03	7.74720E-01	6.54230E-01	5.06850E-01	9.76580E-01
2.24670E+03	7.75950E-01	6.54320E-01	5.07720E-01	9.78270E-01
2.24680E+03	7.77120E-01	6.54410E-01	5.08560E-01	9.79870E-01
2.24690E+03	7.78210E-01	6.54500E-01	5.09340E-01	9.81380E-01
2.24700E+03	7.79230E-01	6.54590E-01	5.10070E-01	9.82800E-01
2.24710E+03	7.80160E-01	6.54680E-01	5.10750E-01	9.84110E-01
2.24720E+03	7.81010E-01	6.54770E-01	5.11380E-01	9.85320E-01
2.24730E+03	7.81790E-01	6.54860E-01	5.11960E-01	9.86440E-01
2.24740E+03	7.82500E-01	6.54950E-01	5.12500E-01	9.87470E-01
2.24750E+03	7.83140E-01	6.55040E-01	5.12990E-01	9.88420E-01
2.24760E+03	7.83730E-01	6.55130E-01	5.13450E-01	9.89300E-01
2.24770E+03	7.84290E-01	6.55230E-01	5.13880E-01	9.90140E-01
2.24780E+03	7.84810E-01	6.55320E-01	5.14300E-01	9.90940E-01
2.24790E+03	7.85310E-01	6.55370E-01	5.14670E-01	9.91650E-01
2.24800E+03	7.85800E-01	6.55420E-01	5.15030E-01	9.92350E-01
2.24810E+03	7.86290E-01	6.55500E-01	5.15410E-01	9.93080E-01
2.24820E+03	7.86770E-01	6.55570E-01	5.15790E-01	9.93810E-01
2.24830E+03	7.87260E-01	6.55650E-01	5.16170E-01	9.94540E-01
2.24840E+03	7.87750E-01	6.55720E-01	5.16550E-01	9.95270E-01
2.24850E+03	7.88240E-01	6.55800E-01	5.16920E-01	9.96000E-01
2.24860E+03	7.88710E-01	6.55870E-01	5.17290E-01	9.96710E-01
2.24870E+03	7.89160E-01	6.55950E-01	5.17650E-01	9.97400E-01
2.24880E+03	7.89580E-01	6.56020E-01	5.17980E-01	9.98040E-01
2.24890E+03	7.89950E-01	6.56100E-01	5.18290E-01	9.98620E-01
2.24900E+03	7.90260E-01	6.56170E-01	5.18550E-01	9.99130E-01
2.24910E+03	7.90490E-01	6.56250E-01	5.18760E-01	9.99530E-01
2.24920E+03	7.90640E-01	6.56320E-01	5.18910E-01	9.99820E-01
2.24930E+03	7.90680E-01	6.56390E-01	5.18990E-01	9.99980E-01
2.24940E+03	7.90600E-01	6.56460E-01	5.19000E-01	1.00000E+00
2.24950E+03	7.90410E-01	6.56530E-01	5.18930E-01	9.99870E-01
2.24960E+03	7.90090E-01	6.56610E-01	5.18780E-01	9.99570E-01
2.24970E+03	7.89650E-01	6.56680E-01	5.18550E-01	9.99120E-01
2.24980E+03	7.89080E-01	6.56750E-01	5.18230E-01	9.98510E-01
2.24990E+03	7.88390E-01	6.56820E-01	5.17830E-01	9.97750E-01
2.25000E+03	7.87590E-01	6.56900E-01	5.17370E-01	9.96850E-01
2.25010E+03	7.86700E-01	6.56890E-01	5.16770E-01	9.95700E-01

2.25020E+03	7.85710E-01	6.56870E-01	5.16110E-01	9.94420E-01
2.25030E+03	7.84650E-01	6.56850E-01	5.15400E-01	9.93050E-01
2.25040E+03	7.83520E-01	6.56830E-01	5.14640E-01	9.91600E-01
2.25050E+03	7.82350E-01	6.56810E-01	5.13860E-01	9.90090E-01
2.25060E+03	7.81140E-01	6.56790E-01	5.13050E-01	9.88520E-01
2.25070E+03	7.79890E-01	6.56770E-01	5.12210E-01	9.86920E-01
2.25080E+03	7.78620E-01	6.56750E-01	5.11360E-01	9.85280E-01
2.25090E+03	7.77320E-01	6.56740E-01	5.10490E-01	9.83610E-01
2.25100E+03	7.75990E-01	6.56720E-01	5.09610E-01	9.81900E-01
2.25110E+03	7.74630E-01	6.56700E-01	5.08690E-01	9.80140E-01
2.25120E+03	7.73210E-01	6.56670E-01	5.07750E-01	9.78320E-01
2.25130E+03	7.71740E-01	6.56650E-01	5.06760E-01	9.76420E-01
2.25140E+03	7.70180E-01	6.56630E-01	5.05720E-01	9.74420E-01
2.25150E+03	7.68510E-01	6.56610E-01	5.04620E-01	9.72280E-01
2.25160E+03	7.66730E-01	6.56590E-01	5.03430E-01	9.69990E-01
2.25170E+03	7.64790E-01	6.56570E-01	5.02140E-01	9.67520E-01
2.25180E+03	7.62690E-01	6.56550E-01	5.00750E-01	9.64820E-01
2.25190E+03	7.60390E-01	6.56530E-01	4.99220E-01	9.61890E-01
2.25200E+03	7.57890E-01	6.56510E-01	4.97560E-01	9.58690E-01
2.25210E+03	7.55150E-01	6.56520E-01	4.95770E-01	9.55250E-01
2.25220E+03	7.52170E-01	6.56540E-01	4.93830E-01	9.51500E-01
2.25230E+03	7.48950E-01	6.56530E-01	4.91710E-01	9.47410E-01
2.25240E+03	7.45460E-01	6.56530E-01	4.89420E-01	9.43000E-01
2.25250E+03	7.41730E-01	6.56520E-01	4.86960E-01	9.38260E-01
2.25260E+03	7.37740E-01	6.56510E-01	4.84330E-01	9.33200E-01
2.25270E+03	7.33500E-01	6.56510E-01	4.81550E-01	9.27840E-01
2.25280E+03	7.29040E-01	6.56500E-01	4.78620E-01	9.22190E-01
2.25290E+03	7.24350E-01	6.56500E-01	4.75530E-01	9.16250E-01
2.25300E+03	7.19460E-01	6.56490E-01	4.72320E-01	9.10060E-01
2.25310E+03	7.14380E-01	6.56490E-01	4.68980E-01	9.03630E-01
2.25320E+03	7.09140E-01	6.56480E-01	4.65540E-01	8.96980E-01
2.25330E+03	7.03730E-01	6.56480E-01	4.61990E-01	8.90140E-01
2.25340E+03	6.98190E-01	6.56470E-01	4.58340E-01	8.83120E-01
2.25350E+03	6.92510E-01	6.56470E-01	4.54610E-01	8.75940E-01
2.25360E+03	6.86720E-01	6.56470E-01	4.50810E-01	8.68600E-01
2.25370E+03	6.80810E-01	6.56460E-01	4.46920E-01	8.61120E-01
2.25380E+03	6.74780E-01	6.56460E-01	4.42970E-01	8.53500E-01
2.25390E+03	6.68650E-01	6.56450E-01	4.38940E-01	8.45730E-01
2.25400E+03	6.62400E-01	6.56450E-01	4.34830E-01	8.37830E-01
2.25410E+03	6.56030E-01	6.56460E-01	4.30660E-01	8.29780E-01
2.25420E+03	6.49530E-01	6.56470E-01	4.26400E-01	8.21570E-01
2.25430E+03	6.42890E-01	6.56470E-01	4.22040E-01	8.13180E-01
2.25440E+03	6.36110E-01	6.56480E-01	4.17590E-01	8.04610E-01

2.25450E+03	6.29160E-01	6.56560E-01	4.13090E-01	7.95920E-01
2.25460E+03	6.22060E-01	6.56640E-01	4.08470E-01	7.87030E-01
2.25470E+03	6.14780E-01	6.56720E-01	4.03740E-01	7.77910E-01
2.25480E+03	6.07320E-01	6.56780E-01	3.98880E-01	7.68550E-01
2.25490E+03	5.99690E-01	6.56850E-01	3.93910E-01	7.58970E-01
2.25500E+03	5.91880E-01	6.56910E-01	3.88820E-01	7.49160E-01
2.25510E+03	5.83910E-01	6.56990E-01	3.83620E-01	7.39150E-01
2.25520E+03	5.75770E-01	6.57070E-01	3.78320E-01	7.28930E-01
2.25530E+03	5.67480E-01	6.57140E-01	3.72910E-01	7.18520E-01
2.25540E+03	5.59050E-01	6.57220E-01	3.67420E-01	7.07930E-01
2.25550E+03	5.50500E-01	6.57290E-01	3.61840E-01	6.97180E-01
2.25560E+03	5.41840E-01	6.57370E-01	3.56190E-01	6.86300E-01
2.25570E+03	5.33110E-01	6.57450E-01	3.50490E-01	6.75310E-01
2.25580E+03	5.24300E-01	6.57520E-01	3.44740E-01	6.64240E-01
2.25590E+03	5.15450E-01	6.57600E-01	3.38960E-01	6.53100E-01
2.25600E+03	5.06570E-01	6.57680E-01	3.33160E-01	6.41920E-01
2.25610E+03	4.97670E-01	6.57800E-01	3.27370E-01	6.30770E-01
2.25620E+03	4.88770E-01	6.57940E-01	3.21580E-01	6.19610E-01
2.25630E+03	4.79870E-01	6.58070E-01	3.15790E-01	6.08460E-01
2.25640E+03	4.71000E-01	6.58210E-01	3.10010E-01	5.97330E-01
2.25650E+03	4.62140E-01	6.58340E-01	3.04240E-01	5.86210E-01
2.25660E+03	4.53300E-01	6.58480E-01	2.98490E-01	5.75120E-01
2.25670E+03	4.44480E-01	6.58640E-01	2.92750E-01	5.64070E-01
2.25680E+03	4.35690E-01	6.58800E-01	2.87030E-01	5.53050E-01
2.25690E+03	4.26900E-01	6.58960E-01	2.81310E-01	5.42030E-01
2.25700E+03	4.18130E-01	6.59130E-01	2.75600E-01	5.31020E-01
2.25710E+03	4.09360E-01	6.59280E-01	2.69880E-01	5.20010E-01
2.25720E+03	4.00590E-01	6.59440E-01	2.64160E-01	5.08990E-01
2.25730E+03	3.91810E-01	6.59600E-01	2.58440E-01	4.97950E-01
2.25740E+03	3.83020E-01	6.59760E-01	2.52700E-01	4.86900E-01
2.25750E+03	3.74220E-01	6.59920E-01	2.46960E-01	4.75830E-01
2.25760E+03	3.65410E-01	6.60080E-01	2.41200E-01	4.64740E-01
2.25770E+03	3.56590E-01	6.60240E-01	2.35440E-01	4.53630E-01
2.25780E+03	3.47770E-01	6.60400E-01	2.29670E-01	4.42520E-01
2.25790E+03	3.38960E-01	6.60560E-01	2.23900E-01	4.31410E-01
2.25800E+03	3.30170E-01	6.60720E-01	2.18150E-01	4.20320E-01
2.25810E+03	3.21400E-01	6.60880E-01	2.12410E-01	4.09260E-01
2.25820E+03	3.12680E-01	6.61040E-01	2.06690E-01	3.98250E-01
2.25830E+03	3.04020E-01	6.61200E-01	2.01020E-01	3.87320E-01
2.25840E+03	2.95430E-01	6.61370E-01	1.95390E-01	3.76470E-01
2.25850E+03	2.86930E-01	6.61530E-01	1.89810E-01	3.65730E-01
2.25860E+03	2.78540E-01	6.61690E-01	1.84310E-01	3.55120E-01
2.25870E+03	2.70280E-01	6.61850E-01	1.78880E-01	3.44670E-01

2.25880E+03	2.62140E-01	6.62010E-01	1.73540E-01	3.34380E-01
2.25890E+03	2.54160E-01	6.62100E-01	1.68280E-01	3.24230E-01
2.25900E+03	2.46330E-01	6.62180E-01	1.63110E-01	3.14280E-01
2.25910E+03	2.38660E-01	6.62270E-01	1.58060E-01	3.04540E-01
2.25920E+03	2.31160E-01	6.62350E-01	1.53110E-01	2.95010E-01
2.25930E+03	2.23840E-01	6.62430E-01	1.48280E-01	2.85700E-01
2.25940E+03	2.16690E-01	6.62520E-01	1.43560E-01	2.76610E-01
2.25950E+03	2.09720E-01	6.62600E-01	1.38960E-01	2.67740E-01
2.25960E+03	2.02920E-01	6.62680E-01	1.34470E-01	2.59090E-01
2.25970E+03	1.96290E-01	6.62770E-01	1.30090E-01	2.50660E-01
2.25980E+03	1.89820E-01	6.62850E-01	1.25820E-01	2.42430E-01
2.25990E+03	1.83520E-01	6.62940E-01	1.21660E-01	2.34410E-01
2.26000E+03	1.77370E-01	6.63020E-01	1.17600E-01	2.26590E-01
2.26010E+03	1.71380E-01	6.63120E-01	1.13650E-01	2.18970E-01
2.26020E+03	1.65540E-01	6.63220E-01	1.09790E-01	2.11540E-01
2.26030E+03	1.59840E-01	6.63330E-01	1.06030E-01	2.04290E-01
2.26040E+03	1.54290E-01	6.63430E-01	1.02360E-01	1.97230E-01
2.26050E+03	1.48880E-01	6.63500E-01	9.87840E-02	1.90330E-01
2.26060E+03	1.43610E-01	6.63580E-01	9.52980E-02	1.83620E-01
2.26070E+03	1.38480E-01	6.63650E-01	9.19040E-02	1.77080E-01
2.26080E+03	1.33490E-01	6.63730E-01	8.86020E-02	1.70720E-01
2.26090E+03	1.28640E-01	6.63800E-01	8.53920E-02	1.64530E-01
2.26100E+03	1.23930E-01	6.63880E-01	8.22740E-02	1.58520E-01
2.26110E+03	1.19360E-01	6.64010E-01	7.92550E-02	1.52710E-01
2.26120E+03	1.14930E-01	6.64140E-01	7.63280E-02	1.47070E-01
2.26130E+03	1.10630E-01	6.64270E-01	7.34910E-02	1.41600E-01
2.26140E+03	1.06480E-01	6.64400E-01	7.07460E-02	1.36310E-01
2.26150E+03	1.02460E-01	6.64530E-01	6.80900E-02	1.31190E-01
2.26160E+03	9.85810E-02	6.64670E-01	6.55230E-02	1.26250E-01
2.26170E+03	9.48300E-02	6.64800E-01	6.30420E-02	1.21470E-01
2.26180E+03	9.12070E-02	6.64930E-01	6.06460E-02	1.16850E-01
2.26190E+03	8.77100E-02	6.65060E-01	5.83320E-02	1.12390E-01
2.26200E+03	8.43340E-02	6.65200E-01	5.60990E-02	1.08090E-01
2.26210E+03	8.10750E-02	6.65360E-01	5.39440E-02	1.03940E-01
2.26220E+03	7.79300E-02	6.65510E-01	5.18630E-02	9.99290E-02
2.26230E+03	7.48950E-02	6.65670E-01	4.98550E-02	9.60600E-02
2.26240E+03	7.19670E-02	6.65830E-01	4.79180E-02	9.23270E-02
2.26250E+03	6.91440E-02	6.65990E-01	4.60490E-02	8.87270E-02
2.26260E+03	6.64230E-02	6.66150E-01	4.42480E-02	8.52560E-02
2.26270E+03	6.38050E-02	6.66310E-01	4.25140E-02	8.19150E-02
2.26280E+03	6.12880E-02	6.66470E-01	4.08470E-02	7.87020E-02
2.26290E+03	5.88710E-02	6.66630E-01	3.92450E-02	7.56170E-02
2.26300E+03	5.65560E-02	6.66790E-01	3.77110E-02	7.26610E-02

2.26310E+03	5.43430E-02	6.66950E-01	3.62440E-02	6.98340E-02
2.26320E+03	5.22320E-02	6.67110E-01	3.48450E-02	6.71380E-02
2.26330E+03	5.02240E-02	6.67280E-01	3.35140E-02	6.45730E-02
2.26340E+03	4.83180E-02	6.67460E-01	3.22500E-02	6.21390E-02
2.26350E+03	4.65140E-02	6.67640E-01	3.10540E-02	5.98350E-02
2.26360E+03	4.48090E-02	6.67810E-01	2.99240E-02	5.76570E-02
2.26370E+03	4.32010E-02	6.67990E-01	2.88580E-02	5.56030E-02
2.26380E+03	4.16870E-02	6.68160E-01	2.78540E-02	5.36680E-02
2.26390E+03	4.02600E-02	6.68340E-01	2.69070E-02	5.18440E-02
2.26400E+03	3.89150E-02	6.68500E-01	2.60140E-02	5.01240E-02
2.26410E+03	3.76430E-02	6.68600E-01	2.51680E-02	4.84940E-02
2.26420E+03	3.64380E-02	6.68700E-01	2.43660E-02	4.69480E-02
2.26430E+03	3.52900E-02	6.68800E-01	2.36020E-02	4.54760E-02
2.26440E+03	3.41890E-02	6.68910E-01	2.28690E-02	4.40640E-02
2.26450E+03	3.31270E-02	6.69010E-01	2.21620E-02	4.27020E-02
2.26460E+03	3.20940E-02	6.69110E-01	2.14750E-02	4.13770E-02
2.26470E+03	3.10820E-02	6.69210E-01	2.08010E-02	4.00780E-02
2.26480E+03	3.00840E-02	6.69310E-01	2.01350E-02	3.87960E-02
2.26490E+03	2.90920E-02	6.69410E-01	1.94750E-02	3.75240E-02
2.26500E+03	2.81030E-02	6.69520E-01	1.88160E-02	3.62540E-02
2.26510E+03	2.71130E-02	6.69610E-01	1.81550E-02	3.49810E-02
2.26520E+03	2.61220E-02	6.69690E-01	1.74930E-02	3.37060E-02
2.26530E+03	2.51280E-02	6.69780E-01	1.68300E-02	3.24280E-02
2.26540E+03	2.41350E-02	6.69850E-01	1.61670E-02	3.11500E-02
2.26550E+03	2.31460E-02	6.69830E-01	1.55040E-02	2.98730E-02
2.26560E+03	2.21660E-02	6.69810E-01	1.48470E-02	2.86070E-02
2.26570E+03	2.12020E-02	6.69790E-01	1.42010E-02	2.73620E-02
2.26580E+03	2.02600E-02	6.69770E-01	1.35700E-02	2.61460E-02
2.26590E+03	1.99850E-02	6.69740E-01	1.33850E-02	2.57900E-02
2.26600E+03	1.92020E-02	6.69720E-01	1.28600E-02	2.47780E-02
2.26610E+03	1.84520E-02	6.69680E-01	1.23570E-02	2.38090E-02
2.26620E+03	1.77360E-02	6.69650E-01	1.18770E-02	2.28840E-02
2.26630E+03	1.70560E-02	6.69610E-01	1.14210E-02	2.20050E-02
2.26640E+03	1.64130E-02	6.69570E-01	1.09890E-02	2.11740E-02
2.26650E+03	1.58060E-02	6.69530E-01	1.05830E-02	2.03910E-02
2.26660E+03	1.52380E-02	6.69500E-01	1.02020E-02	1.96560E-02
2.26670E+03	1.47060E-02	6.69460E-01	9.84490E-03	1.89690E-02
2.26680E+03	1.42100E-02	6.69420E-01	9.51230E-03	1.83280E-02
2.26690E+03	1.37480E-02	6.69390E-01	9.20290E-03	1.77320E-02
2.26700E+03	1.33200E-02	6.69350E-01	8.91550E-03	1.71780E-02
2.26710E+03	1.29220E-02	6.69310E-01	8.64850E-03	1.66640E-02
2.26720E+03	1.25520E-02	6.69270E-01	8.40050E-03	1.61860E-02
2.26730E+03	1.22080E-02	6.69230E-01	8.16970E-03	1.57410E-02

2.26740E+03	1.18860E-02	6.69190E-01	7.95410E-03	1.53260E-02
2.26750E+03	1.15850E-02	6.69150E-01	7.75210E-03	1.49370E-02
2.26760E+03	1.13010E-02	6.69100E-01	7.56160E-03	1.45700E-02
2.26770E+03	1.10320E-02	6.69050E-01	7.38090E-03	1.42210E-02
2.26780E+03	1.07750E-02	6.69000E-01	7.20840E-03	1.38890E-02
2.26790E+03	1.05280E-02	6.68950E-01	7.04250E-03	1.35690E-02
2.26800E+03	1.02880E-02	6.68900E-01	6.88190E-03	1.32600E-02
2.26810E+03	1.00550E-02	6.68840E-01	6.72530E-03	1.29580E-02
2.26820E+03	9.82660E-03	6.68770E-01	6.57180E-03	1.26620E-02
2.26830E+03	9.60130E-03	6.68700E-01	6.42040E-03	1.23710E-02
2.26840E+03	9.37820E-03	6.68640E-01	6.27060E-03	1.20820E-02
2.26850E+03	9.15630E-03	6.68570E-01	6.12160E-03	1.17950E-02
2.26860E+03	8.93480E-03	6.68500E-01	5.97300E-03	1.15090E-02
2.26870E+03	8.71330E-03	6.68440E-01	5.82430E-03	1.12220E-02
2.26880E+03	8.49110E-03	6.68370E-01	5.67520E-03	1.09350E-02
2.26890E+03	8.26770E-03	6.68300E-01	5.52540E-03	1.06460E-02
2.26900E+03	8.04270E-03	6.68240E-01	5.37450E-03	1.03550E-02
2.26910E+03	7.81570E-03	6.68170E-01	5.22220E-03	1.00620E-02
2.26920E+03	7.58620E-03	6.68100E-01	5.06840E-03	9.76570E-03
2.26930E+03	7.35400E-03	6.68040E-01	4.91280E-03	9.46580E-03
2.26940E+03	7.11890E-03	6.67970E-01	4.75520E-03	9.16220E-03
2.26950E+03	6.88060E-03	6.67900E-01	4.59560E-03	8.85470E-03
2.26960E+03	6.63930E-03	6.67840E-01	4.43400E-03	8.54330E-03
2.26970E+03	6.39520E-03	6.67770E-01	4.27050E-03	8.22840E-03
2.26980E+03	6.14880E-03	6.67700E-01	4.10560E-03	7.91060E-03
2.26990E+03	5.90100E-03	6.67710E-01	3.94020E-03	7.59180E-03
2.27000E+03	5.65280E-03	6.67760E-01	3.77470E-03	7.27300E-03
2.27010E+03	5.40570E-03	6.67970E-01	3.61080E-03	6.95720E-03
2.27020E+03	5.16140E-03	6.68180E-01	3.44870E-03	6.64490E-03
2.27030E+03	4.92200E-03	6.68390E-01	3.28980E-03	6.33870E-03
2.27040E+03	4.68980E-03	6.68600E-01	3.13560E-03	6.04160E-03
2.27050E+03	4.46740E-03	6.68770E-01	2.98770E-03	5.75660E-03
2.27060E+03	4.25740E-03	6.68800E-01	2.84740E-03	5.48630E-03
2.27070E+03	4.06260E-03	6.68830E-01	2.71720E-03	5.23550E-03
2.27080E+03	3.88570E-03	6.68860E-01	2.59900E-03	5.00770E-03
2.27090E+03	3.72910E-03	6.68890E-01	2.49440E-03	4.80610E-03
2.27100E+03	3.59520E-03	6.68920E-01	2.40490E-03	4.63370E-03
2.27110E+03	3.48580E-03	6.68950E-01	2.33180E-03	4.49300E-03
2.27120E+03	3.40240E-03	6.68980E-01	2.27610E-03	4.38560E-03
2.27130E+03	3.34580E-03	6.69010E-01	2.23830E-03	4.31280E-03
2.27140E+03	3.31610E-03	6.69030E-01	2.21860E-03	4.27470E-03
2.27150E+03	3.31290E-03	6.69060E-01	2.21660E-03	4.27080E-03
2.27160E+03	3.33510E-03	6.69090E-01	2.23150E-03	4.29950E-03

2.27170E+03	3.38050E-03	6.69120E-01	2.26200E-03	4.35830E-03
2.27180E+03	3.44680E-03	6.69150E-01	2.30640E-03	4.44400E-03
2.27190E+03	3.53080E-03	6.69170E-01	2.36270E-03	4.55240E-03
2.27200E+03	3.62860E-03	6.69200E-01	2.42830E-03	4.67880E-03
2.27210E+03	3.73640E-03	6.69170E-01	2.50030E-03	4.81750E-03
2.27220E+03	3.84980E-03	6.69140E-01	2.57600E-03	4.96340E-03
2.27230E+03	3.96420E-03	6.69110E-01	2.65250E-03	5.11070E-03
2.27240E+03	4.07540E-03	6.69070E-01	2.72680E-03	5.25390E-03
2.27250E+03	4.17920E-03	6.69040E-01	2.79600E-03	5.38730E-03
2.27260E+03	4.27160E-03	6.69010E-01	2.85770E-03	5.50620E-03
2.27270E+03	4.34930E-03	6.68980E-01	2.90960E-03	5.60610E-03
2.27280E+03	4.40950E-03	6.68950E-01	2.94970E-03	5.68340E-03
2.27290E+03	4.44990E-03	6.68910E-01	2.97660E-03	5.73520E-03
2.27300E+03	4.46910E-03	6.68880E-01	2.98930E-03	5.75970E-03
2.27310E+03	4.46640E-03	6.68850E-01	2.98730E-03	5.75590E-03
2.27320E+03	4.44180E-03	6.68820E-01	2.97070E-03	5.72390E-03
2.27330E+03	4.39600E-03	6.68790E-01	2.94000E-03	5.66470E-03
2.27340E+03	4.33040E-03	6.68750E-01	2.89600E-03	5.57990E-03
2.27350E+03	4.24700E-03	6.68720E-01	2.84000E-03	5.47210E-03
2.27360E+03	4.14810E-03	6.68680E-01	2.77380E-03	5.34440E-03
2.27370E+03	4.03650E-03	6.68640E-01	2.69900E-03	5.20040E-03
2.27380E+03	3.91510E-03	6.68600E-01	2.61760E-03	5.04360E-03
2.27390E+03	3.78660E-03	6.68570E-01	2.53160E-03	4.87790E-03
2.27400E+03	3.65400E-03	6.68530E-01	2.44280E-03	4.70680E-03
2.27410E+03	3.51990E-03	6.68510E-01	2.35310E-03	4.53390E-03
2.27420E+03	3.38640E-03	6.68490E-01	2.26380E-03	4.36180E-03
2.27430E+03	3.25550E-03	6.68420E-01	2.17600E-03	4.19280E-03
2.27440E+03	3.12850E-03	6.68350E-01	2.09090E-03	4.02880E-03
2.27450E+03	3.00640E-03	6.68280E-01	2.00910E-03	3.87110E-03
2.27460E+03	2.88940E-03	6.68210E-01	1.93070E-03	3.72010E-03
2.27470E+03	2.77760E-03	6.68140E-01	1.85590E-03	3.57580E-03
2.27480E+03	2.67050E-03	6.68080E-01	1.78410E-03	3.43760E-03
2.27490E+03	2.56720E-03	6.68010E-01	1.71490E-03	3.30420E-03
2.27500E+03	2.46650E-03	6.67940E-01	1.64750E-03	3.17430E-03
2.27510E+03	2.36730E-03	6.67890E-01	1.58110E-03	3.04640E-03
2.27520E+03	2.26810E-03	6.67830E-01	1.51470E-03	2.91850E-03
2.27530E+03	2.16770E-03	6.67780E-01	1.44760E-03	2.78920E-03
2.27540E+03	2.06500E-03	6.67730E-01	1.37890E-03	2.65680E-03
2.27550E+03	1.95910E-03	6.67680E-01	1.30810E-03	2.52030E-03
2.27560E+03	1.84940E-03	6.67630E-01	1.23470E-03	2.37900E-03
2.27570E+03	1.73580E-03	6.67580E-01	1.15880E-03	2.23270E-03
2.27580E+03	1.61850E-03	6.67520E-01	1.08040E-03	2.08170E-03
2.27590E+03	1.50350E-03	6.67470E-01	1.00350E-03	1.93360E-03

2.27600E+03	1.39160E-03	6.67420E-01	9.28820E-04	1.78960E-03
2.27610E+03	1.28080E-03	6.67430E-01	8.54830E-04	1.64710E-03
2.27620E+03	1.16940E-03	6.67440E-01	7.80480E-04	1.50380E-03
2.27630E+03	1.05790E-03	6.67440E-01	7.06070E-04	1.36040E-03
2.27640E+03	9.50650E-04	6.67450E-01	6.34510E-04	1.22260E-03
2.27650E+03	8.51610E-04	6.67550E-01	5.68490E-04	1.09540E-03
2.27660E+03	7.63480E-04	6.67660E-01	5.09750E-04	9.82170E-04
2.27670E+03	6.88570E-04	6.67770E-01	4.59800E-04	8.85940E-04
2.27680E+03	6.28760E-04	6.67880E-01	4.19940E-04	8.09120E-04
2.27690E+03	5.85570E-04	6.67980E-01	3.91150E-04	7.53660E-04
2.27700E+03	5.59980E-04	6.68100E-01	3.74120E-04	7.20850E-04
2.27710E+03	5.52480E-04	6.68240E-01	3.69190E-04	7.11350E-04
2.27720E+03	5.62940E-04	6.68390E-01	3.76260E-04	7.24970E-04
2.27730E+03	5.90650E-04	6.68540E-01	3.94870E-04	7.60830E-04
2.27740E+03	6.34330E-04	6.68690E-01	4.24170E-04	8.17280E-04
2.27750E+03	6.92150E-04	6.68840E-01	4.62930E-04	8.91970E-04
2.27760E+03	7.61760E-04	6.68990E-01	5.09610E-04	9.81900E-04
2.27770E+03	8.40450E-04	6.69130E-01	5.62370E-04	1.08360E-03
2.27780E+03	9.25160E-04	6.69280E-01	6.19190E-04	1.19300E-03
2.27790E+03	1.01260E-03	6.69430E-01	6.77880E-04	1.30610E-03
2.27800E+03	1.09440E-03	6.69580E-01	7.32800E-04	1.41190E-03
2.27810E+03	1.16740E-03	6.69680E-01	7.81790E-04	1.50630E-03
2.27820E+03	1.23220E-03	6.69780E-01	8.25300E-04	1.59020E-03
2.27830E+03	1.28930E-03	6.69880E-01	8.63710E-04	1.66420E-03
2.27840E+03	1.33800E-03	6.69990E-01	8.96470E-04	1.72730E-03
2.27850E+03	1.37420E-03	6.70090E-01	9.20850E-04	1.77430E-03
2.27860E+03	1.39480E-03	6.70190E-01	9.34780E-04	1.80110E-03
2.27870E+03	1.39850E-03	6.70240E-01	9.37300E-04	1.80600E-03
2.27880E+03	1.38480E-03	6.70290E-01	9.28200E-04	1.78840E-03
2.27890E+03	1.35430E-03	6.70340E-01	9.07830E-04	1.74920E-03
2.27900E+03	1.30970E-03	6.70390E-01	8.77990E-04	1.69170E-03
2.27910E+03	1.25760E-03	6.70430E-01	8.43160E-04	1.62460E-03
2.27920E+03	1.20000E-03	6.70480E-01	8.04580E-04	1.55030E-03
2.27930E+03	1.13650E-03	6.70530E-01	7.62060E-04	1.46830E-03
2.27940E+03	1.06670E-03	6.70570E-01	7.15310E-04	1.37820E-03
2.27950E+03	9.90390E-04	6.70620E-01	6.64180E-04	1.27970E-03
2.27960E+03	9.07580E-04	6.70670E-01	6.08680E-04	1.17280E-03
2.27970E+03	8.18850E-04	6.70720E-01	5.49220E-04	1.05820E-03
2.27980E+03	7.28920E-04	6.70760E-01	4.88930E-04	9.42060E-04
2.27990E+03	6.46570E-04	6.70810E-01	4.33730E-04	8.35690E-04
2.28000E+03	5.75640E-04	6.70850E-01	3.86170E-04	7.44060E-04
2.28010E+03	5.18780E-04	6.70850E-01	3.48030E-04	6.70570E-04
2.28020E+03	4.78090E-04	6.70860E-01	3.20730E-04	6.17980E-04

2.28030E+03	4.55090E-04	6.70870E-01	3.05310E-04	5.88260E-04
2.28040E+03	4.50730E-04	6.70870E-01	3.02380E-04	5.82620E-04
2.28050E+03	4.65290E-04	6.70880E-01	3.12160E-04	6.01460E-04
2.28060E+03	4.98460E-04	6.70890E-01	3.34410E-04	6.44340E-04
2.28070E+03	5.49270E-04	6.70890E-01	3.68500E-04	7.10020E-04
2.28080E+03	6.16150E-04	6.70900E-01	4.13370E-04	7.96480E-04
2.28090E+03	6.96930E-04	6.70880E-01	4.67550E-04	9.00870E-04
2.28100E+03	7.88770E-04	6.70860E-01	5.29150E-04	1.01960E-03
2.28110E+03	8.86930E-04	6.70850E-01	5.94990E-04	1.14640E-03
2.28120E+03	9.82970E-04	6.70830E-01	6.59410E-04	1.27050E-03
2.28130E+03	1.07370E-03	6.70820E-01	7.20240E-04	1.38770E-03
2.28140E+03	1.15840E-03	6.70800E-01	7.77040E-04	1.49720E-03
2.28150E+03	1.23690E-03	6.70790E-01	8.29720E-04	1.59870E-03
2.28160E+03	1.30950E-03	6.70770E-01	8.78360E-04	1.69240E-03
2.28170E+03	1.37630E-03	6.70760E-01	9.23170E-04	1.77870E-03
2.28180E+03	1.43760E-03	6.70740E-01	9.64260E-04	1.85790E-03
2.28190E+03	1.48980E-03	6.70730E-01	9.99230E-04	1.92530E-03
2.28200E+03	1.52550E-03	6.70710E-01	1.02320E-03	1.97140E-03
2.28210E+03	1.54270E-03	6.70750E-01	1.03470E-03	1.99370E-03
2.28220E+03	1.54060E-03	6.70790E-01	1.03340E-03	1.99110E-03
2.28230E+03	1.51930E-03	6.70830E-01	1.01920E-03	1.96380E-03
2.28240E+03	1.47990E-03	6.70870E-01	9.92810E-04	1.91290E-03
2.28250E+03	1.42680E-03	6.70910E-01	9.57240E-04	1.84440E-03
2.28260E+03	1.36800E-03	6.70950E-01	9.17840E-04	1.76850E-03
2.28270E+03	1.30470E-03	6.70990E-01	8.75460E-04	1.68680E-03
2.28280E+03	1.23690E-03	6.71040E-01	8.30030E-04	1.59930E-03
2.28290E+03	1.16460E-03	6.71100E-01	7.81550E-04	1.50590E-03
2.28300E+03	9.62720E-04	6.71150E-01	6.46130E-04	1.24500E-03
2.28310E+03	7.44770E-04	6.71240E-01	4.99920E-04	9.63230E-04
2.28320E+03	5.33810E-04	6.71320E-01	3.58360E-04	6.90480E-04
2.28330E+03	3.37710E-04	6.71410E-01	2.26740E-04	4.36880E-04
2.28340E+03	1.69270E-04	6.71490E-01	1.13670E-04	2.19010E-04
2.28350E+03	9.52870E-05	6.71580E-01	6.39930E-05	1.23300E-04
2.28360E+03	1.80910E-04	6.71660E-01	1.21510E-04	2.34130E-04
2.28370E+03	2.78530E-04	6.71750E-01	1.87100E-04	3.60510E-04
2.28380E+03	3.53570E-04	6.71840E-01	2.37540E-04	4.57690E-04
2.28390E+03	4.02010E-04	6.71920E-01	2.70120E-04	5.20460E-04
2.28400E+03	0.00000E+00	6.72010E-01	0.00000E+00	0.00000E+00
Channel 17				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4

2.38620E+03	0.00000E+00	6.80770E-01	0.00000E+00	0.00000E+00
2.38630E+03	9.87850E-04	6.80750E-01	6.72480E-04	1.31480E-03
2.38640E+03	8.51770E-04	6.80730E-01	5.79830E-04	1.13370E-03
2.38650E+03	7.32630E-04	6.80770E-01	4.98750E-04	9.75170E-04
2.38660E+03	6.33560E-04	6.80810E-01	4.31330E-04	8.43350E-04
2.38670E+03	5.56770E-04	6.80840E-01	3.79070E-04	7.41170E-04
2.38680E+03	5.03100E-04	6.80880E-01	3.42550E-04	6.69760E-04
2.38690E+03	4.71670E-04	6.80910E-01	3.21170E-04	6.27950E-04
2.38700E+03	4.60770E-04	6.80950E-01	3.13760E-04	6.13470E-04
2.38710E+03	4.68970E-04	6.80980E-01	3.19360E-04	6.24410E-04
2.38720E+03	4.95640E-04	6.81010E-01	3.37540E-04	6.59960E-04
2.38730E+03	5.40890E-04	6.81040E-01	3.68370E-04	7.20240E-04
2.38740E+03	6.04510E-04	6.81070E-01	4.11710E-04	8.04990E-04
2.38750E+03	6.85170E-04	6.81100E-01	4.66670E-04	9.12440E-04
2.38760E+03	7.80670E-04	6.81130E-01	5.31740E-04	1.03970E-03
2.38770E+03	8.88230E-04	6.81160E-01	6.05030E-04	1.18300E-03
2.38780E+03	1.00490E-03	6.81190E-01	6.84550E-04	1.33840E-03
2.38790E+03	1.12830E-03	6.81230E-01	7.68630E-04	1.50280E-03
2.38800E+03	1.25670E-03	6.81260E-01	8.56110E-04	1.67390E-03
2.38810E+03	1.38910E-03	6.81250E-01	9.46300E-04	1.85020E-03
2.38820E+03	1.52570E-03	6.81250E-01	1.03930E-03	2.03210E-03
2.38830E+03	2.69010E-03	6.81250E-01	1.83260E-03	3.58310E-03
2.38840E+03	2.89470E-03	6.81240E-01	1.97200E-03	3.85570E-03
2.38850E+03	3.11510E-03	6.81240E-01	2.12210E-03	4.14920E-03
2.38860E+03	3.35020E-03	6.81240E-01	2.28230E-03	4.46230E-03
2.38870E+03	3.59880E-03	6.81220E-01	2.45160E-03	4.79340E-03
2.38880E+03	3.85970E-03	6.81210E-01	2.62920E-03	5.14070E-03
2.38890E+03	4.13130E-03	6.81190E-01	2.81420E-03	5.50240E-03
2.38900E+03	4.41230E-03	6.81180E-01	3.00550E-03	5.87650E-03
2.38910E+03	4.70120E-03	6.81160E-01	3.20230E-03	6.26110E-03
2.38920E+03	4.99680E-03	6.81140E-01	3.40350E-03	6.65460E-03
2.38930E+03	5.29770E-03	6.81120E-01	3.60840E-03	7.05510E-03
2.38940E+03	5.60280E-03	6.81110E-01	3.81610E-03	7.46120E-03
2.38950E+03	5.91100E-03	6.81090E-01	4.02590E-03	7.87150E-03
2.38960E+03	6.22150E-03	6.81070E-01	4.23730E-03	8.28480E-03
2.38970E+03	6.53360E-03	6.81050E-01	4.44970E-03	8.70020E-03
2.38980E+03	6.84690E-03	6.81040E-01	4.66300E-03	9.11710E-03
2.38990E+03	7.16120E-03	6.81020E-01	4.87690E-03	9.53540E-03
2.39000E+03	7.47660E-03	6.81000E-01	5.09160E-03	9.95510E-03
2.39010E+03	7.79340E-03	6.80920E-01	5.30660E-03	1.03760E-02
2.39020E+03	8.11190E-03	6.80830E-01	5.52290E-03	1.07980E-02
2.39030E+03	8.43280E-03	6.80750E-01	5.74070E-03	1.12240E-02
2.39040E+03	8.75680E-03	6.80670E-01	5.96050E-03	1.16540E-02

2.39050E+03	9.08450E-03	6.80580E-01	6.18270E-03	1.20890E-02
2.39060E+03	1.03710E-02	6.80500E-01	7.05770E-03	1.37990E-02
2.39070E+03	1.08280E-02	6.80420E-01	7.36720E-03	1.44040E-02
2.39080E+03	1.12510E-02	6.80330E-01	7.65460E-03	1.49660E-02
2.39090E+03	1.16400E-02	6.80200E-01	7.91750E-03	1.54800E-02
2.39100E+03	1.19920E-02	6.80060E-01	8.15540E-03	1.59450E-02
2.39110E+03	1.23070E-02	6.79920E-01	8.36790E-03	1.63610E-02
2.39120E+03	1.25870E-02	6.79780E-01	8.55620E-03	1.67290E-02
2.39130E+03	1.28330E-02	6.79650E-01	8.72190E-03	1.70530E-02
2.39140E+03	1.30500E-02	6.79510E-01	8.86740E-03	1.73380E-02
2.39150E+03	1.32420E-02	6.79370E-01	8.99620E-03	1.75890E-02
2.39160E+03	1.34160E-02	6.79230E-01	9.11230E-03	1.78160E-02
2.39170E+03	1.35770E-02	6.79090E-01	9.21990E-03	1.80270E-02
2.39180E+03	1.37330E-02	6.78950E-01	9.32410E-03	1.82310E-02
2.39190E+03	1.38920E-02	6.78810E-01	9.42980E-03	1.84370E-02
2.39200E+03	1.40590E-02	6.78670E-01	9.54180E-03	1.86560E-02
2.39210E+03	1.42430E-02	6.78640E-01	9.66620E-03	1.88990E-02
2.39220E+03	1.44500E-02	6.78610E-01	9.80580E-03	1.91720E-02
2.39230E+03	1.46840E-02	6.78580E-01	9.96420E-03	1.94820E-02
2.39240E+03	1.49500E-02	6.78560E-01	1.01440E-02	1.98340E-02
2.39250E+03	1.52510E-02	6.78530E-01	1.03480E-02	2.02330E-02
2.39260E+03	1.55890E-02	6.78500E-01	1.05770E-02	2.06810E-02
2.39270E+03	1.59660E-02	6.78470E-01	1.08320E-02	2.11790E-02
2.39280E+03	1.63790E-02	6.78440E-01	1.11120E-02	2.17270E-02
2.39290E+03	1.68290E-02	6.78410E-01	1.14170E-02	2.23220E-02
2.39300E+03	1.73120E-02	6.78380E-01	1.17440E-02	2.29620E-02
2.39310E+03	1.78260E-02	6.78360E-01	1.20930E-02	2.36440E-02
2.39320E+03	1.83680E-02	6.78350E-01	1.24600E-02	2.43620E-02
2.39330E+03	1.89340E-02	6.78340E-01	1.28430E-02	2.51110E-02
2.39340E+03	1.95200E-02	6.78320E-01	1.32410E-02	2.58890E-02
2.39350E+03	2.01240E-02	6.78310E-01	1.36500E-02	2.66890E-02
2.39360E+03	2.07430E-02	6.78300E-01	1.40700E-02	2.75100E-02
2.39370E+03	2.13760E-02	6.78290E-01	1.44990E-02	2.83480E-02
2.39380E+03	2.20220E-02	6.78270E-01	1.49370E-02	2.92040E-02
2.39390E+03	2.26810E-02	6.78260E-01	1.53840E-02	3.00780E-02
2.39400E+03	2.33550E-02	6.78250E-01	1.58410E-02	3.09720E-02
2.39410E+03	2.40470E-02	6.78220E-01	1.63090E-02	3.18870E-02
2.39420E+03	2.47590E-02	6.78190E-01	1.67910E-02	3.28300E-02
2.39430E+03	2.54960E-02	6.78160E-01	1.72900E-02	3.38060E-02
2.39440E+03	2.62610E-02	6.78130E-01	1.78090E-02	3.48200E-02
2.39450E+03	2.70600E-02	6.78100E-01	1.83500E-02	3.58770E-02
2.39460E+03	2.78970E-02	6.78070E-01	1.89160E-02	3.69850E-02
2.39470E+03	2.87740E-02	6.78040E-01	1.95100E-02	3.81460E-02

2.39480E+03	2.96950E-02	6.78020E-01	2.01340E-02	3.93660E-02
2.39490E+03	3.06630E-02	6.78000E-01	2.07890E-02	4.06470E-02
2.39500E+03	3.16770E-02	6.77980E-01	2.14760E-02	4.19900E-02
2.39510E+03	3.27360E-02	6.77950E-01	2.21930E-02	4.33930E-02
2.39520E+03	3.38400E-02	6.77910E-01	2.29410E-02	4.48540E-02
2.39530E+03	3.49850E-02	6.77930E-01	2.37180E-02	4.63730E-02
2.39540E+03	3.61670E-02	6.77960E-01	2.45200E-02	4.79410E-02
2.39550E+03	3.73790E-02	6.77980E-01	2.53430E-02	4.95500E-02
2.39560E+03	3.86180E-02	6.78010E-01	2.61830E-02	5.11940E-02
2.39570E+03	3.98750E-02	6.78040E-01	2.70370E-02	5.28630E-02
2.39580E+03	4.11460E-02	6.78060E-01	2.78990E-02	5.45490E-02
2.39590E+03	4.24240E-02	6.78090E-01	2.87670E-02	5.62450E-02
2.39600E+03	4.37040E-02	6.78110E-01	2.96360E-02	5.79440E-02
2.39610E+03	4.49820E-02	6.78070E-01	3.05010E-02	5.96360E-02
2.39620E+03	4.62570E-02	6.78030E-01	3.13630E-02	6.13220E-02
2.39630E+03	4.75270E-02	6.77980E-01	3.22220E-02	6.30010E-02
2.39640E+03	4.87930E-02	6.77930E-01	3.30790E-02	6.46760E-02
2.39650E+03	5.00580E-02	6.77890E-01	3.39340E-02	6.63480E-02
2.39660E+03	5.13270E-02	6.77840E-01	3.47910E-02	6.80240E-02
2.39670E+03	5.26040E-02	6.77790E-01	3.56540E-02	6.97120E-02
2.39680E+03	5.38960E-02	6.77750E-01	3.65280E-02	7.14200E-02
2.39690E+03	5.52110E-02	6.77700E-01	3.74170E-02	7.31580E-02
2.39700E+03	5.65580E-02	6.77650E-01	3.83270E-02	7.49370E-02
2.39710E+03	5.79440E-02	6.77610E-01	3.92640E-02	7.67680E-02
2.39720E+03	5.93770E-02	6.77570E-01	4.02320E-02	7.86610E-02
2.39730E+03	6.08630E-02	6.77520E-01	4.12360E-02	8.06260E-02
2.39740E+03	6.24090E-02	6.77480E-01	4.22810E-02	8.26680E-02
2.39750E+03	6.40190E-02	6.77420E-01	4.33680E-02	8.47930E-02
2.39760E+03	6.56960E-02	6.77360E-01	4.45000E-02	8.70070E-02
2.39770E+03	6.74410E-02	6.77300E-01	4.56780E-02	8.93100E-02
2.39780E+03	6.92540E-02	6.77250E-01	4.69020E-02	9.17030E-02
2.39790E+03	7.11340E-02	6.77190E-01	4.81710E-02	9.41840E-02
2.39800E+03	7.30780E-02	6.77130E-01	4.94830E-02	9.67500E-02
2.39810E+03	7.50830E-02	6.77120E-01	5.08400E-02	9.94020E-02
2.39820E+03	7.71450E-02	6.77110E-01	5.22360E-02	1.02130E-01
2.39830E+03	7.92610E-02	6.77110E-01	5.36680E-02	1.04930E-01
2.39840E+03	8.14290E-02	6.77100E-01	5.51350E-02	1.07800E-01
2.39850E+03	8.36450E-02	6.77100E-01	5.66360E-02	1.10730E-01
2.39860E+03	8.59090E-02	6.77090E-01	5.81680E-02	1.13730E-01
2.39870E+03	8.82230E-02	6.77090E-01	5.97340E-02	1.16790E-01
2.39880E+03	9.05870E-02	6.77080E-01	6.13350E-02	1.19920E-01
2.39890E+03	9.30080E-02	6.77080E-01	6.29730E-02	1.23130E-01
2.39900E+03	9.54890E-02	6.77070E-01	6.46530E-02	1.26410E-01

2.39910E+03	9.80390E-02	6.77070E-01	6.63800E-02	1.29790E-01
2.39920E+03	1.00670E-01	6.77070E-01	6.81580E-02	1.33260E-01
2.39930E+03	1.03380E-01	6.77070E-01	6.99950E-02	1.36850E-01
2.39940E+03	1.06190E-01	6.77070E-01	7.18950E-02	1.40570E-01
2.39950E+03	1.09100E-01	6.77070E-01	7.38660E-02	1.44420E-01
2.39960E+03	1.12120E-01	6.77060E-01	7.59110E-02	1.48420E-01
2.39970E+03	1.15260E-01	6.77020E-01	7.80330E-02	1.52570E-01
2.39980E+03	1.18520E-01	6.76980E-01	8.02380E-02	1.56880E-01
2.39990E+03	1.21910E-01	6.76940E-01	8.25280E-02	1.61360E-01
2.40000E+03	1.25430E-01	6.76920E-01	8.49050E-02	1.66010E-01
2.40010E+03	1.29070E-01	6.76940E-01	8.73720E-02	1.70830E-01
2.40020E+03	1.32830E-01	6.76960E-01	8.99200E-02	1.75810E-01
2.40030E+03	1.36700E-01	6.76990E-01	9.25450E-02	1.80950E-01
2.40040E+03	1.40680E-01	6.77010E-01	9.52410E-02	1.86220E-01
2.40050E+03	1.44750E-01	6.77030E-01	9.80000E-02	1.91610E-01
2.40060E+03	1.48900E-01	6.77060E-01	1.00820E-01	1.97120E-01
2.40070E+03	1.53130E-01	6.77080E-01	1.03680E-01	2.02720E-01
2.40080E+03	1.57420E-01	6.77100E-01	1.06590E-01	2.08400E-01
2.40090E+03	1.61750E-01	6.77120E-01	1.09530E-01	2.14150E-01
2.40100E+03	1.66130E-01	6.77150E-01	1.12500E-01	2.19960E-01
2.40110E+03	1.70550E-01	6.77170E-01	1.15490E-01	2.25810E-01
2.40120E+03	1.74990E-01	6.77200E-01	1.18500E-01	2.31700E-01
2.40130E+03	1.79460E-01	6.77220E-01	1.21540E-01	2.37630E-01
2.40140E+03	1.83970E-01	6.77250E-01	1.24590E-01	2.43600E-01
2.40150E+03	1.88500E-01	6.77270E-01	1.27670E-01	2.49610E-01
2.40160E+03	1.93070E-01	6.77290E-01	1.30770E-01	2.55680E-01
2.40170E+03	1.97690E-01	6.77320E-01	1.33900E-01	2.61800E-01
2.40180E+03	2.02360E-01	6.77340E-01	1.37070E-01	2.68000E-01
2.40190E+03	2.07100E-01	6.77310E-01	1.40270E-01	2.74260E-01
2.40200E+03	2.11920E-01	6.77280E-01	1.43530E-01	2.80630E-01
2.40210E+03	2.16820E-01	6.77230E-01	1.46840E-01	2.87100E-01
2.40220E+03	2.21820E-01	6.77180E-01	1.50210E-01	2.93700E-01
2.40230E+03	2.26920E-01	6.77120E-01	1.53660E-01	3.00430E-01
2.40240E+03	2.32140E-01	6.77070E-01	1.57170E-01	3.07310E-01
2.40250E+03	2.37470E-01	6.77020E-01	1.60770E-01	3.14340E-01
2.40260E+03	2.42920E-01	6.76970E-01	1.64450E-01	3.21530E-01
2.40270E+03	2.48480E-01	6.76920E-01	1.68200E-01	3.28870E-01
2.40280E+03	2.54150E-01	6.76870E-01	1.72030E-01	3.36350E-01
2.40290E+03	2.59930E-01	6.76820E-01	1.75930E-01	3.43970E-01
2.40300E+03	2.65810E-01	6.76770E-01	1.79890E-01	3.51720E-01
2.40310E+03	2.71770E-01	6.76710E-01	1.83910E-01	3.59590E-01
2.40320E+03	2.77810E-01	6.76650E-01	1.87980E-01	3.67550E-01
2.40330E+03	2.83920E-01	6.76590E-01	1.92100E-01	3.75590E-01

2.40340E+03	2.90070E-01	6.76540E-01	1.96240E-01	3.83700E-01
2.40350E+03	2.96270E-01	6.76480E-01	2.00420E-01	3.91860E-01
2.40360E+03	3.02500E-01	6.76420E-01	2.04610E-01	4.00060E-01
2.40370E+03	3.08740E-01	6.76360E-01	2.08820E-01	4.08290E-01
2.40380E+03	3.15000E-01	6.76300E-01	2.13040E-01	4.16530E-01
2.40390E+03	3.21260E-01	6.76250E-01	2.17250E-01	4.24780E-01
2.40400E+03	3.27530E-01	6.76190E-01	2.21470E-01	4.33020E-01
2.40410E+03	3.33790E-01	6.76200E-01	2.25710E-01	4.41310E-01
2.40420E+03	3.40050E-01	6.76200E-01	2.29940E-01	4.49590E-01
2.40430E+03	3.46310E-01	6.76190E-01	2.34180E-01	4.57860E-01
2.40440E+03	3.52570E-01	6.76190E-01	2.38410E-01	4.66140E-01
2.40450E+03	3.58830E-01	6.76190E-01	2.42640E-01	4.74410E-01
2.40460E+03	3.65100E-01	6.76180E-01	2.46870E-01	4.82690E-01
2.40470E+03	3.71370E-01	6.76180E-01	2.51110E-01	4.90980E-01
2.40480E+03	3.77650E-01	6.76170E-01	2.55350E-01	4.99270E-01
2.40490E+03	3.83930E-01	6.76170E-01	2.59600E-01	5.07570E-01
2.40500E+03	3.90220E-01	6.76160E-01	2.63850E-01	5.15890E-01
2.40510E+03	3.96520E-01	6.76190E-01	2.68120E-01	5.24230E-01
2.40520E+03	4.02820E-01	6.76210E-01	2.72390E-01	5.32580E-01
2.40530E+03	4.09110E-01	6.76230E-01	2.76660E-01	5.40920E-01
2.40540E+03	4.15400E-01	6.76250E-01	2.80920E-01	5.49250E-01
2.40550E+03	4.21670E-01	6.76280E-01	2.85170E-01	5.57560E-01
2.40560E+03	4.27920E-01	6.76300E-01	2.89400E-01	5.65850E-01
2.40570E+03	4.34150E-01	6.76320E-01	2.93620E-01	5.74090E-01
2.40580E+03	4.40330E-01	6.76340E-01	2.97810E-01	5.82290E-01
2.40590E+03	4.46470E-01	6.76370E-01	3.01980E-01	5.90420E-01
2.40600E+03	4.52560E-01	6.76400E-01	3.06110E-01	5.98500E-01
2.40610E+03	4.58590E-01	6.76480E-01	3.10230E-01	6.06550E-01
2.40620E+03	4.64560E-01	6.76560E-01	3.14300E-01	6.14530E-01
2.40630E+03	4.70470E-01	6.76680E-01	3.18350E-01	6.22450E-01
2.40640E+03	4.76310E-01	6.76790E-01	3.22360E-01	6.30280E-01
2.40650E+03	4.82080E-01	6.76900E-01	3.26320E-01	6.38030E-01
2.40660E+03	4.87790E-01	6.77010E-01	3.30240E-01	6.45690E-01
2.40670E+03	4.93440E-01	6.77120E-01	3.34120E-01	6.53280E-01
2.40680E+03	4.99030E-01	6.77240E-01	3.37960E-01	6.60780E-01
2.40690E+03	5.04560E-01	6.77350E-01	3.41760E-01	6.68210E-01
2.40700E+03	5.10030E-01	6.77460E-01	3.45530E-01	6.75580E-01
2.40710E+03	5.15450E-01	6.77580E-01	3.49260E-01	6.82880E-01
2.40720E+03	5.20820E-01	6.77700E-01	3.52960E-01	6.90110E-01
2.40730E+03	5.26140E-01	6.77820E-01	3.56630E-01	6.97280E-01
2.40740E+03	5.31410E-01	6.77940E-01	3.60260E-01	7.04390E-01
2.40750E+03	5.36630E-01	6.78050E-01	3.63860E-01	7.11420E-01
2.40760E+03	5.41780E-01	6.78170E-01	3.67420E-01	7.18390E-01

2.40770E+03	5.46880E-01	6.78290E-01	3.70940E-01	7.25270E-01
2.40780E+03	5.51910E-01	6.78410E-01	3.74420E-01	7.32070E-01
2.40790E+03	5.56860E-01	6.78530E-01	3.77850E-01	7.38770E-01
2.40800E+03	5.61730E-01	6.78650E-01	3.81220E-01	7.45360E-01
2.40810E+03	5.66510E-01	6.78780E-01	3.84530E-01	7.51840E-01
2.40820E+03	5.71180E-01	6.78900E-01	3.87780E-01	7.58180E-01
2.40830E+03	5.75750E-01	6.79030E-01	3.90950E-01	7.64380E-01
2.40840E+03	5.80190E-01	6.79150E-01	3.94040E-01	7.70430E-01
2.40850E+03	5.84510E-01	6.79030E-01	3.96900E-01	7.76020E-01
2.40860E+03	5.88700E-01	6.78900E-01	3.99670E-01	7.81440E-01
2.40870E+03	5.92750E-01	6.78780E-01	4.02350E-01	7.86670E-01
2.40880E+03	5.96670E-01	6.78650E-01	4.04930E-01	7.91720E-01
2.40890E+03	6.00440E-01	6.78530E-01	4.07420E-01	7.96590E-01
2.40900E+03	6.04090E-01	6.78410E-01	4.09820E-01	8.01280E-01
2.40910E+03	6.07600E-01	6.78280E-01	4.12120E-01	8.05780E-01
2.40920E+03	6.10980E-01	6.78150E-01	4.14340E-01	8.10120E-01
2.40930E+03	6.14250E-01	6.78030E-01	4.16480E-01	8.14310E-01
2.40940E+03	6.17420E-01	6.77900E-01	4.18550E-01	8.18350E-01
2.40950E+03	6.20480E-01	6.77770E-01	4.20540E-01	8.22250E-01
2.40960E+03	6.23460E-01	6.77650E-01	4.22480E-01	8.26040E-01
2.40970E+03	6.26360E-01	6.77520E-01	4.24370E-01	8.29730E-01
2.40980E+03	6.29190E-01	6.77400E-01	4.26210E-01	8.33330E-01
2.40990E+03	6.31970E-01	6.77270E-01	4.28020E-01	8.36860E-01
2.41000E+03	6.34710E-01	6.77140E-01	4.29780E-01	8.40320E-01
2.41010E+03	6.37400E-01	6.76970E-01	4.31500E-01	8.43680E-01
2.41020E+03	6.40050E-01	6.76810E-01	4.33190E-01	8.46980E-01
2.41030E+03	6.42670E-01	6.76650E-01	4.34860E-01	8.50250E-01
2.41040E+03	6.45260E-01	6.76480E-01	4.36510E-01	8.53470E-01
2.41050E+03	6.47820E-01	6.76320E-01	4.38130E-01	8.56640E-01
2.41060E+03	6.50340E-01	6.76150E-01	4.39730E-01	8.59760E-01
2.41070E+03	6.52820E-01	6.76000E-01	4.41310E-01	8.62850E-01
2.41080E+03	6.55250E-01	6.75850E-01	4.42850E-01	8.65870E-01
2.41090E+03	6.57630E-01	6.75700E-01	4.44360E-01	8.68820E-01
2.41100E+03	6.59950E-01	6.75550E-01	4.45830E-01	8.71690E-01
2.41110E+03	6.62210E-01	6.75400E-01	4.47250E-01	8.74470E-01
2.41120E+03	6.64390E-01	6.75240E-01	4.48620E-01	8.77150E-01
2.41130E+03	6.66490E-01	6.75090E-01	4.49940E-01	8.79730E-01
2.41140E+03	6.68520E-01	6.74930E-01	4.51200E-01	8.82200E-01
2.41150E+03	6.70460E-01	6.74780E-01	4.52410E-01	8.84560E-01
2.41160E+03	6.72320E-01	6.74620E-01	4.53560E-01	8.86800E-01
2.41170E+03	6.74090E-01	6.74470E-01	4.54650E-01	8.88950E-01
2.41180E+03	6.75790E-01	6.74310E-01	4.55700E-01	8.90980E-01
2.41190E+03	6.77430E-01	6.74160E-01	4.56690E-01	8.92930E-01

2.41200E+03	6.79000E-01	6.74010E-01	4.57650E-01	8.94800E-01
2.41210E+03	6.80510E-01	6.73830E-01	4.58550E-01	8.96560E-01
2.41220E+03	6.81990E-01	6.73650E-01	4.59430E-01	8.98270E-01
2.41230E+03	6.83440E-01	6.73470E-01	4.60280E-01	8.99940E-01
2.41240E+03	6.84870E-01	6.73300E-01	4.61120E-01	9.01580E-01
2.41250E+03	6.86290E-01	6.73120E-01	4.61950E-01	9.03210E-01
2.41260E+03	6.87710E-01	6.72940E-01	4.62780E-01	9.04840E-01
2.41270E+03	6.89130E-01	6.72760E-01	4.63620E-01	9.06480E-01
2.41280E+03	6.90580E-01	6.72580E-01	4.64470E-01	9.08140E-01
2.41290E+03	6.92040E-01	6.72450E-01	4.65360E-01	9.09880E-01
2.41300E+03	6.93520E-01	6.72320E-01	4.66260E-01	9.11640E-01
2.41310E+03	6.95020E-01	6.72180E-01	4.67180E-01	9.13440E-01
2.41320E+03	6.96530E-01	6.72050E-01	4.68110E-01	9.15250E-01
2.41330E+03	6.98060E-01	6.71920E-01	4.69040E-01	9.17080E-01
2.41340E+03	6.99590E-01	6.71790E-01	4.69980E-01	9.18910E-01
2.41350E+03	7.01120E-01	6.71660E-01	4.70910E-01	9.20730E-01
2.41360E+03	7.02640E-01	6.71520E-01	4.71840E-01	9.22540E-01
2.41370E+03	7.04130E-01	6.71390E-01	4.72750E-01	9.24330E-01
2.41380E+03	7.05600E-01	6.71260E-01	4.73640E-01	9.26070E-01
2.41390E+03	7.07030E-01	6.71140E-01	4.74520E-01	9.27790E-01
2.41400E+03	7.08420E-01	6.71040E-01	4.75380E-01	9.29470E-01
2.41410E+03	7.09770E-01	6.70910E-01	4.76200E-01	9.31060E-01
2.41420E+03	7.11080E-01	6.70790E-01	4.76980E-01	9.32600E-01
2.41430E+03	7.12330E-01	6.70670E-01	4.77740E-01	9.34080E-01
2.41440E+03	7.13550E-01	6.70540E-01	4.78460E-01	9.35500E-01
2.41450E+03	7.14730E-01	6.70420E-01	4.79170E-01	9.36870E-01
2.41460E+03	7.15890E-01	6.70290E-01	4.79850E-01	9.38210E-01
2.41470E+03	7.17020E-01	6.70170E-01	4.80520E-01	9.39530E-01
2.41480E+03	7.18150E-01	6.70040E-01	4.81190E-01	9.40830E-01
2.41490E+03	7.19280E-01	6.69920E-01	4.81860E-01	9.42130E-01
2.41500E+03	7.20420E-01	6.69800E-01	4.82530E-01	9.43450E-01
2.41510E+03	7.21580E-01	6.69760E-01	4.83290E-01	9.44920E-01
2.41520E+03	7.22770E-01	6.69720E-01	4.84060E-01	9.46430E-01
2.41530E+03	7.24000E-01	6.69690E-01	4.84850E-01	9.47990E-01
2.41540E+03	7.25270E-01	6.69650E-01	4.85680E-01	9.49600E-01
2.41550E+03	7.26580E-01	6.69610E-01	4.86520E-01	9.51260E-01
2.41560E+03	7.27920E-01	6.69580E-01	4.87400E-01	9.52970E-01
2.41570E+03	7.29310E-01	6.69540E-01	4.88300E-01	9.54730E-01
2.41580E+03	7.30720E-01	6.69500E-01	4.89220E-01	9.56530E-01
2.41590E+03	7.32160E-01	6.69470E-01	4.90150E-01	9.58350E-01
2.41600E+03	7.33600E-01	6.69460E-01	4.91120E-01	9.60230E-01
2.41610E+03	7.35050E-01	6.69570E-01	4.92170E-01	9.62290E-01
2.41620E+03	7.36490E-01	6.69680E-01	4.93210E-01	9.64330E-01

2.41630E+03	7.37900E-01	6.69790E-01	4.94240E-01	9.66340E-01
2.41640E+03	7.39290E-01	6.69900E-01	4.95240E-01	9.68310E-01
2.41650E+03	7.40630E-01	6.70000E-01	4.96230E-01	9.70230E-01
2.41660E+03	7.41930E-01	6.70110E-01	4.97180E-01	9.72080E-01
2.41670E+03	7.43170E-01	6.70220E-01	4.98090E-01	9.73870E-01
2.41680E+03	7.44360E-01	6.70330E-01	4.98970E-01	9.75590E-01
2.41690E+03	7.45490E-01	6.70440E-01	4.99810E-01	9.77230E-01
2.41700E+03	7.46570E-01	6.70550E-01	5.00610E-01	9.78800E-01
2.41710E+03	7.47600E-01	6.70650E-01	5.01380E-01	9.80290E-01
2.41720E+03	7.48570E-01	6.70750E-01	5.02110E-01	9.81720E-01
2.41730E+03	7.49510E-01	6.70870E-01	5.02820E-01	9.83120E-01
2.41740E+03	7.50410E-01	6.70980E-01	5.03510E-01	9.84460E-01
2.41750E+03	7.51270E-01	6.71100E-01	5.04180E-01	9.85770E-01
2.41760E+03	7.52110E-01	6.71210E-01	5.04830E-01	9.87040E-01
2.41770E+03	7.52930E-01	6.71330E-01	5.05460E-01	9.88280E-01
2.41780E+03	7.53720E-01	6.71440E-01	5.06080E-01	9.89490E-01
2.41790E+03	7.54490E-01	6.71560E-01	5.06680E-01	9.90670E-01
2.41800E+03	7.55240E-01	6.71670E-01	5.07270E-01	9.91820E-01
2.41810E+03	7.55960E-01	6.71750E-01	5.07820E-01	9.92890E-01
2.41820E+03	7.56650E-01	6.71820E-01	5.08330E-01	9.93890E-01
2.41830E+03	7.57290E-01	6.71880E-01	5.08810E-01	9.94830E-01
2.41840E+03	7.57890E-01	6.71950E-01	5.09270E-01	9.95720E-01
2.41850E+03	7.58440E-01	6.72020E-01	5.09690E-01	9.96540E-01
2.41860E+03	7.58930E-01	6.72080E-01	5.10070E-01	9.97290E-01
2.41870E+03	7.59360E-01	6.72150E-01	5.10400E-01	9.97940E-01
2.41880E+03	7.59710E-01	6.72220E-01	5.10690E-01	9.98510E-01
2.41890E+03	7.59990E-01	6.72280E-01	5.10930E-01	9.98970E-01
2.41900E+03	7.60200E-01	6.72350E-01	5.11120E-01	9.99350E-01
2.41910E+03	7.60350E-01	6.72410E-01	5.11260E-01	9.99630E-01
2.41920E+03	7.60420E-01	6.72470E-01	5.11360E-01	9.99820E-01
2.41930E+03	7.60450E-01	6.72530E-01	5.11420E-01	9.99940E-01
2.41940E+03	7.60420E-01	6.72590E-01	5.11450E-01	1.00000E+00
2.41950E+03	7.60360E-01	6.72600E-01	5.11420E-01	9.99930E-01
2.41960E+03	7.60280E-01	6.72600E-01	5.11360E-01	9.99820E-01
2.41970E+03	7.60180E-01	6.72610E-01	5.11300E-01	9.99700E-01
2.41980E+03	7.60080E-01	6.72610E-01	5.11230E-01	9.99570E-01
2.41990E+03	7.59980E-01	6.72610E-01	5.11170E-01	9.99450E-01
2.42000E+03	7.59900E-01	6.72620E-01	5.11130E-01	9.99360E-01
2.42010E+03	7.59850E-01	6.72530E-01	5.11020E-01	9.99150E-01
2.42020E+03	7.59810E-01	6.72420E-01	5.10910E-01	9.98930E-01
2.42030E+03	7.59790E-01	6.72310E-01	5.10810E-01	9.98740E-01
2.42040E+03	7.59780E-01	6.72200E-01	5.10720E-01	9.98570E-01
2.42050E+03	7.59780E-01	6.72090E-01	5.10640E-01	9.98410E-01

2.42060E+03	7.59780E-01	6.71980E-01	5.10550E-01	9.98240E-01
2.42070E+03	7.59750E-01	6.71870E-01	5.10450E-01	9.98040E-01
2.42080E+03	7.59690E-01	6.71750E-01	5.10330E-01	9.97790E-01
2.42090E+03	7.59580E-01	6.71640E-01	5.10170E-01	9.97480E-01
2.42100E+03	7.59400E-01	6.71530E-01	5.09960E-01	9.97080E-01
2.42110E+03	7.59130E-01	6.71420E-01	5.09700E-01	9.96570E-01
2.42120E+03	7.58770E-01	6.71310E-01	5.09370E-01	9.95930E-01
2.42130E+03	7.58300E-01	6.71200E-01	5.08970E-01	9.95140E-01
2.42140E+03	7.57710E-01	6.71090E-01	5.08490E-01	9.94200E-01
2.42150E+03	7.57000E-01	6.70980E-01	5.07930E-01	9.93100E-01
2.42160E+03	7.56160E-01	6.70870E-01	5.07280E-01	9.91840E-01
2.42170E+03	7.55200E-01	6.70770E-01	5.06560E-01	9.90440E-01
2.42180E+03	7.54120E-01	6.70670E-01	5.05770E-01	9.88880E-01
2.42190E+03	7.52940E-01	6.70570E-01	5.04900E-01	9.87180E-01
2.42200E+03	7.51660E-01	6.70470E-01	5.03960E-01	9.85350E-01
2.42210E+03	7.50290E-01	6.70420E-01	5.03010E-01	9.83480E-01
2.42220E+03	7.48850E-01	6.70370E-01	5.02000E-01	9.81520E-01
2.42230E+03	7.47360E-01	6.70320E-01	5.00960E-01	9.79490E-01
2.42240E+03	7.45820E-01	6.70270E-01	4.99900E-01	9.77400E-01
2.42250E+03	7.44240E-01	6.70220E-01	4.98800E-01	9.75270E-01
2.42260E+03	7.42650E-01	6.70170E-01	4.97700E-01	9.73110E-01
2.42270E+03	7.41040E-01	6.70120E-01	4.96580E-01	9.70920E-01
2.42280E+03	7.39420E-01	6.70070E-01	4.95460E-01	9.68730E-01
2.42290E+03	7.37790E-01	6.70030E-01	4.94340E-01	9.66530E-01
2.42300E+03	7.36150E-01	6.69970E-01	4.93200E-01	9.64300E-01
2.42310E+03	7.34490E-01	6.69920E-01	4.92050E-01	9.62050E-01
2.42320E+03	7.32810E-01	6.69870E-01	4.90880E-01	9.59770E-01
2.42330E+03	7.31090E-01	6.69810E-01	4.89700E-01	9.57460E-01
2.42340E+03	7.29350E-01	6.69760E-01	4.88490E-01	9.55090E-01
2.42350E+03	7.27550E-01	6.69710E-01	4.87240E-01	9.52660E-01
2.42360E+03	7.25700E-01	6.69650E-01	4.85960E-01	9.50160E-01
2.42370E+03	7.23780E-01	6.69600E-01	4.84640E-01	9.47570E-01
2.42380E+03	7.21790E-01	6.69550E-01	4.83270E-01	9.44900E-01
2.42390E+03	7.19730E-01	6.69410E-01	4.81790E-01	9.42000E-01
2.42400E+03	7.17590E-01	6.69270E-01	4.80260E-01	9.39010E-01
2.42410E+03	7.15370E-01	6.69210E-01	4.78730E-01	9.36020E-01
2.42420E+03	7.13070E-01	6.69160E-01	4.77160E-01	9.32940E-01
2.42430E+03	7.10710E-01	6.69100E-01	4.75530E-01	9.29770E-01
2.42440E+03	7.08280E-01	6.69050E-01	4.73870E-01	9.26510E-01
2.42450E+03	7.05780E-01	6.68990E-01	4.72160E-01	9.23170E-01
2.42460E+03	7.03230E-01	6.68930E-01	4.70420E-01	9.19760E-01
2.42470E+03	7.00640E-01	6.68880E-01	4.68640E-01	9.16290E-01
2.42480E+03	6.98000E-01	6.68820E-01	4.66840E-01	9.12760E-01

2.42490E+03	6.95320E-01	6.68770E-01	4.65010E-01	9.09190E-01
2.42500E+03	6.92610E-01	6.68710E-01	4.63160E-01	9.05570E-01
2.42510E+03	6.89870E-01	6.68670E-01	4.61290E-01	9.01920E-01
2.42520E+03	6.87090E-01	6.68620E-01	4.59400E-01	8.98220E-01
2.42530E+03	6.84280E-01	6.68570E-01	4.57490E-01	8.94490E-01
2.42540E+03	6.81430E-01	6.68520E-01	4.55550E-01	8.90700E-01
2.42550E+03	6.78550E-01	6.68470E-01	4.53590E-01	8.86870E-01
2.42560E+03	6.75610E-01	6.68430E-01	4.51600E-01	8.82970E-01
2.42570E+03	6.72630E-01	6.68380E-01	4.49570E-01	8.79000E-01
2.42580E+03	6.69580E-01	6.68330E-01	4.47500E-01	8.74960E-01
2.42590E+03	6.66480E-01	6.68280E-01	4.45400E-01	8.70840E-01
2.42600E+03	6.63310E-01	6.68230E-01	4.43250E-01	8.66640E-01
2.42610E+03	6.60080E-01	6.68240E-01	4.41090E-01	8.62430E-01
2.42620E+03	6.56780E-01	6.68250E-01	4.38890E-01	8.58130E-01
2.42630E+03	6.53420E-01	6.68260E-01	4.36650E-01	8.53740E-01
2.42640E+03	6.49990E-01	6.68260E-01	4.34360E-01	8.49270E-01
2.42650E+03	6.46510E-01	6.68270E-01	4.32040E-01	8.44730E-01
2.42660E+03	6.42970E-01	6.68280E-01	4.29680E-01	8.40120E-01
2.42670E+03	6.39390E-01	6.68290E-01	4.27300E-01	8.35460E-01
2.42680E+03	6.35780E-01	6.68290E-01	4.24890E-01	8.30740E-01
2.42690E+03	6.32130E-01	6.68300E-01	4.22450E-01	8.25990E-01
2.42700E+03	6.28460E-01	6.68310E-01	4.20000E-01	8.21200E-01
2.42710E+03	6.24770E-01	6.68310E-01	4.17540E-01	8.16380E-01
2.42720E+03	6.21060E-01	6.68310E-01	4.15060E-01	8.11540E-01
2.42730E+03	6.17340E-01	6.68320E-01	4.12580E-01	8.06680E-01
2.42740E+03	6.13610E-01	6.68320E-01	4.10080E-01	8.01800E-01
2.42750E+03	6.09850E-01	6.68320E-01	4.07580E-01	7.96900E-01
2.42760E+03	6.06080E-01	6.68330E-01	4.05060E-01	7.91970E-01
2.42770E+03	6.02280E-01	6.68330E-01	4.02520E-01	7.87010E-01
2.42780E+03	5.98450E-01	6.68330E-01	3.99960E-01	7.82010E-01
2.42790E+03	5.94580E-01	6.68340E-01	3.97380E-01	7.76960E-01
2.42800E+03	5.90660E-01	6.68340E-01	3.94760E-01	7.71850E-01
2.42810E+03	5.86700E-01	6.68320E-01	3.92110E-01	7.66650E-01
2.42820E+03	5.82680E-01	6.68310E-01	3.89410E-01	7.61380E-01
2.42830E+03	5.78600E-01	6.68370E-01	3.86720E-01	7.56120E-01
2.42840E+03	5.74470E-01	6.68430E-01	3.83990E-01	7.50780E-01
2.42850E+03	5.70270E-01	6.68490E-01	3.81220E-01	7.45360E-01
2.42860E+03	5.66020E-01	6.68550E-01	3.78410E-01	7.39870E-01
2.42870E+03	5.61720E-01	6.68610E-01	3.75570E-01	7.34320E-01
2.42880E+03	5.57370E-01	6.68670E-01	3.72700E-01	7.28710E-01
2.42890E+03	5.52990E-01	6.68730E-01	3.69810E-01	7.23050E-01
2.42900E+03	5.48590E-01	6.68790E-01	3.66890E-01	7.17350E-01
2.42910E+03	5.44170E-01	6.68860E-01	3.63970E-01	7.11650E-01

2.42920E+03	5.39750E-01	6.68920E-01	3.61050E-01	7.05930E-01
2.42930E+03	5.35330E-01	6.68990E-01	3.58130E-01	7.00220E-01
2.42940E+03	5.30920E-01	6.69050E-01	3.55210E-01	6.94520E-01
2.42950E+03	5.26530E-01	6.69110E-01	3.52310E-01	6.88840E-01
2.42960E+03	5.22160E-01	6.69180E-01	3.49420E-01	6.83180E-01
2.42970E+03	5.17800E-01	6.69240E-01	3.46530E-01	6.77550E-01
2.42980E+03	5.13460E-01	6.69300E-01	3.43660E-01	6.71930E-01
2.42990E+03	5.09140E-01	6.69370E-01	3.40800E-01	6.66340E-01
2.43000E+03	5.04820E-01	6.69430E-01	3.37940E-01	6.60750E-01
2.43010E+03	5.00500E-01	6.69450E-01	3.35060E-01	6.55110E-01
2.43020E+03	4.96160E-01	6.69470E-01	3.32160E-01	6.49450E-01
2.43030E+03	4.91800E-01	6.69480E-01	3.29250E-01	6.43750E-01
2.43040E+03	4.87410E-01	6.69490E-01	3.26310E-01	6.38010E-01
2.43050E+03	4.82980E-01	6.69430E-01	3.23320E-01	6.32160E-01
2.43060E+03	4.78500E-01	6.69380E-01	3.20300E-01	6.26240E-01
2.43070E+03	4.73960E-01	6.69330E-01	3.17230E-01	6.20260E-01
2.43080E+03	4.69370E-01	6.69270E-01	3.14130E-01	6.14200E-01
2.43090E+03	4.64720E-01	6.69220E-01	3.11000E-01	6.08060E-01
2.43100E+03	4.60010E-01	6.69160E-01	3.07830E-01	6.01860E-01
2.43110E+03	4.55260E-01	6.69110E-01	3.04620E-01	5.95600E-01
2.43120E+03	4.50470E-01	6.69060E-01	3.01390E-01	5.89280E-01
2.43130E+03	4.45640E-01	6.69010E-01	2.98140E-01	5.82930E-01
2.43140E+03	4.40800E-01	6.68960E-01	2.94880E-01	5.76550E-01
2.43150E+03	4.35940E-01	6.68920E-01	2.91610E-01	5.70150E-01
2.43160E+03	4.31090E-01	6.68870E-01	2.88340E-01	5.63760E-01
2.43170E+03	4.26250E-01	6.68820E-01	2.85080E-01	5.57390E-01
2.43180E+03	4.21430E-01	6.68770E-01	2.81840E-01	5.51050E-01
2.43190E+03	4.16640E-01	6.68720E-01	2.78610E-01	5.44740E-01
2.43200E+03	4.11880E-01	6.68670E-01	2.75410E-01	5.38490E-01
2.43210E+03	4.07160E-01	6.68630E-01	2.72240E-01	5.32280E-01
2.43220E+03	4.02480E-01	6.68580E-01	2.69090E-01	5.26130E-01
2.43230E+03	3.97830E-01	6.68540E-01	2.65970E-01	5.20020E-01
2.43240E+03	3.93210E-01	6.68500E-01	2.62860E-01	5.13950E-01
2.43250E+03	3.88610E-01	6.68460E-01	2.59770E-01	5.07900E-01
2.43260E+03	3.84020E-01	6.68420E-01	2.56690E-01	5.01880E-01
2.43270E+03	3.79440E-01	6.68410E-01	2.53620E-01	4.95880E-01
2.43280E+03	3.74850E-01	6.68400E-01	2.50550E-01	4.89880E-01
2.43290E+03	3.70250E-01	6.68390E-01	2.47470E-01	4.83860E-01
2.43300E+03	3.65630E-01	6.68380E-01	2.44380E-01	4.77810E-01
2.43310E+03	3.60980E-01	6.68380E-01	2.41270E-01	4.71740E-01
2.43320E+03	3.56310E-01	6.68370E-01	2.38140E-01	4.65620E-01
2.43330E+03	3.51600E-01	6.68360E-01	2.35000E-01	4.59470E-01
2.43340E+03	3.46880E-01	6.68350E-01	2.31840E-01	4.53290E-01

2.43350E+03	3.42130E-01	6.68340E-01	2.28660E-01	4.47080E-01
2.43360E+03	3.37360E-01	6.68340E-01	2.25470E-01	4.40850E-01
2.43370E+03	3.32590E-01	6.68330E-01	2.22280E-01	4.34610E-01
2.43380E+03	3.27830E-01	6.68320E-01	2.19100E-01	4.28380E-01
2.43390E+03	3.23080E-01	6.68310E-01	2.15920E-01	4.22170E-01
2.43400E+03	3.18360E-01	6.68310E-01	2.12770E-01	4.16000E-01
2.43410E+03	3.13680E-01	6.68360E-01	2.09650E-01	4.09920E-01
2.43420E+03	3.09050E-01	6.68420E-01	2.06570E-01	4.03890E-01
2.43430E+03	3.04470E-01	6.68470E-01	2.03530E-01	3.97940E-01
2.43440E+03	2.99960E-01	6.68520E-01	2.00530E-01	3.92070E-01
2.43450E+03	2.95510E-01	6.68570E-01	1.97570E-01	3.86290E-01
2.43460E+03	2.91130E-01	6.68620E-01	1.94660E-01	3.80590E-01
2.43470E+03	2.86820E-01	6.68670E-01	1.91790E-01	3.74990E-01
2.43480E+03	2.82580E-01	6.68720E-01	1.88960E-01	3.69460E-01
2.43490E+03	2.78390E-01	6.68800E-01	1.86190E-01	3.64030E-01
2.43500E+03	2.74260E-01	6.68880E-01	1.83450E-01	3.58670E-01
2.43510E+03	2.70180E-01	6.68990E-01	1.80750E-01	3.53390E-01
2.43520E+03	2.66130E-01	6.69100E-01	1.78070E-01	3.48160E-01
2.43530E+03	2.62120E-01	6.69210E-01	1.75420E-01	3.42970E-01
2.43540E+03	2.58140E-01	6.69320E-01	1.72780E-01	3.37820E-01
2.43550E+03	2.54170E-01	6.69430E-01	1.70150E-01	3.32680E-01
2.43560E+03	2.50220E-01	6.69540E-01	1.67530E-01	3.27570E-01
2.43570E+03	2.46280E-01	6.69660E-01	1.64920E-01	3.22460E-01
2.43580E+03	2.42350E-01	6.69770E-01	1.62320E-01	3.17370E-01
2.43590E+03	2.38430E-01	6.69880E-01	1.59720E-01	3.12290E-01
2.43600E+03	2.34520E-01	6.69980E-01	1.57120E-01	3.07210E-01
2.43610E+03	2.30620E-01	6.70020E-01	1.54520E-01	3.02120E-01
2.43620E+03	2.26740E-01	6.70050E-01	1.51930E-01	2.97060E-01
2.43630E+03	2.22880E-01	6.70090E-01	1.49350E-01	2.92020E-01
2.43640E+03	2.19050E-01	6.70130E-01	1.46790E-01	2.87010E-01
2.43650E+03	2.15250E-01	6.70160E-01	1.44250E-01	2.82040E-01
2.43660E+03	2.11480E-01	6.70200E-01	1.41730E-01	2.77120E-01
2.43670E+03	2.07750E-01	6.70230E-01	1.39240E-01	2.72240E-01
2.43680E+03	2.04050E-01	6.70270E-01	1.36770E-01	2.67420E-01
2.43690E+03	2.00410E-01	6.70310E-01	1.34330E-01	2.62650E-01
2.43700E+03	1.96800E-01	6.70340E-01	1.31920E-01	2.57940E-01
2.43710E+03	1.93240E-01	6.70220E-01	1.29510E-01	2.53220E-01
2.43720E+03	1.89720E-01	6.70100E-01	1.27130E-01	2.48570E-01
2.43730E+03	1.86240E-01	6.69970E-01	1.24780E-01	2.43960E-01
2.43740E+03	1.82800E-01	6.69850E-01	1.22450E-01	2.39410E-01
2.43750E+03	1.79400E-01	6.69730E-01	1.20150E-01	2.34920E-01
2.43760E+03	1.76030E-01	6.69610E-01	1.17870E-01	2.30470E-01
2.43770E+03	1.72700E-01	6.69490E-01	1.15620E-01	2.26060E-01

2.43780E+03	1.69400E-01	6.69360E-01	1.13390E-01	2.21710E-01
2.43790E+03	1.66140E-01	6.69240E-01	1.11190E-01	2.17400E-01
2.43800E+03	1.62910E-01	6.69120E-01	1.09010E-01	2.13130E-01
2.43810E+03	1.59710E-01	6.69010E-01	1.06850E-01	2.08910E-01
2.43820E+03	1.56550E-01	6.68900E-01	1.04720E-01	2.04750E-01
2.43830E+03	1.53430E-01	6.68810E-01	1.02620E-01	2.00640E-01
2.43840E+03	1.50350E-01	6.68730E-01	1.00540E-01	1.96580E-01
2.43850E+03	1.47310E-01	6.68640E-01	9.84950E-02	1.92580E-01
2.43860E+03	1.44310E-01	6.68550E-01	9.64780E-02	1.88630E-01
2.43870E+03	1.41360E-01	6.68460E-01	9.44910E-02	1.84750E-01
2.43880E+03	1.38450E-01	6.68370E-01	9.25360E-02	1.80930E-01
2.43890E+03	1.35590E-01	6.68280E-01	9.06130E-02	1.77170E-01
2.43900E+03	1.32780E-01	6.68190E-01	8.87200E-02	1.73470E-01
2.43910E+03	1.30010E-01	6.68100E-01	8.68580E-02	1.69830E-01
2.43920E+03	1.27280E-01	6.68010E-01	8.50260E-02	1.66240E-01
2.43930E+03	1.24600E-01	6.67990E-01	8.32290E-02	1.62730E-01
2.43940E+03	1.21950E-01	6.67960E-01	8.14580E-02	1.59270E-01
2.43950E+03	1.19340E-01	6.67940E-01	7.97110E-02	1.55850E-01
2.43960E+03	1.16760E-01	6.67910E-01	7.79860E-02	1.52480E-01
2.43970E+03	1.14220E-01	6.67890E-01	7.62830E-02	1.49150E-01
2.43980E+03	1.11700E-01	6.67860E-01	7.45990E-02	1.45860E-01
2.43990E+03	1.09210E-01	6.67840E-01	7.29350E-02	1.42600E-01
2.44000E+03	1.06750E-01	6.67820E-01	7.12900E-02	1.39390E-01
2.44010E+03	1.04320E-01	6.67820E-01	6.96690E-02	1.36220E-01
2.44020E+03	1.01930E-01	6.67830E-01	6.80690E-02	1.33090E-01
2.44030E+03	9.95640E-02	6.67830E-01	6.64910E-02	1.30000E-01
2.44040E+03	9.72400E-02	6.67830E-01	6.49400E-02	1.26970E-01
2.44050E+03	9.49570E-02	6.67830E-01	6.34150E-02	1.23990E-01
2.44060E+03	9.27190E-02	6.67840E-01	6.19210E-02	1.21070E-01
2.44070E+03	9.05300E-02	6.67840E-01	6.04600E-02	1.18210E-01
2.44080E+03	8.83930E-02	6.67840E-01	5.90330E-02	1.15420E-01
2.44090E+03	8.63100E-02	6.67840E-01	5.76420E-02	1.12700E-01
2.44100E+03	8.42830E-02	6.67850E-01	5.62880E-02	1.10060E-01
2.44110E+03	8.23130E-02	6.67850E-01	5.49720E-02	1.07480E-01
2.44120E+03	8.03980E-02	6.67850E-01	5.36930E-02	1.04980E-01
2.44130E+03	7.85370E-02	6.67850E-01	5.24510E-02	1.02550E-01
2.44140E+03	7.67280E-02	6.67850E-01	5.12430E-02	1.00190E-01
2.44150E+03	7.49670E-02	6.67940E-01	5.00740E-02	9.79050E-02
2.44160E+03	7.32510E-02	6.68040E-01	4.89340E-02	9.56770E-02
2.44170E+03	7.15750E-02	6.68130E-01	4.78210E-02	9.35010E-02
2.44180E+03	6.99350E-02	6.68230E-01	4.67320E-02	9.13710E-02
2.44190E+03	6.83270E-02	6.68320E-01	4.56640E-02	8.92830E-02
2.44200E+03	6.67490E-02	6.68410E-01	4.46160E-02	8.72330E-02

2.44210E+03	6.51980E-02	6.68530E-01	4.35870E-02	8.52220E-02
2.44220E+03	6.36740E-02	6.68650E-01	4.25760E-02	8.32450E-02
2.44230E+03	6.21780E-02	6.68770E-01	4.15820E-02	8.13020E-02
2.44240E+03	6.07100E-02	6.68890E-01	4.06080E-02	7.93970E-02
2.44250E+03	5.92740E-02	6.69000E-01	3.96540E-02	7.75320E-02
2.44260E+03	5.78730E-02	6.69120E-01	3.87240E-02	7.57140E-02
2.44270E+03	5.65120E-02	6.69240E-01	3.78200E-02	7.39470E-02
2.44280E+03	5.51970E-02	6.69360E-01	3.69460E-02	7.22380E-02
2.44290E+03	5.39300E-02	6.69480E-01	3.61050E-02	7.05930E-02
2.44300E+03	5.27180E-02	6.69590E-01	3.53000E-02	6.90180E-02
2.44310E+03	5.15640E-02	6.69710E-01	3.45330E-02	6.75180E-02
2.44320E+03	5.04690E-02	6.69820E-01	3.38050E-02	6.60960E-02
2.44330E+03	4.94350E-02	6.69930E-01	3.31180E-02	6.47530E-02
2.44340E+03	4.84600E-02	6.70050E-01	3.24710E-02	6.34870E-02
2.44350E+03	4.75420E-02	6.70160E-01	3.18610E-02	6.22950E-02
2.44360E+03	4.66760E-02	6.70270E-01	3.12860E-02	6.11700E-02
2.44370E+03	4.58550E-02	6.70390E-01	3.07410E-02	6.01040E-02
2.44380E+03	4.50720E-02	6.70500E-01	3.02200E-02	5.90870E-02
2.44390E+03	4.43160E-02	6.70610E-01	2.97190E-02	5.81060E-02
2.44400E+03	4.35790E-02	6.70710E-01	2.92290E-02	5.71490E-02
2.44410E+03	4.28510E-02	6.70780E-01	2.87430E-02	5.61990E-02
2.44420E+03	4.21210E-02	6.70840E-01	2.82560E-02	5.52470E-02
2.44430E+03	4.13800E-02	6.70910E-01	2.77620E-02	5.42810E-02
2.44440E+03	4.06220E-02	6.70980E-01	2.72570E-02	5.32920E-02
2.44450E+03	3.98400E-02	6.71040E-01	2.67350E-02	5.22720E-02
2.44460E+03	3.90310E-02	6.71110E-01	2.61940E-02	5.12150E-02
2.44470E+03	3.81930E-02	6.71180E-01	2.56340E-02	5.01200E-02
2.44480E+03	3.73260E-02	6.71240E-01	2.50540E-02	4.89870E-02
2.44490E+03	3.64330E-02	6.71310E-01	2.44580E-02	4.78200E-02
2.44500E+03	3.55190E-02	6.71380E-01	2.38470E-02	4.66250E-02
2.44510E+03	3.45910E-02	6.71370E-01	2.32230E-02	4.54060E-02
2.44520E+03	3.36560E-02	6.71370E-01	2.25960E-02	4.41790E-02
2.44530E+03	3.27240E-02	6.71370E-01	2.19700E-02	4.29550E-02
2.44540E+03	3.18020E-02	6.71370E-01	2.13510E-02	4.17460E-02
2.44550E+03	3.09000E-02	6.71360E-01	2.07450E-02	4.05620E-02
2.44560E+03	3.00260E-02	6.71360E-01	2.01580E-02	3.94130E-02
2.44570E+03	2.91850E-02	6.71360E-01	1.95940E-02	3.83100E-02
2.44580E+03	2.83830E-02	6.71360E-01	1.90550E-02	3.72560E-02
2.44590E+03	2.76220E-02	6.71220E-01	1.85400E-02	3.62500E-02
2.44600E+03	2.69020E-02	6.71090E-01	1.80540E-02	3.52990E-02
2.44610E+03	2.62240E-02	6.70900E-01	1.75940E-02	3.43990E-02
2.44620E+03	2.55820E-02	6.70710E-01	1.71580E-02	3.35480E-02
2.44630E+03	2.49730E-02	6.70520E-01	1.67450E-02	3.27400E-02

2.44640E+03	2.43890E-02	6.70330E-01	1.63490E-02	3.19650E-02
2.44650E+03	2.38230E-02	6.70130E-01	1.59650E-02	3.12140E-02
2.44660E+03	2.32670E-02	6.69940E-01	1.55880E-02	3.04770E-02
2.44670E+03	2.27130E-02	6.69750E-01	1.52120E-02	2.97430E-02
2.44680E+03	2.21540E-02	6.69560E-01	1.48330E-02	2.90020E-02
2.44690E+03	2.15820E-02	6.69370E-01	1.44470E-02	2.82460E-02
2.44700E+03	2.09940E-02	6.69170E-01	1.40490E-02	2.74680E-02
2.44710E+03	2.03860E-02	6.68990E-01	1.36380E-02	2.66650E-02
2.44720E+03	1.97560E-02	6.68800E-01	1.32130E-02	2.58340E-02
2.44730E+03	1.91060E-02	6.68610E-01	1.27750E-02	2.49770E-02
2.44740E+03	1.84390E-02	6.68430E-01	1.23250E-02	2.40980E-02
2.44750E+03	1.77590E-02	6.68240E-01	1.18670E-02	2.32020E-02
2.44760E+03	1.70720E-02	6.68050E-01	1.14050E-02	2.22990E-02
2.44770E+03	1.63870E-02	6.67870E-01	1.09440E-02	2.13990E-02
2.44780E+03	1.57130E-02	6.67680E-01	1.04910E-02	2.05120E-02
2.44790E+03	1.50580E-02	6.67490E-01	1.00510E-02	1.96520E-02
2.44800E+03	1.44320E-02	6.67320E-01	9.63080E-03	1.88300E-02
2.44810E+03	1.38440E-02	6.67280E-01	9.23780E-03	1.80620E-02
2.44820E+03	1.33010E-02	6.67240E-01	8.87490E-03	1.73520E-02
2.44830E+03	1.28100E-02	6.67200E-01	8.54690E-03	1.67110E-02
2.44840E+03	1.23770E-02	6.67160E-01	8.25710E-03	1.61440E-02
2.44850E+03	1.20040E-02	6.67120E-01	8.00770E-03	1.56570E-02
2.44860E+03	1.16930E-02	6.67080E-01	7.79980E-03	1.52500E-02
2.44870E+03	1.14430E-02	6.67030E-01	7.63310E-03	1.49240E-02
2.44880E+03	1.12540E-02	6.66990E-01	7.50620E-03	1.46760E-02
2.44890E+03	1.11200E-02	6.66950E-01	7.41660E-03	1.45010E-02
2.44900E+03	1.10370E-02	6.66910E-01	7.36070E-03	1.43920E-02
2.44910E+03	1.09980E-02	6.66870E-01	7.33420E-03	1.43400E-02
2.44920E+03	1.09950E-02	6.66830E-01	7.33210E-03	1.43360E-02
2.44930E+03	1.10220E-02	6.66790E-01	7.34910E-03	1.43690E-02
2.44940E+03	1.10680E-02	6.66750E-01	7.37960E-03	1.44290E-02
2.44950E+03	1.11270E-02	6.66700E-01	7.41810E-03	1.45040E-02
2.44960E+03	1.11890E-02	6.66660E-01	7.45940E-03	1.45850E-02
2.44970E+03	1.12490E-02	6.66620E-01	7.49850E-03	1.46610E-02
2.44980E+03	1.12980E-02	6.66580E-01	7.53090E-03	1.47250E-02
2.44990E+03	1.13310E-02	6.66540E-01	7.55280E-03	1.47670E-02
2.45000E+03	1.13440E-02	6.66490E-01	7.56070E-03	1.47830E-02
2.45010E+03	1.13320E-02	6.66530E-01	7.55280E-03	1.47670E-02
2.45020E+03	1.12910E-02	6.66580E-01	7.52650E-03	1.47160E-02
2.45030E+03	1.12200E-02	6.66750E-01	7.48100E-03	1.46270E-02
2.45040E+03	1.11170E-02	6.66920E-01	7.41430E-03	1.44970E-02
2.45050E+03	1.09820E-02	6.67090E-01	7.32580E-03	1.43230E-02
2.45060E+03	1.08130E-02	6.67270E-01	7.21530E-03	1.41070E-02

2.45070E+03	1.06130E-02	6.67440E-01	7.08360E-03	1.38500E-02
2.45080E+03	1.03820E-02	6.67610E-01	6.93120E-03	1.35520E-02
2.45090E+03	1.01220E-02	6.67780E-01	6.75940E-03	1.32160E-02
2.45100E+03	8.65160E-03	6.67950E-01	5.77880E-03	1.12990E-02
2.45110E+03	8.46080E-03	6.68120E-01	5.65290E-03	1.10530E-02
2.45120E+03	8.26640E-03	6.68290E-01	5.52440E-03	1.08010E-02
2.45130E+03	8.06770E-03	6.68470E-01	5.39300E-03	1.05440E-02
2.45140E+03	7.86400E-03	6.68640E-01	5.25820E-03	1.02810E-02
2.45150E+03	7.65500E-03	6.68810E-01	5.11980E-03	1.00100E-02
2.45160E+03	7.44030E-03	6.68980E-01	4.97750E-03	9.73200E-03
2.45170E+03	7.21990E-03	6.69160E-01	4.83120E-03	9.44610E-03
2.45180E+03	6.99380E-03	6.69330E-01	4.68120E-03	9.15270E-03
2.45190E+03	6.76230E-03	6.69500E-01	4.52740E-03	8.85200E-03
2.45200E+03	6.52580E-03	6.69680E-01	4.37010E-03	8.54450E-03
2.45210E+03	6.28480E-03	6.69750E-01	4.20920E-03	8.23000E-03
2.45220E+03	6.04000E-03	6.69830E-01	4.04580E-03	7.91040E-03
2.45230E+03	5.79240E-03	6.69910E-01	3.88040E-03	7.58690E-03
2.45240E+03	4.88640E-03	6.69990E-01	3.27380E-03	6.40110E-03
2.45250E+03	4.59680E-03	6.69900E-01	3.07940E-03	6.02090E-03
2.45260E+03	4.32610E-03	6.69820E-01	2.89770E-03	5.66560E-03
2.45270E+03	4.07370E-03	6.69730E-01	2.72830E-03	5.33430E-03
2.45280E+03	3.83840E-03	6.69650E-01	2.57030E-03	5.02560E-03
2.45290E+03	3.61840E-03	6.69560E-01	2.42270E-03	4.73690E-03
2.45300E+03	3.41160E-03	6.69480E-01	2.28400E-03	4.46570E-03
2.45310E+03	3.21580E-03	6.69400E-01	2.15260E-03	4.20890E-03
2.45320E+03	3.02860E-03	6.69310E-01	2.02710E-03	3.96330E-03
2.45330E+03	2.84770E-03	6.69230E-01	1.90580E-03	3.72620E-03
2.45340E+03	2.67120E-03	6.69150E-01	1.78740E-03	3.49480E-03
2.45350E+03	2.49720E-03	6.69070E-01	1.67080E-03	3.26680E-03
2.45360E+03	2.32440E-03	6.68990E-01	1.55500E-03	3.04030E-03
2.45370E+03	2.15180E-03	6.68910E-01	1.43940E-03	2.81420E-03
2.45380E+03	1.97890E-03	6.68830E-01	1.32350E-03	2.58780E-03
2.45390E+03	1.80580E-03	6.68750E-01	1.20770E-03	2.36120E-03
2.45400E+03	1.63350E-03	6.68670E-01	1.09220E-03	2.13550E-03
2.45410E+03	1.46310E-03	6.68580E-01	9.78180E-04	1.91250E-03
2.45420E+03	1.29680E-03	6.68490E-01	8.66890E-04	1.69500E-03
2.45430E+03	1.13730E-03	6.68410E-01	7.60210E-04	1.48640E-03
2.45440E+03	0.00000E+00	6.68320E-01	0.00000E+00	0.00000E+00
Channel 18				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4

2.45760E+03	0.00000E+00	6.69010E-01	0.00000E+00	0.00000E+00
2.45770E+03	2.30950E-03	6.69150E-01	1.54540E-03	3.21830E-03
2.45780E+03	2.04700E-03	6.69290E-01	1.37010E-03	2.85310E-03
2.45790E+03	1.80550E-03	6.69430E-01	1.20870E-03	2.51710E-03
2.45800E+03	1.58980E-03	6.69570E-01	1.06450E-03	2.21680E-03
2.45810E+03	1.40420E-03	6.69650E-01	9.40350E-04	1.95830E-03
2.45820E+03	1.25270E-03	6.69710E-01	8.38910E-04	1.74700E-03
2.45830E+03	1.13830E-03	6.69760E-01	7.62400E-04	1.58770E-03
2.45840E+03	1.06380E-03	6.69820E-01	7.12540E-04	1.48390E-03
2.45850E+03	1.03090E-03	6.69870E-01	6.90560E-04	1.43810E-03
2.45860E+03	1.04060E-03	6.69930E-01	6.97100E-04	1.45170E-03
2.45870E+03	1.09300E-03	6.69980E-01	7.32290E-04	1.52500E-03
2.45880E+03	1.18740E-03	6.70030E-01	7.95570E-04	1.65680E-03
2.45890E+03	1.32200E-03	6.70090E-01	8.85830E-04	1.84470E-03
2.45900E+03	1.49420E-03	6.70140E-01	1.00140E-03	2.08530E-03
2.45910E+03	1.70080E-03	6.70180E-01	1.13980E-03	2.37370E-03
2.45920E+03	1.93760E-03	6.70220E-01	1.29860E-03	2.70430E-03
2.45930E+03	2.19990E-03	6.70260E-01	1.47450E-03	3.07060E-03
2.45940E+03	2.48240E-03	6.70300E-01	1.66390E-03	3.46520E-03
2.45950E+03	2.77950E-03	6.70340E-01	1.86320E-03	3.88020E-03
2.45960E+03	3.08530E-03	6.70380E-01	2.06840E-03	4.30740E-03
2.45970E+03	3.31280E-03	6.70420E-01	2.22100E-03	4.62520E-03
2.45980E+03	3.36000E-03	6.70460E-01	2.25270E-03	4.69130E-03
2.45990E+03	3.40910E-03	6.70500E-01	2.28580E-03	4.76010E-03
2.46000E+03	3.45990E-03	6.70540E-01	2.32000E-03	4.83140E-03
2.46010E+03	3.51210E-03	6.70570E-01	2.35510E-03	4.90450E-03
2.46020E+03	3.56540E-03	6.70600E-01	2.39100E-03	4.97920E-03
2.46030E+03	3.61950E-03	6.70640E-01	2.42740E-03	5.05510E-03
2.46040E+03	3.67420E-03	6.70670E-01	2.46420E-03	5.13170E-03
2.46050E+03	3.72900E-03	6.70710E-01	2.50110E-03	5.20860E-03
2.46060E+03	3.78380E-03	6.70760E-01	2.53800E-03	5.28540E-03
2.46070E+03	3.83820E-03	6.70810E-01	2.57470E-03	5.36170E-03
2.46080E+03	3.89180E-03	6.70850E-01	2.61080E-03	5.43700E-03
2.46090E+03	3.94430E-03	6.70900E-01	2.64630E-03	5.51090E-03
2.46100E+03	3.99560E-03	6.70950E-01	2.68080E-03	5.58280E-03
2.46110E+03	4.04510E-03	6.71000E-01	2.71430E-03	5.65250E-03
2.46120E+03	4.09280E-03	6.71040E-01	2.74640E-03	5.71950E-03
2.46130E+03	4.13830E-03	6.71060E-01	2.77700E-03	5.78320E-03
2.46140E+03	4.18140E-03	6.71080E-01	2.80600E-03	5.84350E-03
2.46150E+03	4.22190E-03	6.71090E-01	2.83330E-03	5.90030E-03
2.46160E+03	4.25970E-03	6.71110E-01	2.85870E-03	5.95330E-03
2.46170E+03	4.29460E-03	6.71130E-01	2.88220E-03	6.00230E-03
2.46180E+03	4.32670E-03	6.71140E-01	2.90380E-03	6.04730E-03

2.46190E+03	4.35590E-03	6.71160E-01	2.92350E-03	6.08820E-03
2.46200E+03	4.38230E-03	6.71170E-01	2.94130E-03	6.12520E-03
2.46210E+03	4.40590E-03	6.71180E-01	2.95710E-03	6.15830E-03
2.46220E+03	4.42700E-03	6.71170E-01	2.97120E-03	6.18760E-03
2.46230E+03	4.44560E-03	6.71170E-01	2.98380E-03	6.21370E-03
2.46240E+03	4.46220E-03	6.71160E-01	2.99480E-03	6.23680E-03
2.46250E+03	4.47690E-03	6.71160E-01	3.00470E-03	6.25740E-03
2.46260E+03	4.49020E-03	6.71160E-01	3.01360E-03	6.27590E-03
2.46270E+03	4.50230E-03	6.71150E-01	3.02180E-03	6.29280E-03
2.46280E+03	4.51380E-03	6.71150E-01	3.02940E-03	6.30880E-03
2.46290E+03	4.52510E-03	6.71140E-01	3.03700E-03	6.32450E-03
2.46300E+03	4.53650E-03	6.71140E-01	3.04460E-03	6.34040E-03
2.46310E+03	4.54850E-03	6.71130E-01	3.05260E-03	6.35720E-03
2.46320E+03	4.56160E-03	6.71120E-01	3.06140E-03	6.37540E-03
2.46330E+03	4.57620E-03	6.71120E-01	3.07120E-03	6.39580E-03
2.46340E+03	4.59280E-03	6.71110E-01	3.08220E-03	6.41880E-03
2.46350E+03	4.61150E-03	6.71100E-01	3.09480E-03	6.44500E-03
2.46360E+03	4.63290E-03	6.71090E-01	3.10910E-03	6.47480E-03
2.46370E+03	4.65720E-03	6.71080E-01	3.12540E-03	6.50870E-03
2.46380E+03	4.68470E-03	6.71070E-01	3.14380E-03	6.54690E-03
2.46390E+03	4.71540E-03	6.71070E-01	3.16430E-03	6.58980E-03
2.46400E+03	4.74950E-03	6.71060E-01	3.18720E-03	6.63740E-03
2.46410E+03	4.78710E-03	6.71030E-01	3.21230E-03	6.68960E-03
2.46420E+03	4.82820E-03	6.70990E-01	3.23970E-03	6.74660E-03
2.46430E+03	4.87260E-03	6.70950E-01	3.26930E-03	6.80840E-03
2.46440E+03	4.92030E-03	6.70910E-01	3.30110E-03	6.87460E-03
2.46450E+03	4.97110E-03	6.70880E-01	3.33500E-03	6.94520E-03
2.46460E+03	5.02470E-03	6.70840E-01	3.37070E-03	7.01960E-03
2.46470E+03	5.08070E-03	6.70800E-01	3.40820E-03	7.09750E-03
2.46480E+03	5.13900E-03	6.70760E-01	3.44700E-03	7.17850E-03
2.46490E+03	5.19910E-03	6.70720E-01	3.48720E-03	7.26200E-03
2.46500E+03	5.26060E-03	6.70690E-01	3.52820E-03	7.34760E-03
2.46510E+03	5.32320E-03	6.70630E-01	3.56990E-03	7.43430E-03
2.46520E+03	5.38640E-03	6.70570E-01	3.61200E-03	7.52200E-03
2.46530E+03	5.44990E-03	6.70510E-01	3.65420E-03	7.60990E-03
2.46540E+03	5.51330E-03	6.70450E-01	3.69640E-03	7.69770E-03
2.46550E+03	5.57620E-03	6.70390E-01	3.73820E-03	7.78490E-03
2.46560E+03	5.63830E-03	6.70330E-01	3.77950E-03	7.87080E-03
2.46570E+03	5.69930E-03	6.70270E-01	3.82010E-03	7.95540E-03
2.46580E+03	5.75900E-03	6.70220E-01	3.85980E-03	8.03800E-03
2.46590E+03	5.81710E-03	6.70170E-01	3.89850E-03	8.11860E-03
2.46600E+03	5.87360E-03	6.70120E-01	3.93600E-03	8.19680E-03
2.46610E+03	5.92830E-03	6.70070E-01	3.97240E-03	8.27260E-03

2.46620E+03	5.98120E-03	6.70030E-01	4.00760E-03	8.34590E-03
2.46630E+03	6.03230E-03	6.69990E-01	4.04160E-03	8.41670E-03
2.46640E+03	6.08160E-03	6.69950E-01	4.07440E-03	8.48500E-03
2.46650E+03	6.12940E-03	6.69910E-01	4.10610E-03	8.55100E-03
2.46660E+03	6.17560E-03	6.69870E-01	4.13680E-03	8.61500E-03
2.46670E+03	6.22050E-03	6.69830E-01	4.16660E-03	8.67710E-03
2.46680E+03	6.26420E-03	6.69790E-01	4.19570E-03	8.73760E-03
2.46690E+03	6.30720E-03	6.69740E-01	4.22420E-03	8.79690E-03
2.46700E+03	6.34940E-03	6.69700E-01	4.25220E-03	8.85530E-03
2.46710E+03	6.39130E-03	6.69660E-01	4.28000E-03	8.91320E-03
2.46720E+03	6.43310E-03	6.69610E-01	4.30770E-03	8.97080E-03
2.46730E+03	6.47490E-03	6.69570E-01	4.33540E-03	9.02850E-03
2.46740E+03	6.51700E-03	6.69520E-01	4.36330E-03	9.08660E-03
2.46750E+03	6.55960E-03	6.69480E-01	4.39150E-03	9.14540E-03
2.46760E+03	6.60290E-03	6.69430E-01	4.42020E-03	9.20510E-03
2.46770E+03	6.64690E-03	6.69390E-01	4.44940E-03	9.26590E-03
2.46780E+03	6.69180E-03	6.69340E-01	4.47910E-03	9.32790E-03
2.46790E+03	6.73760E-03	6.69310E-01	4.50950E-03	9.39120E-03
2.46800E+03	6.78440E-03	6.69280E-01	4.54060E-03	9.45590E-03
2.46810E+03	6.83190E-03	6.69320E-01	4.57270E-03	9.52270E-03
2.46820E+03	6.88030E-03	6.69350E-01	4.60530E-03	9.59060E-03
2.46830E+03	6.92930E-03	6.69380E-01	4.63830E-03	9.65930E-03
2.46840E+03	6.97880E-03	6.69410E-01	4.67170E-03	9.72880E-03
2.46850E+03	7.02860E-03	6.69450E-01	4.70530E-03	9.79880E-03
2.46860E+03	7.07860E-03	6.69480E-01	4.73900E-03	9.86890E-03
2.46870E+03	7.12840E-03	6.69510E-01	4.77260E-03	9.93890E-03
2.46880E+03	7.17790E-03	6.69550E-01	4.80600E-03	1.00080E-02
2.46890E+03	7.22690E-03	6.69580E-01	4.83900E-03	1.00770E-02
2.46900E+03	7.27510E-03	6.69610E-01	4.87150E-03	1.01450E-02
2.46910E+03	7.32220E-03	6.69640E-01	4.90330E-03	1.02110E-02
2.46920E+03	7.36820E-03	6.69680E-01	4.93430E-03	1.02760E-02
2.46930E+03	7.41280E-03	6.69710E-01	4.96440E-03	1.03380E-02
2.46940E+03	7.45600E-03	6.69740E-01	4.99360E-03	1.03990E-02
2.46950E+03	7.49750E-03	6.69770E-01	5.02160E-03	1.04580E-02
2.46960E+03	7.53750E-03	6.69800E-01	5.04860E-03	1.05140E-02
2.46970E+03	7.57580E-03	6.69820E-01	5.07450E-03	1.05680E-02
2.46980E+03	7.61260E-03	6.69850E-01	5.09930E-03	1.06190E-02
2.46990E+03	7.64800E-03	6.69880E-01	5.12320E-03	1.06690E-02
2.47000E+03	7.68200E-03	6.69910E-01	5.14620E-03	1.07170E-02
2.47010E+03	7.71490E-03	6.69970E-01	5.16880E-03	1.07640E-02
2.47020E+03	7.74710E-03	6.70030E-01	5.19080E-03	1.08100E-02
2.47030E+03	7.77870E-03	6.70090E-01	5.21240E-03	1.08550E-02
2.47040E+03	7.81010E-03	6.70150E-01	5.23400E-03	1.09000E-02

2.47050E+03	7.84170E-03	6.70210E-01	5.25560E-03	1.09450E-02
2.47060E+03	7.87390E-03	6.70270E-01	5.27770E-03	1.09910E-02
2.47070E+03	7.90720E-03	6.70330E-01	5.30040E-03	1.10380E-02
2.47080E+03	7.94180E-03	6.70390E-01	5.32410E-03	1.10880E-02
2.47090E+03	7.97840E-03	6.70450E-01	5.34910E-03	1.11400E-02
2.47100E+03	8.01720E-03	6.70510E-01	5.37570E-03	1.11950E-02
2.47110E+03	8.05880E-03	6.70570E-01	5.40400E-03	1.12540E-02
2.47120E+03	8.10360E-03	6.70630E-01	5.43450E-03	1.13170E-02
2.47130E+03	8.15180E-03	6.70690E-01	5.46730E-03	1.13860E-02
2.47140E+03	8.20380E-03	6.70750E-01	5.50270E-03	1.14590E-02
2.47150E+03	8.26000E-03	6.70810E-01	5.54090E-03	1.15390E-02
2.47160E+03	8.32060E-03	6.70860E-01	5.58200E-03	1.16250E-02
2.47170E+03	8.38580E-03	6.70920E-01	5.62620E-03	1.17170E-02
2.47180E+03	8.45560E-03	6.70980E-01	5.67360E-03	1.18150E-02
2.47190E+03	8.53030E-03	6.71040E-01	5.72420E-03	1.19210E-02
2.47200E+03	8.60980E-03	6.71100E-01	5.77800E-03	1.20330E-02
2.47210E+03	8.69420E-03	6.71110E-01	5.83480E-03	1.21510E-02
2.47220E+03	8.78330E-03	6.71130E-01	5.89470E-03	1.22760E-02
2.47230E+03	8.87700E-03	6.71200E-01	5.95820E-03	1.24080E-02
2.47240E+03	8.97510E-03	6.71260E-01	6.02460E-03	1.25460E-02
2.47250E+03	9.07740E-03	6.71330E-01	6.09390E-03	1.26910E-02
2.47260E+03	9.18370E-03	6.71390E-01	6.16580E-03	1.28400E-02
2.47270E+03	9.29350E-03	6.71460E-01	6.24020E-03	1.29950E-02
2.47280E+03	9.40670E-03	6.71520E-01	6.31680E-03	1.31550E-02
2.47290E+03	9.52280E-03	6.71590E-01	6.39540E-03	1.33180E-02
2.47300E+03	9.64140E-03	6.71650E-01	6.47570E-03	1.34860E-02
2.47310E+03	9.76220E-03	6.71720E-01	6.55750E-03	1.36560E-02
2.47320E+03	9.88480E-03	6.71790E-01	6.64050E-03	1.38290E-02
2.47330E+03	1.00090E-02	6.71860E-01	6.72460E-03	1.40040E-02
2.47340E+03	1.01340E-02	6.71930E-01	6.80920E-03	1.41800E-02
2.47350E+03	1.02600E-02	6.72000E-01	6.89450E-03	1.43580E-02
2.47360E+03	1.03860E-02	6.72060E-01	6.98000E-03	1.45360E-02
2.47370E+03	1.05120E-02	6.72130E-01	7.06550E-03	1.47140E-02
2.47380E+03	1.06380E-02	6.72200E-01	7.15090E-03	1.48920E-02
2.47390E+03	1.07640E-02	6.72270E-01	7.23620E-03	1.50690E-02
2.47400E+03	1.08890E-02	6.72340E-01	7.32100E-03	1.52460E-02
2.47410E+03	1.10130E-02	6.72440E-01	7.40570E-03	1.54220E-02
2.47420E+03	1.11370E-02	6.72560E-01	7.49000E-03	1.55980E-02
2.47430E+03	1.12590E-02	6.72670E-01	7.57370E-03	1.57720E-02
2.47440E+03	1.13810E-02	6.72790E-01	7.65680E-03	1.59450E-02
2.47450E+03	1.15020E-02	6.72810E-01	7.73840E-03	1.61150E-02
2.47460E+03	1.16220E-02	6.72840E-01	7.81950E-03	1.62840E-02
2.47470E+03	1.17410E-02	6.72860E-01	7.90010E-03	1.64520E-02

2.47480E+03	1.18600E-02	6.72890E-01	7.98030E-03	1.66190E-02
2.47490E+03	1.19780E-02	6.72910E-01	8.06030E-03	1.67860E-02
2.47500E+03	1.20970E-02	6.72940E-01	8.14020E-03	1.69520E-02
2.47510E+03	1.22150E-02	6.73010E-01	8.22080E-03	1.71200E-02
2.47520E+03	1.23340E-02	6.73080E-01	8.30170E-03	1.72880E-02
2.47530E+03	1.24530E-02	6.73150E-01	8.38290E-03	1.74580E-02
2.47540E+03	1.25740E-02	6.73220E-01	8.46490E-03	1.76280E-02
2.47550E+03	1.26950E-02	6.73290E-01	8.54760E-03	1.78000E-02
2.47560E+03	1.28180E-02	6.73370E-01	8.63140E-03	1.79750E-02
2.47570E+03	1.29430E-02	6.73440E-01	8.71640E-03	1.81520E-02
2.47580E+03	1.30700E-02	6.73510E-01	8.80290E-03	1.83320E-02
2.47590E+03	1.31990E-02	6.73580E-01	8.89090E-03	1.85150E-02
2.47600E+03	1.33310E-02	6.73660E-01	8.98080E-03	1.87030E-02
2.47610E+03	1.34660E-02	6.73770E-01	9.07310E-03	1.88950E-02
2.47620E+03	1.36040E-02	6.73870E-01	9.16740E-03	1.90910E-02
2.47630E+03	1.37450E-02	6.73980E-01	9.26390E-03	1.92920E-02
2.47640E+03	1.38890E-02	6.74090E-01	9.36260E-03	1.94980E-02
2.47650E+03	1.40370E-02	6.74190E-01	9.46380E-03	1.97080E-02
2.47660E+03	1.41890E-02	6.74300E-01	9.56740E-03	1.99240E-02
2.47670E+03	1.43440E-02	6.74370E-01	9.67300E-03	2.01440E-02
2.47680E+03	1.45020E-02	6.74450E-01	9.78100E-03	2.03690E-02
2.47690E+03	1.46640E-02	6.74520E-01	9.89140E-03	2.05990E-02
2.47700E+03	1.48300E-02	6.74590E-01	1.00040E-02	2.08340E-02
2.47710E+03	1.49990E-02	6.74660E-01	1.01190E-02	2.10740E-02
2.47720E+03	1.51720E-02	6.74730E-01	1.02370E-02	2.13190E-02
2.47730E+03	1.53480E-02	6.74810E-01	1.03570E-02	2.15680E-02
2.47740E+03	1.55260E-02	6.74880E-01	1.04780E-02	2.18210E-02
2.47750E+03	1.57080E-02	6.74950E-01	1.06020E-02	2.20790E-02
2.47760E+03	1.58920E-02	6.75020E-01	1.07270E-02	2.23400E-02
2.47770E+03	1.60780E-02	6.75090E-01	1.08540E-02	2.26040E-02
2.47780E+03	1.62670E-02	6.75160E-01	1.09830E-02	2.28720E-02
2.47790E+03	1.64570E-02	6.75230E-01	1.11130E-02	2.31420E-02
2.47800E+03	1.66490E-02	6.75300E-01	1.12430E-02	2.34150E-02
2.47810E+03	1.68430E-02	6.75280E-01	1.13740E-02	2.36860E-02
2.47820E+03	1.70380E-02	6.75250E-01	1.15050E-02	2.39590E-02
2.47830E+03	1.72330E-02	6.75220E-01	1.16360E-02	2.42320E-02
2.47840E+03	1.74300E-02	6.75180E-01	1.17680E-02	2.45070E-02
2.47850E+03	1.76260E-02	6.75150E-01	1.19000E-02	2.47830E-02
2.47860E+03	1.78240E-02	6.75120E-01	1.20330E-02	2.50590E-02
2.47870E+03	1.80210E-02	6.75090E-01	1.21660E-02	2.53350E-02
2.47880E+03	1.82190E-02	6.75050E-01	1.22990E-02	2.56120E-02
2.47890E+03	1.84160E-02	6.75080E-01	1.24330E-02	2.58910E-02
2.47900E+03	1.86150E-02	6.75120E-01	1.25670E-02	2.61710E-02

2.47910E+03	1.88130E-02	6.75150E-01	1.27010E-02	2.64510E-02
2.47920E+03	1.90110E-02	6.75180E-01	1.28360E-02	2.67310E-02
2.47930E+03	1.92100E-02	6.75210E-01	1.29710E-02	2.70120E-02
2.47940E+03	1.94100E-02	6.75240E-01	1.31060E-02	2.72930E-02
2.47950E+03	1.96100E-02	6.75270E-01	1.32420E-02	2.75760E-02
2.47960E+03	1.98110E-02	6.75300E-01	1.33790E-02	2.78610E-02
2.47970E+03	2.00140E-02	6.75330E-01	1.35160E-02	2.81470E-02
2.47980E+03	2.02190E-02	6.75360E-01	1.36550E-02	2.84360E-02
2.47990E+03	2.04250E-02	6.75390E-01	1.37950E-02	2.87290E-02
2.48000E+03	2.06350E-02	6.75420E-01	1.39370E-02	2.90240E-02
2.48010E+03	2.08470E-02	6.75430E-01	1.40810E-02	2.93240E-02
2.48020E+03	2.10630E-02	6.75450E-01	1.42270E-02	2.96280E-02
2.48030E+03	2.12840E-02	6.75460E-01	1.43760E-02	2.99390E-02
2.48040E+03	2.15090E-02	6.75480E-01	1.45290E-02	3.02560E-02
2.48050E+03	2.17390E-02	6.75490E-01	1.46840E-02	3.05810E-02
2.48060E+03	2.19750E-02	6.75510E-01	1.48440E-02	3.09130E-02
2.48070E+03	2.22180E-02	6.75520E-01	1.50080E-02	3.12550E-02
2.48080E+03	2.24670E-02	6.75520E-01	1.51770E-02	3.16060E-02
2.48090E+03	2.27240E-02	6.75520E-01	1.53510E-02	3.19680E-02
2.48100E+03	2.29900E-02	6.75520E-01	1.55300E-02	3.23420E-02
2.48110E+03	2.32640E-02	6.75570E-01	1.57170E-02	3.27300E-02
2.48120E+03	2.35480E-02	6.75610E-01	1.59100E-02	3.31320E-02
2.48130E+03	2.38420E-02	6.75660E-01	1.61090E-02	3.35480E-02
2.48140E+03	2.41470E-02	6.75710E-01	1.63160E-02	3.39780E-02
2.48150E+03	2.44620E-02	6.75750E-01	1.65300E-02	3.44250E-02
2.48160E+03	2.47890E-02	6.75800E-01	1.67530E-02	3.48870E-02
2.48170E+03	2.51280E-02	6.75850E-01	1.69830E-02	3.53670E-02
2.48180E+03	2.54800E-02	6.75890E-01	1.72220E-02	3.58650E-02
2.48190E+03	2.58440E-02	6.75940E-01	1.74690E-02	3.63800E-02
2.48200E+03	2.62220E-02	6.75990E-01	1.77260E-02	3.69150E-02
2.48210E+03	2.66140E-02	6.76080E-01	1.79930E-02	3.74710E-02
2.48220E+03	2.70190E-02	6.76190E-01	1.82700E-02	3.80480E-02
2.48230E+03	2.74390E-02	6.76290E-01	1.85570E-02	3.86450E-02
2.48240E+03	2.78730E-02	6.76390E-01	1.88530E-02	3.92620E-02
2.48250E+03	2.83220E-02	6.76500E-01	1.91600E-02	3.99010E-02
2.48260E+03	2.87870E-02	6.76600E-01	1.94770E-02	4.05610E-02
2.48270E+03	2.92660E-02	6.76700E-01	1.98040E-02	4.12420E-02
2.48280E+03	2.97600E-02	6.76810E-01	2.01420E-02	4.19450E-02
2.48290E+03	3.02690E-02	6.76910E-01	2.04890E-02	4.26690E-02
2.48300E+03	3.07940E-02	6.77010E-01	2.08480E-02	4.34160E-02
2.48310E+03	3.13340E-02	6.77120E-01	2.12170E-02	4.41840E-02
2.48320E+03	3.18890E-02	6.77220E-01	2.15960E-02	4.49740E-02
2.48330E+03	3.24590E-02	6.77290E-01	2.19840E-02	4.57830E-02

2.48340E+03	3.30450E-02	6.77360E-01	2.23830E-02	4.66130E-02
2.48350E+03	3.36450E-02	6.77440E-01	2.27920E-02	4.74650E-02
2.48360E+03	3.42600E-02	6.77510E-01	2.32110E-02	4.83380E-02
2.48370E+03	3.48890E-02	6.77580E-01	2.36400E-02	4.92310E-02
2.48380E+03	3.53390E-02	6.77650E-01	2.39480E-02	4.98710E-02
2.48390E+03	3.60380E-02	6.77720E-01	2.44230E-02	5.08620E-02
2.48400E+03	3.67310E-02	6.77790E-01	2.48950E-02	5.18450E-02
2.48410E+03	3.74180E-02	6.77830E-01	2.53630E-02	5.28180E-02
2.48420E+03	3.80990E-02	6.77860E-01	2.58260E-02	5.37830E-02
2.48430E+03	3.87760E-02	6.77900E-01	2.62860E-02	5.47420E-02
2.48440E+03	3.94490E-02	6.77940E-01	2.67440E-02	5.56950E-02
2.48450E+03	4.01200E-02	6.77980E-01	2.72000E-02	5.66450E-02
2.48460E+03	4.07900E-02	6.78010E-01	2.76560E-02	5.75940E-02
2.48470E+03	4.14610E-02	6.78050E-01	2.81130E-02	5.85450E-02
2.48480E+03	4.21370E-02	6.78090E-01	2.85720E-02	5.95020E-02
2.48490E+03	4.28180E-02	6.78130E-01	2.90360E-02	6.04680E-02
2.48500E+03	4.35090E-02	6.78170E-01	2.95060E-02	6.14470E-02
2.48510E+03	4.42110E-02	6.78190E-01	2.99830E-02	6.24410E-02
2.48520E+03	4.49270E-02	6.78210E-01	3.04700E-02	6.34540E-02
2.48530E+03	4.56590E-02	6.78230E-01	3.09670E-02	6.44900E-02
2.48540E+03	4.64090E-02	6.78260E-01	3.14770E-02	6.55520E-02
2.48550E+03	4.71800E-02	6.78250E-01	3.20000E-02	6.66400E-02
2.48560E+03	4.79720E-02	6.78240E-01	3.25370E-02	6.77580E-02
2.48570E+03	4.87870E-02	6.78240E-01	3.30890E-02	6.89090E-02
2.48580E+03	4.96260E-02	6.78230E-01	3.36580E-02	7.00930E-02
2.48590E+03	5.04890E-02	6.78220E-01	3.42430E-02	7.13110E-02
2.48600E+03	5.13760E-02	6.78220E-01	3.48440E-02	7.25640E-02
2.48610E+03	5.22870E-02	6.78210E-01	3.54610E-02	7.38490E-02
2.48620E+03	5.32210E-02	6.78190E-01	3.60940E-02	7.51660E-02
2.48630E+03	5.41750E-02	6.78180E-01	3.67400E-02	7.65120E-02
2.48640E+03	5.51500E-02	6.78160E-01	3.74010E-02	7.78870E-02
2.48650E+03	5.61420E-02	6.78150E-01	3.80730E-02	7.92870E-02
2.48660E+03	5.71500E-02	6.78140E-01	3.87560E-02	8.07090E-02
2.48670E+03	5.81720E-02	6.78120E-01	3.94480E-02	8.21500E-02
2.48680E+03	5.92040E-02	6.78110E-01	4.01470E-02	8.36060E-02
2.48690E+03	6.02450E-02	6.78090E-01	4.08520E-02	8.50750E-02
2.48700E+03	6.12930E-02	6.78080E-01	4.15610E-02	8.65520E-02
2.48710E+03	6.23440E-02	6.78070E-01	4.22740E-02	8.80350E-02
2.48720E+03	6.33970E-02	6.78050E-01	4.29870E-02	8.95210E-02
2.48730E+03	6.44510E-02	6.78040E-01	4.37010E-02	9.10070E-02
2.48740E+03	6.55040E-02	6.78030E-01	4.44140E-02	9.24920E-02
2.48750E+03	6.65550E-02	6.78020E-01	4.51250E-02	9.39730E-02
2.48760E+03	6.76030E-02	6.78000E-01	4.58350E-02	9.54520E-02

2.48770E+03	6.86490E-02	6.77960E-01	4.65410E-02	9.69220E-02
2.48780E+03	6.96920E-02	6.77920E-01	4.72460E-02	9.83900E-02
2.48790E+03	7.07350E-02	6.77880E-01	4.79500E-02	9.98560E-02
2.48800E+03	7.17790E-02	6.77830E-01	4.86540E-02	1.01320E-01
2.48810E+03	7.28260E-02	6.77770E-01	4.93600E-02	1.02790E-01
2.48820E+03	7.38780E-02	6.77710E-01	5.00680E-02	1.04270E-01
2.48830E+03	7.49390E-02	6.77650E-01	5.07830E-02	1.05760E-01
2.48840E+03	7.60120E-02	6.77590E-01	5.15050E-02	1.07260E-01
2.48850E+03	7.71010E-02	6.77530E-01	5.22380E-02	1.08790E-01
2.48860E+03	7.82090E-02	6.77470E-01	5.29850E-02	1.10340E-01
2.48870E+03	7.93410E-02	6.77410E-01	5.37470E-02	1.11930E-01
2.48880E+03	8.05010E-02	6.77350E-01	5.45280E-02	1.13550E-01
2.48890E+03	8.16930E-02	6.77300E-01	5.53300E-02	1.15230E-01
2.48900E+03	8.29210E-02	6.77240E-01	5.61570E-02	1.16950E-01
2.48910E+03	8.41880E-02	6.77180E-01	5.70100E-02	1.18720E-01
2.48920E+03	8.54990E-02	6.77120E-01	5.78930E-02	1.20560E-01
2.48930E+03	8.68570E-02	6.77060E-01	5.88070E-02	1.22470E-01
2.48940E+03	8.82630E-02	6.77000E-01	5.97540E-02	1.24440E-01
2.48950E+03	8.97210E-02	6.76940E-01	6.07360E-02	1.26480E-01
2.48960E+03	9.12310E-02	6.76880E-01	6.17530E-02	1.28600E-01
2.48970E+03	9.27940E-02	6.76830E-01	6.28060E-02	1.30790E-01
2.48980E+03	9.44120E-02	6.76770E-01	6.38950E-02	1.33060E-01
2.48990E+03	9.60830E-02	6.76760E-01	6.50240E-02	1.35410E-01
2.49000E+03	9.78060E-02	6.76750E-01	6.61900E-02	1.37840E-01
2.49010E+03	9.95800E-02	6.76720E-01	6.73880E-02	1.40340E-01
2.49020E+03	1.01400E-01	6.76700E-01	6.86200E-02	1.42900E-01
2.49030E+03	1.03270E-01	6.76680E-01	6.98820E-02	1.45530E-01
2.49040E+03	1.05180E-01	6.76660E-01	7.11730E-02	1.48220E-01
2.49050E+03	1.07130E-01	6.76640E-01	7.24910E-02	1.50960E-01
2.49060E+03	1.09120E-01	6.76620E-01	7.38330E-02	1.53760E-01
2.49070E+03	1.11140E-01	6.76600E-01	7.51960E-02	1.56600E-01
2.49080E+03	1.13180E-01	6.76580E-01	7.65770E-02	1.59470E-01
2.49090E+03	1.15250E-01	6.76560E-01	7.79740E-02	1.62380E-01
2.49100E+03	1.17340E-01	6.76530E-01	7.93830E-02	1.65320E-01
2.49110E+03	1.19440E-01	6.76520E-01	8.08030E-02	1.68270E-01
2.49120E+03	1.21550E-01	6.76500E-01	8.22310E-02	1.71250E-01
2.49130E+03	1.23680E-01	6.76480E-01	8.36650E-02	1.74230E-01
2.49140E+03	1.25810E-01	6.76460E-01	8.51020E-02	1.77230E-01
2.49150E+03	1.27940E-01	6.76440E-01	8.65410E-02	1.80220E-01
2.49160E+03	1.30070E-01	6.76420E-01	8.79820E-02	1.83220E-01
2.49170E+03	1.32200E-01	6.76400E-01	8.94220E-02	1.86220E-01
2.49180E+03	1.34340E-01	6.76390E-01	9.08630E-02	1.89220E-01
2.49190E+03	1.36470E-01	6.76370E-01	9.23030E-02	1.92220E-01

2.49200E+03	1.38600E-01	6.76350E-01	9.37440E-02	1.95220E-01
2.49210E+03	1.40740E-01	6.76420E-01	9.51990E-02	1.98250E-01
2.49220E+03	1.42880E-01	6.76510E-01	9.66580E-02	2.01290E-01
2.49230E+03	1.45020E-01	6.76590E-01	9.81220E-02	2.04340E-01
2.49240E+03	1.47180E-01	6.76670E-01	9.95910E-02	2.07400E-01
2.49250E+03	1.49340E-01	6.76750E-01	1.01070E-01	2.10480E-01
2.49260E+03	1.51530E-01	6.76830E-01	1.02560E-01	2.13580E-01
2.49270E+03	1.53730E-01	6.76900E-01	1.04060E-01	2.16700E-01
2.49280E+03	1.55950E-01	6.76980E-01	1.05580E-01	2.19860E-01
2.49290E+03	1.58200E-01	6.77060E-01	1.07110E-01	2.23060E-01
2.49300E+03	1.60480E-01	6.77130E-01	1.08670E-01	2.26300E-01
2.49310E+03	1.62790E-01	6.77210E-01	1.10240E-01	2.29580E-01
2.49320E+03	1.65140E-01	6.77290E-01	1.11850E-01	2.32920E-01
2.49330E+03	1.67530E-01	6.77370E-01	1.13480E-01	2.36320E-01
2.49340E+03	1.69960E-01	6.77450E-01	1.15140E-01	2.39770E-01
2.49350E+03	1.72430E-01	6.77520E-01	1.16820E-01	2.43290E-01
2.49360E+03	1.74940E-01	6.77600E-01	1.18540E-01	2.46870E-01
2.49370E+03	1.77510E-01	6.77680E-01	1.20290E-01	2.50510E-01
2.49380E+03	1.80120E-01	6.77760E-01	1.22080E-01	2.54230E-01
2.49390E+03	1.82780E-01	6.77840E-01	1.23890E-01	2.58010E-01
2.49400E+03	1.85480E-01	6.77920E-01	1.25740E-01	2.61850E-01
2.49410E+03	1.88220E-01	6.77950E-01	1.27610E-01	2.65740E-01
2.49420E+03	1.91010E-01	6.77980E-01	1.29500E-01	2.69690E-01
2.49430E+03	1.93840E-01	6.78050E-01	1.31430E-01	2.73710E-01
2.49440E+03	1.96710E-01	6.78120E-01	1.33390E-01	2.77790E-01
2.49450E+03	1.99610E-01	6.78190E-01	1.35380E-01	2.81920E-01
2.49460E+03	2.02550E-01	6.78270E-01	1.37380E-01	2.86100E-01
2.49470E+03	2.05510E-01	6.78340E-01	1.39410E-01	2.90320E-01
2.49480E+03	2.08500E-01	6.78410E-01	1.41450E-01	2.94570E-01
2.49490E+03	2.11510E-01	6.78490E-01	1.43510E-01	2.98860E-01
2.49500E+03	2.14540E-01	6.78560E-01	1.45580E-01	3.03170E-01
2.49510E+03	2.17590E-01	6.78580E-01	1.47650E-01	3.07490E-01
2.49520E+03	2.20650E-01	6.78610E-01	1.49730E-01	3.11820E-01
2.49530E+03	2.23720E-01	6.78640E-01	1.51820E-01	3.16170E-01
2.49540E+03	2.26790E-01	6.78660E-01	1.53910E-01	3.20530E-01
2.49550E+03	2.29870E-01	6.78690E-01	1.56010E-01	3.24890E-01
2.49560E+03	2.32950E-01	6.78710E-01	1.58110E-01	3.29260E-01
2.49570E+03	2.36040E-01	6.78740E-01	1.60210E-01	3.33630E-01
2.49580E+03	2.39120E-01	6.78760E-01	1.62310E-01	3.38010E-01
2.49590E+03	2.42200E-01	6.78790E-01	1.64410E-01	3.42380E-01
2.49600E+03	2.45290E-01	6.78820E-01	1.66500E-01	3.46740E-01
2.49610E+03	2.48360E-01	6.78860E-01	1.68610E-01	3.51120E-01
2.49620E+03	2.51440E-01	6.78920E-01	1.70710E-01	3.55500E-01

2.49630E+03	2.54520E-01	6.78960E-01	1.72810E-01	3.59880E-01
2.49640E+03	2.57600E-01	6.79010E-01	1.74910E-01	3.64250E-01
2.49650E+03	2.60670E-01	6.78950E-01	1.76980E-01	3.68570E-01
2.49660E+03	2.63750E-01	6.78900E-01	1.79060E-01	3.72890E-01
2.49670E+03	2.66820E-01	6.78850E-01	1.81130E-01	3.77210E-01
2.49680E+03	2.69900E-01	6.78800E-01	1.83210E-01	3.81540E-01
2.49690E+03	2.72980E-01	6.78750E-01	1.85290E-01	3.85860E-01
2.49700E+03	2.76070E-01	6.78700E-01	1.87370E-01	3.90200E-01
2.49710E+03	2.79160E-01	6.78650E-01	1.89450E-01	3.94530E-01
2.49720E+03	2.82250E-01	6.78590E-01	1.91540E-01	3.98880E-01
2.49730E+03	2.85350E-01	6.78540E-01	1.93620E-01	4.03220E-01
2.49740E+03	2.88460E-01	6.78490E-01	1.95720E-01	4.07580E-01
2.49750E+03	2.91570E-01	6.78430E-01	1.97810E-01	4.11940E-01
2.49760E+03	2.94690E-01	6.78380E-01	1.99910E-01	4.16310E-01
2.49770E+03	2.97810E-01	6.78330E-01	2.02010E-01	4.20690E-01
2.49780E+03	3.00930E-01	6.78270E-01	2.04120E-01	4.25070E-01
2.49790E+03	3.04060E-01	6.78220E-01	2.06220E-01	4.29460E-01
2.49800E+03	3.07200E-01	6.78170E-01	2.08330E-01	4.33850E-01
2.49810E+03	3.10330E-01	6.78170E-01	2.10460E-01	4.38280E-01
2.49820E+03	3.13470E-01	6.78170E-01	2.12590E-01	4.42710E-01
2.49830E+03	3.16610E-01	6.78170E-01	2.14710E-01	4.47140E-01
2.49840E+03	3.19750E-01	6.78170E-01	2.16840E-01	4.51570E-01
2.49850E+03	3.22880E-01	6.78170E-01	2.18970E-01	4.56000E-01
2.49860E+03	3.26020E-01	6.78170E-01	2.21090E-01	4.60430E-01
2.49870E+03	3.29150E-01	6.78060E-01	2.23180E-01	4.64780E-01
2.49880E+03	3.32280E-01	6.77950E-01	2.25270E-01	4.69130E-01
2.49890E+03	3.35400E-01	6.77850E-01	2.27350E-01	4.73470E-01
2.49900E+03	3.38530E-01	6.77740E-01	2.29430E-01	4.77800E-01
2.49910E+03	3.41650E-01	6.77630E-01	2.31510E-01	4.82120E-01
2.49920E+03	3.44760E-01	6.77530E-01	2.33590E-01	4.86440E-01
2.49930E+03	3.47870E-01	6.77420E-01	2.35660E-01	4.90760E-01
2.49940E+03	3.50980E-01	6.77310E-01	2.37730E-01	4.95070E-01
2.49950E+03	3.54090E-01	6.77210E-01	2.39790E-01	4.99370E-01
2.49960E+03	3.57190E-01	6.77100E-01	2.41860E-01	5.03670E-01
2.49970E+03	3.60300E-01	6.76990E-01	2.43920E-01	5.07970E-01
2.49980E+03	3.63400E-01	6.76890E-01	2.45980E-01	5.12260E-01
2.49990E+03	3.66500E-01	6.76780E-01	2.48040E-01	5.16550E-01
2.50000E+03	3.69610E-01	6.76680E-01	2.50110E-01	5.20850E-01
2.50010E+03	3.72710E-01	6.76530E-01	2.52150E-01	5.25110E-01
2.50020E+03	3.75820E-01	6.76390E-01	2.54200E-01	5.29380E-01
2.50030E+03	3.78930E-01	6.76250E-01	2.56250E-01	5.33640E-01
2.50040E+03	3.82040E-01	6.76110E-01	2.58300E-01	5.37910E-01
2.50050E+03	3.85150E-01	6.75970E-01	2.60350E-01	5.42180E-01

2.50060E+03	3.88270E-01	6.75820E-01	2.62400E-01	5.46450E-01
2.50070E+03	3.91380E-01	6.75680E-01	2.64450E-01	5.50720E-01
2.50080E+03	3.94500E-01	6.75540E-01	2.66500E-01	5.54980E-01
2.50090E+03	3.97610E-01	6.75520E-01	2.68590E-01	5.59350E-01
2.50100E+03	4.00720E-01	6.75500E-01	2.70690E-01	5.63710E-01
2.50110E+03	4.03830E-01	6.75480E-01	2.72780E-01	5.68070E-01
2.50120E+03	4.06930E-01	6.75460E-01	2.74870E-01	5.72420E-01
2.50130E+03	4.10030E-01	6.75440E-01	2.76950E-01	5.76760E-01
2.50140E+03	4.13120E-01	6.75420E-01	2.79030E-01	5.81080E-01
2.50150E+03	4.16200E-01	6.75400E-01	2.81100E-01	5.85390E-01
2.50160E+03	4.19260E-01	6.75380E-01	2.83160E-01	5.89690E-01
2.50170E+03	4.22320E-01	6.75340E-01	2.85210E-01	5.93950E-01
2.50180E+03	4.25350E-01	6.75310E-01	2.87240E-01	5.98180E-01
2.50190E+03	4.28370E-01	6.75270E-01	2.89260E-01	6.02400E-01
2.50200E+03	4.31370E-01	6.75230E-01	2.91270E-01	6.06580E-01
2.50210E+03	4.34350E-01	6.75190E-01	2.93270E-01	6.10740E-01
2.50220E+03	4.37300E-01	6.75160E-01	2.95250E-01	6.14860E-01
2.50230E+03	4.40240E-01	6.75120E-01	2.97210E-01	6.18950E-01
2.50240E+03	4.43150E-01	6.75080E-01	2.99160E-01	6.23010E-01
2.50250E+03	4.46040E-01	6.75050E-01	3.01100E-01	6.27040E-01
2.50260E+03	4.48900E-01	6.75010E-01	3.03010E-01	6.31030E-01
2.50270E+03	4.51740E-01	6.74970E-01	3.04910E-01	6.34990E-01
2.50280E+03	4.54560E-01	6.74940E-01	3.06800E-01	6.38910E-01
2.50290E+03	4.57350E-01	6.74900E-01	3.08670E-01	6.42810E-01
2.50300E+03	4.60130E-01	6.74870E-01	3.10520E-01	6.46670E-01
2.50310E+03	4.62880E-01	6.74870E-01	3.12380E-01	6.50540E-01
2.50320E+03	4.65620E-01	6.74870E-01	3.14230E-01	6.54390E-01
2.50330E+03	4.68340E-01	6.74870E-01	3.16060E-01	6.58210E-01
2.50340E+03	4.71040E-01	6.74870E-01	3.17890E-01	6.62010E-01
2.50350E+03	4.73730E-01	6.74870E-01	3.19700E-01	6.65790E-01
2.50360E+03	4.76400E-01	6.74870E-01	3.21510E-01	6.69550E-01
2.50370E+03	4.79070E-01	6.74870E-01	3.23310E-01	6.73300E-01
2.50380E+03	4.81730E-01	6.74870E-01	3.25100E-01	6.77030E-01
2.50390E+03	4.84370E-01	6.74880E-01	3.26890E-01	6.80760E-01
2.50400E+03	4.87020E-01	6.74880E-01	3.28680E-01	6.84470E-01
2.50410E+03	4.89650E-01	6.74880E-01	3.30450E-01	6.88170E-01
2.50420E+03	4.92280E-01	6.74870E-01	3.32230E-01	6.91870E-01
2.50430E+03	4.94910E-01	6.74870E-01	3.34000E-01	6.95560E-01
2.50440E+03	4.97530E-01	6.74870E-01	3.35770E-01	6.99250E-01
2.50450E+03	5.00160E-01	6.74870E-01	3.37540E-01	7.02930E-01
2.50460E+03	5.02770E-01	6.74870E-01	3.39300E-01	7.06610E-01
2.50470E+03	5.05390E-01	6.74860E-01	3.41070E-01	7.10280E-01
2.50480E+03	5.08000E-01	6.74860E-01	3.42830E-01	7.13940E-01

2.50490E+03	5.10600E-01	6.74860E-01	3.44580E-01	7.17600E-01
2.50500E+03	5.13200E-01	6.74860E-01	3.46340E-01	7.21250E-01
2.50510E+03	5.15790E-01	6.74900E-01	3.48110E-01	7.24940E-01
2.50520E+03	5.18380E-01	6.74940E-01	3.49870E-01	7.28620E-01
2.50530E+03	5.20960E-01	6.74900E-01	3.51600E-01	7.32200E-01
2.50540E+03	5.23540E-01	6.74860E-01	3.53310E-01	7.35780E-01
2.50550E+03	5.26100E-01	6.74820E-01	3.55020E-01	7.39330E-01
2.50560E+03	5.28650E-01	6.74780E-01	3.56720E-01	7.42880E-01
2.50570E+03	5.31200E-01	6.74740E-01	3.58420E-01	7.46410E-01
2.50580E+03	5.33730E-01	6.74700E-01	3.60110E-01	7.49930E-01
2.50590E+03	5.36260E-01	6.74660E-01	3.61790E-01	7.53430E-01
2.50600E+03	5.38770E-01	6.74620E-01	3.63470E-01	7.56920E-01
2.50610E+03	5.41280E-01	6.74670E-01	3.65180E-01	7.60490E-01
2.50620E+03	5.43770E-01	6.74720E-01	3.66890E-01	7.64060E-01
2.50630E+03	5.46260E-01	6.74770E-01	3.68600E-01	7.67620E-01
2.50640E+03	5.48740E-01	6.74830E-01	3.70300E-01	7.71160E-01
2.50650E+03	5.51210E-01	6.74880E-01	3.72000E-01	7.74700E-01
2.50660E+03	5.53670E-01	6.74930E-01	3.73690E-01	7.78220E-01
2.50670E+03	5.56130E-01	6.74990E-01	3.75380E-01	7.81740E-01
2.50680E+03	5.58590E-01	6.75040E-01	3.77070E-01	7.85260E-01
2.50690E+03	5.61040E-01	6.75100E-01	3.78760E-01	7.88760E-01
2.50700E+03	5.63490E-01	6.75150E-01	3.80440E-01	7.92270E-01
2.50710E+03	5.65940E-01	6.75200E-01	3.82120E-01	7.95770E-01
2.50720E+03	5.68380E-01	6.75240E-01	3.83800E-01	7.99260E-01
2.50730E+03	5.70830E-01	6.75290E-01	3.85470E-01	8.02750E-01
2.50740E+03	5.73270E-01	6.75330E-01	3.87150E-01	8.06240E-01
2.50750E+03	5.75710E-01	6.75400E-01	3.88830E-01	8.09750E-01
2.50760E+03	5.78150E-01	6.75470E-01	3.90520E-01	8.13260E-01
2.50770E+03	5.80590E-01	6.75530E-01	3.92200E-01	8.16770E-01
2.50780E+03	5.83020E-01	6.75600E-01	3.93890E-01	8.20270E-01
2.50790E+03	5.85450E-01	6.75660E-01	3.95560E-01	8.23770E-01
2.50800E+03	5.87870E-01	6.75730E-01	3.97240E-01	8.27250E-01
2.50810E+03	5.90280E-01	6.75720E-01	3.98860E-01	8.30640E-01
2.50820E+03	5.92680E-01	6.75680E-01	4.00460E-01	8.33970E-01
2.50830E+03	5.95070E-01	6.75640E-01	4.02050E-01	8.37280E-01
2.50840E+03	5.97440E-01	6.75600E-01	4.03630E-01	8.40570E-01
2.50850E+03	5.99790E-01	6.75560E-01	4.05200E-01	8.43830E-01
2.50860E+03	6.02130E-01	6.75520E-01	4.06750E-01	8.47060E-01
2.50870E+03	6.04440E-01	6.75480E-01	4.08290E-01	8.50260E-01
2.50880E+03	6.06720E-01	6.75440E-01	4.09810E-01	8.53430E-01
2.50890E+03	6.08980E-01	6.75400E-01	4.11310E-01	8.56550E-01
2.50900E+03	6.11210E-01	6.75360E-01	4.12790E-01	8.59640E-01
2.50910E+03	6.13410E-01	6.75320E-01	4.14250E-01	8.62670E-01

2.50920E+03	6.15580E-01	6.75270E-01	4.15680E-01	8.65660E-01
2.50930E+03	6.17710E-01	6.75230E-01	4.17100E-01	8.68610E-01
2.50940E+03	6.19810E-01	6.75190E-01	4.18490E-01	8.71500E-01
2.50950E+03	6.21870E-01	6.75150E-01	4.19850E-01	8.74350E-01
2.50960E+03	6.23900E-01	6.75100E-01	4.21200E-01	8.77150E-01
2.50970E+03	6.25900E-01	6.75040E-01	4.22510E-01	8.79880E-01
2.50980E+03	6.27860E-01	6.74990E-01	4.23800E-01	8.82560E-01
2.50990E+03	6.29790E-01	6.74930E-01	4.25060E-01	8.85200E-01
2.51000E+03	6.31690E-01	6.74860E-01	4.26310E-01	8.87790E-01
2.51010E+03	6.33570E-01	6.74750E-01	4.27500E-01	8.90280E-01
2.51020E+03	6.35420E-01	6.74640E-01	4.28680E-01	8.92730E-01
2.51030E+03	6.37240E-01	6.74530E-01	4.29840E-01	8.95140E-01
2.51040E+03	6.39050E-01	6.74420E-01	4.30990E-01	8.97530E-01
2.51050E+03	6.40830E-01	6.74310E-01	4.32120E-01	8.99890E-01
2.51060E+03	6.42600E-01	6.74200E-01	4.33240E-01	9.02230E-01
2.51070E+03	6.44360E-01	6.74080E-01	4.34350E-01	9.04550E-01
2.51080E+03	6.46100E-01	6.73970E-01	4.35460E-01	9.06840E-01
2.51090E+03	6.47840E-01	6.73860E-01	4.36550E-01	9.09130E-01
2.51100E+03	6.49560E-01	6.73750E-01	4.37650E-01	9.11400E-01
2.51110E+03	6.51280E-01	6.73640E-01	4.38730E-01	9.13670E-01
2.51120E+03	6.53000E-01	6.73530E-01	4.39810E-01	9.15920E-01
2.51130E+03	6.54700E-01	6.73420E-01	4.40890E-01	9.18160E-01
2.51140E+03	6.56400E-01	6.73310E-01	4.41970E-01	9.20400E-01
2.51150E+03	6.58100E-01	6.73200E-01	4.43040E-01	9.22630E-01
2.51160E+03	6.59790E-01	6.73090E-01	4.44100E-01	9.24840E-01
2.51170E+03	6.61470E-01	6.72980E-01	4.45160E-01	9.27050E-01
2.51180E+03	6.63140E-01	6.72870E-01	4.46210E-01	9.29230E-01
2.51190E+03	6.64800E-01	6.72830E-01	4.47300E-01	9.31500E-01
2.51200E+03	6.66440E-01	6.72800E-01	4.48380E-01	9.33760E-01
2.51210E+03	6.68070E-01	6.72880E-01	4.49530E-01	9.36140E-01
2.51220E+03	6.69670E-01	6.72950E-01	4.50660E-01	9.38500E-01
2.51230E+03	6.71260E-01	6.73020E-01	4.51770E-01	9.40820E-01
2.51240E+03	6.72820E-01	6.73090E-01	4.52870E-01	9.43110E-01
2.51250E+03	6.74350E-01	6.73170E-01	4.53950E-01	9.45360E-01
2.51260E+03	6.75850E-01	6.73240E-01	4.55010E-01	9.47560E-01
2.51270E+03	6.77320E-01	6.73310E-01	4.56050E-01	9.49720E-01
2.51280E+03	6.78750E-01	6.73380E-01	4.57060E-01	9.51840E-01
2.51290E+03	6.80150E-01	6.73460E-01	4.58050E-01	9.53900E-01
2.51300E+03	6.81510E-01	6.73530E-01	4.59020E-01	9.55910E-01
2.51310E+03	6.82830E-01	6.73600E-01	4.59950E-01	9.57860E-01
2.51320E+03	6.84100E-01	6.73680E-01	4.60870E-01	9.59760E-01
2.51330E+03	6.85340E-01	6.73750E-01	4.61750E-01	9.61600E-01
2.51340E+03	6.86540E-01	6.73830E-01	4.62610E-01	9.63400E-01

2.51350E+03	6.87700E-01	6.73900E-01	4.63450E-01	9.65130E-01
2.51360E+03	6.88830E-01	6.73980E-01	4.64260E-01	9.66820E-01
2.51370E+03	6.89920E-01	6.74050E-01	4.65040E-01	9.68450E-01
2.51380E+03	6.90970E-01	6.74130E-01	4.65810E-01	9.70040E-01
2.51390E+03	6.92000E-01	6.74210E-01	4.66550E-01	9.71590E-01
2.51400E+03	6.92990E-01	6.74280E-01	4.67270E-01	9.73100E-01
2.51410E+03	6.93960E-01	6.74310E-01	4.67950E-01	9.74500E-01
2.51420E+03	6.94910E-01	6.74320E-01	4.68590E-01	9.75840E-01
2.51430E+03	6.95830E-01	6.74320E-01	4.69220E-01	9.77150E-01
2.51440E+03	6.96740E-01	6.74330E-01	4.69830E-01	9.78430E-01
2.51450E+03	6.97640E-01	6.74330E-01	4.70440E-01	9.79690E-01
2.51460E+03	6.98510E-01	6.74330E-01	4.71030E-01	9.80930E-01
2.51470E+03	6.99380E-01	6.74340E-01	4.71620E-01	9.82160E-01
2.51480E+03	7.00240E-01	6.74340E-01	4.72200E-01	9.83370E-01
2.51490E+03	7.01090E-01	6.74350E-01	4.72780E-01	9.84560E-01
2.51500E+03	7.01920E-01	6.74350E-01	4.73340E-01	9.85740E-01
2.51510E+03	7.02750E-01	6.74340E-01	4.73890E-01	9.86890E-01
2.51520E+03	7.03570E-01	6.74330E-01	4.74430E-01	9.88010E-01
2.51530E+03	7.04370E-01	6.74310E-01	4.74970E-01	9.89130E-01
2.51540E+03	7.05170E-01	6.74300E-01	4.75490E-01	9.90220E-01
2.51550E+03	7.05940E-01	6.74280E-01	4.76000E-01	9.91280E-01
2.51560E+03	7.06690E-01	6.74270E-01	4.76500E-01	9.92320E-01
2.51570E+03	7.07430E-01	6.74260E-01	4.76990E-01	9.93330E-01
2.51580E+03	7.08130E-01	6.74240E-01	4.77450E-01	9.94300E-01
2.51590E+03	7.08810E-01	6.74230E-01	4.77900E-01	9.95230E-01
2.51600E+03	7.09450E-01	6.74220E-01	4.78320E-01	9.96110E-01
2.51610E+03	7.10050E-01	6.74230E-01	4.78740E-01	9.96980E-01
2.51620E+03	7.10610E-01	6.74250E-01	4.79120E-01	9.97780E-01
2.51630E+03	7.11120E-01	6.74140E-01	4.79390E-01	9.98330E-01
2.51640E+03	7.11580E-01	6.74030E-01	4.79620E-01	9.98820E-01
2.51650E+03	7.11980E-01	6.73920E-01	4.79820E-01	9.99220E-01
2.51660E+03	7.12330E-01	6.73810E-01	4.79970E-01	9.99550E-01
2.51670E+03	7.12620E-01	6.73700E-01	4.80090E-01	9.99790E-01
2.51680E+03	7.12840E-01	6.73590E-01	4.80160E-01	9.99940E-01
2.51690E+03	7.13000E-01	6.73480E-01	4.80190E-01	1.00000E+00
2.51700E+03	7.13100E-01	6.73370E-01	4.80180E-01	9.99970E-01
2.51710E+03	7.13120E-01	6.73260E-01	4.80120E-01	9.99850E-01
2.51720E+03	7.13090E-01	6.73150E-01	4.80020E-01	9.99640E-01
2.51730E+03	7.12990E-01	6.73050E-01	4.79870E-01	9.99340E-01
2.51740E+03	7.12820E-01	6.72940E-01	4.79690E-01	9.98960E-01
2.51750E+03	7.12600E-01	6.72830E-01	4.79460E-01	9.98480E-01
2.51760E+03	7.12320E-01	6.72730E-01	4.79190E-01	9.97930E-01
2.51770E+03	7.11980E-01	6.72620E-01	4.78890E-01	9.97300E-01

2.51780E+03	7.11590E-01	6.72510E-01	4.78560E-01	9.96600E-01
2.51790E+03	7.11160E-01	6.72410E-01	4.78190E-01	9.95830E-01
2.51800E+03	7.10680E-01	6.72300E-01	4.77790E-01	9.95010E-01
2.51810E+03	7.10170E-01	6.72290E-01	4.77440E-01	9.94270E-01
2.51820E+03	7.09620E-01	6.72280E-01	4.77060E-01	9.93480E-01
2.51830E+03	7.09030E-01	6.72270E-01	4.76660E-01	9.92650E-01
2.51840E+03	7.08430E-01	6.72250E-01	4.76240E-01	9.91780E-01
2.51850E+03	7.07800E-01	6.72170E-01	4.75760E-01	9.90770E-01
2.51860E+03	7.07150E-01	6.72080E-01	4.75260E-01	9.89740E-01
2.51870E+03	7.06480E-01	6.72000E-01	4.74760E-01	9.88680E-01
2.51880E+03	7.05800E-01	6.71910E-01	4.74240E-01	9.87610E-01
2.51890E+03	7.05110E-01	6.71830E-01	4.73720E-01	9.86520E-01
2.51900E+03	7.04410E-01	6.71740E-01	4.73190E-01	9.85410E-01
2.51910E+03	7.03700E-01	6.71660E-01	4.72650E-01	9.84300E-01
2.51920E+03	7.02980E-01	6.71580E-01	4.72110E-01	9.83180E-01
2.51930E+03	7.02260E-01	6.71500E-01	4.71560E-01	9.82040E-01
2.51940E+03	7.01520E-01	6.71410E-01	4.71010E-01	9.80880E-01
2.51950E+03	7.00770E-01	6.71330E-01	4.70450E-01	9.79720E-01
2.51960E+03	7.00010E-01	6.71250E-01	4.69880E-01	9.78530E-01
2.51970E+03	6.99230E-01	6.71170E-01	4.69300E-01	9.77320E-01
2.51980E+03	6.98430E-01	6.71080E-01	4.68710E-01	9.76090E-01
2.51990E+03	6.97620E-01	6.71000E-01	4.68100E-01	9.74830E-01
2.52000E+03	6.96780E-01	6.70900E-01	4.67470E-01	9.73510E-01
2.52010E+03	6.95910E-01	6.70750E-01	4.66780E-01	9.72080E-01
2.52020E+03	6.95010E-01	6.70600E-01	4.66070E-01	9.70600E-01
2.52030E+03	6.94080E-01	6.70450E-01	4.65340E-01	9.69080E-01
2.52040E+03	6.93110E-01	6.70300E-01	4.64590E-01	9.67510E-01
2.52050E+03	6.92100E-01	6.70140E-01	4.63810E-01	9.65880E-01
2.52060E+03	6.91050E-01	6.69990E-01	4.63000E-01	9.64200E-01
2.52070E+03	6.89960E-01	6.69880E-01	4.62190E-01	9.62520E-01
2.52080E+03	6.88820E-01	6.69770E-01	4.61350E-01	9.60770E-01
2.52090E+03	6.87630E-01	6.69660E-01	4.60480E-01	9.58950E-01
2.52100E+03	6.86400E-01	6.69550E-01	4.59580E-01	9.57070E-01
2.52110E+03	6.85110E-01	6.69440E-01	4.58640E-01	9.55120E-01
2.52120E+03	6.83780E-01	6.69320E-01	4.57670E-01	9.53100E-01
2.52130E+03	6.82400E-01	6.69210E-01	4.56660E-01	9.51010E-01
2.52140E+03	6.80970E-01	6.69090E-01	4.55630E-01	9.48860E-01
2.52150E+03	6.79490E-01	6.68980E-01	4.54570E-01	9.46640E-01
2.52160E+03	6.77970E-01	6.68860E-01	4.53470E-01	9.44360E-01
2.52170E+03	6.76410E-01	6.68750E-01	4.52350E-01	9.42020E-01
2.52180E+03	6.74800E-01	6.68630E-01	4.51200E-01	9.39620E-01
2.52190E+03	6.73160E-01	6.68520E-01	4.50020E-01	9.37170E-01
2.52200E+03	6.71470E-01	6.68410E-01	4.48820E-01	9.34670E-01

2.52210E+03	6.69760E-01	6.68300E-01	4.47600E-01	9.32130E-01
2.52220E+03	6.68010E-01	6.68190E-01	4.46360E-01	9.29550E-01
2.52230E+03	6.66230E-01	6.68080E-01	4.45100E-01	9.26920E-01
2.52240E+03	6.64430E-01	6.67980E-01	4.43820E-01	9.24260E-01
2.52250E+03	6.62590E-01	6.67870E-01	4.42530E-01	9.21570E-01
2.52260E+03	6.60740E-01	6.67760E-01	4.41220E-01	9.18840E-01
2.52270E+03	6.58860E-01	6.67660E-01	4.39890E-01	9.16080E-01
2.52280E+03	6.56960E-01	6.67550E-01	4.38560E-01	9.13300E-01
2.52290E+03	6.55040E-01	6.67530E-01	4.37260E-01	9.10610E-01
2.52300E+03	6.53100E-01	6.67520E-01	4.35960E-01	9.07890E-01
2.52310E+03	6.51140E-01	6.67500E-01	4.34640E-01	9.05140E-01
2.52320E+03	6.49170E-01	6.67480E-01	4.33310E-01	9.02370E-01
2.52330E+03	6.47170E-01	6.67470E-01	4.31960E-01	8.99570E-01
2.52340E+03	6.45150E-01	6.67450E-01	4.30600E-01	8.96740E-01
2.52350E+03	6.43110E-01	6.67430E-01	4.29230E-01	8.93880E-01
2.52360E+03	6.41050E-01	6.67410E-01	4.27850E-01	8.90990E-01
2.52370E+03	6.38970E-01	6.67400E-01	4.26440E-01	8.88070E-01
2.52380E+03	6.36860E-01	6.67380E-01	4.25030E-01	8.85120E-01
2.52390E+03	6.34720E-01	6.67360E-01	4.23590E-01	8.82130E-01
2.52400E+03	6.32560E-01	6.67350E-01	4.22140E-01	8.79120E-01
2.52410E+03	6.30380E-01	6.67370E-01	4.20690E-01	8.76100E-01
2.52420E+03	6.28160E-01	6.67380E-01	4.19220E-01	8.73040E-01
2.52430E+03	6.25910E-01	6.67400E-01	4.17730E-01	8.69940E-01
2.52440E+03	6.23640E-01	6.67410E-01	4.16220E-01	8.66790E-01
2.52450E+03	6.21330E-01	6.67430E-01	4.14690E-01	8.63600E-01
2.52460E+03	6.18990E-01	6.67450E-01	4.13140E-01	8.60370E-01
2.52470E+03	6.16610E-01	6.67460E-01	4.11570E-01	8.57090E-01
2.52480E+03	6.14210E-01	6.67480E-01	4.09970E-01	8.53760E-01
2.52490E+03	6.11770E-01	6.67490E-01	4.08350E-01	8.50390E-01
2.52500E+03	6.09290E-01	6.67510E-01	4.06710E-01	8.46970E-01
2.52510E+03	6.06780E-01	6.67560E-01	4.05070E-01	8.43550E-01
2.52520E+03	6.04240E-01	6.67620E-01	4.03400E-01	8.40090E-01
2.52530E+03	6.01670E-01	6.67670E-01	4.01720E-01	8.36580E-01
2.52540E+03	5.99070E-01	6.67720E-01	4.00010E-01	8.33030E-01
2.52550E+03	5.96430E-01	6.67810E-01	3.98300E-01	8.29460E-01
2.52560E+03	5.93760E-01	6.67930E-01	3.96590E-01	8.25900E-01
2.52570E+03	5.91060E-01	6.68060E-01	3.94860E-01	8.22300E-01
2.52580E+03	5.88330E-01	6.68180E-01	3.93110E-01	8.18650E-01
2.52590E+03	5.85570E-01	6.68300E-01	3.91340E-01	8.14960E-01
2.52600E+03	5.82770E-01	6.68430E-01	3.89540E-01	8.11230E-01
2.52610E+03	5.79950E-01	6.68550E-01	3.87730E-01	8.07440E-01
2.52620E+03	5.77090E-01	6.68680E-01	3.85890E-01	8.03610E-01
2.52630E+03	5.74200E-01	6.68800E-01	3.84030E-01	7.99740E-01

2.52640E+03	5.71280E-01	6.68930E-01	3.82140E-01	7.95820E-01
2.52650E+03	5.68320E-01	6.69050E-01	3.80240E-01	7.91850E-01
2.52660E+03	5.65330E-01	6.69180E-01	3.78310E-01	7.87830E-01
2.52670E+03	5.62310E-01	6.69300E-01	3.76350E-01	7.83760E-01
2.52680E+03	5.59250E-01	6.69430E-01	3.74380E-01	7.79640E-01
2.52690E+03	5.56150E-01	6.69550E-01	3.72370E-01	7.75470E-01
2.52700E+03	5.53010E-01	6.69670E-01	3.70340E-01	7.71240E-01
2.52710E+03	5.49840E-01	6.69810E-01	3.68280E-01	7.66960E-01
2.52720E+03	5.46620E-01	6.69940E-01	3.66200E-01	7.62620E-01
2.52730E+03	5.43360E-01	6.69980E-01	3.64040E-01	7.58120E-01
2.52740E+03	5.40060E-01	6.70030E-01	3.61860E-01	7.53570E-01
2.52750E+03	5.36710E-01	6.70080E-01	3.59640E-01	7.48950E-01
2.52760E+03	5.33330E-01	6.70120E-01	3.57400E-01	7.44280E-01
2.52770E+03	5.29900E-01	6.70170E-01	3.55120E-01	7.39540E-01
2.52780E+03	5.26420E-01	6.70210E-01	3.52820E-01	7.34740E-01
2.52790E+03	5.22910E-01	6.70260E-01	3.50480E-01	7.29890E-01
2.52800E+03	5.19350E-01	6.70310E-01	3.48120E-01	7.24970E-01
2.52810E+03	5.15750E-01	6.70410E-01	3.45760E-01	7.20060E-01
2.52820E+03	5.12110E-01	6.70520E-01	3.43380E-01	7.15090E-01
2.52830E+03	5.08430E-01	6.70620E-01	3.40970E-01	7.10070E-01
2.52840E+03	5.04720E-01	6.70730E-01	3.38530E-01	7.04990E-01
2.52850E+03	5.00970E-01	6.70830E-01	3.36070E-01	6.99870E-01
2.52860E+03	4.97200E-01	6.70940E-01	3.33590E-01	6.94700E-01
2.52870E+03	4.93390E-01	6.71040E-01	3.31090E-01	6.89490E-01
2.52880E+03	4.89560E-01	6.71150E-01	3.28570E-01	6.84240E-01
2.52890E+03	4.85700E-01	6.71250E-01	3.26030E-01	6.78960E-01
2.52900E+03	4.81820E-01	6.71360E-01	3.23480E-01	6.73640E-01
2.52910E+03	4.77930E-01	6.71460E-01	3.20910E-01	6.68300E-01
2.52920E+03	4.74020E-01	6.71560E-01	3.18330E-01	6.62930E-01
2.52930E+03	4.70100E-01	6.71660E-01	3.15750E-01	6.57540E-01
2.52940E+03	4.66160E-01	6.71770E-01	3.13150E-01	6.52140E-01
2.52950E+03	4.62220E-01	6.71800E-01	3.10520E-01	6.46650E-01
2.52960E+03	4.58260E-01	6.71830E-01	3.07880E-01	6.41150E-01
2.52970E+03	4.54310E-01	6.71860E-01	3.05230E-01	6.35650E-01
2.52980E+03	4.50340E-01	6.71890E-01	3.02580E-01	6.30130E-01
2.52990E+03	4.46380E-01	6.71930E-01	2.99930E-01	6.24610E-01
2.53000E+03	4.42400E-01	6.71960E-01	2.97280E-01	6.19080E-01
2.53010E+03	4.38430E-01	6.71980E-01	2.94610E-01	6.13540E-01
2.53020E+03	4.34450E-01	6.72000E-01	2.91950E-01	6.07990E-01
2.53030E+03	4.30460E-01	6.72020E-01	2.89280E-01	6.02430E-01
2.53040E+03	4.26470E-01	6.72040E-01	2.86610E-01	5.96860E-01
2.53050E+03	4.22470E-01	6.72070E-01	2.83930E-01	5.91290E-01
2.53060E+03	4.18470E-01	6.72090E-01	2.81250E-01	5.85700E-01

2.53070E+03	4.14450E-01	6.72110E-01	2.78560E-01	5.80100E-01
2.53080E+03	4.10430E-01	6.72130E-01	2.75860E-01	5.74480E-01
2.53090E+03	4.06390E-01	6.72160E-01	2.73150E-01	5.68850E-01
2.53100E+03	4.02330E-01	6.72180E-01	2.70440E-01	5.63190E-01
2.53110E+03	3.98270E-01	6.72200E-01	2.67710E-01	5.57520E-01
2.53120E+03	3.94180E-01	6.72220E-01	2.64980E-01	5.51820E-01
2.53130E+03	3.90080E-01	6.72240E-01	2.62230E-01	5.46100E-01
2.53140E+03	3.85970E-01	6.72270E-01	2.59470E-01	5.40360E-01
2.53150E+03	3.81840E-01	6.72290E-01	2.56700E-01	5.34590E-01
2.53160E+03	3.77690E-01	6.72310E-01	2.53920E-01	5.28800E-01
2.53170E+03	3.73520E-01	6.72350E-01	2.51140E-01	5.23000E-01
2.53180E+03	3.69340E-01	6.72390E-01	2.48340E-01	5.17170E-01
2.53190E+03	3.65150E-01	6.72430E-01	2.45540E-01	5.11330E-01
2.53200E+03	3.60940E-01	6.72470E-01	2.42720E-01	5.05480E-01
2.53210E+03	3.56730E-01	6.72480E-01	2.39890E-01	4.99580E-01
2.53220E+03	3.52510E-01	6.72480E-01	2.37050E-01	4.93660E-01
2.53230E+03	3.48280E-01	6.72410E-01	2.34190E-01	4.87700E-01
2.53240E+03	3.44060E-01	6.72350E-01	2.31330E-01	4.81740E-01
2.53250E+03	3.39830E-01	6.72280E-01	2.28460E-01	4.75780E-01
2.53260E+03	3.35620E-01	6.72220E-01	2.25610E-01	4.69830E-01
2.53270E+03	3.31410E-01	6.72150E-01	2.22760E-01	4.63900E-01
2.53280E+03	3.27220E-01	6.72090E-01	2.19920E-01	4.57990E-01
2.53290E+03	3.23040E-01	6.72020E-01	2.17090E-01	4.52100E-01
2.53300E+03	3.18890E-01	6.71960E-01	2.14280E-01	4.46240E-01
2.53310E+03	3.14750E-01	6.71900E-01	2.11480E-01	4.40420E-01
2.53320E+03	3.10650E-01	6.71840E-01	2.08710E-01	4.34630E-01
2.53330E+03	3.06570E-01	6.71780E-01	2.05950E-01	4.28890E-01
2.53340E+03	3.02520E-01	6.71720E-01	2.03210E-01	4.23190E-01
2.53350E+03	2.98510E-01	6.71660E-01	2.00490E-01	4.17530E-01
2.53360E+03	2.94530E-01	6.71600E-01	1.97800E-01	4.11930E-01
2.53370E+03	2.90580E-01	6.71540E-01	1.95130E-01	4.06370E-01
2.53380E+03	2.86670E-01	6.71470E-01	1.92490E-01	4.00860E-01
2.53390E+03	2.82790E-01	6.71460E-01	1.89880E-01	3.95430E-01
2.53400E+03	2.78950E-01	6.71440E-01	1.87300E-01	3.90050E-01
2.53410E+03	2.75140E-01	6.71390E-01	1.84720E-01	3.84690E-01
2.53420E+03	2.71360E-01	6.71330E-01	1.82170E-01	3.79370E-01
2.53430E+03	2.67610E-01	6.71270E-01	1.79640E-01	3.74100E-01
2.53440E+03	2.63890E-01	6.71210E-01	1.77120E-01	3.68860E-01
2.53450E+03	2.60190E-01	6.71150E-01	1.74630E-01	3.63660E-01
2.53460E+03	2.56520E-01	6.71090E-01	1.72140E-01	3.58490E-01
2.53470E+03	2.52860E-01	6.71030E-01	1.69680E-01	3.53350E-01
2.53480E+03	2.49230E-01	6.70960E-01	1.67220E-01	3.48240E-01
2.53490E+03	2.45600E-01	6.70900E-01	1.64780E-01	3.43150E-01

2.53500E+03	2.42000E-01	6.70840E-01	1.62340E-01	3.38080E-01
2.53510E+03	2.38400E-01	6.70760E-01	1.59910E-01	3.33010E-01
2.53520E+03	2.34810E-01	6.70670E-01	1.57480E-01	3.27960E-01
2.53530E+03	2.31230E-01	6.70590E-01	1.55060E-01	3.22920E-01
2.53540E+03	2.27660E-01	6.70510E-01	1.52640E-01	3.17880E-01
2.53550E+03	2.24090E-01	6.70420E-01	1.50230E-01	3.12860E-01
2.53560E+03	2.20530E-01	6.70340E-01	1.47830E-01	3.07850E-01
2.53570E+03	2.16970E-01	6.70250E-01	1.45430E-01	3.02850E-01
2.53580E+03	2.13430E-01	6.70170E-01	1.43030E-01	2.97870E-01
2.53590E+03	2.09890E-01	6.70090E-01	1.40640E-01	2.92890E-01
2.53600E+03	2.06370E-01	6.70000E-01	1.38270E-01	2.87940E-01
2.53610E+03	2.02860E-01	6.70060E-01	1.35930E-01	2.83070E-01
2.53620E+03	1.99360E-01	6.70120E-01	1.33600E-01	2.78220E-01
2.53630E+03	1.95890E-01	6.70180E-01	1.31280E-01	2.73390E-01
2.53640E+03	1.92440E-01	6.70240E-01	1.28980E-01	2.68610E-01
2.53650E+03	1.89020E-01	6.70300E-01	1.26700E-01	2.63860E-01
2.53660E+03	1.85640E-01	6.70360E-01	1.24440E-01	2.59150E-01
2.53670E+03	1.82280E-01	6.70420E-01	1.22210E-01	2.54500E-01
2.53680E+03	1.78980E-01	6.70480E-01	1.20000E-01	2.49900E-01
2.53690E+03	1.75710E-01	6.70540E-01	1.17820E-01	2.45370E-01
2.53700E+03	1.72500E-01	6.70590E-01	1.15680E-01	2.40900E-01
2.53710E+03	1.69340E-01	6.70660E-01	1.13570E-01	2.36510E-01
2.53720E+03	1.66230E-01	6.70720E-01	1.11500E-01	2.32190E-01
2.53730E+03	1.63190E-01	6.70780E-01	1.09470E-01	2.27970E-01
2.53740E+03	1.60210E-01	6.70850E-01	1.07480E-01	2.23820E-01
2.53750E+03	1.57300E-01	6.70910E-01	1.05530E-01	2.19770E-01
2.53760E+03	1.54450E-01	6.70980E-01	1.03630E-01	2.15810E-01
2.53770E+03	1.51670E-01	6.71040E-01	1.01780E-01	2.11950E-01
2.53780E+03	1.48960E-01	6.71100E-01	9.99660E-02	2.08180E-01
2.53790E+03	1.46310E-01	6.71170E-01	9.82020E-02	2.04510E-01
2.53800E+03	1.43740E-01	6.71230E-01	9.64820E-02	2.00930E-01
2.53810E+03	1.41230E-01	6.71330E-01	9.48130E-02	1.97450E-01
2.53820E+03	1.38790E-01	6.71440E-01	9.31880E-02	1.94070E-01
2.53830E+03	1.36410E-01	6.71480E-01	9.15960E-02	1.90750E-01
2.53840E+03	1.34090E-01	6.71520E-01	9.00440E-02	1.87520E-01
2.53850E+03	1.31830E-01	6.71560E-01	8.85310E-02	1.84370E-01
2.53860E+03	1.29620E-01	6.71600E-01	8.70530E-02	1.81290E-01
2.53870E+03	1.27460E-01	6.71630E-01	8.56090E-02	1.78280E-01
2.53880E+03	1.25350E-01	6.71670E-01	8.41960E-02	1.75340E-01
2.53890E+03	1.23280E-01	6.71710E-01	8.28110E-02	1.72450E-01
2.53900E+03	1.21250E-01	6.71750E-01	8.14520E-02	1.69620E-01
2.53910E+03	1.19260E-01	6.71790E-01	8.01170E-02	1.66840E-01
2.53920E+03	1.17290E-01	6.71830E-01	7.88010E-02	1.64100E-01

2.53930E+03	1.15350E-01	6.71870E-01	7.75040E-02	1.61400E-01
2.53940E+03	1.13440E-01	6.71910E-01	7.62220E-02	1.58730E-01
2.53950E+03	1.11550E-01	6.71950E-01	7.49540E-02	1.56090E-01
2.53960E+03	1.09670E-01	6.71990E-01	7.36980E-02	1.53480E-01
2.53970E+03	1.07810E-01	6.72030E-01	7.24520E-02	1.50880E-01
2.53980E+03	1.05960E-01	6.72070E-01	7.12140E-02	1.48300E-01
2.53990E+03	1.04130E-01	6.72110E-01	6.99840E-02	1.45740E-01
2.54000E+03	1.02300E-01	6.72150E-01	6.87600E-02	1.43190E-01
2.54010E+03	1.00480E-01	6.72120E-01	6.75350E-02	1.40640E-01
2.54020E+03	9.86730E-02	6.72080E-01	6.63160E-02	1.38100E-01
2.54030E+03	9.68740E-02	6.72040E-01	6.51030E-02	1.35580E-01
2.54040E+03	9.50850E-02	6.72000E-01	6.38970E-02	1.33070E-01
2.54050E+03	9.33060E-02	6.71870E-01	6.26900E-02	1.30550E-01
2.54060E+03	9.15390E-02	6.71740E-01	6.14910E-02	1.28060E-01
2.54070E+03	8.97860E-02	6.71610E-01	6.03010E-02	1.25580E-01
2.54080E+03	8.80470E-02	6.71480E-01	5.91220E-02	1.23120E-01
2.54090E+03	8.63250E-02	6.71350E-01	5.79550E-02	1.20690E-01
2.54100E+03	8.46220E-02	6.71220E-01	5.68000E-02	1.18290E-01
2.54110E+03	8.29410E-02	6.71100E-01	5.56610E-02	1.15910E-01
2.54120E+03	8.12820E-02	6.70970E-01	5.45380E-02	1.13580E-01
2.54130E+03	8.14990E-02	6.70840E-01	5.46730E-02	1.13860E-01
2.54140E+03	7.99890E-02	6.70710E-01	5.36490E-02	1.11730E-01
2.54150E+03	7.85030E-02	6.70580E-01	5.26430E-02	1.09630E-01
2.54160E+03	7.70430E-02	6.70460E-01	5.16540E-02	1.07570E-01
2.54170E+03	7.56080E-02	6.70340E-01	5.06830E-02	1.05550E-01
2.54180E+03	7.41980E-02	6.70210E-01	4.97290E-02	1.03560E-01
2.54190E+03	7.28140E-02	6.70090E-01	4.87920E-02	1.01610E-01
2.54200E+03	7.14560E-02	6.69970E-01	4.78730E-02	9.96960E-02
2.54210E+03	7.01230E-02	6.69820E-01	4.69700E-02	9.78150E-02
2.54220E+03	6.88160E-02	6.69660E-01	4.60840E-02	9.59700E-02
2.54230E+03	6.75350E-02	6.69500E-01	4.52150E-02	9.41610E-02
2.54240E+03	6.62800E-02	6.69350E-01	4.43640E-02	9.23890E-02
2.54250E+03	6.50500E-02	6.69190E-01	4.35310E-02	9.06540E-02
2.54260E+03	6.38460E-02	6.69040E-01	4.27150E-02	8.89550E-02
2.54270E+03	6.26680E-02	6.68900E-01	4.19180E-02	8.72950E-02
2.54280E+03	6.15140E-02	6.68760E-01	4.11380E-02	8.56710E-02
2.54290E+03	6.03860E-02	6.68620E-01	4.03750E-02	8.40820E-02
2.54300E+03	5.92820E-02	6.68480E-01	3.96290E-02	8.25280E-02
2.54310E+03	5.82030E-02	6.68340E-01	3.88990E-02	8.10090E-02
2.54320E+03	5.71470E-02	6.68200E-01	3.81860E-02	7.95220E-02
2.54330E+03	5.61150E-02	6.68060E-01	3.74880E-02	7.80700E-02
2.54340E+03	5.51060E-02	6.67910E-01	3.68060E-02	7.66490E-02
2.54350E+03	5.41190E-02	6.67770E-01	3.61390E-02	7.52600E-02

2.54360E+03	5.31540E-02	6.67630E-01	3.54870E-02	7.39020E-02
2.54370E+03	5.22100E-02	6.67480E-01	3.48490E-02	7.25740E-02
2.54380E+03	5.12860E-02	6.67340E-01	3.42250E-02	7.12750E-02
2.54390E+03	5.03830E-02	6.67200E-01	3.36150E-02	7.00040E-02
2.54400E+03	4.94980E-02	6.67050E-01	3.30180E-02	6.87600E-02
2.54410E+03	4.86330E-02	6.67010E-01	3.24380E-02	6.75530E-02
2.54420E+03	4.77850E-02	6.66980E-01	3.18720E-02	6.63730E-02
2.54430E+03	4.69550E-02	6.66950E-01	3.13160E-02	6.52170E-02
2.54440E+03	4.61410E-02	6.66920E-01	3.07720E-02	6.40840E-02
2.54450E+03	4.53440E-02	6.66890E-01	3.02390E-02	6.29730E-02
2.54460E+03	4.45620E-02	6.66860E-01	2.97170E-02	6.18850E-02
2.54470E+03	4.37960E-02	6.66830E-01	2.92040E-02	6.08180E-02
2.54480E+03	4.30440E-02	6.66800E-01	2.87010E-02	5.97710E-02
2.54490E+03	4.23060E-02	6.66780E-01	2.82090E-02	5.87460E-02
2.54500E+03	4.15820E-02	6.66770E-01	2.77260E-02	5.77400E-02
2.54510E+03	4.08720E-02	6.66780E-01	2.72530E-02	5.67540E-02
2.54520E+03	4.01750E-02	6.66780E-01	2.67880E-02	5.57860E-02
2.54530E+03	3.94900E-02	6.66790E-01	2.63320E-02	5.48360E-02
2.54540E+03	3.88190E-02	6.66790E-01	2.58840E-02	5.39040E-02
2.54550E+03	3.81590E-02	6.66800E-01	2.54440E-02	5.29880E-02
2.54560E+03	3.75120E-02	6.66800E-01	2.50130E-02	5.20900E-02
2.54570E+03	3.68760E-02	6.66810E-01	2.45890E-02	5.12070E-02
2.54580E+03	3.62520E-02	6.66820E-01	2.41730E-02	5.03410E-02
2.54590E+03	3.56390E-02	6.66820E-01	2.37650E-02	4.94900E-02
2.54600E+03	3.50370E-02	6.66830E-01	2.33640E-02	4.86550E-02
2.54610E+03	3.44470E-02	6.66860E-01	2.29710E-02	4.78380E-02
2.54620E+03	3.38670E-02	6.66900E-01	2.25860E-02	4.70360E-02
2.54630E+03	3.32980E-02	6.66940E-01	2.22080E-02	4.62480E-02
2.54640E+03	3.27390E-02	6.66980E-01	2.18370E-02	4.54750E-02
2.54650E+03	3.21910E-02	6.67020E-01	2.14720E-02	4.47160E-02
2.54660E+03	3.16520E-02	6.67060E-01	2.11140E-02	4.39700E-02
2.54670E+03	3.11230E-02	6.67100E-01	2.07630E-02	4.32380E-02
2.54680E+03	3.06040E-02	6.67140E-01	2.04170E-02	4.25190E-02
2.54690E+03	3.00940E-02	6.67180E-01	2.00780E-02	4.18130E-02
2.54700E+03	2.95930E-02	6.67230E-01	1.97450E-02	4.11190E-02
2.54710E+03	2.91000E-02	6.67220E-01	1.94160E-02	4.04340E-02
2.54720E+03	2.86160E-02	6.67220E-01	1.90930E-02	3.97620E-02
2.54730E+03	2.81400E-02	6.67210E-01	1.87760E-02	3.91000E-02
2.54740E+03	2.76720E-02	6.67210E-01	1.84630E-02	3.84500E-02
2.54750E+03	2.72120E-02	6.67200E-01	1.81560E-02	3.78100E-02
2.54760E+03	2.67600E-02	6.67200E-01	1.78540E-02	3.71820E-02
2.54770E+03	2.63150E-02	6.67190E-01	1.75570E-02	3.65630E-02
2.54780E+03	2.58770E-02	6.67190E-01	1.72650E-02	3.59540E-02

2.54790E+03	2.54460E-02	6.67180E-01	1.69770E-02	3.53550E-02
2.54800E+03	2.50220E-02	6.67180E-01	1.66940E-02	3.47660E-02
2.54810E+03	2.46060E-02	6.67130E-01	1.64150E-02	3.41850E-02
2.54820E+03	2.41960E-02	6.67060E-01	1.61400E-02	3.36120E-02
2.54830E+03	2.37920E-02	6.66990E-01	1.58690E-02	3.30480E-02
2.54840E+03	2.33960E-02	6.66920E-01	1.56030E-02	3.24940E-02
2.54850E+03	2.30070E-02	6.66850E-01	1.53420E-02	3.19500E-02
2.54860E+03	2.26240E-02	6.66780E-01	1.50850E-02	3.14150E-02
2.54870E+03	2.22490E-02	6.66710E-01	1.48330E-02	3.08910E-02
2.54880E+03	2.18800E-02	6.66640E-01	1.45860E-02	3.03760E-02
2.54890E+03	2.15190E-02	6.66570E-01	1.43440E-02	2.98720E-02
2.54900E+03	2.11650E-02	6.66500E-01	1.41070E-02	2.93770E-02
2.54910E+03	2.08190E-02	6.66430E-01	1.38740E-02	2.88940E-02
2.54920E+03	2.04800E-02	6.66360E-01	1.36470E-02	2.84200E-02
2.54930E+03	2.01490E-02	6.66300E-01	1.34250E-02	2.79590E-02
2.54940E+03	1.98250E-02	6.66250E-01	1.32090E-02	2.75070E-02
2.54950E+03	1.95100E-02	6.66200E-01	1.29970E-02	2.70670E-02
2.54960E+03	1.92020E-02	6.66150E-01	1.27910E-02	2.66380E-02
2.54970E+03	1.89010E-02	6.66100E-01	1.25900E-02	2.62190E-02
2.54980E+03	1.86090E-02	6.66050E-01	1.23940E-02	2.58110E-02
2.54990E+03	1.83240E-02	6.66000E-01	1.22030E-02	2.54140E-02
2.55000E+03	1.80460E-02	6.65950E-01	1.20180E-02	2.50270E-02
2.55010E+03	1.77760E-02	6.65910E-01	1.18370E-02	2.46510E-02
2.55020E+03	1.75130E-02	6.65880E-01	1.16610E-02	2.42850E-02
2.55030E+03	1.72560E-02	6.65840E-01	1.14900E-02	2.39280E-02
2.55040E+03	1.70070E-02	6.65810E-01	1.13230E-02	2.35810E-02
2.55050E+03	1.67640E-02	6.65770E-01	1.11610E-02	2.32420E-02
2.55060E+03	1.65260E-02	6.65740E-01	1.10020E-02	2.29120E-02
2.55070E+03	1.62950E-02	6.65700E-01	1.08480E-02	2.25900E-02
2.55080E+03	1.60690E-02	6.65670E-01	1.06970E-02	2.22760E-02
2.55090E+03	1.58480E-02	6.65630E-01	1.05490E-02	2.19680E-02
2.55100E+03	1.56320E-02	6.65600E-01	1.04040E-02	2.16670E-02
2.55110E+03	1.54190E-02	6.65560E-01	1.02630E-02	2.13720E-02
2.55120E+03	1.52110E-02	6.65530E-01	1.01240E-02	2.10820E-02
2.55130E+03	1.50070E-02	6.65500E-01	9.98710E-03	2.07980E-02
2.55140E+03	1.48060E-02	6.65470E-01	9.85280E-03	2.05190E-02
2.55150E+03	1.46080E-02	6.65490E-01	9.72150E-03	2.02450E-02
2.55160E+03	1.44130E-02	6.65510E-01	9.59210E-03	1.99760E-02
2.55170E+03	1.42210E-02	6.65530E-01	9.46450E-03	1.97100E-02
2.55180E+03	1.40310E-02	6.65550E-01	9.33870E-03	1.94480E-02
2.55190E+03	1.38440E-02	6.65580E-01	9.21450E-03	1.91890E-02
2.55200E+03	1.36600E-02	6.65600E-01	9.09200E-03	1.89340E-02
2.55210E+03	1.34780E-02	6.65680E-01	8.97190E-03	1.86840E-02

2.55220E+03	1.32980E-02	6.65760E-01	8.85340E-03	1.84370E-02
2.55230E+03	1.31210E-02	6.65840E-01	8.73670E-03	1.81940E-02
2.55240E+03	1.29470E-02	6.65910E-01	8.62170E-03	1.79550E-02
2.55250E+03	1.27760E-02	6.65990E-01	8.50860E-03	1.77190E-02
2.55260E+03	1.26070E-02	6.66070E-01	8.39750E-03	1.74880E-02
2.55270E+03	1.24420E-02	6.66150E-01	8.28850E-03	1.72610E-02
2.55280E+03	1.22810E-02	6.66230E-01	8.18170E-03	1.70390E-02
2.55290E+03	1.21230E-02	6.66300E-01	8.07730E-03	1.68210E-02
2.55300E+03	1.19680E-02	6.66370E-01	7.97540E-03	1.66090E-02
2.55310E+03	1.18180E-02	6.66440E-01	7.87610E-03	1.64020E-02
2.55320E+03	1.16720E-02	6.66510E-01	7.77970E-03	1.62010E-02
2.55330E+03	1.15310E-02	6.66580E-01	7.68630E-03	1.60070E-02
2.55340E+03	1.13940E-02	6.66650E-01	7.59580E-03	1.58180E-02
2.55350E+03	1.12620E-02	6.66720E-01	7.50850E-03	1.56370E-02
2.55360E+03	1.11340E-02	6.66790E-01	7.42430E-03	1.54610E-02
2.55370E+03	1.10120E-02	6.66850E-01	7.34330E-03	1.52920E-02
2.55380E+03	1.08940E-02	6.66910E-01	7.26550E-03	1.51300E-02
2.55390E+03	1.07810E-02	6.66980E-01	7.19090E-03	1.49750E-02
2.55400E+03	1.06730E-02	6.67040E-01	7.11950E-03	1.48270E-02
2.55410E+03	1.05700E-02	6.67080E-01	7.05110E-03	1.46840E-02
2.55420E+03	1.04720E-02	6.67110E-01	6.98570E-03	1.45480E-02
2.55430E+03	1.03770E-02	6.67150E-01	6.92320E-03	1.44180E-02
2.55440E+03	1.02880E-02	6.67180E-01	6.86370E-03	1.42940E-02
2.55450E+03	1.02020E-02	6.67220E-01	6.80680E-03	1.41750E-02
2.55460E+03	1.01200E-02	6.67250E-01	6.75250E-03	1.40620E-02
2.55470E+03	1.00420E-02	6.67290E-01	6.70070E-03	1.39540E-02
2.55480E+03	9.96690E-03	6.67320E-01	6.65110E-03	1.38510E-02
2.55490E+03	9.89530E-03	6.67360E-01	6.60370E-03	1.37520E-02
2.55500E+03	9.82660E-03	6.67390E-01	6.55820E-03	1.36570E-02
2.55510E+03	9.76060E-03	6.67410E-01	6.51430E-03	1.35660E-02
2.55520E+03	9.69700E-03	6.67440E-01	6.47210E-03	1.34780E-02
2.55530E+03	9.63570E-03	6.67460E-01	6.43140E-03	1.33940E-02
2.55540E+03	9.57650E-03	6.67480E-01	6.39210E-03	1.33120E-02
2.55550E+03	9.51910E-03	6.67510E-01	6.35400E-03	1.32320E-02
2.55560E+03	9.46340E-03	6.67530E-01	6.31710E-03	1.31550E-02
2.55570E+03	9.40920E-03	6.67550E-01	6.28110E-03	1.30810E-02
2.55580E+03	9.35650E-03	6.67570E-01	6.24610E-03	1.30080E-02
2.55590E+03	9.30490E-03	6.67590E-01	6.21190E-03	1.29360E-02
2.55600E+03	9.25450E-03	6.67600E-01	6.17830E-03	1.28660E-02
2.55610E+03	9.20510E-03	6.67520E-01	6.14460E-03	1.27960E-02
2.55620E+03	9.15650E-03	6.67440E-01	6.11140E-03	1.27270E-02
2.55630E+03	9.10870E-03	6.67360E-01	6.07880E-03	1.26590E-02
2.55640E+03	9.06150E-03	6.67280E-01	6.04660E-03	1.25920E-02

2.55650E+03	9.01470E-03	6.67210E-01	6.01470E-03	1.25260E-02
2.55660E+03	8.96830E-03	6.67130E-01	5.98300E-03	1.24600E-02
2.55670E+03	8.92190E-03	6.67050E-01	5.95130E-03	1.23940E-02
2.55680E+03	8.87540E-03	6.66970E-01	5.91960E-03	1.23280E-02
2.55690E+03	8.82860E-03	6.66890E-01	5.88770E-03	1.22610E-02
2.55700E+03	8.78110E-03	6.66810E-01	5.85530E-03	1.21940E-02
2.55710E+03	8.73270E-03	6.66740E-01	5.82240E-03	1.21250E-02
2.55720E+03	8.68300E-03	6.66660E-01	5.78860E-03	1.20550E-02
2.55730E+03	8.63170E-03	6.66580E-01	5.75370E-03	1.19820E-02
2.55740E+03	8.57830E-03	6.66500E-01	5.71750E-03	1.19070E-02
2.55750E+03	8.52260E-03	6.66430E-01	5.67970E-03	1.18280E-02
2.55760E+03	8.46410E-03	6.66350E-01	5.64000E-03	1.17450E-02
2.55770E+03	8.40230E-03	6.66270E-01	5.59820E-03	1.16580E-02
2.55780E+03	8.33680E-03	6.66190E-01	5.55390E-03	1.15660E-02
2.55790E+03	8.26710E-03	6.66120E-01	5.50690E-03	1.14680E-02
2.55800E+03	8.19290E-03	6.66040E-01	5.45680E-03	1.13640E-02
2.55810E+03	8.11380E-03	6.66120E-01	5.40470E-03	1.12550E-02
2.55820E+03	8.02940E-03	6.66190E-01	5.34910E-03	1.11400E-02
2.55830E+03	7.93930E-03	6.66270E-01	5.28970E-03	1.10160E-02
2.55840E+03	7.84330E-03	6.66350E-01	5.22630E-03	1.08840E-02
2.55850E+03	7.74110E-03	6.66420E-01	5.15880E-03	1.07430E-02
2.55860E+03	7.63260E-03	6.66500E-01	5.08710E-03	1.05940E-02
2.55870E+03	7.51770E-03	6.66580E-01	5.01110E-03	1.04360E-02
2.55880E+03	7.39650E-03	6.66650E-01	4.93090E-03	1.02690E-02
2.55890E+03	7.26880E-03	6.66730E-01	4.84630E-03	1.00930E-02
2.55900E+03	7.13500E-03	6.66800E-01	4.75770E-03	9.90790E-03
2.55910E+03	6.99530E-03	6.66890E-01	4.66500E-03	9.71500E-03
2.55920E+03	6.84990E-03	6.66970E-01	4.56860E-03	9.51420E-03
2.55930E+03	6.69930E-03	6.67050E-01	4.46870E-03	9.30610E-03
2.55940E+03	6.54390E-03	6.67130E-01	4.36560E-03	9.09150E-03
2.55950E+03	6.38450E-03	6.67210E-01	4.25970E-03	8.87090E-03
2.55960E+03	6.22140E-03	6.67290E-01	4.15150E-03	8.64550E-03
2.55970E+03	6.05560E-03	6.67370E-01	4.04130E-03	8.41600E-03
2.55980E+03	6.02980E-03	6.67450E-01	4.02460E-03	8.38130E-03
2.55990E+03	5.99040E-03	6.67530E-01	3.99870E-03	8.32740E-03
2.56000E+03	5.94510E-03	6.67620E-01	3.96910E-03	8.26560E-03
2.56010E+03	5.89040E-03	6.67740E-01	3.93330E-03	8.19110E-03
2.56020E+03	5.82290E-03	6.67870E-01	3.88890E-03	8.09880E-03
2.56030E+03	5.73950E-03	6.67980E-01	3.83390E-03	7.98410E-03
2.56040E+03	5.63750E-03	6.68090E-01	3.76640E-03	7.84350E-03
2.56050E+03	5.51490E-03	6.68200E-01	3.68510E-03	7.67420E-03
2.56060E+03	5.37010E-03	6.68310E-01	3.58890E-03	7.47400E-03
2.56070E+03	5.20240E-03	6.68430E-01	3.47740E-03	7.24170E-03

2.56080E+03	5.01150E-03	6.68540E-01	3.35040E-03	6.97720E-03
2.56090E+03	4.79820E-03	6.68650E-01	3.20830E-03	6.68130E-03
2.56100E+03	4.56380E-03	6.68760E-01	3.05210E-03	6.35600E-03
2.56110E+03	4.31040E-03	6.68870E-01	2.88310E-03	6.00410E-03
2.56120E+03	4.04090E-03	6.68980E-01	2.70320E-03	5.62950E-03
2.56130E+03	3.75850E-03	6.69090E-01	2.51480E-03	5.23710E-03
2.56140E+03	3.46750E-03	6.69190E-01	2.32040E-03	4.83230E-03
2.56150E+03	3.17210E-03	6.69300E-01	2.12310E-03	4.42140E-03
2.56160E+03	2.87730E-03	6.69410E-01	1.92610E-03	4.01100E-03
2.56170E+03	2.56710E-03	6.69520E-01	1.71880E-03	3.57930E-03
2.56180E+03	2.05710E-03	6.69630E-01	1.37750E-03	2.86860E-03
2.56190E+03	1.54710E-03	6.69730E-01	1.03610E-03	2.15770E-03
2.56200E+03	1.03800E-03	6.69840E-01	6.95290E-04	1.44790E-03
2.56210E+03	0.00000E+00	6.69830E-01	0.00000E+00	0.00000E+00
Channel 19				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.54960E+03	0.00000E+00	6.66150E-01	0.00000E+00	0.00000E+00
2.54980E+03	9.74870E-04	6.66050E-01	6.49310E-04	1.25660E-03
2.55000E+03	9.40840E-04	6.65950E-01	6.26550E-04	1.21250E-03
2.55020E+03	9.14940E-04	6.65880E-01	6.09240E-04	1.17900E-03
2.55040E+03	8.96950E-04	6.65810E-01	5.97200E-04	1.15570E-03
2.55060E+03	8.86390E-04	6.65740E-01	5.90100E-04	1.14200E-03
2.55080E+03	8.82720E-04	6.65670E-01	5.87600E-04	1.13710E-03
2.55100E+03	8.85240E-04	6.65600E-01	5.89210E-04	1.14030E-03
2.55120E+03	8.93260E-04	6.65530E-01	5.94490E-04	1.15050E-03
2.55140E+03	9.05970E-04	6.65470E-01	6.02890E-04	1.16670E-03
2.55160E+03	9.22670E-04	6.65510E-01	6.14050E-04	1.18830E-03
2.55180E+03	9.42610E-04	6.65550E-01	6.27360E-04	1.21410E-03
2.55200E+03	9.65180E-04	6.65600E-01	6.42420E-04	1.24320E-03
2.55220E+03	9.89720E-04	6.65760E-01	6.58920E-04	1.27510E-03
2.55240E+03	1.01570E-03	6.65910E-01	6.76390E-04	1.30900E-03
2.55260E+03	1.04260E-03	6.66070E-01	6.94480E-04	1.34400E-03
2.55280E+03	1.09180E-03	6.66230E-01	7.27370E-04	1.40760E-03
2.55300E+03	1.10420E-03	6.66370E-01	7.35820E-04	1.42400E-03
2.55320E+03	1.11810E-03	6.66510E-01	7.45230E-04	1.44220E-03
2.55340E+03	1.13320E-03	6.66650E-01	7.55440E-04	1.46190E-03
2.55360E+03	1.14930E-03	6.66790E-01	7.66350E-04	1.48310E-03
2.55380E+03	1.16630E-03	6.66910E-01	7.77840E-04	1.50530E-03
2.55400E+03	1.18410E-03	6.67040E-01	7.89850E-04	1.52850E-03
2.55420E+03	1.20270E-03	6.67110E-01	8.02300E-04	1.55260E-03

2.55440E+03	1.22190E-03	6.67180E-01	8.15230E-04	1.57760E-03
2.55460E+03	1.24190E-03	6.67250E-01	8.28670E-04	1.60360E-03
2.55480E+03	1.26270E-03	6.67320E-01	8.42650E-04	1.63070E-03
2.55500E+03	1.28450E-03	6.67390E-01	8.57280E-04	1.65900E-03
2.55520E+03	1.30740E-03	6.67440E-01	8.72590E-04	1.68870E-03
2.55540E+03	1.33150E-03	6.67480E-01	8.88750E-04	1.71990E-03
2.55560E+03	1.35710E-03	6.67530E-01	9.05870E-04	1.75310E-03
2.55580E+03	1.38430E-03	6.67570E-01	9.24110E-04	1.78830E-03
2.55600E+03	1.41340E-03	6.67600E-01	9.43570E-04	1.82600E-03
2.55620E+03	1.44460E-03	6.67440E-01	9.64190E-04	1.86590E-03
2.55640E+03	1.47820E-03	6.67280E-01	9.86380E-04	1.90890E-03
2.55660E+03	1.51440E-03	6.67130E-01	1.01030E-03	1.95510E-03
2.55680E+03	1.55340E-03	6.66970E-01	1.03610E-03	2.00500E-03
2.55700E+03	1.59550E-03	6.66810E-01	1.06390E-03	2.05890E-03
2.55720E+03	1.64090E-03	6.66660E-01	1.09390E-03	2.11690E-03
2.55740E+03	1.68970E-03	6.66500E-01	1.12620E-03	2.17940E-03
2.55760E+03	1.74220E-03	6.66350E-01	1.16090E-03	2.24660E-03
2.55780E+03	1.79840E-03	6.66190E-01	1.19810E-03	2.31860E-03
2.55800E+03	1.85850E-03	6.66040E-01	1.23790E-03	2.39550E-03
2.55820E+03	1.92260E-03	6.66190E-01	1.28080E-03	2.47870E-03
2.55840E+03	1.99060E-03	6.66350E-01	1.32640E-03	2.56700E-03
2.55860E+03	2.06260E-03	6.66500E-01	1.37470E-03	2.66030E-03
2.55880E+03	2.13830E-03	6.66650E-01	1.42550E-03	2.75870E-03
2.55900E+03	2.21780E-03	6.66800E-01	1.47890E-03	2.86190E-03
2.55920E+03	2.30080E-03	6.66970E-01	1.53460E-03	2.96970E-03
2.55940E+03	2.38700E-03	6.67130E-01	1.59240E-03	3.08170E-03
2.55960E+03	2.47610E-03	6.67290E-01	1.65230E-03	3.19760E-03
2.55980E+03	2.56790E-03	6.67450E-01	1.71390E-03	3.31680E-03
2.56000E+03	2.66170E-03	6.67620E-01	1.77700E-03	3.43890E-03
2.56020E+03	2.75730E-03	6.67870E-01	1.84150E-03	3.56370E-03
2.56040E+03	2.85410E-03	6.68090E-01	1.90680E-03	3.69000E-03
2.56060E+03	2.95160E-03	6.68310E-01	1.97260E-03	3.81730E-03
2.56080E+03	3.04920E-03	6.68540E-01	2.03850E-03	3.94490E-03
2.56100E+03	3.14640E-03	6.68760E-01	2.10420E-03	4.07200E-03
2.56120E+03	3.24260E-03	6.68980E-01	2.16920E-03	4.19790E-03
2.56140E+03	3.33730E-03	6.69190E-01	2.23330E-03	4.32200E-03
2.56160E+03	3.43000E-03	6.69410E-01	2.29610E-03	4.44340E-03
2.56180E+03	3.52010E-03	6.69630E-01	2.35710E-03	4.56160E-03
2.56200E+03	3.60710E-03	6.69840E-01	2.41620E-03	4.67590E-03
2.56220E+03	3.69070E-03	6.69810E-01	2.47210E-03	4.78400E-03
2.56240E+03	3.77040E-03	6.69780E-01	2.52530E-03	4.88700E-03
2.56260E+03	3.84580E-03	6.69440E-01	2.57450E-03	4.98230E-03
2.56280E+03	3.91670E-03	6.69100E-01	2.62070E-03	5.07150E-03

2.56300E+03	3.98290E-03	6.68750E-01	2.66360E-03	5.15460E-03
2.56320E+03	4.04420E-03	6.68410E-01	2.70320E-03	5.23120E-03
2.56340E+03	4.10050E-03	6.68060E-01	2.73940E-03	5.30130E-03
2.56360E+03	4.15180E-03	6.67710E-01	2.77220E-03	5.36480E-03
2.56380E+03	4.19810E-03	6.67360E-01	2.80170E-03	5.42190E-03
2.56400E+03	4.23970E-03	6.67030E-01	2.82800E-03	5.47280E-03
2.56420E+03	4.27670E-03	6.66810E-01	2.85170E-03	5.51870E-03
2.56440E+03	4.30930E-03	6.66590E-01	2.87260E-03	5.55900E-03
2.56460E+03	4.33800E-03	6.66370E-01	2.89070E-03	5.59420E-03
2.56480E+03	4.36320E-03	6.66090E-01	2.90630E-03	5.62430E-03
2.56500E+03	4.38530E-03	6.65820E-01	2.91980E-03	5.65050E-03
2.56520E+03	4.40490E-03	6.65590E-01	2.93190E-03	5.67380E-03
2.56540E+03	4.42250E-03	6.65360E-01	2.94260E-03	5.69450E-03
2.56560E+03	4.43880E-03	6.65130E-01	2.95240E-03	5.71340E-03
2.56580E+03	4.45430E-03	6.64900E-01	2.96160E-03	5.73140E-03
2.56600E+03	4.46970E-03	6.64670E-01	2.97090E-03	5.74930E-03
2.56620E+03	4.48560E-03	6.64420E-01	2.98030E-03	5.76760E-03
2.56640E+03	4.50280E-03	6.64160E-01	2.99060E-03	5.78740E-03
2.56660E+03	4.52170E-03	6.63910E-01	3.00200E-03	5.80950E-03
2.56680E+03	4.54300E-03	6.63650E-01	3.01500E-03	5.83470E-03
2.56700E+03	4.56730E-03	6.63590E-01	3.03080E-03	5.86520E-03
2.56720E+03	4.59490E-03	6.63520E-01	3.04890E-03	5.90020E-03
2.56740E+03	4.62650E-03	6.63460E-01	3.06950E-03	5.94010E-03
2.56760E+03	4.66230E-03	6.63400E-01	3.09300E-03	5.98550E-03
2.56780E+03	4.70270E-03	6.63330E-01	3.11950E-03	6.03680E-03
2.56800E+03	4.74800E-03	6.63280E-01	3.14920E-03	6.09450E-03
2.56820E+03	4.79830E-03	6.63260E-01	3.18250E-03	6.15890E-03
2.56840E+03	4.85380E-03	6.63240E-01	3.21920E-03	6.22990E-03
2.56860E+03	4.91450E-03	6.63220E-01	3.25940E-03	6.30770E-03
2.56880E+03	4.98040E-03	6.63200E-01	3.30300E-03	6.39210E-03
2.56900E+03	5.05140E-03	6.63190E-01	3.35000E-03	6.48310E-03
2.56920E+03	5.12740E-03	6.63070E-01	3.39980E-03	6.57940E-03
2.56940E+03	5.20820E-03	6.62940E-01	3.45280E-03	6.68180E-03
2.56960E+03	5.29350E-03	6.62820E-01	3.50870E-03	6.79010E-03
2.56980E+03	5.38310E-03	6.62700E-01	3.56740E-03	6.90370E-03
2.57000E+03	5.47660E-03	6.62580E-01	3.62870E-03	7.02230E-03
2.57020E+03	5.57370E-03	6.62420E-01	3.69210E-03	7.14510E-03
2.57040E+03	5.67410E-03	6.62260E-01	3.75770E-03	7.27190E-03
2.57060E+03	5.77720E-03	6.62090E-01	3.82510E-03	7.40230E-03
2.57080E+03	5.88290E-03	6.61930E-01	3.89410E-03	7.53580E-03
2.57100E+03	5.99060E-03	6.61770E-01	3.96440E-03	7.67200E-03
2.57120E+03	6.10010E-03	6.61610E-01	4.03590E-03	7.81030E-03
2.57140E+03	6.21110E-03	6.61540E-01	4.10890E-03	7.95160E-03

2.57160E+03	6.32330E-03	6.61470E-01	4.18270E-03	8.09440E-03
2.57180E+03	6.43630E-03	6.61410E-01	4.25700E-03	8.23820E-03
2.57200E+03	6.55010E-03	6.61340E-01	4.33180E-03	8.38300E-03
2.57220E+03	6.66440E-03	6.61360E-01	4.40760E-03	8.52960E-03
2.57240E+03	6.77910E-03	6.61400E-01	4.48370E-03	8.67690E-03
2.57260E+03	6.89420E-03	6.61430E-01	4.56000E-03	8.82460E-03
2.57280E+03	7.00970E-03	6.61470E-01	4.63670E-03	8.97290E-03
2.57300E+03	7.12560E-03	6.61500E-01	4.71360E-03	9.12180E-03
2.57320E+03	7.24200E-03	6.61540E-01	4.79080E-03	9.27130E-03
2.57340E+03	7.35910E-03	6.61570E-01	4.86860E-03	9.42170E-03
2.57360E+03	7.47700E-03	6.61690E-01	4.94750E-03	9.57440E-03
2.57380E+03	7.59600E-03	6.61810E-01	5.02710E-03	9.72860E-03
2.57400E+03	7.71630E-03	6.61930E-01	5.10770E-03	9.88440E-03
2.57420E+03	7.83820E-03	6.62160E-01	5.19020E-03	1.00440E-02
2.57440E+03	7.96190E-03	6.62400E-01	5.27400E-03	1.02060E-02
2.57460E+03	8.08780E-03	6.62640E-01	5.35930E-03	1.03710E-02
2.57480E+03	8.21600E-03	6.62870E-01	5.44620E-03	1.05400E-02
2.57500E+03	8.34700E-03	6.63110E-01	5.53500E-03	1.07110E-02
2.57520E+03	8.48090E-03	6.63330E-01	5.62570E-03	1.08870E-02
2.57540E+03	8.61800E-03	6.63530E-01	5.71830E-03	1.10660E-02
2.57560E+03	8.75840E-03	6.63730E-01	5.81320E-03	1.12500E-02
2.57580E+03	8.90250E-03	6.63870E-01	5.91010E-03	1.14370E-02
2.57600E+03	9.05020E-03	6.64000E-01	6.00940E-03	1.16290E-02
2.57620E+03	9.20180E-03	6.63970E-01	6.10980E-03	1.18240E-02
2.57640E+03	9.35730E-03	6.63940E-01	6.21280E-03	1.20230E-02
2.57660E+03	9.51680E-03	6.63910E-01	6.31830E-03	1.22270E-02
2.57680E+03	9.68020E-03	6.63890E-01	6.42650E-03	1.24370E-02
2.57700E+03	9.84750E-03	6.63860E-01	6.53730E-03	1.26510E-02
2.57720E+03	1.00190E-02	6.63840E-01	6.65070E-03	1.28710E-02
2.57740E+03	1.01930E-02	6.63820E-01	6.76650E-03	1.30950E-02
2.57760E+03	1.03720E-02	6.63800E-01	6.88480E-03	1.33240E-02
2.57780E+03	1.05540E-02	6.63780E-01	7.00530E-03	1.35570E-02
2.57800E+03	1.07390E-02	6.63770E-01	7.12820E-03	1.37950E-02
2.57820E+03	1.09270E-02	6.63820E-01	7.25370E-03	1.40380E-02
2.57840E+03	1.11180E-02	6.63870E-01	7.38120E-03	1.42840E-02
2.57860E+03	1.13120E-02	6.63920E-01	7.51060E-03	1.45350E-02
2.57880E+03	1.15090E-02	6.63970E-01	7.64170E-03	1.47880E-02
2.57900E+03	1.17080E-02	6.64020E-01	7.77440E-03	1.50450E-02
2.57920E+03	1.19100E-02	6.64080E-01	7.90890E-03	1.53050E-02
2.57940E+03	1.21130E-02	6.64130E-01	8.04490E-03	1.55690E-02
2.57960E+03	1.23190E-02	6.64180E-01	8.18240E-03	1.58350E-02
2.57980E+03	1.25280E-02	6.64240E-01	8.32150E-03	1.61040E-02
2.58000E+03	1.27390E-02	6.64290E-01	8.46210E-03	1.63760E-02

2.58020E+03	1.29520E-02	6.64360E-01	8.60470E-03	1.66520E-02
2.58040E+03	1.31680E-02	6.64430E-01	8.74900E-03	1.69310E-02
2.58060E+03	1.33860E-02	6.64510E-01	8.89520E-03	1.72140E-02
2.58080E+03	1.36080E-02	6.64580E-01	9.04350E-03	1.75010E-02
2.58100E+03	1.38330E-02	6.64660E-01	9.19400E-03	1.77920E-02
2.58120E+03	1.40610E-02	6.64730E-01	9.34700E-03	1.80880E-02
2.58140E+03	1.42940E-02	6.64800E-01	9.50270E-03	1.83900E-02
2.58160E+03	1.45310E-02	6.64870E-01	9.66150E-03	1.86970E-02
2.58180E+03	1.47730E-02	6.64950E-01	9.82350E-03	1.90110E-02
2.58200E+03	1.50210E-02	6.65020E-01	9.98910E-03	1.93310E-02
2.58220E+03	1.52740E-02	6.65050E-01	1.01580E-02	1.96580E-02
2.58240E+03	1.55340E-02	6.65010E-01	1.03300E-02	1.99910E-02
2.58260E+03	1.58000E-02	6.64960E-01	1.05060E-02	2.03320E-02
2.58280E+03	1.60740E-02	6.64920E-01	1.06880E-02	2.06830E-02
2.58300E+03	1.63550E-02	6.64870E-01	1.08740E-02	2.10430E-02
2.58320E+03	1.66450E-02	6.64820E-01	1.10660E-02	2.14140E-02
2.58340E+03	1.69420E-02	6.64770E-01	1.12630E-02	2.17960E-02
2.58360E+03	1.72500E-02	6.64720E-01	1.14660E-02	2.21890E-02
2.58380E+03	1.75660E-02	6.64670E-01	1.16750E-02	2.25940E-02
2.58400E+03	1.78920E-02	6.64630E-01	1.18910E-02	2.30120E-02
2.58420E+03	1.82270E-02	6.64580E-01	1.21130E-02	2.34420E-02
2.58440E+03	1.85730E-02	6.64540E-01	1.23420E-02	2.38850E-02
2.58460E+03	1.89290E-02	6.64370E-01	1.25760E-02	2.43370E-02
2.58480E+03	1.92950E-02	6.64200E-01	1.28160E-02	2.48010E-02
2.58500E+03	1.96710E-02	6.64030E-01	1.30630E-02	2.52790E-02
2.58520E+03	2.00590E-02	6.63810E-01	1.33150E-02	2.57680E-02
2.58540E+03	2.04560E-02	6.63590E-01	1.35750E-02	2.62700E-02
2.58560E+03	2.08640E-02	6.63360E-01	1.38410E-02	2.67850E-02
2.58580E+03	2.12830E-02	6.63140E-01	1.41140E-02	2.73130E-02
2.58600E+03	2.17120E-02	6.62890E-01	1.43920E-02	2.78530E-02
2.58620E+03	2.21510E-02	6.62420E-01	1.46730E-02	2.83960E-02
2.58640E+03	2.26000E-02	6.61960E-01	1.49600E-02	2.89510E-02
2.58660E+03	2.30590E-02	6.61490E-01	1.52530E-02	2.95180E-02
2.58680E+03	2.35280E-02	6.61160E-01	1.55560E-02	3.01040E-02
2.58700E+03	2.40070E-02	6.60830E-01	1.58640E-02	3.07010E-02
2.58720E+03	2.44950E-02	6.60510E-01	1.61790E-02	3.13100E-02
2.58740E+03	2.49930E-02	6.60180E-01	1.65000E-02	3.19310E-02
2.58760E+03	2.55000E-02	6.59860E-01	1.68270E-02	3.25630E-02
2.58780E+03	2.60170E-02	6.59540E-01	1.71590E-02	3.32070E-02
2.58800E+03	2.65430E-02	6.59210E-01	1.74980E-02	3.38620E-02
2.58820E+03	2.70790E-02	6.58880E-01	1.78420E-02	3.45280E-02
2.58840E+03	2.76240E-02	6.58550E-01	1.81920E-02	3.52050E-02
2.58860E+03	2.81780E-02	6.58220E-01	1.85470E-02	3.58930E-02

2.58880E+03	2.87420E-02	6.57890E-01	1.89090E-02	3.65930E-02
2.58900E+03	2.93160E-02	6.57510E-01	1.92750E-02	3.73020E-02
2.58920E+03	2.98990E-02	6.57120E-01	1.96470E-02	3.80220E-02
2.58940E+03	3.04920E-02	6.56730E-01	2.00250E-02	3.87530E-02
2.58960E+03	3.10950E-02	6.56350E-01	2.04090E-02	3.94960E-02
2.58980E+03	3.17090E-02	6.55960E-01	2.08000E-02	4.02520E-02
2.59000E+03	3.23330E-02	6.55570E-01	2.11960E-02	4.10200E-02
2.59020E+03	3.29670E-02	6.55590E-01	2.16130E-02	4.18250E-02
2.59040E+03	3.36120E-02	6.55610E-01	2.20360E-02	4.26450E-02
2.59060E+03	3.42680E-02	6.55620E-01	2.24670E-02	4.34790E-02
2.59080E+03	3.49360E-02	6.55640E-01	2.29050E-02	4.43260E-02
2.59100E+03	3.56150E-02	6.55660E-01	2.33510E-02	4.51890E-02
2.59120E+03	3.63050E-02	6.55720E-01	2.38060E-02	4.60690E-02
2.59140E+03	3.70070E-02	6.55780E-01	2.42680E-02	4.69640E-02
2.59160E+03	3.77210E-02	6.55840E-01	2.47390E-02	4.78750E-02
2.59180E+03	3.84470E-02	6.55900E-01	2.52170E-02	4.88010E-02
2.59200E+03	3.91850E-02	6.55960E-01	2.57040E-02	4.97430E-02
2.59220E+03	3.99360E-02	6.55840E-01	2.61920E-02	5.06870E-02
2.59240E+03	4.06990E-02	6.55710E-01	2.66870E-02	5.16440E-02
2.59260E+03	4.14750E-02	6.55570E-01	2.71900E-02	5.26180E-02
2.59280E+03	4.22640E-02	6.55430E-01	2.77010E-02	5.36070E-02
2.59300E+03	4.30650E-02	6.55300E-01	2.82200E-02	5.46130E-02
2.59320E+03	4.38800E-02	6.55160E-01	2.87480E-02	5.56340E-02
2.59340E+03	4.47080E-02	6.55050E-01	2.92860E-02	5.66750E-02
2.59360E+03	4.55500E-02	6.54950E-01	2.98330E-02	5.77320E-02
2.59380E+03	4.64050E-02	6.54840E-01	3.03880E-02	5.88070E-02
2.59400E+03	4.72740E-02	6.54720E-01	3.09510E-02	5.98970E-02
2.59420E+03	4.81570E-02	6.54470E-01	3.15170E-02	6.09930E-02
2.59440E+03	4.90560E-02	6.54220E-01	3.20930E-02	6.21070E-02
2.59460E+03	4.99680E-02	6.53970E-01	3.26780E-02	6.32390E-02
2.59480E+03	5.03890E-02	6.53720E-01	3.29400E-02	6.37470E-02
2.59500E+03	5.13180E-02	6.53470E-01	3.35350E-02	6.48970E-02
2.59520E+03	5.22590E-02	6.53290E-01	3.41400E-02	6.60690E-02
2.59540E+03	5.32110E-02	6.53120E-01	3.47530E-02	6.72540E-02
2.59560E+03	5.41750E-02	6.52850E-01	3.53690E-02	6.84460E-02
2.59580E+03	5.51530E-02	6.52590E-01	3.59930E-02	6.96530E-02
2.59600E+03	5.61450E-02	6.52330E-01	3.66260E-02	7.08780E-02
2.59620E+03	5.71530E-02	6.52200E-01	3.72750E-02	7.21350E-02
2.59640E+03	5.81770E-02	6.52060E-01	3.79350E-02	7.34120E-02
2.59660E+03	5.92190E-02	6.51930E-01	3.86060E-02	7.47120E-02
2.59680E+03	6.02800E-02	6.51790E-01	3.92900E-02	7.60350E-02
2.59700E+03	6.13630E-02	6.51660E-01	3.99870E-02	7.73840E-02
2.59720E+03	6.24680E-02	6.51520E-01	4.06990E-02	7.87610E-02

2.59740E+03	6.35970E-02	6.51380E-01	4.14260E-02	8.01680E-02
2.59760E+03	6.47520E-02	6.51240E-01	4.21690E-02	8.16070E-02
2.59780E+03	6.59360E-02	6.51050E-01	4.29270E-02	8.30730E-02
2.59800E+03	6.71480E-02	6.50860E-01	4.37040E-02	8.45760E-02
2.59820E+03	6.83920E-02	6.50710E-01	4.45030E-02	8.61230E-02
2.59840E+03	6.96670E-02	6.50570E-01	4.53240E-02	8.77110E-02
2.59860E+03	7.09770E-02	6.50430E-01	4.61660E-02	8.93410E-02
2.59880E+03	7.23220E-02	6.50290E-01	4.70300E-02	9.10140E-02
2.59900E+03	7.37030E-02	6.50070E-01	4.79120E-02	9.27200E-02
2.59920E+03	7.51220E-02	6.49750E-01	4.88110E-02	9.44590E-02
2.59940E+03	7.65790E-02	6.49600E-01	4.97460E-02	9.62690E-02
2.59960E+03	7.80740E-02	6.49460E-01	5.07060E-02	9.81270E-02
2.59980E+03	7.96100E-02	6.49310E-01	5.16910E-02	1.00030E-01
2.60000E+03	8.11850E-02	6.49280E-01	5.27120E-02	1.02010E-01
2.60020E+03	8.28010E-02	6.49450E-01	5.37740E-02	1.04070E-01
2.60040E+03	8.44570E-02	6.49610E-01	5.48640E-02	1.06170E-01
2.60060E+03	8.61530E-02	6.49770E-01	5.59800E-02	1.08330E-01
2.60080E+03	8.78910E-02	6.49940E-01	5.71240E-02	1.10550E-01
2.60100E+03	8.96690E-02	6.50100E-01	5.82940E-02	1.12810E-01
2.60120E+03	9.14870E-02	6.50270E-01	5.94910E-02	1.15130E-01
2.60140E+03	9.33470E-02	6.50430E-01	6.07160E-02	1.17500E-01
2.60160E+03	9.52470E-02	6.50600E-01	6.19670E-02	1.19920E-01
2.60180E+03	9.71870E-02	6.50760E-01	6.32460E-02	1.22390E-01
2.60200E+03	9.91680E-02	6.50930E-01	6.45510E-02	1.24920E-01
2.60220E+03	1.01190E-01	6.50990E-01	6.58740E-02	1.27480E-01
2.60240E+03	1.03250E-01	6.51050E-01	6.72240E-02	1.30090E-01
2.60260E+03	1.05360E-01	6.51120E-01	6.86010E-02	1.32760E-01
2.60280E+03	1.07510E-01	6.51180E-01	7.00060E-02	1.35480E-01
2.60300E+03	1.09700E-01	6.51250E-01	7.14390E-02	1.38250E-01
2.60320E+03	1.11930E-01	6.51310E-01	7.29020E-02	1.41080E-01
2.60340E+03	1.14210E-01	6.51380E-01	7.43940E-02	1.43970E-01
2.60360E+03	1.16530E-01	6.51450E-01	7.59160E-02	1.46910E-01
2.60380E+03	1.18910E-01	6.51520E-01	7.74690E-02	1.49920E-01
2.60400E+03	1.21330E-01	6.51590E-01	7.90560E-02	1.52990E-01
2.60420E+03	1.23800E-01	6.51620E-01	8.06700E-02	1.56110E-01
2.60440E+03	1.26320E-01	6.51600E-01	8.23120E-02	1.59290E-01
2.60460E+03	1.28900E-01	6.51570E-01	8.39880E-02	1.62530E-01
2.60480E+03	1.31530E-01	6.51540E-01	8.57010E-02	1.65850E-01
2.60500E+03	1.34230E-01	6.51520E-01	8.74510E-02	1.69240E-01
2.60520E+03	1.36980E-01	6.51410E-01	8.92280E-02	1.72680E-01
2.60540E+03	1.39790E-01	6.51300E-01	9.10460E-02	1.76190E-01
2.60560E+03	1.42660E-01	6.51200E-01	9.29030E-02	1.79790E-01
2.60580E+03	1.45600E-01	6.51090E-01	9.48020E-02	1.83460E-01

2.60600E+03	1.48610E-01	6.50980E-01	9.67440E-02	1.87220E-01
2.60620E+03	1.51690E-01	6.51020E-01	9.87510E-02	1.91100E-01
2.60640E+03	1.54830E-01	6.51090E-01	1.00810E-01	1.95080E-01
2.60660E+03	1.58040E-01	6.51260E-01	1.02930E-01	1.99180E-01
2.60680E+03	1.61330E-01	6.51440E-01	1.05090E-01	2.03380E-01
2.60700E+03	1.64680E-01	6.51610E-01	1.07310E-01	2.07660E-01
2.60720E+03	1.68110E-01	6.51770E-01	1.09570E-01	2.12040E-01
2.60740E+03	1.71610E-01	6.51930E-01	1.11880E-01	2.16510E-01
2.60760E+03	1.75180E-01	6.52100E-01	1.14230E-01	2.21070E-01
2.60780E+03	1.78820E-01	6.52260E-01	1.16640E-01	2.25720E-01
2.60800E+03	1.82540E-01	6.52390E-01	1.19090E-01	2.30460E-01
2.60820E+03	1.86320E-01	6.52350E-01	1.21550E-01	2.35220E-01
2.60840E+03	1.90180E-01	6.52320E-01	1.24060E-01	2.40070E-01
2.60860E+03	1.94100E-01	6.52280E-01	1.26610E-01	2.45010E-01
2.60880E+03	1.98090E-01	6.52290E-01	1.29210E-01	2.50060E-01
2.60900E+03	2.02150E-01	6.52310E-01	1.31860E-01	2.55180E-01
2.60920E+03	2.06270E-01	6.52310E-01	1.34550E-01	2.60390E-01
2.60940E+03	2.10460E-01	6.52310E-01	1.37290E-01	2.65680E-01
2.60960E+03	2.14710E-01	6.52310E-01	1.40060E-01	2.71040E-01
2.60980E+03	2.19020E-01	6.52320E-01	1.42870E-01	2.76480E-01
2.61000E+03	2.23390E-01	6.52320E-01	1.45720E-01	2.82000E-01
2.61020E+03	2.27820E-01	6.52140E-01	1.48570E-01	2.87510E-01
2.61040E+03	2.32310E-01	6.51940E-01	1.51450E-01	2.93090E-01
2.61060E+03	2.36850E-01	6.51750E-01	1.54370E-01	2.98730E-01
2.61080E+03	2.41450E-01	6.51550E-01	1.57320E-01	3.04440E-01
2.61100E+03	2.46100E-01	6.51100E-01	1.60230E-01	3.10090E-01
2.61120E+03	2.50800E-01	6.50640E-01	1.63180E-01	3.15790E-01
2.61140E+03	2.55560E-01	6.50170E-01	1.66160E-01	3.21560E-01
2.61160E+03	2.60380E-01	6.49710E-01	1.69170E-01	3.27380E-01
2.61180E+03	2.65240E-01	6.49250E-01	1.72210E-01	3.33260E-01
2.61200E+03	2.70160E-01	6.48790E-01	1.75280E-01	3.39200E-01
2.61220E+03	2.75140E-01	6.48340E-01	1.78380E-01	3.45210E-01
2.61240E+03	2.80160E-01	6.47900E-01	1.81520E-01	3.51280E-01
2.61260E+03	2.85240E-01	6.47460E-01	1.84680E-01	3.57400E-01
2.61280E+03	2.90380E-01	6.47020E-01	1.87880E-01	3.63590E-01
2.61300E+03	2.95570E-01	6.46580E-01	1.91110E-01	3.69840E-01
2.61320E+03	3.00810E-01	6.46240E-01	1.94400E-01	3.76200E-01
2.61340E+03	3.06120E-01	6.45890E-01	1.97720E-01	3.82630E-01
2.61360E+03	3.11470E-01	6.45550E-01	2.01070E-01	3.89120E-01
2.61380E+03	3.16890E-01	6.45210E-01	2.04460E-01	3.95670E-01
2.61400E+03	3.22360E-01	6.44900E-01	2.07890E-01	4.02310E-01
2.61420E+03	3.27890E-01	6.44740E-01	2.11410E-01	4.09120E-01
2.61440E+03	3.33480E-01	6.44580E-01	2.14960E-01	4.15990E-01

2.61460E+03	3.39130E-01	6.44420E-01	2.18540E-01	4.22930E-01
2.61480E+03	3.44840E-01	6.44250E-01	2.22160E-01	4.29930E-01
2.61500E+03	3.50600E-01	6.44080E-01	2.25820E-01	4.37000E-01
2.61520E+03	3.56420E-01	6.44000E-01	2.29540E-01	4.44200E-01
2.61540E+03	3.62300E-01	6.43880E-01	2.33280E-01	4.51440E-01
2.61560E+03	3.68230E-01	6.43750E-01	2.37050E-01	4.58750E-01
2.61580E+03	3.74220E-01	6.43630E-01	2.40860E-01	4.66110E-01
2.61600E+03	3.80260E-01	6.43500E-01	2.44700E-01	4.73550E-01
2.61620E+03	3.86350E-01	6.43420E-01	2.48590E-01	4.81070E-01
2.61640E+03	3.92500E-01	6.43350E-01	2.52510E-01	4.88660E-01
2.61660E+03	3.98680E-01	6.43280E-01	2.56460E-01	4.96310E-01
2.61680E+03	4.04910E-01	6.43210E-01	2.60440E-01	5.04020E-01
2.61700E+03	4.11190E-01	6.43140E-01	2.64450E-01	5.11770E-01
2.61720E+03	4.17500E-01	6.43070E-01	2.68480E-01	5.19560E-01
2.61740E+03	4.23840E-01	6.43000E-01	2.72530E-01	5.27400E-01
2.61760E+03	4.30220E-01	6.42900E-01	2.76590E-01	5.35260E-01
2.61780E+03	4.36630E-01	6.42810E-01	2.80670E-01	5.43160E-01
2.61800E+03	4.43060E-01	6.42720E-01	2.84760E-01	5.51080E-01
2.61820E+03	4.49510E-01	6.42530E-01	2.88820E-01	5.58930E-01
2.61840E+03	4.55980E-01	6.42330E-01	2.92890E-01	5.66800E-01
2.61860E+03	4.62460E-01	6.42120E-01	2.96960E-01	5.74670E-01
2.61880E+03	4.68950E-01	6.41920E-01	3.01030E-01	5.82550E-01
2.61900E+03	4.75440E-01	6.41720E-01	3.05100E-01	5.90440E-01
2.61920E+03	4.81940E-01	6.41520E-01	3.09170E-01	5.98310E-01
2.61940E+03	4.88430E-01	6.41310E-01	3.13230E-01	6.06170E-01
2.61960E+03	4.94910E-01	6.41110E-01	3.17290E-01	6.14020E-01
2.61980E+03	5.01380E-01	6.40980E-01	3.21370E-01	6.21930E-01
2.62000E+03	5.07830E-01	6.40860E-01	3.25450E-01	6.29810E-01
2.62020E+03	5.14260E-01	6.40780E-01	3.29530E-01	6.37710E-01
2.62040E+03	5.20670E-01	6.40700E-01	3.33590E-01	6.45570E-01
2.62060E+03	5.27050E-01	6.40620E-01	3.37640E-01	6.53400E-01
2.62080E+03	5.33390E-01	6.40540E-01	3.41660E-01	6.61180E-01
2.62100E+03	5.39700E-01	6.40470E-01	3.45660E-01	6.68920E-01
2.62120E+03	5.45960E-01	6.40390E-01	3.49630E-01	6.76610E-01
2.62140E+03	5.52180E-01	6.40320E-01	3.53570E-01	6.84240E-01
2.62160E+03	5.58360E-01	6.40250E-01	3.57490E-01	6.91820E-01
2.62180E+03	5.64480E-01	6.40180E-01	3.61370E-01	6.99320E-01
2.62200E+03	5.70550E-01	6.40060E-01	3.65190E-01	7.06710E-01
2.62220E+03	5.76560E-01	6.39960E-01	3.68970E-01	7.14040E-01
2.62240E+03	5.82500E-01	6.39850E-01	3.72710E-01	7.21280E-01
2.62260E+03	5.88390E-01	6.39740E-01	3.76420E-01	7.28440E-01
2.62280E+03	5.94210E-01	6.39630E-01	3.80070E-01	7.35520E-01
2.62300E+03	5.99950E-01	6.39520E-01	3.83680E-01	7.42510E-01

2.62320E+03	6.05630E-01	6.39420E-01	3.87250E-01	7.49420E-01
2.62340E+03	6.11230E-01	6.39320E-01	3.90770E-01	7.56230E-01
2.62360E+03	6.16760E-01	6.39210E-01	3.94240E-01	7.62940E-01
2.62380E+03	6.22210E-01	6.39110E-01	3.97660E-01	7.69550E-01
2.62400E+03	6.27580E-01	6.39000E-01	4.01020E-01	7.76070E-01
2.62420E+03	6.32860E-01	6.39030E-01	4.04420E-01	7.82630E-01
2.62440E+03	6.38070E-01	6.39050E-01	4.07760E-01	7.89090E-01
2.62460E+03	6.43190E-01	6.39070E-01	4.11040E-01	7.95450E-01
2.62480E+03	6.48230E-01	6.39090E-01	4.14270E-01	8.01710E-01
2.62500E+03	6.53170E-01	6.39110E-01	4.17450E-01	8.07860E-01
2.62520E+03	6.58040E-01	6.39140E-01	4.20580E-01	8.13910E-01
2.62540E+03	6.62810E-01	6.39170E-01	4.23650E-01	8.19850E-01
2.62560E+03	6.67500E-01	6.39200E-01	4.26670E-01	8.25690E-01
2.62580E+03	6.72100E-01	6.39230E-01	4.29630E-01	8.31420E-01
2.62600E+03	6.76610E-01	6.39270E-01	4.32540E-01	8.37060E-01
2.62620E+03	6.81040E-01	6.39490E-01	4.35520E-01	8.42820E-01
2.62640E+03	6.85370E-01	6.39620E-01	4.38380E-01	8.48350E-01
2.62660E+03	6.89620E-01	6.39750E-01	4.41180E-01	8.53780E-01
2.62680E+03	6.93770E-01	6.39880E-01	4.43930E-01	8.59100E-01
2.62700E+03	6.97840E-01	6.40010E-01	4.46620E-01	8.64310E-01
2.62720E+03	7.01820E-01	6.40150E-01	4.49270E-01	8.69430E-01
2.62740E+03	7.05710E-01	6.40290E-01	4.51850E-01	8.74440E-01
2.62760E+03	7.09510E-01	6.40430E-01	4.54390E-01	8.79330E-01
2.62780E+03	7.13220E-01	6.40560E-01	4.56860E-01	8.84130E-01
2.62800E+03	7.16840E-01	6.40690E-01	4.59270E-01	8.88790E-01
2.62820E+03	7.20380E-01	6.40710E-01	4.61560E-01	8.93210E-01
2.62840E+03	7.23830E-01	6.40740E-01	4.63780E-01	8.97520E-01
2.62860E+03	7.27190E-01	6.40940E-01	4.66080E-01	9.01970E-01
2.62880E+03	7.30460E-01	6.41140E-01	4.68330E-01	9.06320E-01
2.62900E+03	7.33640E-01	6.41350E-01	4.70520E-01	9.10560E-01
2.62920E+03	7.36740E-01	6.41550E-01	4.72660E-01	9.14690E-01
2.62940E+03	7.39750E-01	6.41760E-01	4.74740E-01	9.18720E-01
2.62960E+03	7.42660E-01	6.41960E-01	4.76760E-01	9.22640E-01
2.62980E+03	7.45500E-01	6.42170E-01	4.78730E-01	9.26450E-01
2.63000E+03	7.48240E-01	6.42360E-01	4.80640E-01	9.30140E-01
2.63020E+03	7.50900E-01	6.42410E-01	4.82380E-01	9.33520E-01
2.63040E+03	7.53470E-01	6.42460E-01	4.84070E-01	9.36780E-01
2.63060E+03	7.55950E-01	6.42510E-01	4.85700E-01	9.39940E-01
2.63080E+03	7.58350E-01	6.42340E-01	4.87120E-01	9.42680E-01
2.63100E+03	7.60660E-01	6.42180E-01	4.88480E-01	9.45310E-01
2.63120E+03	7.62880E-01	6.42020E-01	4.89780E-01	9.47830E-01
2.63140E+03	7.65020E-01	6.41850E-01	4.91030E-01	9.50250E-01
2.63160E+03	7.67080E-01	6.41690E-01	4.92230E-01	9.52560E-01

2.63180E+03	7.69060E-01	6.41520E-01	4.93370E-01	9.54770E-01
2.63200E+03	7.70950E-01	6.41360E-01	4.94460E-01	9.56880E-01
2.63220E+03	7.72760E-01	6.41220E-01	4.95510E-01	9.58920E-01
2.63240E+03	7.74500E-01	6.41080E-01	4.96520E-01	9.60870E-01
2.63260E+03	7.76160E-01	6.40940E-01	4.97470E-01	9.62720E-01
2.63280E+03	7.77740E-01	6.40800E-01	4.98380E-01	9.64470E-01
2.63300E+03	7.79260E-01	6.40640E-01	4.99220E-01	9.66100E-01
2.63320E+03	7.80700E-01	6.40470E-01	5.00010E-01	9.67630E-01
2.63340E+03	7.82070E-01	6.40300E-01	5.00760E-01	9.69080E-01
2.63360E+03	7.83380E-01	6.40130E-01	5.01470E-01	9.70450E-01
2.63380E+03	7.84630E-01	6.39970E-01	5.02130E-01	9.71740E-01
2.63400E+03	7.85810E-01	6.39800E-01	5.02760E-01	9.72950E-01
2.63420E+03	7.86940E-01	6.39750E-01	5.03440E-01	9.74270E-01
2.63440E+03	7.88010E-01	6.39700E-01	5.04100E-01	9.75530E-01
2.63460E+03	7.89030E-01	6.39660E-01	5.04710E-01	9.76730E-01
2.63480E+03	7.90000E-01	6.39620E-01	5.05300E-01	9.77870E-01
2.63500E+03	7.90930E-01	6.39580E-01	5.05860E-01	9.78940E-01
2.63520E+03	7.91800E-01	6.39680E-01	5.06500E-01	9.80180E-01
2.63540E+03	7.92640E-01	6.39770E-01	5.07110E-01	9.81370E-01
2.63560E+03	7.93430E-01	6.39870E-01	5.07700E-01	9.82500E-01
2.63580E+03	7.94190E-01	6.39970E-01	5.08260E-01	9.83590E-01
2.63600E+03	7.94920E-01	6.40070E-01	5.08800E-01	9.84640E-01
2.63620E+03	7.95600E-01	6.40040E-01	5.09210E-01	9.85440E-01
2.63640E+03	7.96260E-01	6.39970E-01	5.09580E-01	9.86140E-01
2.63660E+03	7.96880E-01	6.39890E-01	5.09920E-01	9.86810E-01
2.63680E+03	7.97480E-01	6.39820E-01	5.10250E-01	9.87430E-01
2.63700E+03	7.98050E-01	6.39770E-01	5.10560E-01	9.88050E-01
2.63720E+03	7.98590E-01	6.39720E-01	5.10870E-01	9.88650E-01
2.63740E+03	7.99100E-01	6.39340E-01	5.10890E-01	9.88690E-01
2.63760E+03	7.99590E-01	6.38950E-01	5.10900E-01	9.88700E-01
2.63780E+03	8.00050E-01	6.38570E-01	5.10890E-01	9.88670E-01
2.63800E+03	8.00490E-01	6.38180E-01	5.10850E-01	9.88610E-01
2.63820E+03	8.00900E-01	6.37760E-01	5.10780E-01	9.88460E-01
2.63840E+03	8.01290E-01	6.37330E-01	5.10690E-01	9.88290E-01
2.63860E+03	8.01650E-01	6.36910E-01	5.10580E-01	9.88080E-01
2.63880E+03	8.02000E-01	6.36480E-01	5.10460E-01	9.87840E-01
2.63900E+03	8.02310E-01	6.36060E-01	5.10320E-01	9.87580E-01
2.63920E+03	8.02610E-01	6.35640E-01	5.10170E-01	9.87290E-01
2.63940E+03	8.02880E-01	6.35220E-01	5.10010E-01	9.86980E-01
2.63960E+03	8.03140E-01	6.34750E-01	5.09790E-01	9.86560E-01
2.63980E+03	8.03370E-01	6.34290E-01	5.09570E-01	9.86120E-01
2.64000E+03	8.03570E-01	6.33830E-01	5.09330E-01	9.85650E-01
2.64020E+03	8.03760E-01	6.33430E-01	5.09120E-01	9.85270E-01

2.64040E+03	8.03930E-01	6.33030E-01	5.08910E-01	9.84850E-01
2.64060E+03	8.04090E-01	6.32630E-01	5.08690E-01	9.84420E-01
2.64080E+03	8.04220E-01	6.32230E-01	5.08450E-01	9.83960E-01
2.64100E+03	8.04340E-01	6.31830E-01	5.08200E-01	9.83490E-01
2.64120E+03	8.04450E-01	6.31430E-01	5.07950E-01	9.83000E-01
72.64140E+03	8.04540E-01	6.31040E-01	5.07690E-01	9.82490E-01
2.64160E+03	8.04620E-01	6.30640E-01	5.07420E-01	9.81980E-01
2.64180E+03	8.04690E-01	6.30530E-01	5.07380E-01	9.81890E-01
2.64200E+03	8.04760E-01	6.30410E-01	5.07330E-01	9.81790E-01
2.64220E+03	8.04810E-01	6.30260E-01	5.07240E-01	9.81620E-01
2.64240E+03	8.04870E-01	6.30110E-01	5.07150E-01	9.81450E-01
2.64260E+03	8.04920E-01	6.29950E-01	5.07060E-01	9.81270E-01
2.64280E+03	8.04980E-01	6.29800E-01	5.06970E-01	9.81100E-01
2.64300E+03	8.05030E-01	6.29640E-01	5.06880E-01	9.80930E-01
2.64320E+03	8.05090E-01	6.29490E-01	5.06800E-01	9.80760E-01
2.64340E+03	8.05150E-01	6.29340E-01	5.06710E-01	9.80600E-01
2.64360E+03	8.05220E-01	6.29190E-01	5.06640E-01	9.80450E-01
2.64380E+03	8.05300E-01	6.29040E-01	5.06560E-01	9.80310E-01
2.64400E+03	8.05380E-01	6.28750E-01	5.06380E-01	9.79960E-01
2.64420E+03	8.05480E-01	6.28450E-01	5.06200E-01	9.79610E-01
2.64440E+03	8.05590E-01	6.28140E-01	5.06020E-01	9.79260E-01
2.64460E+03	8.05700E-01	6.27850E-01	5.05860E-01	9.78950E-01
2.64480E+03	8.05830E-01	6.27560E-01	5.05710E-01	9.78650E-01
2.64500E+03	8.05970E-01	6.27280E-01	5.05570E-01	9.78380E-01
2.64520E+03	8.06120E-01	6.27040E-01	5.05470E-01	9.78190E-01
2.64540E+03	8.06280E-01	6.26800E-01	5.05380E-01	9.78020E-01
2.64560E+03	8.06450E-01	6.26570E-01	5.05300E-01	9.77860E-01
2.64580E+03	8.06630E-01	6.26330E-01	5.05220E-01	9.77710E-01
2.64600E+03	8.06820E-01	6.26100E-01	5.05150E-01	9.77570E-01
2.64620E+03	8.07030E-01	6.26180E-01	5.05340E-01	9.77950E-01
2.64640E+03	8.07230E-01	6.26260E-01	5.05540E-01	9.78330E-01
2.64660E+03	8.07450E-01	6.26350E-01	5.05740E-01	9.78720E-01
2.64680E+03	8.07670E-01	6.26430E-01	5.05950E-01	9.79110E-01
2.64700E+03	8.07890E-01	6.26510E-01	5.06150E-01	9.79520E-01
2.64720E+03	8.08120E-01	6.26600E-01	5.06370E-01	9.79930E-01
2.64740E+03	8.08350E-01	6.26690E-01	5.06580E-01	9.80350E-01
2.64760E+03	8.08580E-01	6.26780E-01	5.06800E-01	9.80770E-01
2.64780E+03	8.08810E-01	6.26870E-01	5.07020E-01	9.81190E-01
2.64800E+03	8.09040E-01	6.26960E-01	5.07230E-01	9.81610E-01
2.64820E+03	8.09270E-01	6.27160E-01	5.07540E-01	9.82210E-01
2.64840E+03	8.09510E-01	6.27360E-01	5.07850E-01	9.82800E-01
2.64860E+03	8.09740E-01	6.27550E-01	5.08150E-01	9.83390E-01
2.64880E+03	8.09970E-01	6.27750E-01	5.08460E-01	9.83980E-01

2.64900E+03	8.10190E-01	6.27950E-01	5.08760E-01	9.84560E-01
2.64920E+03	8.10420E-01	6.28150E-01	5.09070E-01	9.85150E-01
2.64940E+03	8.10650E-01	6.28350E-01	5.09370E-01	9.85740E-01
2.64960E+03	8.10870E-01	6.28550E-01	5.09680E-01	9.86330E-01
2.64980E+03	8.11100E-01	6.28750E-01	5.09980E-01	9.86930E-01
2.65000E+03	8.11330E-01	6.28950E-01	5.10280E-01	9.87510E-01
2.65020E+03	8.11560E-01	6.28950E-01	5.10430E-01	9.87800E-01
2.65040E+03	8.11790E-01	6.28960E-01	5.10580E-01	9.88090E-01
2.65060E+03	8.12030E-01	6.28750E-01	5.10570E-01	9.88060E-01
2.65080E+03	8.12280E-01	6.28550E-01	5.10550E-01	9.88030E-01
2.65100E+03	8.12530E-01	6.28340E-01	5.10550E-01	9.88010E-01
2.65120E+03	8.12780E-01	6.28140E-01	5.10540E-01	9.88010E-01
2.65140E+03	8.13050E-01	6.27940E-01	5.10550E-01	9.88010E-01
2.65160E+03	8.13320E-01	6.27740E-01	5.10550E-01	9.88030E-01
2.65180E+03	8.13600E-01	6.27540E-01	5.10570E-01	9.88060E-01
2.65200E+03	8.13890E-01	6.27340E-01	5.10590E-01	9.88100E-01
2.65220E+03	8.14200E-01	6.27310E-01	5.10760E-01	9.88420E-01
2.65240E+03	8.14510E-01	6.27320E-01	5.10960E-01	9.88810E-01
2.65260E+03	8.14830E-01	6.27320E-01	5.11160E-01	9.89200E-01
2.65280E+03	8.15160E-01	6.27290E-01	5.11350E-01	9.89560E-01
2.65300E+03	8.15510E-01	6.27270E-01	5.11540E-01	9.89940E-01
2.65320E+03	8.15860E-01	6.27240E-01	5.11730E-01	9.90320E-01
2.65340E+03	8.16220E-01	6.27210E-01	5.11940E-01	9.90710E-01
2.65360E+03	8.16580E-01	6.27180E-01	5.12140E-01	9.91110E-01
2.65380E+03	8.16950E-01	6.27150E-01	5.12350E-01	9.91510E-01
2.65400E+03	8.17330E-01	6.27120E-01	5.12570E-01	9.91920E-01
2.65420E+03	8.17710E-01	6.27180E-01	5.12850E-01	9.92480E-01
2.65440E+03	8.18100E-01	6.27240E-01	5.13140E-01	9.93040E-01
2.65460E+03	8.18480E-01	6.27300E-01	5.13430E-01	9.93610E-01
2.65480E+03	8.18860E-01	6.27370E-01	5.13720E-01	9.94170E-01
2.65500E+03	8.19230E-01	6.27620E-01	5.14170E-01	9.95020E-01
2.65520E+03	8.19600E-01	6.27870E-01	5.14600E-01	9.95870E-01
2.65540E+03	8.19970E-01	6.28120E-01	5.15040E-01	9.96710E-01
2.65560E+03	8.20320E-01	6.28370E-01	5.15460E-01	9.97530E-01
2.65580E+03	8.20660E-01	6.28620E-01	5.15880E-01	9.98350E-01
2.65600E+03	8.20990E-01	6.28820E-01	5.16260E-01	9.99070E-01
2.65620E+03	8.21300E-01	6.28730E-01	5.16370E-01	9.99300E-01
2.65640E+03	8.21600E-01	6.28630E-01	5.16480E-01	9.99510E-01
2.65660E+03	8.21880E-01	6.28540E-01	5.16580E-01	9.99690E-01
2.65680E+03	8.22140E-01	6.28440E-01	5.16670E-01	9.99860E-01
2.65700E+03	8.22380E-01	6.28350E-01	5.16740E-01	1.00000E+00
2.65720E+03	8.22600E-01	6.28170E-01	5.16730E-01	9.99990E-01
2.65740E+03	8.22800E-01	6.28000E-01	5.16710E-01	9.99950E-01

2.65760E+03	8.22970E-01	6.27820E-01	5.16680E-01	9.99880E-01
2.65780E+03	8.23130E-01	6.27650E-01	5.16630E-01	9.99790E-01
2.65800E+03	8.23260E-01	6.27470E-01	5.16570E-01	9.99670E-01
2.65820E+03	8.23360E-01	6.27400E-01	5.16580E-01	9.99690E-01
2.65840E+03	8.23450E-01	6.27340E-01	5.16580E-01	9.99700E-01
2.65860E+03	8.23510E-01	6.27280E-01	5.16570E-01	9.99680E-01
2.65880E+03	8.23560E-01	6.27210E-01	5.16540E-01	9.99620E-01
2.65900E+03	8.23580E-01	6.27140E-01	5.16500E-01	9.99540E-01
2.65920E+03	8.23590E-01	6.27070E-01	5.16450E-01	9.99440E-01
2.65940E+03	8.23570E-01	6.26870E-01	5.16270E-01	9.99100E-01
2.65960E+03	8.23540E-01	6.26660E-01	5.16080E-01	9.98730E-01
2.65980E+03	8.23490E-01	6.26450E-01	5.15880E-01	9.98340E-01
2.66000E+03	8.23430E-01	6.26250E-01	5.15670E-01	9.97930E-01
2.66020E+03	8.23350E-01	6.26070E-01	5.15480E-01	9.97560E-01
2.66040E+03	8.23260E-01	6.25890E-01	5.15270E-01	9.97160E-01
2.66060E+03	8.23150E-01	6.25720E-01	5.15060E-01	9.96760E-01
2.66080E+03	8.23040E-01	6.25540E-01	5.14840E-01	9.96330E-01
2.66100E+03	8.22910E-01	6.25360E-01	5.14620E-01	9.95900E-01
2.66120E+03	8.22780E-01	6.25180E-01	5.14380E-01	9.95440E-01
2.66140E+03	8.22630E-01	6.24990E-01	5.14140E-01	9.94970E-01
2.66160E+03	8.22480E-01	6.25080E-01	5.14110E-01	9.94920E-01
2.66180E+03	8.22310E-01	6.25160E-01	5.14080E-01	9.94850E-01
2.66200E+03	8.22140E-01	6.25240E-01	5.14030E-01	9.94760E-01
2.66220E+03	8.21960E-01	6.25180E-01	5.13870E-01	9.94450E-01
2.66240E+03	8.21780E-01	6.25120E-01	5.13710E-01	9.94130E-01
2.66260E+03	8.21580E-01	6.25060E-01	5.13540E-01	9.93800E-01
2.66280E+03	8.21380E-01	6.25000E-01	5.13360E-01	9.93460E-01
2.66300E+03	8.21160E-01	6.24940E-01	5.13180E-01	9.93100E-01
2.66320E+03	8.20940E-01	6.24880E-01	5.12980E-01	9.92730E-01
2.66340E+03	8.20700E-01	6.24810E-01	5.12790E-01	9.92350E-01
2.66360E+03	8.20460E-01	6.24750E-01	5.12580E-01	9.91950E-01
2.66380E+03	8.20200E-01	6.24580E-01	5.12280E-01	9.91380E-01
2.66400E+03	8.19930E-01	6.24430E-01	5.11990E-01	9.90810E-01
2.66420E+03	8.19650E-01	6.24370E-01	5.11760E-01	9.90360E-01
2.66440E+03	8.19350E-01	6.24300E-01	5.11520E-01	9.89900E-01
2.66460E+03	8.19030E-01	6.24240E-01	5.11270E-01	9.89420E-01
2.66480E+03	8.18700E-01	6.24180E-01	5.11010E-01	9.88920E-01
2.66500E+03	8.18350E-01	6.24110E-01	5.10740E-01	9.88400E-01
2.66520E+03	8.17980E-01	6.24070E-01	5.10480E-01	9.87890E-01
2.66540E+03	8.17600E-01	6.24030E-01	5.10200E-01	9.87350E-01
2.66560E+03	8.17190E-01	6.23990E-01	5.09920E-01	9.86800E-01
2.66580E+03	8.16760E-01	6.23950E-01	5.09620E-01	9.86220E-01
2.66600E+03	8.16310E-01	6.23920E-01	5.09320E-01	9.85640E-01

2.66620E+03	8.15850E-01	6.23970E-01	5.09060E-01	9.85140E-01
2.66640E+03	8.15350E-01	6.24020E-01	5.08800E-01	9.84630E-01
2.66660E+03	8.14840E-01	6.24070E-01	5.08520E-01	9.84090E-01
2.66680E+03	8.14310E-01	6.24120E-01	5.08230E-01	9.83530E-01
2.66700E+03	8.13750E-01	6.24170E-01	5.07920E-01	9.82930E-01
2.66720E+03	8.13180E-01	6.24220E-01	5.07600E-01	9.82310E-01
2.66740E+03	8.12580E-01	6.24270E-01	5.07260E-01	9.81660E-01
2.66760E+03	8.11960E-01	6.24310E-01	5.06920E-01	9.80990E-01
2.66780E+03	8.11320E-01	6.24360E-01	5.06560E-01	9.80290E-01
2.66800E+03	8.10660E-01	6.24410E-01	5.06180E-01	9.79570E-01
2.66820E+03	8.09980E-01	6.24340E-01	5.05700E-01	9.78640E-01
2.66840E+03	8.09290E-01	6.24260E-01	5.05210E-01	9.77690E-01
2.66860E+03	8.08580E-01	6.24190E-01	5.04700E-01	9.76710E-01
2.66880E+03	8.07850E-01	6.24110E-01	5.04190E-01	9.75710E-01
2.66900E+03	8.07100E-01	6.24040E-01	5.03660E-01	9.74690E-01
2.66920E+03	8.06340E-01	6.23960E-01	5.03130E-01	9.73660E-01
2.66940E+03	8.05570E-01	6.23890E-01	5.02590E-01	9.72620E-01
2.66960E+03	8.04790E-01	6.23820E-01	5.02040E-01	9.71560E-01
2.66980E+03	8.03990E-01	6.23750E-01	5.01480E-01	9.70480E-01
2.67000E+03	8.03170E-01	6.23680E-01	5.00920E-01	9.69390E-01
2.67020E+03	8.02350E-01	6.23610E-01	5.00360E-01	9.68290E-01
2.67040E+03	8.01520E-01	6.23710E-01	4.99910E-01	9.67440E-01
2.67060E+03	8.00670E-01	6.23810E-01	4.99470E-01	9.66570E-01
2.67080E+03	7.99820E-01	6.23910E-01	4.99010E-01	9.65690E-01
2.67100E+03	7.98950E-01	6.24010E-01	4.98550E-01	9.64800E-01
2.67120E+03	7.98080E-01	6.24100E-01	4.98080E-01	9.63890E-01
2.67140E+03	7.97190E-01	6.24200E-01	4.97600E-01	9.62970E-01
2.67160E+03	7.96290E-01	6.24290E-01	4.97120E-01	9.62030E-01
2.67180E+03	7.95380E-01	6.24390E-01	4.96630E-01	9.61080E-01
2.67200E+03	7.94460E-01	6.24490E-01	4.96130E-01	9.60110E-01
2.67220E+03	7.93530E-01	6.24500E-01	4.95560E-01	9.59020E-01
2.67240E+03	7.92580E-01	6.24520E-01	4.94980E-01	9.57900E-01
2.67260E+03	7.91620E-01	6.24470E-01	4.94350E-01	9.56670E-01
2.67280E+03	7.90650E-01	6.24430E-01	4.93700E-01	9.55420E-01
2.67300E+03	7.89660E-01	6.24380E-01	4.93050E-01	9.54160E-01
2.67320E+03	7.88660E-01	6.24340E-01	4.92390E-01	9.52880E-01
2.67340E+03	7.87640E-01	6.24300E-01	4.91720E-01	9.51590E-01
2.67360E+03	7.86610E-01	6.24260E-01	4.91050E-01	9.50280E-01
2.67380E+03	7.85560E-01	6.24220E-01	4.90360E-01	9.48950E-01
2.67400E+03	7.84490E-01	6.24180E-01	4.89660E-01	9.47600E-01
2.67420E+03	7.83400E-01	6.24270E-01	4.89060E-01	9.46430E-01
2.67440E+03	7.82300E-01	6.24360E-01	4.88440E-01	9.45240E-01
2.67460E+03	7.81180E-01	6.24460E-01	4.87820E-01	9.44030E-01

2.67480E+03	7.80050E-01	6.24410E-01	4.87070E-01	9.42590E-01
2.67500E+03	7.78900E-01	6.24360E-01	4.86320E-01	9.41130E-01
2.67520E+03	7.77730E-01	6.24300E-01	4.85540E-01	9.39620E-01
2.67540E+03	7.76550E-01	6.24240E-01	4.84750E-01	9.38100E-01
2.67560E+03	7.75350E-01	6.24170E-01	4.83960E-01	9.36560E-01
2.67580E+03	7.74150E-01	6.24110E-01	4.83150E-01	9.35000E-01
2.67600E+03	7.72930E-01	6.24050E-01	4.82340E-01	9.33430E-01
2.67620E+03	7.71690E-01	6.24020E-01	4.81550E-01	9.31910E-01
2.67640E+03	7.70460E-01	6.24000E-01	4.80760E-01	9.30380E-01
2.67660E+03	7.69210E-01	6.23980E-01	4.79970E-01	9.28840E-01
2.67680E+03	7.67960E-01	6.23960E-01	4.79170E-01	9.27300E-01
2.67700E+03	7.66710E-01	6.24030E-01	4.78440E-01	9.25890E-01
2.67720E+03	7.65450E-01	6.24090E-01	4.77710E-01	9.24470E-01
2.67740E+03	7.64200E-01	6.24150E-01	4.76970E-01	9.23040E-01
2.67760E+03	7.62950E-01	6.24210E-01	4.76240E-01	9.21620E-01
2.67780E+03	7.61700E-01	6.24270E-01	4.75510E-01	9.20210E-01
2.67800E+03	7.60460E-01	6.24330E-01	4.74780E-01	9.18800E-01
2.67820E+03	7.59240E-01	6.24370E-01	4.74040E-01	9.17380E-01
2.67840E+03	7.58020E-01	6.24410E-01	4.73310E-01	9.15960E-01
2.67860E+03	7.56810E-01	6.24450E-01	4.72590E-01	9.14570E-01
2.67880E+03	7.55620E-01	6.24490E-01	4.71880E-01	9.13180E-01
2.67900E+03	7.54440E-01	6.24530E-01	4.71170E-01	9.11820E-01
2.67920E+03	7.53280E-01	6.24450E-01	4.70390E-01	9.10310E-01
2.67940E+03	7.52140E-01	6.24370E-01	4.69620E-01	9.08810E-01
2.67960E+03	7.51020E-01	6.24290E-01	4.68860E-01	9.07340E-01
2.67980E+03	7.49920E-01	6.24220E-01	4.68110E-01	9.05890E-01
2.68000E+03	7.48830E-01	6.24140E-01	4.67370E-01	9.04470E-01
2.68020E+03	7.47770E-01	6.23960E-01	4.66580E-01	9.02920E-01
2.68040E+03	7.46720E-01	6.23770E-01	4.65780E-01	9.01380E-01
2.68060E+03	7.45700E-01	6.23570E-01	4.65000E-01	8.99870E-01
2.68080E+03	7.44690E-01	6.23380E-01	4.64220E-01	8.98370E-01
2.68100E+03	7.43700E-01	6.23190E-01	4.63470E-01	8.96910E-01
2.68120E+03	7.42730E-01	6.23000E-01	4.62720E-01	8.95460E-01
2.68140E+03	7.41780E-01	6.23100E-01	4.62210E-01	8.94470E-01
2.68160E+03	7.40850E-01	6.23210E-01	4.61710E-01	8.93500E-01
2.68180E+03	7.39920E-01	6.23320E-01	4.61210E-01	8.92540E-01
2.68200E+03	7.39020E-01	6.23430E-01	4.60730E-01	8.91610E-01
2.68220E+03	7.38120E-01	6.23510E-01	4.60230E-01	8.90640E-01
2.68240E+03	7.37240E-01	6.23590E-01	4.59740E-01	8.89690E-01
2.68260E+03	7.36370E-01	6.23670E-01	4.59250E-01	8.88760E-01
2.68280E+03	7.35510E-01	6.23750E-01	4.58780E-01	8.87830E-01
2.68300E+03	7.34650E-01	6.23830E-01	4.58300E-01	8.86910E-01
2.68320E+03	7.33810E-01	6.23910E-01	4.57830E-01	8.86010E-01

2.68340E+03	7.32970E-01	6.23990E-01	4.57370E-01	8.85110E-01
2.68360E+03	7.32140E-01	6.23930E-01	4.56800E-01	8.84020E-01
2.68380E+03	7.31310E-01	6.23870E-01	4.56250E-01	8.82930E-01
2.68400E+03	7.30490E-01	6.23810E-01	4.55690E-01	8.81860E-01
2.68420E+03	7.29680E-01	6.23780E-01	4.55160E-01	8.80830E-01
2.68440E+03	7.28870E-01	6.23750E-01	4.54630E-01	8.79820E-01
2.68460E+03	7.28070E-01	6.23720E-01	4.54110E-01	8.78810E-01
2.68480E+03	7.27280E-01	6.23690E-01	4.53590E-01	8.77800E-01
2.68500E+03	7.26490E-01	6.23660E-01	4.53080E-01	8.76810E-01
2.68520E+03	7.25710E-01	6.23640E-01	4.52580E-01	8.75850E-01
2.68540E+03	7.24940E-01	6.23630E-01	4.52090E-01	8.74900E-01
2.68560E+03	7.24180E-01	6.23610E-01	4.51610E-01	8.73960E-01
2.68580E+03	7.23430E-01	6.23440E-01	4.51020E-01	8.72820E-01
2.68600E+03	7.22700E-01	6.23270E-01	4.50440E-01	8.71690E-01
2.68620E+03	7.21970E-01	6.23000E-01	4.49790E-01	8.70440E-01
2.68640E+03	7.21270E-01	6.22730E-01	4.49150E-01	8.69210E-01
2.68660E+03	7.20570E-01	6.22460E-01	4.48520E-01	8.67990E-01
2.68680E+03	7.19900E-01	6.22180E-01	4.47910E-01	8.66790E-01
2.68700E+03	7.19240E-01	6.21910E-01	4.47300E-01	8.65620E-01
2.68720E+03	7.18600E-01	6.21640E-01	4.46710E-01	8.64480E-01
2.68740E+03	7.17990E-01	6.21370E-01	4.46130E-01	8.63360E-01
2.68760E+03	7.17390E-01	6.21090E-01	4.45570E-01	8.62270E-01
2.68780E+03	7.16820E-01	6.20820E-01	4.45020E-01	8.61210E-01
2.68800E+03	7.16270E-01	6.20690E-01	4.44580E-01	8.60360E-01
2.68820E+03	7.15750E-01	6.20660E-01	4.44240E-01	8.59690E-01
2.68840E+03	7.15250E-01	6.20640E-01	4.43910E-01	8.59060E-01
2.68860E+03	7.14770E-01	6.20590E-01	4.43580E-01	8.58430E-01
2.68880E+03	7.14330E-01	6.20550E-01	4.43280E-01	8.57830E-01
2.68900E+03	7.13900E-01	6.20510E-01	4.42980E-01	8.57270E-01
2.68920E+03	7.13510E-01	6.20460E-01	4.42700E-01	8.56720E-01
2.68940E+03	7.13140E-01	6.20410E-01	4.42440E-01	8.56210E-01
2.68960E+03	7.12790E-01	6.20360E-01	4.42190E-01	8.55730E-01
2.68980E+03	7.12470E-01	6.20310E-01	4.41950E-01	8.55270E-01
2.69000E+03	7.12180E-01	6.20260E-01	4.41730E-01	8.54850E-01
2.69020E+03	7.11910E-01	6.20040E-01	4.41410E-01	8.54230E-01
2.69040E+03	7.11660E-01	6.19830E-01	4.41110E-01	8.53650E-01
2.69060E+03	7.11440E-01	6.19620E-01	4.40820E-01	8.53090E-01
2.69080E+03	7.11250E-01	6.19410E-01	4.40550E-01	8.52560E-01
2.69100E+03	7.11070E-01	6.19200E-01	4.40290E-01	8.52060E-01
2.69120E+03	7.10920E-01	6.18980E-01	4.40040E-01	8.51580E-01
2.69140E+03	7.10790E-01	6.18760E-01	4.39810E-01	8.51130E-01
2.69160E+03	7.10680E-01	6.18550E-01	4.39590E-01	8.50700E-01
2.69180E+03	7.10600E-01	6.18330E-01	4.39380E-01	8.50300E-01

2.69200E+03	7.10530E-01	6.18110E-01	4.39190E-01	8.49920E-01
2.69220E+03	7.10490E-01	6.17880E-01	4.39000E-01	8.49550E-01
2.69240E+03	7.10460E-01	6.17730E-01	4.38870E-01	8.49310E-01
2.69260E+03	7.10460E-01	6.17570E-01	4.38760E-01	8.49090E-01
2.69280E+03	7.10470E-01	6.17410E-01	4.38650E-01	8.48890E-01
2.69300E+03	7.10510E-01	6.17250E-01	4.38570E-01	8.48720E-01
2.69320E+03	7.10570E-01	6.17100E-01	4.38490E-01	8.48570E-01
2.69340E+03	7.10640E-01	6.16950E-01	4.38430E-01	8.48450E-01
2.69360E+03	7.10740E-01	6.16790E-01	4.38380E-01	8.48350E-01
2.69380E+03	7.10850E-01	6.16640E-01	4.38340E-01	8.48280E-01
2.69400E+03	7.10990E-01	6.16510E-01	4.38330E-01	8.48260E-01
2.69420E+03	7.11140E-01	6.16540E-01	4.38450E-01	8.48490E-01
2.69440E+03	7.11310E-01	6.16580E-01	4.38580E-01	8.48750E-01
2.69460E+03	7.11500E-01	6.16700E-01	4.38790E-01	8.49150E-01
2.69480E+03	7.11710E-01	6.16830E-01	4.39010E-01	8.49570E-01
2.69500E+03	7.11940E-01	6.16960E-01	4.39240E-01	8.50020E-01
2.69520E+03	7.12190E-01	6.17080E-01	4.39480E-01	8.50480E-01
2.69540E+03	7.12450E-01	6.17200E-01	4.39730E-01	8.50960E-01
2.69560E+03	7.12730E-01	6.17320E-01	4.39980E-01	8.51460E-01
2.69580E+03	7.13020E-01	6.17450E-01	4.40250E-01	8.51980E-01
2.69600E+03	7.13330E-01	6.17570E-01	4.40530E-01	8.52530E-01
2.69620E+03	7.13650E-01	6.17710E-01	4.40830E-01	8.53100E-01
2.69640E+03	7.13990E-01	6.17850E-01	4.41130E-01	8.53690E-01
2.69660E+03	7.14330E-01	6.17980E-01	4.41450E-01	8.54290E-01
2.69680E+03	7.14690E-01	6.18110E-01	4.41760E-01	8.54890E-01
2.69700E+03	7.15060E-01	6.18230E-01	4.42070E-01	8.55510E-01
2.69720E+03	7.15430E-01	6.18360E-01	4.42400E-01	8.56140E-01
2.69740E+03	7.15820E-01	6.18500E-01	4.42730E-01	8.56780E-01
2.69760E+03	7.16200E-01	6.18630E-01	4.43060E-01	8.57420E-01
2.69780E+03	7.16590E-01	6.18760E-01	4.43400E-01	8.58070E-01
2.69800E+03	7.16980E-01	6.18890E-01	4.43740E-01	8.58720E-01
2.69820E+03	7.17380E-01	6.18870E-01	4.43960E-01	8.59160E-01
2.69840E+03	7.17770E-01	6.18800E-01	4.44160E-01	8.59540E-01
2.69860E+03	7.18160E-01	6.18740E-01	4.44350E-01	8.59920E-01
2.69880E+03	7.18540E-01	6.18680E-01	4.44550E-01	8.60300E-01
2.69900E+03	7.18920E-01	6.18480E-01	4.44640E-01	8.60470E-01
2.69920E+03	7.19290E-01	6.18270E-01	4.44720E-01	8.60630E-01
2.69940E+03	7.19660E-01	6.18070E-01	4.44800E-01	8.60780E-01
2.69960E+03	7.20010E-01	6.17870E-01	4.44870E-01	8.60920E-01
2.69980E+03	7.20350E-01	6.17670E-01	4.44930E-01	8.61040E-01
2.70000E+03	7.20670E-01	6.17470E-01	4.44990E-01	8.61150E-01
2.70020E+03	7.20980E-01	6.17330E-01	4.45080E-01	8.61330E-01
2.70040E+03	7.21270E-01	6.17190E-01	4.45160E-01	8.61480E-01

2.70060E+03	7.21540E-01	6.17050E-01	4.45230E-01	8.61610E-01
2.70080E+03	7.21790E-01	6.16920E-01	4.45280E-01	8.61710E-01
2.70100E+03	7.22010E-01	6.16780E-01	4.45320E-01	8.61790E-01
2.70120E+03	7.22200E-01	6.16700E-01	4.45380E-01	8.61900E-01
2.70140E+03	7.22370E-01	6.16610E-01	4.45420E-01	8.61990E-01
2.70160E+03	7.22500E-01	6.16530E-01	4.45440E-01	8.62030E-01
2.70180E+03	7.22600E-01	6.16440E-01	4.45450E-01	8.62030E-01
2.70200E+03	7.22670E-01	6.16360E-01	4.45420E-01	8.61990E-01
2.70220E+03	7.22690E-01	6.16250E-01	4.45360E-01	8.61870E-01
2.70240E+03	7.22670E-01	6.16150E-01	4.45270E-01	8.61700E-01
2.70260E+03	7.22610E-01	6.16040E-01	4.45160E-01	8.61480E-01
2.70280E+03	7.22500E-01	6.15940E-01	4.45010E-01	8.61190E-01
2.70300E+03	7.22330E-01	6.15830E-01	4.44830E-01	8.60850E-01
2.70320E+03	7.22110E-01	6.15720E-01	4.44620E-01	8.60430E-01
2.70340E+03	7.21820E-01	6.15630E-01	4.44370E-01	8.59960E-01
2.70360E+03	7.21480E-01	6.15540E-01	4.44090E-01	8.59420E-01
2.70380E+03	7.21060E-01	6.15440E-01	4.43770E-01	8.58800E-01
2.70400E+03	7.20580E-01	6.15350E-01	4.43410E-01	8.58090E-01
2.70420E+03	7.20020E-01	6.15310E-01	4.43030E-01	8.57360E-01
2.70440E+03	7.19390E-01	6.15270E-01	4.42610E-01	8.56550E-01
2.70460E+03	7.18670E-01	6.15230E-01	4.42150E-01	8.55650E-01
2.70480E+03	7.17870E-01	6.15190E-01	4.41620E-01	8.54640E-01
2.70500E+03	7.16980E-01	6.15150E-01	4.41050E-01	8.53520E-01
2.70520E+03	7.16000E-01	6.15110E-01	4.40410E-01	8.52300E-01
2.70540E+03	7.14920E-01	6.15070E-01	4.39720E-01	8.50960E-01
2.70560E+03	7.13740E-01	6.15040E-01	4.38980E-01	8.49520E-01
2.70580E+03	7.12470E-01	6.15010E-01	4.38170E-01	8.47960E-01
2.70600E+03	7.11090E-01	6.14970E-01	4.37300E-01	8.46270E-01
2.70620E+03	7.09600E-01	6.14930E-01	4.36360E-01	8.44450E-01
2.70640E+03	7.08010E-01	6.14890E-01	4.35350E-01	8.42490E-01
2.70660E+03	7.06310E-01	6.14850E-01	4.34270E-01	8.40410E-01
2.70680E+03	7.04500E-01	6.14800E-01	4.33130E-01	8.38190E-01
2.70700E+03	7.02570E-01	6.14760E-01	4.31910E-01	8.35850E-01
2.70720E+03	7.00530E-01	6.14730E-01	4.30640E-01	8.33380E-01
2.70740E+03	6.98370E-01	6.14710E-01	4.29300E-01	8.30780E-01
2.70760E+03	6.96100E-01	6.14680E-01	4.27880E-01	8.28040E-01
2.70780E+03	6.93710E-01	6.14640E-01	4.26380E-01	8.25150E-01
2.70800E+03	6.91210E-01	6.14590E-01	4.24810E-01	8.22090E-01
2.70820E+03	6.88580E-01	6.14450E-01	4.23100E-01	8.18790E-01
2.70840E+03	6.85840E-01	6.14290E-01	4.21310E-01	8.15320E-01
2.70860E+03	6.82980E-01	6.14120E-01	4.19430E-01	8.11690E-01
2.70880E+03	6.80010E-01	6.13950E-01	4.17490E-01	8.07930E-01
2.70900E+03	6.76910E-01	6.13780E-01	4.15470E-01	8.04030E-01

2.70920E+03	6.73700E-01	6.13610E-01	4.13380E-01	7.99990E-01
2.70940E+03	6.70360E-01	6.13430E-01	4.11220E-01	7.95810E-01
2.70960E+03	6.66920E-01	6.13260E-01	4.08990E-01	7.91490E-01
2.70980E+03	6.63350E-01	6.13090E-01	4.06690E-01	7.87040E-01
2.71000E+03	6.59670E-01	6.13070E-01	4.04420E-01	7.82650E-01
2.71020E+03	6.55870E-01	6.13130E-01	4.02130E-01	7.78210E-01
2.71040E+03	6.51950E-01	6.13210E-01	3.99780E-01	7.73660E-01
2.71060E+03	6.47920E-01	6.13280E-01	3.97360E-01	7.68970E-01
2.71080E+03	6.43770E-01	6.13360E-01	3.94860E-01	7.64140E-01
2.71100E+03	6.39500E-01	6.13440E-01	3.92290E-01	7.59170E-01
2.71120E+03	6.35120E-01	6.13510E-01	3.89650E-01	7.54060E-01
2.71140E+03	6.30620E-01	6.13580E-01	3.86940E-01	7.48810E-01
2.71160E+03	6.26010E-01	6.13660E-01	3.84160E-01	7.43420E-01
2.71180E+03	6.21280E-01	6.13730E-01	3.81300E-01	7.37900E-01
2.71200E+03	6.16440E-01	6.13800E-01	3.78370E-01	7.32240E-01
2.71220E+03	6.11490E-01	6.13590E-01	3.75200E-01	7.26100E-01
2.71240E+03	6.06420E-01	6.13370E-01	3.71960E-01	7.19830E-01
2.71260E+03	6.01240E-01	6.13150E-01	3.68650E-01	7.13430E-01
2.71280E+03	5.95960E-01	6.12930E-01	3.65280E-01	7.06900E-01
2.71300E+03	5.90560E-01	6.12710E-01	3.61850E-01	7.00250E-01
2.71320E+03	5.85060E-01	6.12500E-01	3.58350E-01	6.93490E-01
2.71340E+03	5.79460E-01	6.12290E-01	3.54800E-01	6.86600E-01
2.71360E+03	5.73760E-01	6.12070E-01	3.51180E-01	6.79610E-01
2.71380E+03	5.67950E-01	6.11860E-01	3.47510E-01	6.72500E-01
2.71400E+03	5.62050E-01	6.11650E-01	3.43780E-01	6.65280E-01
2.71420E+03	5.56060E-01	6.11590E-01	3.40080E-01	6.58140E-01
2.71440E+03	5.49990E-01	6.11440E-01	3.36280E-01	6.50780E-01
2.71460E+03	5.43820E-01	6.11290E-01	3.32430E-01	6.43330E-01
2.71480E+03	5.37580E-01	6.11130E-01	3.28540E-01	6.35790E-01
2.71500E+03	5.31270E-01	6.10980E-01	3.24590E-01	6.28160E-01
2.71520E+03	5.24880E-01	6.10830E-01	3.20620E-01	6.20460E-01
2.71540E+03	5.18430E-01	6.10690E-01	3.16600E-01	6.12690E-01
2.71560E+03	5.11920E-01	6.10540E-01	3.12550E-01	6.04850E-01
2.71580E+03	5.05360E-01	6.10400E-01	3.08470E-01	5.96950E-01
2.71600E+03	4.98750E-01	6.10260E-01	3.04360E-01	5.89010E-01
2.71620E+03	4.92090E-01	6.10160E-01	3.00260E-01	5.81060E-01
2.71640E+03	4.85400E-01	6.10070E-01	2.96130E-01	5.73070E-01
2.71660E+03	4.78670E-01	6.09910E-01	2.91950E-01	5.64980E-01
2.71680E+03	4.71920E-01	6.09740E-01	2.87750E-01	5.56860E-01
2.71700E+03	4.65150E-01	6.09580E-01	2.83550E-01	5.48730E-01
2.71720E+03	4.58370E-01	6.09420E-01	2.79340E-01	5.40580E-01
2.71740E+03	4.51570E-01	6.09260E-01	2.75130E-01	5.32430E-01
2.71760E+03	4.44770E-01	6.09090E-01	2.70910E-01	5.24260E-01

2.71780E+03	4.37970E-01	6.08910E-01	2.66690E-01	5.16090E-01
2.71800E+03	4.31180E-01	6.08710E-01	2.62460E-01	5.07920E-01
2.71820E+03	4.24390E-01	6.08390E-01	2.58200E-01	4.99670E-01
2.71840E+03	4.17620E-01	6.08070E-01	2.53940E-01	4.91440E-01
2.71860E+03	4.10870E-01	6.07750E-01	2.49710E-01	4.83240E-01
2.71880E+03	4.04140E-01	6.07540E-01	2.45530E-01	4.75150E-01
2.71900E+03	3.97430E-01	6.07330E-01	2.41370E-01	4.67100E-01
2.71920E+03	3.90750E-01	6.07110E-01	2.37230E-01	4.59090E-01
2.71940E+03	3.84100E-01	6.06890E-01	2.33110E-01	4.51120E-01
2.71960E+03	3.77490E-01	6.06670E-01	2.29010E-01	4.43190E-01
2.71980E+03	3.70920E-01	6.06450E-01	2.24940E-01	4.35310E-01
2.72000E+03	3.64380E-01	6.06230E-01	2.20900E-01	4.27480E-01
2.72020E+03	3.57880E-01	6.06100E-01	2.16910E-01	4.19770E-01
2.72040E+03	3.51430E-01	6.05960E-01	2.12950E-01	4.12110E-01
2.72060E+03	3.45030E-01	6.05820E-01	2.09030E-01	4.04510E-01
2.72080E+03	3.38670E-01	6.05690E-01	2.05130E-01	3.96970E-01
2.72100E+03	3.32370E-01	6.05540E-01	2.01260E-01	3.89490E-01
2.72120E+03	3.26120E-01	6.05390E-01	1.97430E-01	3.82070E-01
2.72140E+03	3.19920E-01	6.05240E-01	1.93630E-01	3.74720E-01
2.72160E+03	3.13780E-01	6.05100E-01	1.89870E-01	3.67440E-01
2.72180E+03	3.07710E-01	6.04950E-01	1.86150E-01	3.60230E-01
2.72200E+03	3.01690E-01	6.04820E-01	1.82470E-01	3.53110E-01
2.72220E+03	2.95730E-01	6.04810E-01	1.78860E-01	3.46140E-01
2.72240E+03	2.89850E-01	6.04810E-01	1.75300E-01	3.39250E-01
2.72260E+03	2.84030E-01	6.04800E-01	1.71780E-01	3.32430E-01
2.72280E+03	2.78280E-01	6.04800E-01	1.68300E-01	3.25700E-01
2.72300E+03	2.72600E-01	6.04800E-01	1.64870E-01	3.19050E-01
2.72320E+03	2.67000E-01	6.04830E-01	1.61490E-01	3.12510E-01
2.72340E+03	2.61470E-01	6.04860E-01	1.58150E-01	3.06060E-01
2.72360E+03	2.56030E-01	6.04890E-01	1.54870E-01	2.99700E-01
2.72380E+03	2.50660E-01	6.04930E-01	1.51630E-01	2.93440E-01
2.72400E+03	2.45380E-01	6.04950E-01	1.48440E-01	2.87270E-01
2.72420E+03	2.40180E-01	6.04880E-01	1.45280E-01	2.81150E-01
2.72440E+03	2.35070E-01	6.04810E-01	1.42170E-01	2.75130E-01
2.72460E+03	2.30040E-01	6.04740E-01	1.39110E-01	2.69220E-01
2.72480E+03	2.25100E-01	6.04670E-01	1.36110E-01	2.63410E-01
2.72500E+03	2.20250E-01	6.04600E-01	1.33160E-01	2.57700E-01
2.72520E+03	2.15500E-01	6.04530E-01	1.30270E-01	2.52110E-01
2.72540E+03	2.10830E-01	6.04560E-01	1.27460E-01	2.46660E-01
2.72560E+03	2.06250E-01	6.04590E-01	1.24690E-01	2.41310E-01
2.72580E+03	2.01760E-01	6.04620E-01	1.21990E-01	2.36070E-01
2.72600E+03	1.97360E-01	6.04640E-01	1.19330E-01	2.30930E-01
2.72620E+03	1.93050E-01	6.04590E-01	1.16710E-01	2.25870E-01

2.72640E+03	1.88820E-01	6.04540E-01	1.14150E-01	2.20900E-01
2.72660E+03	1.84690E-01	6.04490E-01	1.11640E-01	2.16050E-01
2.72680E+03	1.80630E-01	6.04440E-01	1.09180E-01	2.11290E-01
2.72700E+03	1.76670E-01	6.04380E-01	1.06770E-01	2.06630E-01
2.72720E+03	1.72780E-01	6.04310E-01	1.04410E-01	2.02060E-01
2.72740E+03	1.68980E-01	6.04250E-01	1.02100E-01	1.97590E-01
2.72760E+03	1.65250E-01	6.04110E-01	9.98310E-02	1.93190E-01
2.72780E+03	1.61610E-01	6.03970E-01	9.76050E-02	1.88890E-01
2.72800E+03	1.58030E-01	6.03840E-01	9.54270E-02	1.84670E-01
2.72820E+03	1.54540E-01	6.03880E-01	9.33210E-02	1.80600E-01
2.72840E+03	1.51110E-01	6.03920E-01	9.12590E-02	1.76610E-01
2.72860E+03	1.47760E-01	6.03960E-01	8.92390E-02	1.72700E-01
2.72880E+03	1.44470E-01	6.04000E-01	8.72600E-02	1.68870E-01
2.72900E+03	1.41250E-01	6.04040E-01	8.53220E-02	1.65120E-01
2.72920E+03	1.38100E-01	6.04080E-01	8.34250E-02	1.61440E-01
2.72940E+03	1.35020E-01	6.04130E-01	8.15670E-02	1.57850E-01
2.72960E+03	1.31990E-01	6.04170E-01	7.97460E-02	1.54330E-01
2.72980E+03	1.29040E-01	6.04200E-01	7.79640E-02	1.50880E-01
2.73000E+03	1.26140E-01	6.04230E-01	7.62180E-02	1.47500E-01
2.73020E+03	1.23310E-01	6.04150E-01	7.44970E-02	1.44170E-01
2.73040E+03	1.20540E-01	6.04060E-01	7.28140E-02	1.40910E-01
2.73060E+03	1.17830E-01	6.03980E-01	7.11680E-02	1.37730E-01
2.73080E+03	1.15180E-01	6.03900E-01	6.95590E-02	1.34610E-01
2.73100E+03	1.12600E-01	6.03820E-01	6.79880E-02	1.31570E-01
2.73120E+03	1.10070E-01	6.03740E-01	6.64540E-02	1.28600E-01
2.73140E+03	1.07600E-01	6.03660E-01	6.49560E-02	1.25700E-01
2.73160E+03	1.05200E-01	6.03580E-01	6.34940E-02	1.22870E-01
2.73180E+03	1.02850E-01	6.03500E-01	6.20690E-02	1.20120E-01
2.73200E+03	1.00560E-01	6.03270E-01	6.06650E-02	1.17400E-01
2.73220E+03	9.83280E-02	6.02880E-01	5.92800E-02	1.14720E-01
2.73240E+03	9.61540E-02	6.02470E-01	5.79300E-02	1.12110E-01
2.73260E+03	9.40350E-02	6.02070E-01	5.66150E-02	1.09560E-01
2.73280E+03	9.19700E-02	6.01660E-01	5.53340E-02	1.07080E-01
2.73300E+03	8.99580E-02	6.01250E-01	5.40870E-02	1.04670E-01
2.73320E+03	8.79980E-02	6.00840E-01	5.28720E-02	1.02320E-01
2.73340E+03	8.60860E-02	6.00420E-01	5.16880E-02	1.00030E-01
2.73360E+03	8.42230E-02	6.00010E-01	5.05340E-02	9.77950E-02
2.73380E+03	8.24040E-02	5.99600E-01	4.94090E-02	9.56170E-02
2.73400E+03	8.06280E-02	5.99180E-01	4.83110E-02	9.34920E-02
2.73420E+03	7.88920E-02	5.98920E-01	4.72500E-02	9.14390E-02
2.73440E+03	7.71950E-02	5.98660E-01	4.62130E-02	8.94330E-02
2.73460E+03	7.55330E-02	5.98400E-01	4.51990E-02	8.74690E-02
2.73480E+03	7.39040E-02	5.98140E-01	4.42040E-02	8.55450E-02

2.73500E+03	7.23050E-02	5.97880E-01	4.32290E-02	8.36580E-02
2.73520E+03	7.07350E-02	5.97640E-01	4.22740E-02	8.18100E-02
2.73540E+03	6.91920E-02	5.97400E-01	4.13350E-02	7.99920E-02
2.73560E+03	6.76720E-02	5.97170E-01	4.04120E-02	7.82050E-02
2.73580E+03	6.61750E-02	5.96930E-01	3.95020E-02	7.64450E-02
2.73600E+03	6.47000E-02	5.96710E-01	3.86070E-02	7.47130E-02
2.73620E+03	6.32450E-02	5.96660E-01	3.77360E-02	7.30270E-02
2.73640E+03	6.18090E-02	5.96740E-01	3.68840E-02	7.13780E-02
2.73660E+03	6.03920E-02	5.96830E-01	3.60430E-02	6.97510E-02
2.73680E+03	5.89930E-02	5.96910E-01	3.52140E-02	6.81460E-02
2.73700E+03	5.76140E-02	5.96990E-01	3.43950E-02	6.65620E-02
2.73720E+03	5.62540E-02	5.97080E-01	3.35880E-02	6.50010E-02
2.73740E+03	5.49150E-02	5.97170E-01	3.27940E-02	6.34630E-02
2.73760E+03	5.35980E-02	5.97260E-01	3.20120E-02	6.19500E-02
2.73780E+03	5.23050E-02	5.97340E-01	3.12440E-02	6.04630E-02
2.73800E+03	5.10360E-02	5.97420E-01	3.04900E-02	5.90050E-02
2.73820E+03	5.09930E-02	5.97410E-01	3.04640E-02	5.89540E-02
2.73840E+03	4.98430E-02	5.97390E-01	2.97760E-02	5.76220E-02
2.73860E+03	4.87240E-02	5.97150E-01	2.90950E-02	5.63060E-02
2.73880E+03	4.76360E-02	5.96920E-01	2.84350E-02	5.50270E-02
2.73900E+03	4.65800E-02	5.96680E-01	2.77930E-02	5.37860E-02
2.73920E+03	4.55570E-02	5.96440E-01	2.71720E-02	5.25830E-02
2.73940E+03	4.45650E-02	5.96200E-01	2.65700E-02	5.14190E-02
2.73960E+03	4.36060E-02	5.95970E-01	2.59880E-02	5.02920E-02
2.73980E+03	4.26790E-02	5.95730E-01	2.54250E-02	4.92020E-02
2.74000E+03	4.17830E-02	5.95490E-01	2.48810E-02	4.81510E-02
2.74020E+03	4.09180E-02	5.95270E-01	2.43580E-02	4.71370E-02
2.74040E+03	4.00840E-02	5.95060E-01	2.38530E-02	4.61600E-02
2.74060E+03	3.92810E-02	5.94840E-01	2.33660E-02	4.52180E-02
2.74080E+03	3.85060E-02	5.94530E-01	2.28930E-02	4.43020E-02
2.74100E+03	3.77580E-02	5.94220E-01	2.24370E-02	4.34200E-02
2.74120E+03	3.70380E-02	5.93910E-01	2.19970E-02	4.25700E-02
2.74140E+03	3.63430E-02	5.93600E-01	2.15730E-02	4.17490E-02
2.74160E+03	3.56720E-02	5.93290E-01	2.11640E-02	4.09570E-02
2.74180E+03	3.50230E-02	5.92990E-01	2.07680E-02	4.01910E-02
2.74200E+03	3.43950E-02	5.92670E-01	2.03850E-02	3.94490E-02
2.74220E+03	3.37860E-02	5.92330E-01	2.00120E-02	3.87280E-02
2.74240E+03	3.31930E-02	5.91980E-01	1.96500E-02	3.80260E-02
2.74260E+03	3.26160E-02	5.91630E-01	1.92970E-02	3.73430E-02
2.74280E+03	3.20510E-02	5.91290E-01	1.89520E-02	3.66750E-02
2.74300E+03	3.14990E-02	5.91040E-01	1.86170E-02	3.60280E-02
2.74320E+03	3.09560E-02	5.90800E-01	1.82890E-02	3.53920E-02
2.74340E+03	3.04200E-02	5.90570E-01	1.79650E-02	3.47670E-02

2.74360E+03	2.98910E-02	5.90330E-01	1.76460E-02	3.41480E-02
2.74380E+03	2.93670E-02	5.90100E-01	1.73290E-02	3.35360E-02
2.74400E+03	2.88450E-02	5.89860E-01	1.70150E-02	3.29270E-02
2.74420E+03	2.83260E-02	5.89550E-01	1.67000E-02	3.23180E-02
2.74440E+03	2.78090E-02	5.89240E-01	1.63860E-02	3.17100E-02
2.74460E+03	2.72910E-02	5.88930E-01	1.60720E-02	3.11030E-02
2.74480E+03	2.67730E-02	5.88620E-01	1.57590E-02	3.04970E-02
2.74500E+03	2.62540E-02	5.88310E-01	1.54450E-02	2.98900E-02
2.74520E+03	2.57340E-02	5.88100E-01	1.51340E-02	2.92870E-02
2.74540E+03	2.52130E-02	5.87890E-01	1.48220E-02	2.86840E-02
2.74560E+03	2.46910E-02	5.87680E-01	1.45100E-02	2.80810E-02
2.74580E+03	2.41690E-02	5.87470E-01	1.41980E-02	2.74770E-02
2.74600E+03	2.36470E-02	5.87280E-01	1.38870E-02	2.68750E-02
2.74620E+03	2.31260E-02	5.87240E-01	1.35800E-02	2.62810E-02
2.74640E+03	2.26060E-02	5.87200E-01	1.32750E-02	2.56890E-02
2.74660E+03	2.20900E-02	5.87160E-01	1.29700E-02	2.51010E-02
2.74680E+03	2.15780E-02	5.87110E-01	1.26690E-02	2.45170E-02
2.74700E+03	2.10710E-02	5.87070E-01	1.23700E-02	2.39390E-02
2.74720E+03	2.05710E-02	5.87020E-01	1.20760E-02	2.33690E-02
2.74740E+03	2.00790E-02	5.86940E-01	1.17850E-02	2.28070E-02
2.74760E+03	1.95960E-02	5.86850E-01	1.15000E-02	2.22550E-02
2.74780E+03	1.91230E-02	5.86770E-01	1.12210E-02	2.17150E-02
2.74800E+03	1.86630E-02	5.86690E-01	1.09490E-02	2.11890E-02
2.74820E+03	1.82150E-02	5.86550E-01	1.06840E-02	2.06760E-02
2.74840E+03	1.77810E-02	5.86410E-01	1.04270E-02	2.01780E-02
2.74860E+03	1.73610E-02	5.86270E-01	1.01790E-02	1.96980E-02
2.74880E+03	1.69580E-02	5.86130E-01	9.93940E-03	1.92350E-02
2.74900E+03	1.65700E-02	5.85990E-01	9.71000E-03	1.87910E-02
2.74920E+03	1.61990E-02	5.85840E-01	9.49030E-03	1.83660E-02
2.74940E+03	1.58450E-02	5.85700E-01	9.28040E-03	1.79600E-02
2.74960E+03	1.55080E-02	5.85440E-01	9.07870E-03	1.75690E-02
2.74980E+03	1.51870E-02	5.85170E-01	8.88680E-03	1.71980E-02
2.75000E+03	1.48820E-02	5.84920E-01	8.70490E-03	1.68460E-02
2.75020E+03	1.45940E-02	5.84720E-01	8.53330E-03	1.65140E-02
2.75040E+03	1.43200E-02	5.84530E-01	8.37050E-03	1.61990E-02
2.75060E+03	1.40610E-02	5.84330E-01	8.21620E-03	1.59000E-02
2.75080E+03	1.38150E-02	5.84140E-01	8.06980E-03	1.56170E-02
2.75100E+03	1.35810E-02	5.83950E-01	7.93060E-03	1.53470E-02
2.75120E+03	1.33580E-02	5.83750E-01	7.79780E-03	1.50900E-02
2.75140E+03	1.31450E-02	5.83560E-01	7.67090E-03	1.48450E-02
2.75160E+03	1.29400E-02	5.83360E-01	7.54890E-03	1.46090E-02
2.75180E+03	1.27430E-02	5.83230E-01	7.43190E-03	1.43820E-02
2.75200E+03	1.25510E-02	5.83090E-01	7.31820E-03	1.41620E-02

2.75220E+03	1.23630E-02	5.83000E-01	7.20780E-03	1.39490E-02
2.75240E+03	1.21790E-02	5.82950E-01	7.09960E-03	1.37390E-02
2.75260E+03	1.19960E-02	5.82900E-01	6.99260E-03	1.35320E-02
2.75280E+03	1.18150E-02	5.82850E-01	6.88610E-03	1.33260E-02
2.75300E+03	1.16330E-02	5.82800E-01	6.77950E-03	1.31200E-02
2.75320E+03	1.14500E-02	5.82740E-01	6.67230E-03	1.29120E-02
2.75340E+03	1.12650E-02	5.82690E-01	6.56390E-03	1.27030E-02
2.75360E+03	1.10780E-02	5.82630E-01	6.45420E-03	1.24900E-02
2.75380E+03	1.08880E-02	5.82580E-01	6.34290E-03	1.22750E-02
2.75400E+03	1.06950E-02	5.82610E-01	6.23070E-03	1.20580E-02
2.75420E+03	1.04980E-02	5.82540E-01	6.11550E-03	1.18350E-02
2.75440E+03	1.02980E-02	5.82470E-01	5.99850E-03	1.16080E-02
2.75460E+03	1.00960E-02	5.82400E-01	5.87970E-03	1.13790E-02
2.75480E+03	9.89020E-03	5.82330E-01	5.75930E-03	1.11460E-02
2.75500E+03	9.68240E-03	5.82260E-01	5.63760E-03	1.09100E-02
2.75520E+03	9.47280E-03	5.82150E-01	5.51460E-03	1.06720E-02
2.75540E+03	9.26210E-03	5.82050E-01	5.39100E-03	1.04330E-02
2.75560E+03	9.05090E-03	5.81940E-01	5.26710E-03	1.01930E-02
2.75580E+03	8.84000E-03	5.81840E-01	5.14340E-03	9.95370E-03
2.75600E+03	8.63030E-03	5.81730E-01	5.02050E-03	9.71570E-03
2.75620E+03	8.42250E-03	5.81500E-01	4.89770E-03	9.47810E-03
2.75640E+03	8.21750E-03	5.81270E-01	4.77650E-03	9.24360E-03
2.75660E+03	8.01600E-03	5.81030E-01	4.65760E-03	9.01340E-03
2.75680E+03	7.81880E-03	5.80800E-01	4.54120E-03	8.78810E-03
2.75700E+03	7.62670E-03	5.80570E-01	4.42780E-03	8.56880E-03
2.75720E+03	7.44020E-03	5.80330E-01	4.31780E-03	8.35590E-03
2.75740E+03	7.26000E-03	5.80090E-01	4.21150E-03	8.15010E-03
2.75760E+03	7.08650E-03	5.79860E-01	4.10910E-03	7.95210E-03
2.75780E+03	6.92000E-03	5.79620E-01	4.01100E-03	7.76210E-03
2.75800E+03	6.76090E-03	5.79380E-01	3.91710E-03	7.58050E-03
2.75820E+03	6.60920E-03	5.79210E-01	3.82810E-03	7.40820E-03
2.75840E+03	6.46500E-03	5.78990E-01	3.74320E-03	7.24390E-03
2.75860E+03	6.32830E-03	5.78770E-01	3.66260E-03	7.08800E-03
2.75880E+03	6.19880E-03	5.78550E-01	3.58630E-03	6.94030E-03
2.75900E+03	6.07630E-03	5.78330E-01	3.51410E-03	6.80050E-03
2.75920E+03	5.96040E-03	5.78120E-01	3.44580E-03	6.66840E-03
2.75940E+03	5.85080E-03	5.77910E-01	3.38120E-03	6.54340E-03
2.75960E+03	5.74680E-03	5.77700E-01	3.31990E-03	6.42480E-03
2.75980E+03	5.64800E-03	5.77490E-01	3.26170E-03	6.31200E-03
2.76000E+03	5.55380E-03	5.77270E-01	3.20610E-03	6.20440E-03
2.76020E+03	5.46360E-03	5.76980E-01	3.15240E-03	6.10050E-03
2.76040E+03	5.37670E-03	5.76680E-01	3.10070E-03	6.00040E-03
2.76060E+03	5.29260E-03	5.76520E-01	3.05130E-03	5.90490E-03

2.76080E+03	5.21070E-03	5.76350E-01	3.00320E-03	5.81180E-03
2.76100E+03	5.13050E-03	5.76180E-01	2.95610E-03	5.72070E-03
2.76120E+03	5.05140E-03	5.76020E-01	2.90970E-03	5.63090E-03
2.76140E+03	4.97300E-03	5.75850E-01	2.86370E-03	5.54190E-03
2.76160E+03	4.89500E-03	5.75690E-01	2.81800E-03	5.45340E-03
2.76180E+03	4.81700E-03	5.75520E-01	2.77230E-03	5.36500E-03
2.76200E+03	4.73880E-03	5.75360E-01	2.72650E-03	5.27640E-03
2.76220E+03	4.66020E-03	5.75200E-01	2.68050E-03	5.18740E-03
2.76240E+03	4.58120E-03	5.75030E-01	2.63430E-03	5.09800E-03
2.76260E+03	4.50170E-03	5.74870E-01	2.58790E-03	5.00810E-03
2.76280E+03	4.42180E-03	5.74830E-01	2.54180E-03	4.91890E-03
2.76300E+03	4.34170E-03	5.74780E-01	2.49550E-03	4.82940E-03
2.76320E+03	4.26140E-03	5.74740E-01	2.44920E-03	4.73980E-03
2.76340E+03	4.18140E-03	5.74700E-01	2.40310E-03	4.65050E-03
2.76360E+03	4.10190E-03	5.74660E-01	2.35720E-03	4.56170E-03
2.76380E+03	4.02310E-03	5.74620E-01	2.31180E-03	4.47380E-03
2.76400E+03	3.94560E-03	5.74580E-01	2.26710E-03	4.38720E-03
2.76420E+03	3.86960E-03	5.74540E-01	2.22320E-03	4.30240E-03
2.76440E+03	3.79550E-03	5.74490E-01	2.18050E-03	4.21970E-03
2.76460E+03	3.72360E-03	5.74440E-01	2.13900E-03	4.13950E-03
2.76480E+03	3.65450E-03	5.74400E-01	2.09910E-03	4.06220E-03
2.76500E+03	3.58830E-03	5.74260E-01	2.06060E-03	3.98770E-03
2.76520E+03	3.52530E-03	5.74190E-01	2.02420E-03	3.91720E-03
2.76540E+03	3.46580E-03	5.74110E-01	1.98980E-03	3.85060E-03
2.76560E+03	3.41000E-03	5.74040E-01	1.95750E-03	3.78810E-03
2.76580E+03	3.35790E-03	5.73960E-01	1.92730E-03	3.72970E-03
2.76600E+03	3.30960E-03	5.73890E-01	1.89930E-03	3.67560E-03
2.76620E+03	3.26510E-03	5.73750E-01	1.87340E-03	3.62530E-03
2.76640E+03	3.22430E-03	5.73610E-01	1.84950E-03	3.57910E-03
2.76660E+03	3.18690E-03	5.73470E-01	1.82760E-03	3.53680E-03
2.76680E+03	3.15290E-03	5.73330E-01	1.80770E-03	3.49820E-03
2.76700E+03	3.12190E-03	5.73180E-01	1.78940E-03	3.46290E-03
2.76720E+03	3.09360E-03	5.72880E-01	1.77220E-03	3.42970E-03
2.76740E+03	3.06750E-03	5.72580E-01	1.75640E-03	3.39900E-03
2.76760E+03	3.04320E-03	5.72280E-01	1.74160E-03	3.37030E-03
2.76780E+03	3.02030E-03	5.71980E-01	1.72750E-03	3.34320E-03
2.76800E+03	2.99820E-03	5.71680E-01	1.71400E-03	3.31700E-03
2.76820E+03	2.97660E-03	5.71500E-01	1.70110E-03	3.29200E-03
2.76840E+03	2.95480E-03	5.71330E-01	1.68820E-03	3.26690E-03
2.76860E+03	2.93230E-03	5.71160E-01	1.67480E-03	3.24120E-03
2.76880E+03	2.90880E-03	5.70990E-01	1.66090E-03	3.21420E-03
2.76900E+03	2.88370E-03	5.70820E-01	1.64610E-03	3.18560E-03
2.76920E+03	2.85670E-03	5.70650E-01	1.63020E-03	3.15470E-03

2.76940E+03	2.82730E-03	5.70470E-01	1.61290E-03	3.12130E-03
2.76960E+03	2.79520E-03	5.70290E-01	1.59410E-03	3.08490E-03
2.76980E+03	2.76020E-03	5.70110E-01	1.57360E-03	3.04530E-03
2.77000E+03	2.72210E-03	5.69930E-01	1.55140E-03	3.00220E-03
2.77020E+03	2.68060E-03	5.69770E-01	1.52730E-03	2.95560E-03
2.77040E+03	2.63560E-03	5.69610E-01	1.50130E-03	2.90530E-03
2.77060E+03	2.58730E-03	5.69460E-01	1.47330E-03	2.85120E-03
2.77080E+03	2.53550E-03	5.69300E-01	1.44350E-03	2.79340E-03
2.77100E+03	2.48040E-03	5.69170E-01	1.41180E-03	2.73210E-03
2.77120E+03	2.42220E-03	5.69030E-01	1.37830E-03	2.66740E-03
2.77140E+03	2.36110E-03	5.68900E-01	1.34330E-03	2.59950E-03
2.77160E+03	2.29750E-03	5.68870E-01	1.30700E-03	2.52930E-03
2.77180E+03	2.23160E-03	5.68830E-01	1.26940E-03	2.45660E-03
2.77200E+03	2.24800E-03	5.68790E-01	1.27860E-03	2.47440E-03
2.77220E+03	2.14290E-03	5.68840E-01	1.21900E-03	2.35900E-03
2.77240E+03	2.03670E-03	5.68880E-01	1.15860E-03	2.24220E-03
2.77260E+03	1.93030E-03	5.68920E-01	1.09820E-03	2.12530E-03
2.77280E+03	1.82490E-03	5.68960E-01	1.03830E-03	2.00940E-03
2.77300E+03	1.72160E-03	5.69010E-01	9.79580E-04	1.89570E-03
2.77320E+03	1.62110E-03	5.69040E-01	9.22500E-04	1.78520E-03
2.77340E+03	1.52460E-03	5.69080E-01	8.67610E-04	1.67900E-03
2.77360E+03	1.43270E-03	5.69120E-01	8.15380E-04	1.57790E-03
2.77380E+03	1.34630E-03	5.69110E-01	7.66180E-04	1.48270E-03
2.77400E+03	1.26600E-03	5.69090E-01	7.20490E-04	1.39430E-03
2.77420E+03	1.19250E-03	5.68960E-01	6.78490E-04	1.31300E-03
2.77440E+03	1.12630E-03	5.68840E-01	6.40660E-04	1.23980E-03
2.77460E+03	1.06770E-03	5.68710E-01	6.07220E-04	1.17510E-03
2.77480E+03	1.01720E-03	5.68580E-01	5.78350E-04	1.11920E-03
2.77500E+03	0.00000E+00	5.68450E-01	0.00000E+00	0.00000E+00

Table D.4-14 contains the pre- and post-launch calibration slope and intercept values for NOAA-18 HIRS/305 Channel 20.

Table D.4-14. NOAA-18 HIRS/305 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.0245088	70.4722
Post-launch calibration	TBD	TBD

AMSU-A only (AMSU-B not flown on NOAA-18):

Table D.4-15. NOAA-18 AMSU-A1 (S/N 109, ID=33) PRT Temperature Conversion Coefficients.
--

	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count2)	f_{k3} (K/count3)
Scan Motor A1-1	1	264.1476	1.743266E-03	3.348404E-09	1.664095E-14
Scan Motor A1-2	2	263.1678	1.731684E-03	3.541911E-09	1.427281E-14
Feedhorn A1-1	3	263.4037	1.756592E-03	3.025439E-09	2.592502E-14
Feedhorn A1-2	4	263.7585	1.736896E-03	3.524135E-09	9.021489E-15
RF Mux A1-1	5	263.2661	1.734418E-03	3.627309E-09	1.270486E-14
RF Mux A1-2	6	263.6731	1.710861E-03	3.745664E-09	1.954603E-14
L.O. CH 3	7	263.2463	1.736519E-03	3.450645E-09	1.511849E-14
L.O. CH 4	8	263.0471	1.729353E-03	3.629986E-09	1.108148E-14
L.O. CH 5	9	263.4903	1.732073E-03	3.660650E-09	1.059084E-14
L.O. CH 6	10	263.4986	1.743907E-03	3.378800E-09	1.731537E-14
L.O. CH 7	11	263.4426	1.739730E-03	3.231359E-09	1.741037E-14
L.O. CH 8	12	263.1023	1.739080E-03	3.435317E-09	1.558292E-14
L.O. CH 15	13	262.9301	1.733167E-03	3.619563E-09	1.102405E-14
PLLO #2 CH9-14	14	262.2288	1.782365E-03	3.927203E-09	1.074884E-14
PLLO #1 CH9-14	15	263.3337	1.730256E-03	3.892761E-09	6.229168E-15
Not Used	16	263.3337	1.730256E-03	3.892761E-09	6.229168E-15
Mixer/IF CH 3	17	262.5283	1.728151E-03	3.730241E-09	1.055708E-14
Mixer/IF CH 4	18	262.6262	1.735880E-03	3.482120E-09	1.463006E-14
Mixer/IF CH 5	19	263.0344	1.729980E-03	3.817571E-09	1.028369E-14
Mixer/IF CH 6	20	263.3519	1.737770E-03	3.370750E-09	1.684445E-14
Mixer/IF CH 7	21	263.5179	1.740044E-03	3.604026E-09	8.980608E-15
Mixer/IF CH 8	22	262.9976	1.731195E-03	3.710931E-09	1.056478E-14
Mixer/IF CH9 -14	23	262.8521	1.733479E-03	3.670787E-09	1.256491E-14
Mixer/IF CH 15	24	263.6473	1.747099E-03	3.570097E-09	5.402493E-15
IF Amp.CH11 - 14	25	263.3202	1.739659E-03	3.556506E-09	1.392298E-14
IF Amp. CH 9	26	263.3429	1.735609E-03	3.941727E-09	8.254678E-15
IF Amp. Ch.10	27	263.0992	1.736573E-03	3.728037E-09	1.006676E-14
IF Amp. Ch.11	28	263.4255	1.735551E-03	3.770763E-09	5.931839E-15
DC/DC Converter	29	263.7365	1.730352E-03	4.034858E-09	5.881655E-15
IF Amp. Ch.13	30	263.3358	1.738157E-03	3.671254E-09	1.245797E-14
IF Amp. Ch.14	31	263.1836	1.740586E-03	3.337613E-09	1.651644E-14
IF Amp. Ch.12	32	263.4875	1.735195E-03	3.754301E-09	1.074719E-14
RF Shelf A1-1	33	264.1607	1.745635E-03	3.690702E-09	1.142299E-14
RF Shelf A1-2	34	263.4113	1.743746E-03	3.503678E-09	1.460422E-14
Detector/PreAmp	35	263.7069	1.735678E-03	3.727127E-09	1.026177E-14
A1-1WarmLoad#1	36	254.4792	1.632697E-03	5.925882E-09	2.790891E-14
A1-1WarmLoad#2	37	254.9357	1.632574E-03	5.837758E-09	2.895840E-14
A1-1WarmLoad#3	38	254.6461	1.628482E-03	5.867548E-09	2.882307E-14
A1-1WarmLoad#4	39	254.7101	1.628115E-03	5.919407E-09	2.831376E-14
A1-1WmLdCenter	40	254.6003	1.605916E-03	8.652163E-09	-4.137281E-14
A1-2WarmLoad#1	41	255.4882	1.617997E-03	4.542892E-09	6.722034E-14

A1-2WarmLoad#2	42	254.5689	1.632253E-03	5.841521E-09	2.896778E-14
A1-2WarmLoad#3	43	254.4614	1.630541E-03	5.753884E-09	2.950770E-14
A1-2WarmLoad#4	44	254.7519	1.634664E-03	5.835678E-09	2.836517E-14
A1-2WmLdCenter	45	254.8793	1.635115E-03	5.835015E-09	2.919876E-14

Table D.4-16. NOAA-18 AMSU-A2 (S/N 105, ID=18) PRT Temperature Conversion Coefficients.					
	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count2)	f_{k3} (K/count3)
Scan Motor	1	263.5758	1.767645E-03	3.794875E-09	1.261675E-14
Feedhorn	2	263.1411	1.764382E-03	3.661103E-09	1.305692E-14
RF Diplexer	3	263.1864	1.752475E-03	3.844197E-09	1.227221E-14
Mixer/IF Ch 1	4	263.8281	1.754974E-03	3.802008E-09	1.077093E-14
Mixer/IF Ch 2	5	263.7458	1.756229E-03	3.727035E-09	1.308870E-14
Ch1 DRO	6	263.9707	1.758280E-03	3.718871E-09	1.248273E-14
Ch2 DRO	7	263.4596	1.756287E-03	3.826887E-09	1.288159E-14
Compensator motor	8	263.9833	1.757519E-03	3.769221E-09	1.130973E-14
Sub Reflector	9	262.8663	1.756615E-03	3.798051E-09	1.160802E-14
DC/DC Converter	10	263.8742	1.763420E-03	3.708442E-09	1.357872E-14
RF Shelf	11	263.9671	1.752322E-03	4.039884E-09	9.326652E-15
Detector Pre-Amp	12	263.4358	1.750480E-03	3.754149E-09	1.171233E-14
Warm Load Ctr	13	254.7616	1.653192E-03	5.988277E-09	3.101395E-14
Warm Load #1	14	254.5737	1.652519E-03	5.994369E-09	3.214458E-14
Warm Load #2	15	254.6311	1.658779E-03	6.059266E-09	3.010172E-14
Warm Load #3	16	254.8459	1.655427E-03	6.099508E-09	3.020449E-14
Warm Load #4	17	254.8488	1.652000E-03	6.055910E-09	3.032410E-14
Warm Load #5	18	254.7966	1.647523E-03	6.068692E-09	2.974657E-14
Warm Load #6	19	253.904	1.657694E-03	5.929873E-09	3.021740E-14

Table D.4-17 contains the measured channel characteristics for NOAA-18 AMSU-A (channels 1-15). The central frequencies are interpolated from the temperature dependent data to 15 C. The f1, f2, f3, and f4 for channels 11-14 are computed from tabulated values. All values are for 15 C. Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.4-17. NOAA-18 AMSU-A Measured Channel Characteristics.							
Ch #	Instrument/Serial #	Central Frequency (GHz)	Central Wavenumber (cm⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f₁)	End (f₂)	Begin (f₃)	End (f₄)
1*	A2/105	23.80084	0.793910	0.00872	0.13423	N/A	N/A
2*	A2/105	31.39952	1.047375	0.00877	0.08912	N/A	N/A
3*	A1-2/109	50.29974	1.677819	0.00890	0.08900	N/A	N/A
4*	A1-2/109	52.80007	1.761221	0.00912	0.19916	N/A	N/A
5	A1-2/109	53.59597	1.787769	0.03138	0.19886	N/A	N/A
6*	A1-1/109	54.40008	1.814591	0.00915	0.19933	N/A	N/A
7*	A1-1/109	54.94034	1.832612	0.00910	0.19919	N/A	N/A
8*	A1-2/109	55.50025	1.851289	0.00914	0.16402	N/A	N/A

9*	A1-1/109	57.29034	1.911000	0.00911	0.16415	N/A	N/A
10	A1-1/109	57.29034	1.911000	0.17901	0.25534	N/A	N/A
11	A1-1/109	57.29034	1.911000	0.25681	0.29166	0.35266	0.38803
12	A1-1/109	57.29034	1.911000	0.29255	0.30798	0.33633	0.35183
13	A1-1/109	57.29034	1.911000	0.30829	0.31614	0.32822	0.33609
14	A1-1/109	57.29034	1.911000	0.31632	0.31925	0.32531	0.32825
15*	A1-1/109	89.00971	2.969044	0.49208	1.48898	N/A	N/A

* The lower frequency cutoff in these single passband channels is due to the stop band.

MHS:

Table D.4-18. NOAA-18 MHS Coefficients for Converting PRT Resistance (ohms) to PRT Temperature (K).

PRT #	f _{k0}	f _{k1}	f _{k2}	f _{k3}	PIE-A/B
A1	26.94696	2.368751	9.006419E-04	3.214243E-07	PIE-A
A2	26.24873	2.388640	7.144522E-04	8.929389E-07	
A3	26.06646	2.390943	7.194693E-04	7.950231E-07	
A4	28.62364	2.319711	1.376538E-03	-1.211872E-06	
A5	27.82947	2.340279	1.202259E-03	-7.307023E-07	
B1	14.60936	2.715144	-2.309837E-03	1.015388E-05	PIE-B
B2	24.56966	2.436255	2.666393E-04	2.288884E-06	
B3	27.79527	2.341127	1.195957E-03	-7.175381E-07	
B4	27.96775	2.335281	1.260284E-03	-9.481001E-07	
B5	23.94741	2.453856	1.013438E-04	2.807177E-06	

Table D.4-19. NOAA-18 MHS Resistances (ohms) for Three PRT Calibration Channels.

Rcal_1	Rcal_2	Rcal_3	PIE-A or -B
117.987	95.287	80.596	PIE-A
117.995	95.293	80.613	PIE-B

Table D.4-20. NOAA-18 MHS Coefficients for Converting Counts into Temperatures (K).

g ₀	g ₁	g ₂	g ₃	g ₄
355.9982	-0.239278	-4.85712E-03	3.59838E-05	-8.02652E-08

Note:

1. One set of coefficients applies to 24 housekeeping thermistors.

Table D.4-21. NOAA-18 MHS Coefficients for Converting Counts into Current (amps) for Current Monitors .

Intercept	Slope	Name
0.0	0.01337	RDM Motor
0.0	0.01337	FDM Motor
0.0	0.01681	EE+SM+5V
-0.13640	0.022210	Receiver+8V
-0.09704	0.008207	Receiver+15V
-0.006094	0.001875	Receiver-15V
Note:		
1. One set of coefficients applies to three survival thermistors.		

Table D.4-22. NOAA-18 MHS Coefficients for Converting Volts into Temperatures (K).

h_0	h_1	h_2	h_3	h_4	h_5
363.4522	-108.10	64.212	-22.8659	4.110	-0.295

Table D.4-23. NOAA-18 MHS Values of the Nonlinearity Parameters u (m^2 -sr- cm^{-1})/mW.

Instru- ment Temp. (See Note 1)	Ch 16	Ch 17	Ch. 18	Ch. 19	Ch. 20	LO (C)
14.4	-1.254186 E-01	-1.53510 2E-02	-5.114453E-02	-4.692729E-02	-7.954219E-03	LO-A
25.4	-5.638002 E-03	-2.39221 3E-04	-2.953739E-02	-2.247278E-02	-2.606214E-03	LO-A
38.1	1.180412 E-02	1.670801 E-02	-1.999693E-02	-1.342902E-02	-5.011249E-04	LO-A
14.4	-7.236113 E-02	-9.90711 4E-04	-3.668495E-02	-4.150773E-02	-9.350563E-03	LO-B
25.4	-2.888378 E-02	9.733833 E-04	-1.885327E-02	-2.785992E-02	-4.907237E-03	LO-B
38.1	3.080002 E-02	3.064643 E-02	-1.339739E-02	-1.900996E-02	3.557148E-03	LO-B

Note:

1. QBS5 temperature.

Table D.4-24. NOAA-18 MHS Wavenumbers and Band-correction Factors.			
Channel Number	Wavenumber (cm⁻¹)	Band-correction factors: $T_w = b + c * T_w$	
		b	c
16	2.968720	0.0	1.0
17	5.236956	0.0	1.0
18	6.114597	0.0	1.0
19	6.114597	-0.0031	1.00027
20	6.348092	0.0	1.0

Table D.4-25. NOAA-18 MHS (PFM, S/N=101) Channel IF Characteristics.				
Channel	Nominal Center Frequency (GHz)	Lower IF -3 dB Frequency (GHz)	Upper IF -3 dB Frequency (GHz)	# Bandpasses
H1	89.000	0.111	1.206	1
H2	157.000	0.112	1.208	1
H3	183.311	0.750	1.210	2
H4	183.311	2.525	3.434	2
H5	190.311	0.113	1.079	1

D.5 MetOp-A

Launch date: October 19, 2006

Operational dates: November 28, 2006 to present

Morning orbit: 2130 LST ascending node, 0930 LST descending node

AVHRR instrument: 6 channels (AVHRR/3): FM 305

Spacecraft ID: 12

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>

AVHRR:

Table D.5-1 contains the PRT weighting factors for MetOp-A and Table D.5-2 contains the radiance of space and the coefficients for nonlinear radiance correction quadratic for MetOp-A.

Table D.5-1. MetOp-A PRT Weighting Factors.			
b₁	b₂	b₃	b₄
0.25	0.25	0.25	0.25

Table D.5-2. MetOp-A Radiance of Space and coefficients for nonlinear radiance correction quadratic.				
	N_s	b₀	b₁	b₂
Channel 4	-4.98	5.44	-0.10152	0.00046964
Channel 5	-3.40	3.84	-0.06249	0.00025239

Table D.5-3 contains MetOp-A coefficients d₀, d₁, d₂, d₃ and d₄ that relate temperature, T_{PRT} (Kelvin) of each PRT to count value, C_{PRT}, by the equation:

$$T_{PRT} = d_0 + d_1 C_{PRT} + d_2 C_{PRT}^2 + d_3 C_{PRT}^3 + d_4 C_{PRT}^4$$

Table D.5-3. MetOp-A AVHRR/3 conversion coefficients.					
PRT	d₀	d₁	d₂	d₃	d₄
1	276.6194	0.050919	1.470892 E-06	0	0
2	276.6511	0.050892	1.489000 E-06	0	0
3	276.6597	0.050845	1.520646 E-06	0	0
4	276.3685	0.050992	1.482390 E-06	0	0

Table D.5-4 contains the pre-launch calibration coefficients (albedo representation) for the AVHRR/3 instrument on MetOp-A.

Table D.5-4. MetOp-A AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	.0053714	-2.171861
	High albedo range (26 - 100%)	0.158723	-54.782424
2	Low albedo range (0-25%)	0.0545174	-2.167
	High albedo range (26 - 100%)	0.16192	-55.91
3A	Low albedo range (0-12.5%)	0.026446	-1.087
	High albedo range (12.6 - 100%)	0.18369	-80.01
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 500.54, 500.40 and 500.56 counts for channels 1, 2, and 3A respectively. This information is based on the data in AVHRR S/N A305 Alignment/Calibration Handbook (Report 8172845, Rev B), January 2002.			

Table D.5-5 contains a summary of the spectral response data as a function of wavenumber for all channels of the MetOp-A AVHRR/3.

Table D.5-5. Summary of MetOp-A AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.				
Channel 1				
The peak wavenumber was at 15480.00 and had a value of 1.00.				
File starting point is at wavenumber = 12050.00.				
File ending point is at wavenumber = 23250.00				
Moment Center Wavenumber = 15850.6296				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		μm	
0.10%	14194.2334		0.7045	
1.00%	14406.9287		0.6941	
5.00%	14535.3438		0.6880	
10.00%	14586.6318		0.6856	
20.00%	14637.4912		0.6832	
50.00%	14710.2188		0.6798	
80.00%	14775.7832		0.6768	
80.00%	16748.0781		0.5971	
50.00%	17017.4766		0.5876	
20.00%	17093.8965		0.5850	
10.00%	17138.0957		0.5835	
5.00%	17182.9414		0.5820	
1.00%	17297.5996		0.5781	
0.10%	17506.3652		0.5712	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%	14605.4856		17109.4749	
96%	14711.0915		17008.1733	
70%	15052.7310		16636.1263	
50%	15292.8144		16397.2981	
0% (area center)	15836.0453		15836.0453	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	14775.7832	16748.0781	1972.2949	15761.9307
50%	14710.2188	17017.4766	2307.2578	15863.8477
20%	14637.4912	17093.8965	2456.4053	15865.6934
5%	14535.3438	17182.9414	2647.5977	15859.1426
Channel 2				
The peak wavenumber was at 12175.00 and had a value of 1.00				
File starting point is at wavenumber = 9330.00				
File ending point is at wavenumber = 19995.00				
Moment Center Wavenumber = 11975.4347				
Percent line at which curve crosses	Wavenumber (cm ⁻¹)		μm	
0.10%	9539.8369		1.0482	

1.00%		9884.0996		1.0117
5.00%		9959.4297		1.0041
10.00%		9987.1963		1.0013
20.00%		10012.8027		0.9987
50.00%		10079.3965		0.9921
80.00%		10811.5137		0.9249
80.00%		13327.0508		0.7504
50.00%		13641.5068		0.7331
20.00%		13977.9902		0.7154
10.00%		14090.1572		0.7097
5.00%		14165.8721		0.7059
1.00%		14296.5586		0.6995
0.10%		14431.4648		0.6929
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)
99%		10035.1858		14034.7474
96%		10134.2620		13826.7512
70%		10761.7543		13163.9831
50%		11136.8244		12805.3736
0% (area center)		11977.1245		11977.1245
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	10811.5137	13327.0508	2515.5371	12069.2822
50%	10079.3965	13641.5068	3562.1104	11860.4512
20%	10012.8027	13977.9902	3965.1875	11995.3965
5%	9959.4297	14165.8721	4206.4424	12062.6504
Channel 3A				
The peak wavenumber was at 6230.00 and had a value of 1.00				
File starting point is at wavenumber = 5785.00				
File ending point is at wavenumber = 6705.00				
Moment Center Wavenumber = 6227.0622				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		μm
0.10%		5991.6489		1.6690
1.00%		6052.3462		1.6523
5.00%		6081.8950		1.6442
10.00%		6093.0405		1.6412
20.00%		6103.8584		1.6383
50.00%		6118.4146		1.6344
80.00%		6127.5737		1.6320
80.00%		6326.9775		1.5805
50.00%		6336.1567		1.5782
20.00%		6350.1738		1.5748
10.00%		6360.8052		1.5721
5.00%		6371.3999		1.5695
1.00%		6398.6226		1.5628

0.10%		6439.6523		1.5529
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	6079.6970		6362.2874	
96%	6103.4610		6339.9847	
70%	6143.1607		6300.9591	
50%	6165.8113		6278.3693	
0% (area center)	6222.2125		6222.2125	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	6127.5737	6326.9775	199.4038	6227.2754
50%	6118.4146	6336.1567	217.7422	6227.2856
20%	6103.8584	6350.1738	246.3154	6227.0161
5%	6081.8950	6371.3999	289.5049	6226.6475
Channel 3B				
The peak wavenumber was at 2565.80 and had a value of 1.00				
File starting point is at wavenumber = 2222.80				
File ending point is at wavenumber = 3355.50				
Moment Center Wavenumber = 2689.9123				
Percent line at which curve crosses		Wavenumber (cm⁻¹)	μm	
0.10%		2393.8137	4.1774	
1.00%		2471.2061	4.0466	
5.00%		2507.5103	3.9880	
10.00%		2518.2515	3.9710	
20.00%		2527.9226	3.9558	
50.00%		2540.8977	3.9356	
80.00%		2550.3760	3.9210	
80.00%		2812.3923	3.5557	
50.00%		2844.1921	3.5159	
20.00%		2865.2998	3.4900	
10.00%		2878.7974	3.4737	
5.00%		2892.4202	3.4573	
1.00%		2925.2300	3.4185	
0.10%		2979.0718	3.3568	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	2509.7672		2885.3508	
96%	2536.2758		2857.5086	
70%	2581.2376		2799.2592	
50%	2611.8592		2764.8957	
0% (area center)	2687.8808		2687.8808	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	2550.3760	2812.3923	262.0164	2681.3843
50%	2540.8977	2844.1921	303.2944	2692.5449
20%	2527.9226	2865.2998	337.3772	2696.6113
5%	2507.5103	2892.4202	384.9099	2699.9653

Channel 4				
The peak wavenumber was at 934.30 and had a value of 1.00				
File starting point is at wavenumber = 781.30				
File ending point is at wavenumber = 1136.20				
Moment Center Wavenumber = 926.1104				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		μm
0.10%		853.7050		11.7136
1.00%		863.8912		11.5755
5.00%		870.7056		11.4849
10.00%		873.4853		11.4484
20.00%		876.5002		11.4090
50.00%		882.4297		11.3323
80.00%		891.6080		11.2157
80.00%		961.9097		10.3960
50.00%		967.4245		10.3367
20.00%		974.3810		10.2629
10.00%		978.1237		10.2237
5.00%		981.4305		10.1892
1.00%		988.7534		10.1137
0.10%		999.1293		10.0087
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)
99%		873.3471		978.6224
96%		879.3612		971.6738
70%		895.4858		955.8015
50%		904.8022		947.4139
0% (area center)		926.5663		926.5663
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	891.6080	961.9097	70.3017	926.7588
50%	882.4297	967.4245	84.9948	924.9271
20%	876.5002	974.3810	97.8808	925.4407
5%	870.7056	981.4305	110.7249	926.0681
Channel 5				
The peak wavenumber was at 831.90 and had a value of 1.00				
File starting point is at wavenumber = 714.30				
File ending 999.90				
Moment Center Wavenumber 836.9087				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		μm
0.10%		792.1917		12.6232
1.00%		795.8378		12.5654
5.00%		798.8936		12.5173
10.00%		800.1689		12.4974
20.00%		801.5807		12.4753
50.00%		804.0189		12.4375

80.00%	806.2935	12.4024		
80.00%	862.5563	11.5934		
50.00%	872.2866	11.4641		
20.00%	874.5092	11.4350		
10.00%	875.7759	11.4184		
5.00%	876.9063	11.4037		
1.00%	879.3577	11.3719		
0.10%	882.8216	11.3273		
Area Point Limits	Lower (cm⁻¹)	Upper (cm⁻¹)		
99%	800.1700	874.6133		
96%	803.8251	871.8469		
70%	813.4156	860.7630		
50%	819.9712	853.4426		
0% (area center)	836.3442	836.3442		
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	806.2935	862.5563	56.2628	834.4249
50%	804.0189	872.2866	68.2677	838.1528
20%	801.5807	874.5092	72.9284	838.0449
5%	798.8936	876.9063	78.0127	837.9000

Table D.5-6 contains MetOp-A AVHRR/3 solar reflectance channel information such as equivalent width, w , effective central wavelength, λ_e , and in-band solar irradiance, F .

Table D.5-6. MetOp-A AVHRR/3 Solar Reflectance Channel Information.			
Channel	Equivalent Width w (μm)	Effective Wavelength λ_e (μm)	Extraterrestrial Solar Irradiance in Band F (W/m^2)
1	0.084877	0.632815	139.873215
2	0.229421	0.841679	232.919556
3A	0.056998	1.606119	14.016470
Note: These quantities are based on the solar irradiance data of <i>Neckel and Labs</i> (1984), which is a widely used source of such data.			

Table D.5-7 contains the temperature-to-radiance coefficients for MetOp-A AVHRR/3 Channels 3B, 4 and 5.

Table D.5-7. MetOp-A AVHRR/3 Thermal Channel Temperature-to-Radiance Coefficients.			
	v_c	A	B
Channel 3B	2687.0	2.06699	0.996577
Channel 4	927.2	0.55126	0.998509
Channel 5	837.7	0.34716	0.998947

Tables D.5-8 and D.5-9 contain the corresponding spectral response values for MetOp-A AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.5-8. MetOp-A AVHRR/3 spectral Response Values for Channels 1, 2 and 3A.					
Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
0.430	-1.78E-03	0.500	1.04E-03	1.490	-4.91E-05
0.432	4.14E-04	0.504	7.10E-04	1.491	-2.67E-05
0.434	5.40E-04	0.508	4.58E-04	1.492	-2.16E-06
0.436	9.78E-04	0.512	2.21E-04	1.493	-1.13E-05
0.438	1.57E-03	0.516	-8.60E-05	1.494	7.99E-06
0.440	-2.74E-04	0.520	2.41E-05	1.495	-1.03E-05
0.442	1.81E-04	0.524	3.90E-04	1.496	-5.20E-06
0.444	1.22E-04	0.528	-1.01E-04	1.497	-1.22E-05
0.446	-1.10E-04	0.532	-1.83E-04	1.498	-3.34E-05
0.448	-1.67E-04	0.536	1.23E-05	1.499	-6.18E-06
0.450	9.36E-04	0.540	4.09E-05	1.500	-3.32E-05
0.452	-4.57E-04	0.544	-5.48E-05	1.501	-1.42E-05
0.454	-7.50E-04	0.548	7.91E-05	1.502	2.89E-06
0.456	1.58E-04	0.552	1.19E-05	1.503	-1.26E-07
0.458	-2.90E-04	0.556	2.41E-05	1.504	7.14E-05
0.460	-5.30E-04	0.560	-9.52E-05	1.505	1.89E-05
0.462	1.60E-04	0.564	-6.16E-05	1.506	5.89E-05
0.464	8.39E-04	0.568	3.23E-05	1.507	4.48E-05
0.466	-3.52E-04	0.572	7.76E-05	1.508	7.86E-05
0.468	-3.16E-04	0.576	-8.99E-05	1.509	4.17E-05
0.470	-2.03E-05	0.580	1.73E-05	1.510	5.86E-05
0.472	-5.81E-04	0.584	3.48E-05	1.511	3.16E-05
0.474	-4.15E-04	0.588	-7.89E-05	1.512	3.26E-05
0.476	-6.18E-04	0.592	2.68E-05	1.513	-2.79E-05
0.478	-3.47E-05	0.596	-2.83E-05	1.514	-8.99E-06
0.480	-2.69E-04	0.600	-2.15E-04	1.515	7.21E-05
0.482	-9.80E-05	0.604	-5.17E-05	1.516	3.44E-05
0.484	-3.70E-04	0.608	-1.23E-04	1.517	-3.47E-05
0.486	1.60E-04	0.612	1.15E-05	1.518	-3.27E-05
0.488	-4.50E-05	0.616	-8.56E-05	1.519	4.79E-06
0.490	3.46E-04	0.620	-7.61E-05	1.520	5.78E-06
0.492	-1.43E-05	0.624	-1.94E-05	1.521	7.08E-05
0.494	-1.90E-04	0.628	-5.18E-05	1.522	3.03E-05
0.496	-2.16E-04	0.632	7.90E-05	1.523	5.58E-05
0.498	-8.36E-05	0.636	-6.45E-05	1.524	-7.25E-05
0.500	-7.41E-04	0.640	2.55E-05	1.525	4.09E-05
0.502	1.78E-04	0.644	1.15E-04	1.526	8.79E-05
0.504	-5.79E-05	0.648	-3.92E-05	1.527	1.84E-05
0.506	2.01E-04	0.652	-3.15E-05	1.528	1.54E-05
0.508	1.07E-04	0.656	7.86E-05	1.529	1.06E-05

0.510	-8.79E-05	0.660	4.82E-05	1.530	5.81E-05
0.512	2.93E-04	0.664	-5.49E-05	1.531	7.74E-05
0.514	6.67E-05	0.668	5.02E-05	1.532	9.29E-05
0.516	-4.02E-04	0.672	4.22E-05	1.533	6.63E-06
0.518	-1.35E-04	0.676	-3.61E-05	1.534	-3.49E-05
0.520	-1.55E-04	0.680	1.66E-05	1.535	2.30E-05
0.522	2.31E-04	0.684	7.01E-05	1.536	7.76E-05
0.524	-2.22E-04	0.688	1.43E-04	1.537	1.81E-05
0.526	7.72E-05	0.692	6.67E-04	1.538	3.53E-05
0.528	1.23E-04	0.696	3.28E-03	1.539	1.28E-04
0.530	-6.89E-05	0.700	1.17E-02	1.540	8.87E-05
0.532	-1.05E-04	0.704	3.29E-02	1.541	1.86E-04
0.534	1.72E-04	0.708	7.45E-02	1.542	1.29E-04
0.536	9.17E-05	0.712	1.39E-01	1.543	1.66E-04
0.538	-3.35E-06	0.716	2.10E-01	1.544	1.37E-04
0.540	1.84E-05	0.720	2.69E-01	1.545	1.94E-04
0.542	1.78E-05	0.724	3.33E-01	1.546	2.93E-04
0.544	-1.14E-04	0.728	4.11E-01	1.547	2.98E-04
0.546	1.14E-04	0.732	4.82E-01	1.548	4.99E-04
0.548	1.22E-04	0.736	5.50E-01	1.549	4.94E-04
0.550	7.28E-05	0.740	6.28E-01	1.550	6.43E-04
0.552	1.96E-04	0.744	7.11E-01	1.551	6.85E-04
0.554	1.24E-04	0.748	7.74E-01	1.552	8.28E-04
0.556	4.03E-05	0.752	8.18E-01	1.553	1.02E-03
0.558	2.79E-04	0.756	8.60E-01	1.554	1.36E-03
0.560	3.77E-04	0.760	8.87E-01	1.555	1.70E-03
0.562	1.71E-04	0.764	9.00E-01	1.556	2.20E-03
0.564	1.51E-04	0.768	8.99E-01	1.557	2.70E-03
0.566	6.84E-04	0.772	8.93E-01	1.558	3.41E-03
0.568	7.11E-04	0.776	8.98E-01	1.559	4.22E-03
0.570	6.84E-04	0.780	9.11E-01	1.560	5.32E-03
0.572	1.29E-03	0.784	9.32E-01	1.561	6.40E-03
0.574	2.29E-03	0.788	9.52E-01	1.562	8.20E-03
0.576	4.54E-03	0.792	9.64E-01	1.563	1.03E-02
0.578	9.56E-03	0.796	9.63E-01	1.564	1.28E-02
0.580	2.14E-02	0.800	9.59E-01	1.565	1.66E-02
0.582	5.06E-02	0.804	9.61E-01	1.566	2.09E-02
0.584	1.26E-01	0.808	9.68E-01	1.567	2.63E-02
0.586	3.00E-01	0.812	9.83E-01	1.568	3.43E-02
0.588	5.41E-01	0.816	9.95E-01	1.569	4.36E-02
0.590	6.74E-01	0.820	1.00E+00	1.570	5.60E-02
0.592	7.08E-01	0.824	9.99E-01	1.571	7.39E-02
0.594	7.30E-01	0.828	9.96E-01	1.572	9.55E-02
0.596	7.72E-01	0.832	9.91E-01	1.573	1.27E-01
0.598	8.23E-01	0.836	9.88E-01	1.574	1.64E-01
0.600	8.63E-01	0.840	9.89E-01	1.575	2.13E-01
0.602	8.85E-01	0.844	9.88E-01	1.576	2.82E-01
0.604	8.90E-01	0.848	9.85E-01	1.577	3.63E-01
0.606	8.91E-01	0.852	9.76E-01	1.578	4.71E-01
0.608	8.89E-01	0.856	9.68E-01	1.579	5.88E-01
0.610	9.01E-01	0.860	9.61E-01	1.580	7.19E-01
0.612	9.27E-01	0.864	9.50E-01	1.581	8.72E-01
0.614	9.58E-01	0.868	9.41E-01	1.582	9.17E-01

0.616	9.73E-01	0.872	9.38E-01	1.583	9.35E-01
0.618	9.77E-01	0.876	9.38E-01	1.584	9.53E-01
0.620	9.66E-01	0.880	9.40E-01	1.585	9.64E-01
0.622	9.53E-01	0.884	9.42E-01	1.586	9.73E-01
0.624	9.39E-01	0.888	9.41E-01	1.587	9.82E-01
0.626	9.33E-01	0.892	9.37E-01	1.588	9.80E-01
0.628	9.28E-01	0.896	9.34E-01	1.589	9.85E-01
0.630	9.32E-01	0.900	9.29E-01	1.590	9.80E-01
0.632	9.42E-01	0.904	9.06E-01	1.591	9.81E-01
0.634	9.51E-01	0.908	8.79E-01	1.592	9.84E-01
0.636	9.66E-01	0.912	8.59E-01	1.593	9.82E-01
0.638	9.78E-01	0.916	8.41E-01	1.594	9.85E-01
0.640	9.86E-01	0.920	8.25E-01	1.595	9.81E-01
0.642	9.91E-01	0.924	8.05E-01	1.596	9.83E-01
0.644	9.96E-01	0.928	7.84E-01	1.597	9.80E-01
0.646	1.00E+00	0.932	7.67E-01	1.598	9.81E-01
0.648	9.95E-01	0.936	7.54E-01	1.599	9.85E-01
0.650	9.83E-01	0.940	7.35E-01	1.600	9.85E-01
0.652	9.66E-01	0.944	7.22E-01	1.601	9.90E-01
0.654	9.49E-01	0.948	7.06E-01	1.602	9.87E-01
0.656	9.24E-01	0.952	6.88E-01	1.603	9.90E-01
0.658	8.95E-01	0.956	6.70E-01	1.604	9.89E-01
0.660	8.63E-01	0.960	6.55E-01	1.605	1.00E+00
0.662	8.43E-01	0.964	6.41E-01	1.606	9.91E-01
0.664	8.26E-01	0.968	6.29E-01	1.607	9.85E-01
0.666	8.12E-01	0.972	6.15E-01	1.608	9.88E-01
0.668	8.11E-01	0.976	5.92E-01	1.609	9.84E-01
0.670	8.25E-01	0.980	5.65E-01	1.610	9.87E-01
0.672	8.53E-01	0.984	5.42E-01	1.611	9.83E-01
0.674	8.78E-01	0.988	5.26E-01	1.612	9.83E-01
0.676	8.45E-01	0.992	5.03E-01	1.613	9.79E-01
0.678	6.97E-01	0.996	3.47E-01	1.614	9.80E-01
0.680	4.78E-01	1.000	1.42E-01	1.615	9.79E-01
0.682	2.81E-01	1.004	5.09E-02	1.616	9.77E-01
0.684	1.57E-01	1.008	2.02E-02	1.617	9.77E-01
0.686	8.80E-02	1.012	9.58E-03	1.618	9.75E-01
0.688	4.97E-02	1.016	5.58E-03	1.619	9.77E-01
0.690	2.85E-02	1.020	3.79E-03	1.620	9.76E-01
0.692	1.68E-02	1.024	2.86E-03	1.621	9.79E-01
0.694	1.03E-02	1.028	2.33E-03	1.622	9.77E-01
0.696	6.41E-03	1.032	1.93E-03	1.623	9.80E-01
0.698	4.08E-03	1.036	1.67E-03	1.624	9.78E-01
0.700	2.57E-03	1.040	1.40E-03	1.625	9.79E-01
0.702	1.74E-03	1.044	1.23E-03	1.626	9.76E-01
0.704	1.12E-03	1.048	1.01E-03	1.627	9.67E-01
0.706	7.57E-04	1.052	8.55E-04	1.628	9.63E-01
0.708	5.75E-04	1.056	7.03E-04	1.629	9.46E-01
0.710	4.10E-04	1.060	5.80E-04	1.630	9.34E-01
0.712	-4.56E-05	1.064	4.71E-04	1.631	9.14E-01
0.714	-3.96E-05	1.068	3.62E-04	1.632	7.99E-01
0.716	4.06E-05	1.072	3.21E-04	1.633	6.63E-01
0.718	-1.13E-04	-	-	1.634	5.43E-01

0.720	1.15E-04	-	-	1.635	4.34E-01
0.722	-4.49E-05	-	-	1.636	3.52E-01
0.724	2.96E-05	-	-	1.637	2.75E-01
0.726	1.01E-04	-	-	1.638	2.14E-01
0.728	-5.90E-05	-	-	1.639	1.66E-01
0.730	-6.32E-05	-	-	1.640	1.33E-01
0.732	-3.58E-05	-	-	1.641	1.04E-01
0.734	2.95E-05	-	-	1.642	8.12E-02
0.736	-2.94E-05	-	-	1.643	6.46E-02
0.738	6.19E-05	-	-	1.644	5.21E-02
0.740	-7.28E-05	-	-	1.645	4.17E-02
0.742	8.55E-05	-	-	1.646	3.34E-02
0.744	-2.93E-05	-	-	1.647	2.71E-02
0.746	3.10E-05	-	-	1.648	2.20E-02
0.748	1.04E-04	-	-	1.649	1.78E-02
0.750	-2.96E-05	-	-	1.650	1.51E-02
0.752	4.45E-05	-	-	1.651	1.24E-02
0.754	-7.58E-06	-	-	1.652	1.04E-02
0.756	1.19E-04	-	-	1.653	8.67E-03
0.758	-7.65E-05	-	-	1.654	7.28E-03
0.760	-1.95E-05	-	-	1.655	6.23E-03
0.762	2.34E-05	-	-	1.656	5.34E-03
0.764	-1.20E-05	-	-	1.657	4.39E-03
0.766	1.74E-04	-	-	1.658	3.84E-03
0.768	-3.65E-05	-	-	1.659	3.36E-03
0.770	7.57E-05	-	-	1.660	2.89E-03
0.772	-9.85E-05	-	-	1.661	2.45E-03
0.774	6.27E-06	-	-	1.662	2.26E-03
0.776	-4.73E-05	-	-	1.663	1.82E-03
0.778	1.30E-05	-	-	1.664	1.71E-03
0.780	-5.96E-05	-	-	1.665	1.46E-03
0.782	-4.24E-05	-	-	1.666	1.35E-03
0.784	6.51E-05	-	-	1.667	1.16E-03
0.786	1.36E-04	-	-	1.668	1.10E-03
0.788	-4.16E-05	-	-	1.669	9.63E-04
0.790	1.10E-04	-	-	1.670	9.27E-04
0.792	-6.88E-05	-	-	1.671	7.02E-04
0.794	-2.28E-04	-	-	1.672	7.04E-04
0.796	7.03E-05	-	-	1.673	7.66E-04
0.798	-3.94E-05	-	-	1.674	5.31E-04
0.800	-5.09E-06	-	-	1.675	5.10E-04
0.802	1.00E-04	-	-	1.676	4.50E-04

0.804	-6.89E-05	-	-	1.677	4.22E-04
0.806	-2.32E-05	-	-	1.678	3.63E-04
0.808	7.00E-05	-	-	1.679	3.85E-04
0.810	5.48E-05	-	-	1.680	2.46E-04
0.812	1.95E-04	-	-	1.681	2.65E-04
0.814	2.21E-04	-	-	1.682	1.81E-04
0.816	-1.61E-04	-	-	1.683	1.58E-04
0.818	8.35E-05	-	-	1.684	1.07E-04
0.820	2.03E-04	-	-	1.685	1.18E-04
0.822	1.88E-04	-	-	1.686	1.75E-04
0.824	-7.68E-05	-	-	1.687	9.55E-05
0.826	-1.93E-05	-	-	1.688	1.80E-04
0.828	1.91E-05	-	-	1.689	8.28E-05
0.830	5.20E-05	-	-	1.690	6.06E-05
-	-	-	-	1.691	6.96E-05
-	-	-	-	1.692	-1.64E-05
-	-	-	-	1.693	9.77E-05
-	-	-	-	1.694	5.82E-05
-	-	-	-	1.695	7.60E-05
-	-	-	-	1.696	-3.39E-06
-	-	-	-	1.697	4.37E-05
-	-	-	-	1.698	9.55E-07
-	-	-	-	1.699	-3.87E-05
-	-	-	-	1.700	3.70E-05
-	-	-	-	1.701	8.66E-06
-	-	-	-	1.702	5.30E-06
-	-	-	-	1.703	-2.85E-05
-	-	-	-	1.704	-4.11E-05
-	-	-	-	1.705	1.39E-05
-	-	-	-	1.706	2.55E-05
-	-	-	-	1.707	3.96E-05
-	-	-	-	1.708	-6.28E-05
-	-	-	-	1.709	-2.89E-05
-	-	-	-	1.710	5.15E-06
-	-	-	-	1.711	-4.90E-05
-	-	-	-	1.712	-2.54E-05
-	-	-	-	1.713	-3.09E-05
-	-	-	-	1.714	3.46E-05
-	-	-	-	1.715	-3.62E-05
-	-	-	-	1.716	-4.45E-05
-	-	-	-	1.717	-1.06E-04
-	-	-	-	1.718	-2.34E-05

-	-	-	-	1.719	3.52E-05
-	-	-	-	1.720	-9.66E-06
-	-	-	-	1.721	-5.04E-05
-	-	-	-	1.722	-1.07E-05
-	-	-	-	1.723	-1.29E-05
-	-	-	-	1.724	-2.22E-05
-	-	-	-	1.725	1.06E-04
-	-	-	-	1.726	5.84E-05
-	-	-	-	1.727	-8.95E-05
-	-	-	-	1.728	-7.39E-05
-	-	-	-	1.729	3.44E-05
-	-	-	-	1.730	-3.53E-05

Table D.5-9. MetOp-A AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
2.980	-3.83E-05	8.80	9.88E-05	10.00	-1.15E-04
2.987	-1.13E-04	8.82	2.11E-04	10.02	1.41E-03
2.994	-3.83E-05	8.84	2.88E-04	10.04	-8.30E-05
3.001	8.23E-05	8.86	7.04E-05	10.06	1.47E-04
3.008	-3.82E-05	8.88	8.48E-05	10.08	-7.42E-04
3.015	-7.89E-05	8.90	2.49E-04	10.10	-4.53E-04
3.022	4.25E-05	8.92	-1.17E-04	10.12	1.75E-05
3.029	1.92E-05	8.94	2.03E-04	10.14	-7.32E-05
3.036	9.03E-05	8.96	1.43E-04	10.16	-9.16E-04
3.043	3.86E-05	8.98	1.25E-04	10.18	3.33E-04
3.050	6.40E-05	9.00	1.70E-04	10.20	1.27E-03
3.057	-3.76E-05	9.02	-9.02E-05	10.22	-4.70E-04
3.064	2.25E-05	9.04	-1.76E-04	10.24	-5.28E-04
3.071	-1.10E-05	9.06	6.88E-05	10.26	6.51E-04
3.078	1.34E-05	9.08	1.50E-04	10.28	8.53E-04
3.085	-1.95E-05	9.10	1.87E-04	10.30	-3.39E-04
3.092	1.19E-04	9.12	-7.09E-05	10.32	-5.46E-04
3.099	-3.90E-05	9.14	2.53E-04	10.34	4.06E-05
3.106	2.77E-05	9.16	-1.92E-04	10.36	-5.76E-04
3.113	-7.14E-05	9.18	1.36E-05	10.38	-3.44E-04
3.120	5.90E-06	9.20	-7.96E-05	10.40	-4.29E-04
3.127	-1.45E-05	9.22	-5.17E-05	10.42	-5.66E-04
3.134	-5.31E-05	9.24	-2.34E-04	10.44	-4.48E-04
3.141	4.40E-05	9.26	-1.98E-05	10.46	-3.60E-04
3.148	-1.73E-05	9.28	2.21E-05	10.48	3.09E-04
3.155	-1.11E-05	9.30	4.05E-05	10.50	-4.73E-04
3.162	-6.49E-06	9.32	5.86E-05	10.52	6.46E-04
3.169	1.64E-05	9.34	-4.59E-05	10.54	-3.06E-04
3.176	6.52E-05	9.36	2.74E-06	10.56	-8.99E-05
3.183	-2.19E-05	9.38	9.24E-05	10.58	1.81E-04
3.190	7.35E-05	9.40	7.24E-05	10.60	-1.24E-04
3.197	-1.06E-04	9.42	9.17E-06	10.62	3.46E-05
3.204	-9.18E-05	9.44	-5.54E-06	10.64	-5.25E-04
3.211	-6.80E-06	9.46	-1.41E-04	10.66	-5.12E-05
3.218	-6.19E-05	9.48	-3.26E-05	10.68	-2.61E-04
3.225	2.99E-05	9.50	-3.58E-05	10.70	-2.76E-04
3.232	1.53E-04	9.52	1.56E-04	10.72	6.72E-04
3.239	-1.94E-05	9.54	3.44E-05	10.74	3.96E-04
3.246	5.60E-05	9.56	-1.19E-04	10.76	-1.80E-05
3.253	6.47E-05	9.58	-8.01E-05	10.78	3.70E-04
3.260	1.21E-04	9.60	-2.13E-04	10.80	-1.02E-04
3.267	1.99E-04	9.62	-3.20E-05	10.82	-5.41E-04
3.274	8.73E-05	9.64	1.38E-05	10.84	1.46E-04
3.281	8.43E-05	9.66	-2.40E-04	10.86	3.93E-04
3.288	2.06E-04	9.68	-1.04E-04	10.88	-4.32E-04
3.295	1.73E-04	9.70	1.52E-04	10.90	-4.35E-04
3.302	1.46E-04	9.72	-2.79E-04	10.92	-4.17E-04

3.309	1.58E-04	9.74	1.05E-05	10.94	-6.33E-04
3.316	2.20E-04	9.76	-5.86E-05	10.96	-7.44E-04
3.323	3.09E-04	9.78	-1.07E-04	10.98	-6.57E-04
3.330	3.03E-04	9.80	-2.07E-05	11.00	8.85E-04
3.337	4.67E-04	9.82	-3.41E-05	11.02	-2.57E-04
3.344	6.63E-04	9.84	-1.58E-04	11.04	-3.86E-04
3.351	7.01E-04	9.86	-8.23E-05	11.06	-4.19E-04
3.358	1.08E-03	9.88	-2.12E-04	11.08	8.42E-04
3.365	1.38E-03	9.90	-1.38E-04	11.10	9.58E-04
3.372	1.57E-03	9.92	-2.25E-04	11.12	-4.32E-04
3.379	2.21E-03	9.94	-6.51E-05	11.14	3.21E-05
3.386	2.67E-03	9.96	8.85E-05	11.16	6.93E-04
3.393	3.59E-03	9.98	4.51E-04	11.18	-9.01E-04
3.400	4.91E-03	10.00	7.63E-04	11.20	-1.37E-03
3.407	6.33E-03	10.02	1.38E-03	11.22	9.81E-04
3.414	8.38E-03	10.04	2.10E-03	11.24	-5.00E-04
3.421	1.10E-02	10.06	3.10E-03	11.26	-9.99E-04
3.428	1.45E-02	10.08	4.86E-03	11.28	1.58E-03
3.435	1.97E-02	10.10	7.41E-03	11.30	-5.34E-04
3.442	2.61E-02	10.12	1.14E-02	11.32	5.28E-04
3.449	3.51E-02	10.14	1.72E-02	11.34	1.68E-03
3.456	4.74E-02	10.16	2.67E-02	11.36	4.77E-03
3.463	6.29E-02	10.18	4.08E-02	11.38	1.55E-02
3.470	8.53E-02	10.20	6.28E-02	11.40	4.16E-02
3.477	1.15E-01	10.22	9.31E-02	11.42	1.07E-01
3.484	1.55E-01	10.24	1.36E-01	11.44	2.41E-01
3.491	2.08E-01	10.26	1.91E-01	11.46	4.53E-01
3.498	2.73E-01	10.28	2.55E-01	11.48	6.65E-01
3.505	3.54E-01	10.30	3.32E-01	11.50	7.77E-01
3.512	4.48E-01	10.32	4.19E-01	11.52	7.86E-01
3.519	5.39E-01	10.34	5.16E-01	11.54	7.64E-01
3.526	6.27E-01	10.36	6.19E-01	11.56	7.59E-01
3.533	6.97E-01	10.38	7.24E-01	11.58	7.75E-01
3.540	7.47E-01	10.40	8.17E-01	11.60	8.12E-01
3.547	7.76E-01	10.42	8.92E-01	11.62	8.35E-01
3.554	7.96E-01	10.44	9.50E-01	11.64	8.64E-01
3.561	8.08E-01	10.46	9.81E-01	11.66	8.90E-01
3.568	8.15E-01	10.48	9.91E-01	11.68	9.07E-01
3.575	8.17E-01	10.50	9.92E-01	11.70	9.13E-01
3.582	8.27E-01	10.52	9.86E-01	11.72	9.23E-01
3.589	8.37E-01	10.54	9.84E-01	11.74	9.31E-01
3.596	8.51E-01	10.56	9.85E-01	11.76	9.34E-01
3.603	8.60E-01	10.58	9.88E-01	11.78	9.33E-01
3.610	8.72E-01	10.60	9.91E-01	11.80	9.30E-01
3.617	8.91E-01	10.62	9.91E-01	11.82	9.36E-01
3.624	9.01E-01	10.64	9.96E-01	11.84	9.43E-01
3.631	9.08E-01	10.66	9.94E-01	11.86	9.53E-01
3.638	9.17E-01	10.68	9.95E-01	11.88	9.61E-01
3.645	9.27E-01	10.70	1.00E+00	11.90	9.67E-01
3.652	9.34E-01	10.72	9.98E-01	11.92	9.79E-01
3.659	9.35E-01	10.74	9.95E-01	11.94	9.91E-01
3.666	9.48E-01	10.76	9.97E-01	11.96	9.90E-01
3.673	9.48E-01	10.78	9.92E-01	11.98	9.99E-01

3.680	9.61E-01	10.80	9.86E-01	12.00	9.94E-01
3.687	9.63E-01	10.82	9.79E-01	12.02	1.00E+00
3.694	9.69E-01	10.84	9.77E-01	12.04	9.93E-01
3.701	9.82E-01	10.86	9.70E-01	12.06	9.90E-01
3.708	9.82E-01	10.88	9.56E-01	12.08	9.85E-01
3.715	9.85E-01	10.90	9.56E-01	12.10	9.82E-01
3.722	9.93E-01	10.92	9.41E-01	12.12	9.88E-01
3.729	9.86E-01	10.94	9.58E-01	12.14	9.93E-01
3.736	9.86E-01	10.96	9.30E-01	12.16	9.90E-01
3.743	9.85E-01	10.98	9.49E-01	12.18	9.95E-01
3.750	9.70E-01	11.00	9.28E-01	12.20	9.94E-01
3.757	9.65E-01	11.02	9.28E-01	12.22	9.87E-01
3.764	9.62E-01	11.04	9.14E-01	12.24	9.91E-01
3.771	9.52E-01	11.06	9.21E-01	12.26	9.92E-01
3.778	9.52E-01	11.08	9.08E-01	12.28	9.92E-01
3.785	9.31E-01	11.10	8.88E-01	12.30	9.84E-01
3.792	9.40E-01	11.12	8.81E-01	12.32	9.97E-01
3.799	9.34E-01	11.14	8.71E-01	12.34	9.95E-01
3.806	9.38E-01	11.16	8.60E-01	12.36	9.73E-01
3.813	9.40E-01	11.18	8.38E-01	12.38	9.14E-01
3.820	9.46E-01	11.20	8.22E-01	12.40	8.16E-01
3.827	9.46E-01	11.22	7.94E-01	12.42	6.57E-01
3.834	9.49E-01	11.24	7.66E-01	12.44	4.77E-01
3.841	9.54E-01	11.26	7.25E-01	12.46	3.03E-01
3.848	9.49E-01	11.28	6.73E-01	12.48	1.74E-01
3.855	9.49E-01	11.30	6.15E-01	12.50	9.13E-02
3.862	9.51E-01	11.32	5.45E-01	12.52	4.56E-02
3.869	9.55E-01	11.34	4.71E-01	12.54	2.43E-02
3.876	9.62E-01	11.36	3.89E-01	12.56	1.22E-02
3.883	9.84E-01	11.38	3.08E-01	12.58	6.24E-03
3.890	9.88E-01	11.40	2.31E-01	12.60	5.29E-03
3.897	1.00E+00	11.42	1.67E-01	12.62	1.70E-03
3.904	9.85E-01	11.44	1.17E-01	12.64	-1.40E-03
3.911	9.42E-01	11.46	8.03E-02	12.66	2.88E-04
3.918	8.53E-01	11.48	5.48E-02	12.68	3.98E-04
3.925	7.21E-01	11.50	3.79E-02	12.70	-2.52E-03
3.932	5.73E-01	11.52	2.59E-02	12.72	4.66E-03
3.939	4.35E-01	11.54	1.82E-02	12.74	-2.28E-03
3.946	3.16E-01	11.56	1.30E-02	12.76	2.78E-03
3.953	2.28E-01	11.58	9.28E-03	12.78	1.31E-03
3.960	1.65E-01	11.60	6.65E-03	12.80	-2.41E-03
3.967	1.20E-01	11.62	4.81E-03	12.82	2.26E-03
3.974	8.78E-02	11.64	3.45E-03	12.84	6.61E-03
3.981	6.56E-02	11.66	2.57E-03	12.86	-2.91E-03
3.988	5.00E-02	11.68	2.22E-03	12.88	-1.88E-03
3.995	3.88E-02	11.70	2.00E-03	12.90	-2.43E-03
4.002	3.07E-02	11.72	6.49E-04	12.92	4.67E-03
4.009	2.49E-02	11.74	7.01E-04	12.94	1.14E-04
4.016	2.01E-02	11.76	-2.81E-05	12.96	2.02E-05
4.023	1.68E-02	11.78	-1.35E-05	12.98	-2.25E-03
4.030	1.41E-02	11.80	-3.20E-04	13.00	-1.10E-03
4.037	1.22E-02	11.82	-7.87E-04	13.02	-1.40E-03
4.044	1.06E-02	11.84	3.16E-04	13.04	2.11E-04

4.051	9.18E-03	11.86	1.59E-04	13.06	-2.71E-03
4.058	8.46E-03	11.88	3.38E-04	13.08	1.93E-03
4.065	7.44E-03	11.90	1.78E-04	13.10	-4.37E-05
4.072	7.05E-03	11.92	-4.31E-04	13.12	-2.73E-03
4.079	6.69E-03	11.94	1.11E-04	13.14	-2.52E-03
4.086	6.60E-03	11.96	7.20E-04	13.16	5.47E-04
4.093	6.61E-03	11.98	2.54E-04	13.18	-2.52E-03
4.100	6.67E-03	12.00	-3.65E-04	13.20	-2.41E-03
4.107	6.78E-03	12.02	4.97E-05	13.22	-3.38E-03
4.114	6.92E-03	12.04	4.64E-05	13.24	-1.24E-04
4.121	7.03E-03	12.06	-3.25E-04	13.26	4.15E-03
4.128	6.67E-03	12.08	3.32E-04	13.28	-7.03E-04
4.135	5.99E-03	12.10	-4.45E-04	13.30	-4.64E-03
4.142	5.09E-03	12.12	4.05E-04	13.32	1.18E-02
4.149	4.12E-03	12.14	-9.68E-04	13.34	2.86E-03
4.156	3.02E-03	12.16	-6.25E-04	13.36	4.40E-04
4.163	2.29E-03	12.18	1.66E-04	13.38	-1.30E-03
4.170	1.67E-03	12.20	1.61E-04	13.40	3.60E-03
4.177	1.03E-03	12.22	3.60E-04	13.42	-1.33E-03
4.184	6.64E-04	12.24	2.59E-04	13.44	-2.69E-03
4.191	5.32E-04	12.26	-6.01E-04	13.46	5.24E-03
4.198	2.34E-04	12.28	4.48E-04	13.48	9.86E-03
4.205	4.96E-05	12.30	-4.57E-04	13.50	-2.73E-03
4.212	1.77E-04	12.32	-1.16E-03	13.52	4.84E-03
4.219	3.27E-04	12.34	-2.82E-04	13.54	-7.65E-04
4.226	1.09E-03	12.36	-1.69E-04	13.56	-6.04E-03
4.233	3.74E-04	12.38	5.41E-04	13.58	-6.09E-03
4.240	-1.64E-05	12.40	-7.21E-04	13.60	-3.87E-03
4.247	-9.24E-04	12.42	1.83E-04	13.62	4.37E-03
4.254	-7.17E-05	12.44	-1.25E-03	13.64	7.61E-04
4.261	6.83E-04	12.46	2.27E-05	13.66	1.79E-03
4.268	3.84E-04	12.48	-8.60E-05	13.68	1.03E-02
4.275	-5.42E-04	12.50	5.14E-04	13.70	-4.58E-03
4.282	-8.68E-06	12.52	-8.90E-05	13.72	2.09E-03
4.289	-6.83E-04	12.54	1.38E-04	13.74	2.28E-03
4.296	3.57E-04	12.56	-8.18E-04	13.76	-1.74E-03
4.303	4.44E-04	12.58	-1.05E-03	13.78	-2.28E-03
4.310	6.76E-04	12.60	-1.13E-03	13.80	1.30E-02
4.317	1.45E-04	12.62	-1.23E-03	13.82	-2.95E-03
4.324	2.94E-04	12.64	-5.87E-04	13.84	-9.34E-04
4.331	-1.20E-06	12.66	3.84E-04	13.86	2.01E-03
4.338	-8.42E-06	12.68	-4.95E-04	13.88	8.68E-03
4.345	-7.49E-05	12.70	-2.31E-03	13.90	3.92E-03
4.352	-7.52E-05	12.72	-4.15E-04	13.92	-3.40E-03
4.359	1.23E-05	12.74	-4.38E-04	13.94	-1.24E-03
4.366	-7.68E-05	12.76	-1.68E-04	13.96	-1.74E-03
4.373	3.28E-05	12.78	6.80E-05	13.98	-3.06E-04
4.380	2.77E-05	12.80	-6.42E-05	14.00	2.88E-03
4.387	-4.89E-05	-	-	-	-
4.394	2.62E-05	-	-	-	-
4.401	-7.29E-05	-	-	-	-
4.408	-7.77E-05	-	-	-	-

4.415	2.90E-05	-	-	-	-
4.422	-9.15E-05	-	-	-	-
4.429	1.67E-06	-	-	-	-
4.436	2.41E-05	-	-	-	-
4.443	4.87E-05	-	-	-	-
4.450	3.30E-05	-	-	-	-
4.457	-5.20E-05	-	-	-	-
4.464	-3.21E-05	-	-	-	-
4.471	-2.33E-05	-	-	-	-
4.478	-3.01E-05	-	-	-	-
4.485	9.55E-05	-	-	-	-
4.492	-4.42E-05	-	-	-	-
4.499	4.79E-05	-	-	-	-

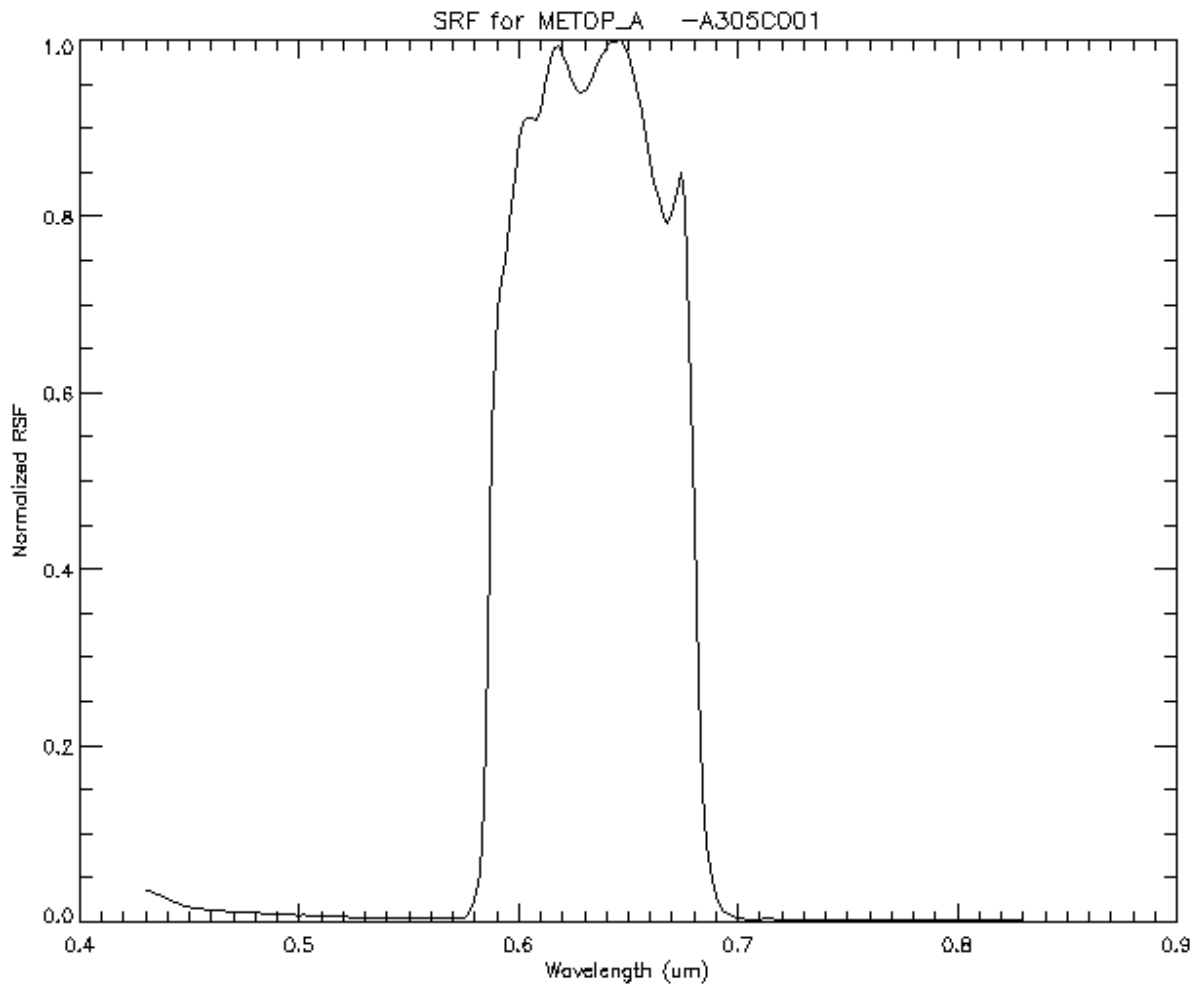


Figure D.5-1. Spectral Response Curve for MetOp-A Channel 1.

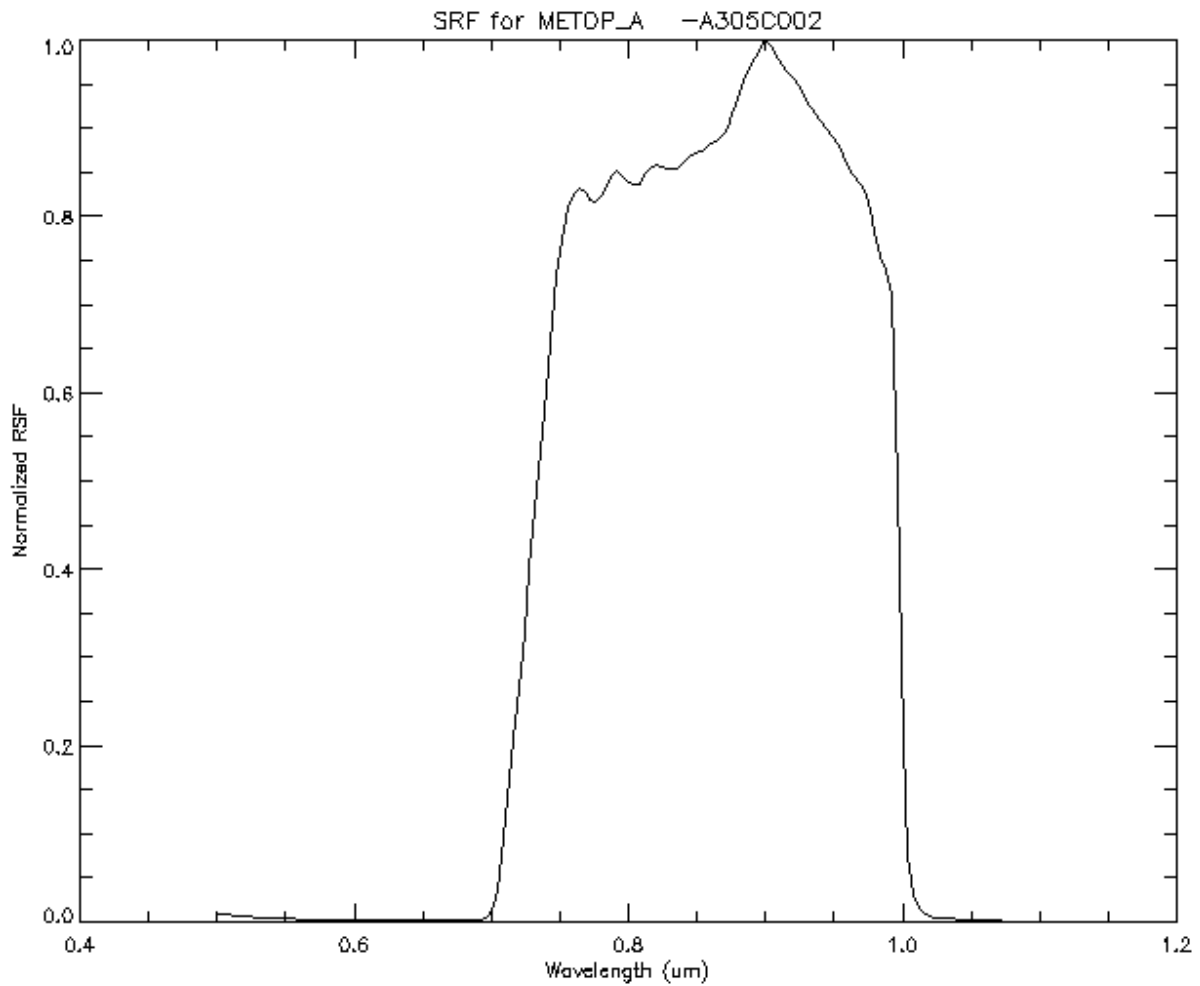


Figure D.5-2. Spectral Response Curve for MetOp-A Channel 2.

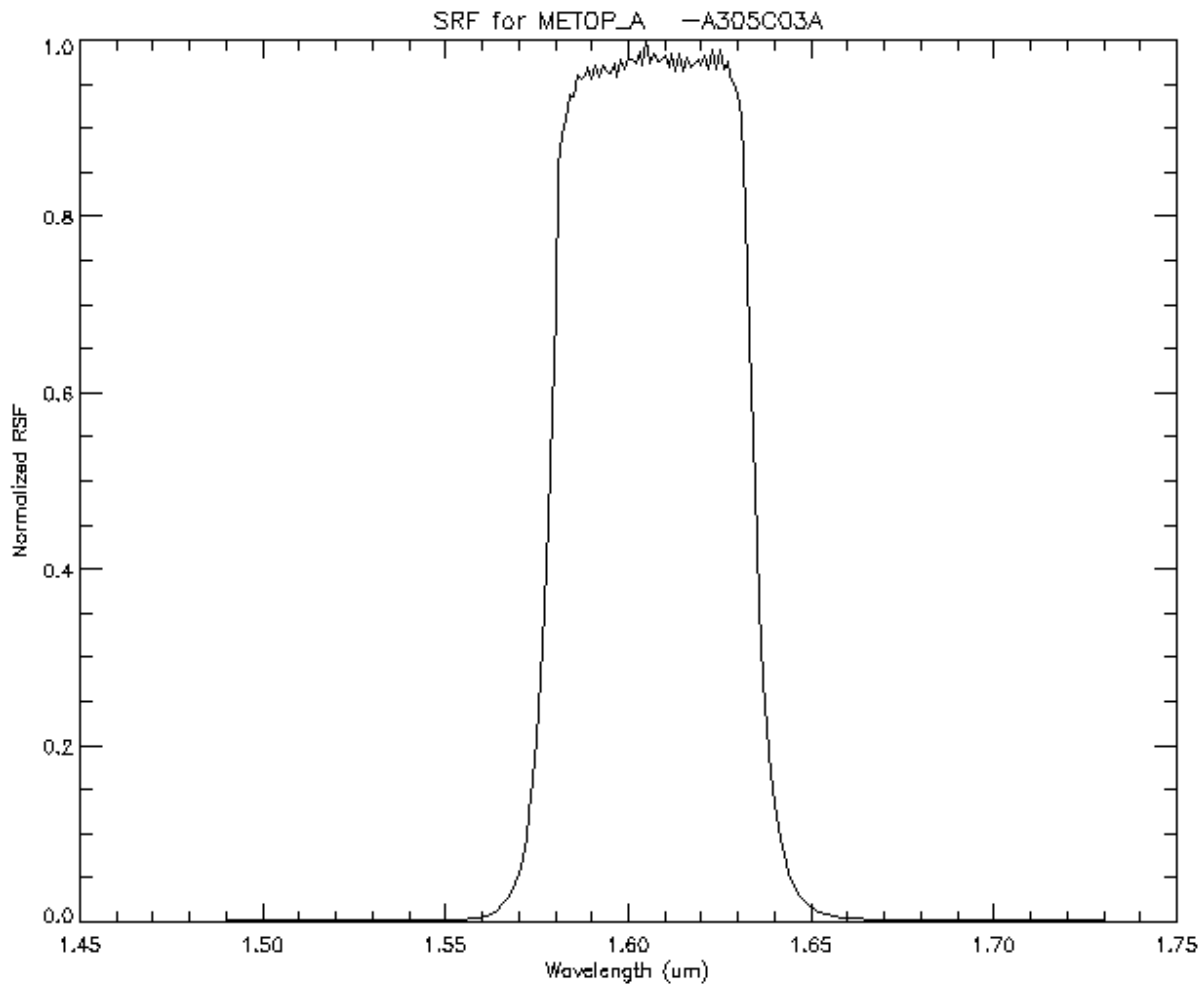


Figure D.5-3. Spectral Response Curve for MetOp-A Channel 3A.

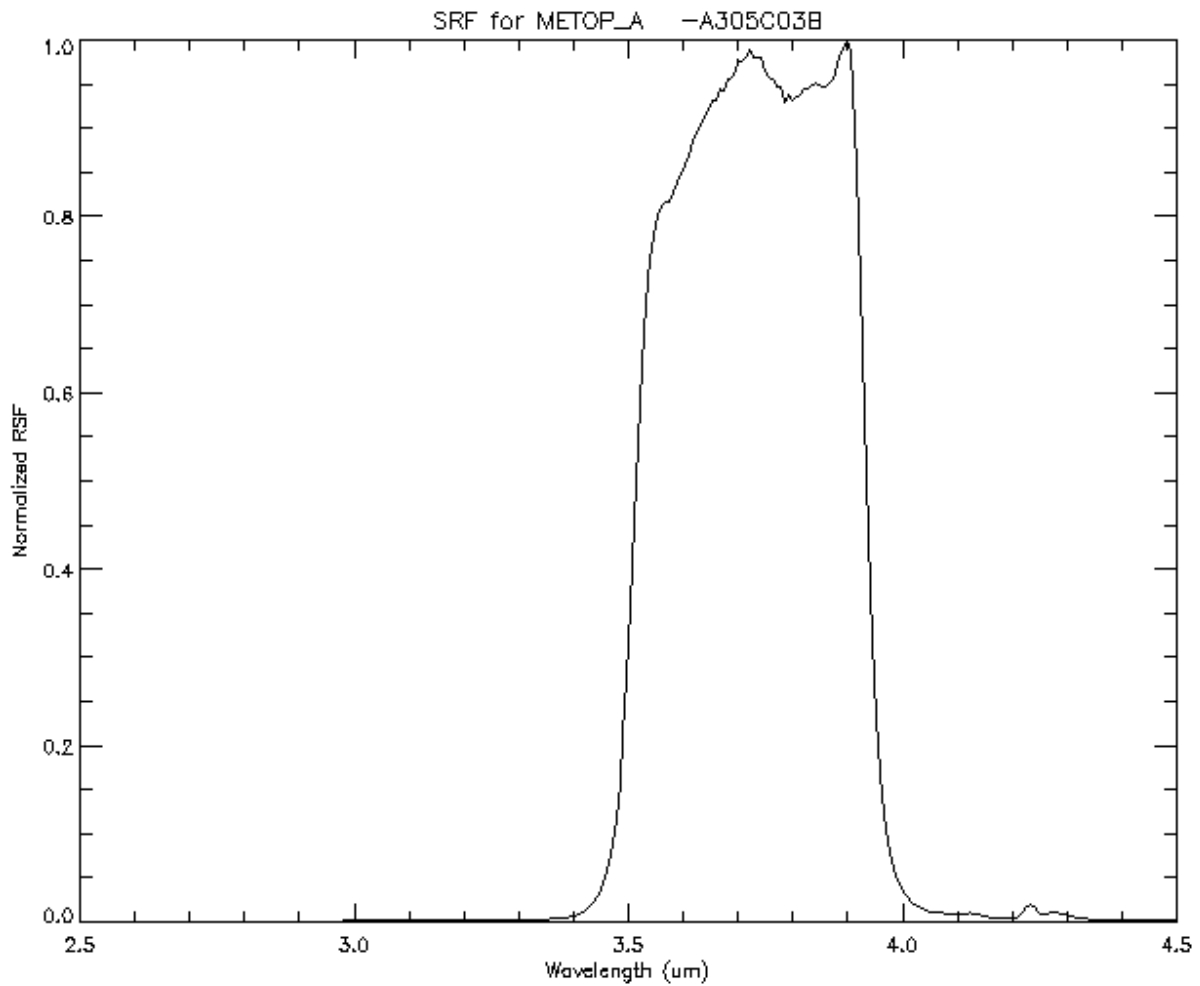


Figure D.5-4. Spectral Response Curve for MetOp-A Channel 3B.

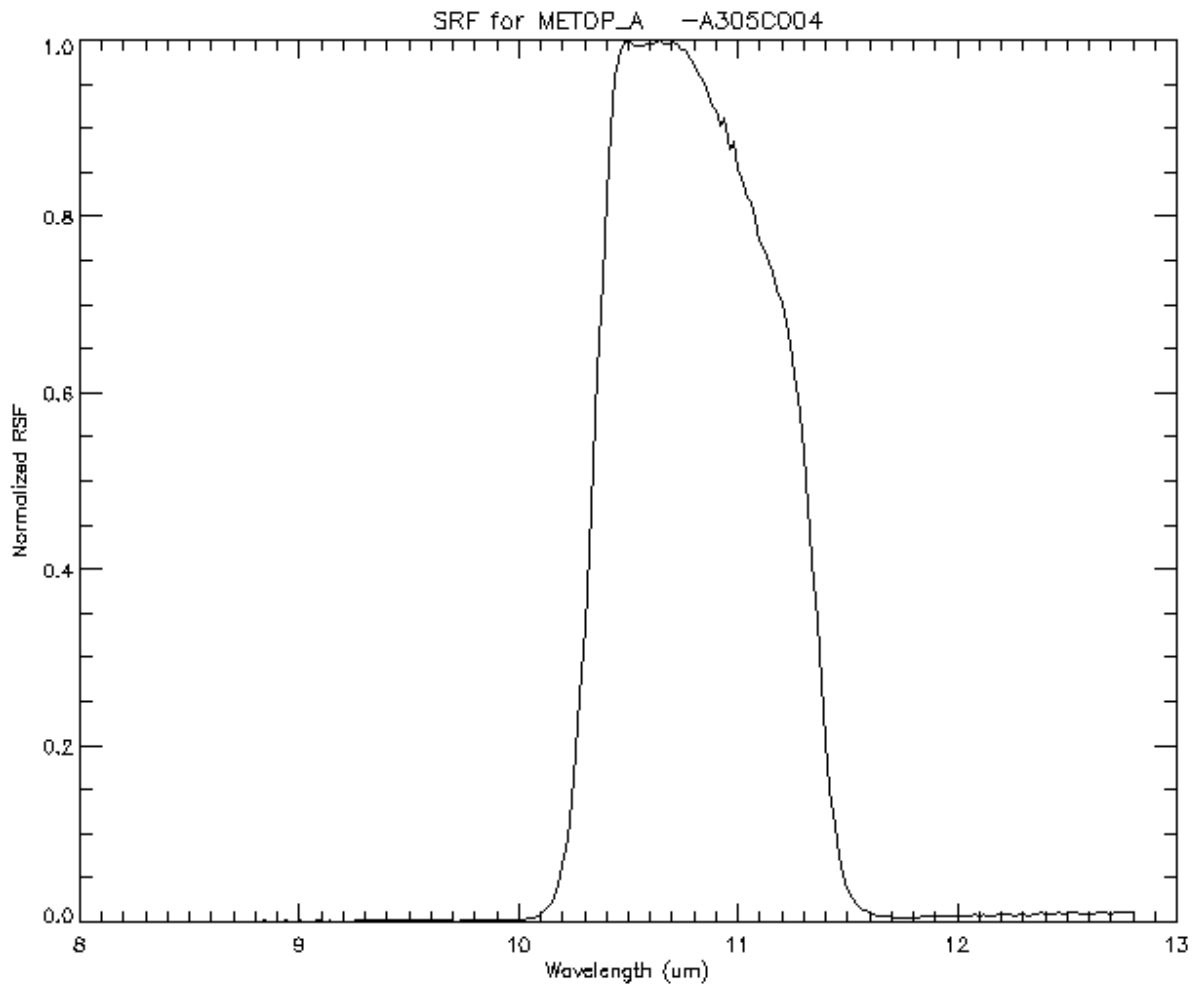


Figure D.5-5. Spectral Response Curve for MetOp-A Channel 4.

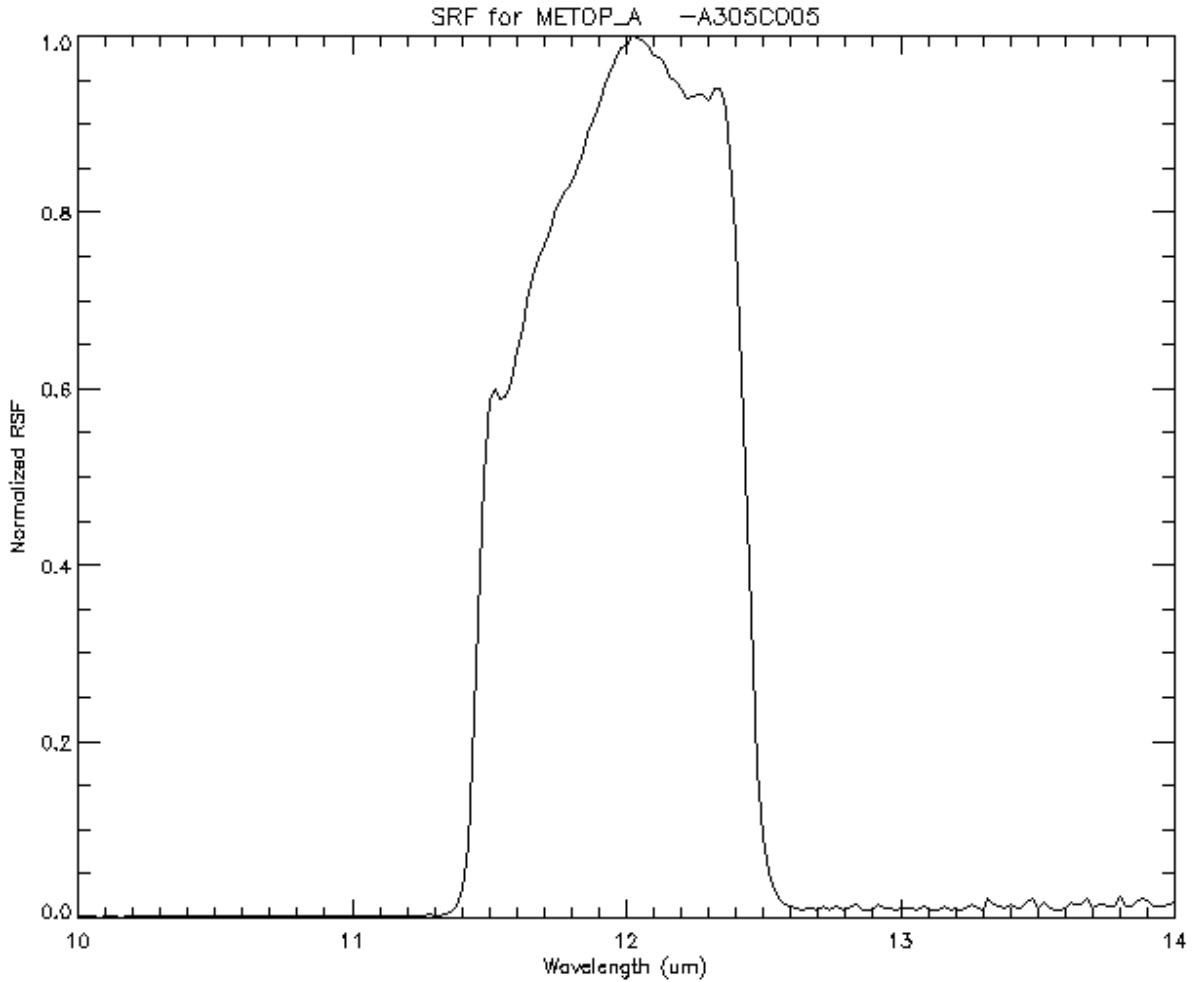


Figure D.5-6. Spectral Response Curve for MetOp-A Channel 5.

HIRS:

Table D.5-10 contains the MetOp-2 HIRS H306 central wave numbers, half power bandwidth and band correction coefficients for the thermal channels.

Table D.5-10. MetOp-2 HIRS (H306) Central Wave Numbers (ν_C), Half Power Bandwidth and Band Correction Coefficients (b and c).				
Channel #	ν_C (cm^{-1})	Half power bandwidth (cm^{-1})	b	c
1	668.66	3.23	.001249	.99999
2	679.18	10.15	.007424	.99997
3	689.70	14.58	.019006	.99991
4	701.99	15.66	.017762	.99992
5	716.47	16.86	.019533	.99991
6	731.71	16.93	.019816	.99991
7	748.82	17.37	.021136	.99991

8	898.59	34.64	.064148	.99977
9	1028.50	22.76	.039184	.99987
10	800.93	14.98	.015975	.99994
11	1361.90	39.12	.073425	.99982
12	1530.10	53.79	.113630	.99974
13	2189.70	20.61	.017029	.99997
14	2212.30	21.12	.018179	.99997
15	2237.60	21.83	.018575	.99997
16	2245.60	21.80	.017578	.99997
17	2418.90	27.79	.030204	.99995
18	2516.10	32.77	.049378	.99993
19	2663.37	102.58	.280270	.99962

Table D.5-11 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the MetOp-2 HIRS/306 instrument.

Table D.5-11. MetOp-2 IWT PRT Count to Temperature Coefficients for HIRS/306.						
PRT	A	B	C	D	E	F
1	28.204977	6.552487 E-03	8.844894 E-08	3.598945 E-11	9.799748 E-16	5.661177 E-19
2	28.20039	6.553611 E-03	8.788096 E-08	3.629800 E-11	1.016962 E-15	5.531661 E-19
3	28.22074	6.560474 E-03	8.747933 E-08	3.5917191 E-11	1.044505 E-15	5.770502 E-19
4	28.20408	6.563327 E-03	8.782467 E-08	3.637238 E-11	1.004441 E-15	5.594284 E-19
5	28.24092	6.555950 E-03	8.880498 E-08	3.601215 E-11	9.576640 E-16	5.685200 E-19
This information is based on the data in HIRS/4 H306 Alignment/Calibration Handbook, Revision E,						

Table D.5-12 contains the primary, secondary and tertiary telescope temperature coefficients for the MetOp-A HIRS/H305 instrument.

Table D.5-12. MetOp-2 HIRS/306 Primary, Secondary and Tertiary Telescope Temperature Coefficients.						
	A	B	C	D	E	F
Primary	-1.297965 E+01	1.766184 E-02	-3.8574729 E-06	1.412260 E-09	-2.77838 E-13	2.899835 E-17
Secondary	-1.296180 E+01	1.769990 E-02	-3.928084 E-06	1.457779 E-09	-2.903176 E-13	3.026201 E-017
Tertiary	-1.301502 E+01	1.722187 E-02	-3.903556 E-06	1.427024 E-09	-2.793666 E-13	2.901320 E-17
This information is based on the data in HIRS/4 H306 Alignment/Calibration Handbook,						

Table D.5-13 contains the actual filter functions for MetOp-A HIRS/H306. The same information can be downloaded as an ASCII file or viewed as a graphic file from the following website: <http://www.orbit.nesdis.noaa.gov/smcd/spb/calibration/hirs/srf/hirssrf.html>.

Table D.5-13. Normalized Response Functions for the MetOp-A HIRS H306 Thermal Channels.

Channel 1				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.6330000E+02	0.0000000E+00	2.2486000E-01	0.0000000E+00	0.0000000E+00
6.6340000E+02	1.1320000E-02	2.2486000E-01	2.5456000E-03	2.8961000E-02
6.6350000E+02	1.2687000E-02	2.2511000E-01	2.8558000E-03	3.2491000E-02
6.6360000E+02	1.4643000E-02	2.2535000E-01	3.2999000E-03	3.7544000E-02
6.6370000E+02	1.6778000E-02	2.2560000E-01	3.7851000E-03	4.3064000E-02
6.6380000E+02	1.9024000E-02	2.2585000E-01	4.2964000E-03	4.8882000E-02
6.6390000E+02	2.1621000E-02	2.2610000E-01	4.8885000E-03	5.5617000E-02
6.6400000E+02	2.4632000E-02	2.2634000E-01	5.5753000E-03	6.3431000E-02
6.6410000E+02	2.7677000E-02	2.2632000E-01	6.2638000E-03	7.1265000E-02
6.6420000E+02	3.0209000E-02	2.2629000E-01	6.8360000E-03	7.7775000E-02
6.6430000E+02	3.1952000E-02	2.2626000E-01	7.2295000E-03	8.2252000E-02
6.6440000E+02	3.3037000E-02	2.2623000E-01	7.4741000E-03	8.5035000E-02
6.6450000E+02	3.3807000E-02	2.2620000E-01	7.6472000E-03	8.7004000E-02
6.6460000E+02	3.4597000E-02	2.2617000E-01	7.8248000E-03	8.9025000E-02
6.6470000E+02	3.5685000E-02	2.2614000E-01	8.0697000E-03	9.1811000E-02
6.6480000E+02	3.7290000E-02	2.2610000E-01	8.4313000E-03	9.5925000E-02
6.6490000E+02	3.9502000E-02	2.2606000E-01	8.9300000E-03	1.0160000E-01
6.6500000E+02	4.2229000E-02	2.2602000E-01	9.5447000E-03	1.0859000E-01
6.6510000E+02	4.5284000E-02	2.2598000E-01	1.0233000E-02	1.1643000E-01
6.6520000E+02	4.8552000E-02	2.2594000E-01	1.0970000E-02	1.2481000E-01
6.6530000E+02	5.2025000E-02	2.2589000E-01	1.1752000E-02	1.3371000E-01
6.6540000E+02	5.5668000E-02	2.2585000E-01	1.2573000E-02	1.4304000E-01
6.6550000E+02	5.9305000E-02	2.2582000E-01	1.3392000E-02	1.5236000E-01
6.6560000E+02	6.2712000E-02	2.2582000E-01	1.4162000E-02	1.6112000E-01
6.6570000E+02	6.5863000E-02	2.2583000E-01	1.4874000E-02	1.6922000E-01
6.6580000E+02	6.9081000E-02	2.2584000E-01	1.5601000E-02	1.7750000E-01
6.6590000E+02	7.2932000E-02	2.2584000E-01	1.6471000E-02	1.8740000E-01
6.6600000E+02	7.7934000E-02	2.2585000E-01	1.7601000E-02	2.0025000E-01
6.6610000E+02	8.4268000E-02	2.2602000E-01	1.9046000E-02	2.1669000E-01
6.6620000E+02	9.1681000E-02	2.2619000E-01	2.0737000E-02	2.3593000E-01
6.6630000E+02	9.9615000E-02	2.2636000E-01	2.2549000E-02	2.5655000E-01

6.6640000E+02	1.0751000E-01	2.2653000E-01	2.4355000E-02	2.7709000E-01
6.6650000E+02	1.1511000E-01	2.2670000E-01	2.6096000E-02	2.9690000E-01
6.6660000E+02	1.2255000E-01	2.2687000E-01	2.7803000E-02	3.1633000E-01
6.6670000E+02	1.3024000E-01	2.2704000E-01	2.9569000E-02	3.3642000E-01
6.6680000E+02	1.3860000E-01	2.2722000E-01	3.1491000E-02	3.5828000E-01
6.6690000E+02	1.4789000E-01	2.2739000E-01	3.3628000E-02	3.8259000E-01
6.6700000E+02	1.5816000E-01	2.2756000E-01	3.5992000E-02	4.0948000E-01
6.6710000E+02	1.6933000E-01	2.2776000E-01	3.8567000E-02	4.3878000E-01
6.6720000E+02	1.8119000E-01	2.2796000E-01	4.1304000E-02	4.6992000E-01
6.6730000E+02	1.9348000E-01	2.2816000E-01	4.4145000E-02	5.0225000E-01
6.6740000E+02	2.0595000E-01	2.2836000E-01	4.7031000E-02	5.3508000E-01
6.6750000E+02	2.1837000E-01	2.2861000E-01	4.9922000E-02	5.6797000E-01
6.6760000E+02	2.3060000E-01	2.2886000E-01	5.2774000E-02	6.0042000E-01
6.6770000E+02	2.4261000E-01	2.2911000E-01	5.5583000E-02	6.3239000E-01
6.6780000E+02	2.5464000E-01	2.2936000E-01	5.8404000E-02	6.6448000E-01
6.6790000E+02	2.6726000E-01	2.2961000E-01	6.1367000E-02	6.9819000E-01
6.6800000E+02	2.8121000E-01	2.2987000E-01	6.4640000E-02	7.3543000E-01
6.6810000E+02	2.9691000E-01	2.3022000E-01	6.8355000E-02	7.7769000E-01
6.6820000E+02	3.1403000E-01	2.3057000E-01	7.2407000E-02	8.2379000E-01
6.6830000E+02	3.3131000E-01	2.3093000E-01	7.6509000E-02	8.7046000E-01
6.6840000E+02	3.4705000E-01	2.3128000E-01	8.0268000E-02	9.1322000E-01
6.6850000E+02	3.5979000E-01	2.3164000E-01	8.3341000E-02	9.4819000E-01
6.6860000E+02	3.6882000E-01	2.3199000E-01	8.5565000E-02	9.7349000E-01
6.6870000E+02	3.7430000E-01	2.3235000E-01	8.6968000E-02	9.8946000E-01
6.6880000E+02	3.7684000E-01	2.3271000E-01	8.7693000E-02	9.9771000E-01
6.6890000E+02	3.7712000E-01	2.3307000E-01	8.7895000E-02	1.0000000E+00
6.6900000E+02	3.7562000E-01	2.3342000E-01	8.7679000E-02	9.9755000E-01
6.6910000E+02	3.7266000E-01	2.3378000E-01	8.7119000E-02	9.9117000E-01
6.6920000E+02	3.6860000E-01	2.3413000E-01	8.6302000E-02	9.8188000E-01
6.6930000E+02	3.6397000E-01	2.3449000E-01	8.5348000E-02	9.7102000E-01
6.6940000E+02	3.5910000E-01	2.3488000E-01	8.4346000E-02	9.5962000E-01
6.6950000E+02	3.5363000E-01	2.3530000E-01	8.3211000E-02	9.4671000E-01
6.6960000E+02	3.4637000E-01	2.3572000E-01	8.1648000E-02	9.2893000E-01
6.6970000E+02	3.3573000E-01	2.3614000E-01	7.9281000E-02	9.0199000E-01
6.6980000E+02	3.2070000E-01	2.3656000E-01	7.5865000E-02	8.6314000E-01
6.6990000E+02	3.0153000E-01	2.3699000E-01	7.1459000E-02	8.1301000E-01
6.7000000E+02	2.7966000E-01	2.3741000E-01	6.6393000E-02	7.5537000E-01
6.7010000E+02	2.5686000E-01	2.3760000E-01	6.1032000E-02	6.9437000E-01
6.7020000E+02	2.3459000E-01	2.3780000E-01	5.5784000E-02	6.3467000E-01
6.7030000E+02	2.1374000E-01	2.3799000E-01	5.0868000E-02	5.7874000E-01
6.7040000E+02	1.9492000E-01	2.3818000E-01	4.6427000E-02	5.2821000E-01
6.7050000E+02	1.7853000E-01	2.3838000E-01	4.2558000E-02	4.8420000E-01
6.7060000E+02	1.6459000E-01	2.3857000E-01	3.9267000E-02	4.4675000E-01

6.7070000E+02	1.5247000E-01	2.3876000E-01	3.6404000E-02	4.1417000E-01
6.7080000E+02	1.4104000E-01	2.3895000E-01	3.3703000E-02	3.8344000E-01
6.7090000E+02	1.2924000E-01	2.3914000E-01	3.0907000E-02	3.5163000E-01
6.7100000E+02	1.1657000E-01	2.3934000E-01	2.7899000E-02	3.1741000E-01
6.7110000E+02	1.0330000E-01	2.3952000E-01	2.4744000E-02	2.8152000E-01
6.7120000E+02	9.0280000E-02	2.3971000E-01	2.1641000E-02	2.4622000E-01
6.7130000E+02	7.8456000E-02	2.3992000E-01	1.8823000E-02	2.1415000E-01
6.7140000E+02	6.8499000E-02	2.4015000E-01	1.6450000E-02	1.8716000E-01
6.7150000E+02	6.0516000E-02	2.4039000E-01	1.4547000E-02	1.6551000E-01
6.7160000E+02	5.4062000E-02	2.4063000E-01	1.3009000E-02	1.4800000E-01
6.7170000E+02	4.8466000E-02	2.4086000E-01	1.1674000E-02	1.3282000E-01
6.7180000E+02	4.3271000E-02	2.4110000E-01	1.0433000E-02	1.1870000E-01
6.7190000E+02	3.8426000E-02	2.4134000E-01	9.2736000E-03	1.0551000E-01
6.7200000E+02	3.4072000E-02	2.4157000E-01	8.2308000E-03	9.3644000E-02
6.7210000E+02	3.0171000E-02	2.4190000E-01	7.2983000E-03	8.3034000E-02
6.7220000E+02	2.6414000E-02	2.4222000E-01	6.3979000E-03	7.2791000E-02
6.7230000E+02	2.2517000E-02	2.4254000E-01	5.4612000E-03	6.2133000E-02
6.7240000E+02	1.8563000E-02	2.4286000E-01	4.5082000E-03	5.1290000E-02
6.7250000E+02	1.4965000E-02	2.4318000E-01	3.6393000E-03	4.1405000E-02
6.7260000E+02	1.2078000E-02	2.4350000E-01	2.9409000E-03	3.3459000E-02
6.7270000E+02	9.8908000E-03	2.4382000E-01	2.4115000E-03	2.7437000E-02
6.7280000E+02	8.1389000E-03	2.4413000E-01	1.9870000E-03	2.2606000E-02
6.7290000E+02	6.6381000E-03	2.4445000E-01	1.6227000E-03	1.8462000E-02
6.7300000E+02	5.4414000E-03	2.4477000E-01	1.3319000E-03	1.5153000E-02
6.7310000E+02	4.6697000E-03	2.4508000E-01	1.1444000E-03	1.3021000E-02
6.7320000E+02	4.2909000E-03	2.4539000E-01	1.0530000E-03	1.1980000E-02
6.7330000E+02	4.1440000E-03	2.4570000E-01	1.0182000E-03	1.1584000E-02
6.7340000E+02	4.1366000E-03	2.4601000E-01	1.0177000E-03	1.1578000E-02
6.7350000E+02	0.0000000E+00	2.4601000E-01	0.0000000E+00	0.0000000E+00
Channel 2				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.6800000E+02	0.0000000E+00	2.2987000E-01	0.0000000E+00	0.0000000E+00
6.6810000E+02	7.6025000E-04	2.3022000E-01	1.7502000E-04	9.9012000E-04
6.6820000E+02	1.2685000E-03	2.3057000E-01	2.9249000E-04	1.6547000E-03
6.6830000E+02	1.8495000E-03	2.3093000E-01	4.2711000E-04	2.4162000E-03
6.6840000E+02	2.4677000E-03	2.3128000E-01	5.7074000E-04	3.2287000E-03
6.6850000E+02	3.0886000E-03	2.3164000E-01	7.1543000E-04	4.0472000E-03
6.6860000E+02	3.6845000E-03	2.3199000E-01	8.5478000E-04	4.8356000E-03
6.6870000E+02	4.2378000E-03	2.3235000E-01	9.8465000E-04	5.5702000E-03
6.6880000E+02	4.7409000E-03	2.3271000E-01	1.1032000E-03	6.2411000E-03

6.6890000E+02	5.1938000E-03	2.3307000E-01	1.2105000E-03	6.8479000E-03
6.6900000E+02	5.6008000E-03	2.3342000E-01	1.3074000E-03	7.3958000E-03
6.6910000E+02	5.9662000E-03	2.3378000E-01	1.3948000E-03	7.8902000E-03
6.6920000E+02	6.2928000E-03	2.3413000E-01	1.4733000E-03	8.3348000E-03
6.6930000E+02	6.5819000E-03	2.3449000E-01	1.5434000E-03	8.7311000E-03
6.6940000E+02	6.8350000E-03	2.3488000E-01	1.6054000E-03	9.0820000E-03
6.6950000E+02	7.0565000E-03	2.3530000E-01	1.6604000E-03	9.3930000E-03
6.6960000E+02	7.2561000E-03	2.3572000E-01	1.7104000E-03	9.6760000E-03
6.6970000E+02	7.4506000E-03	2.3614000E-01	1.7594000E-03	9.9531000E-03
6.6980000E+02	7.6630000E-03	2.3656000E-01	1.8128000E-03	1.0255000E-02
6.6990000E+02	7.9208000E-03	2.3699000E-01	1.8771000E-03	1.0619000E-02
6.7000000E+02	8.2535000E-03	2.3741000E-01	1.9595000E-03	1.1085000E-02
6.7010000E+02	8.6901000E-03	2.3760000E-01	2.0648000E-03	1.1681000E-02
6.7020000E+02	9.2573000E-03	2.3780000E-01	2.2014000E-03	1.2453000E-02
6.7030000E+02	9.9794000E-03	2.3799000E-01	2.3750000E-03	1.3436000E-02
6.7040000E+02	1.0879000E-02	2.3818000E-01	2.5912000E-03	1.4659000E-02
6.7050000E+02	1.1978000E-02	2.3838000E-01	2.8554000E-03	1.6153000E-02
6.7060000E+02	1.3301000E-02	2.3857000E-01	3.1732000E-03	1.7951000E-02
6.7070000E+02	1.4872000E-02	2.3876000E-01	3.5509000E-03	2.0088000E-02
6.7080000E+02	1.6718000E-02	2.3895000E-01	3.9949000E-03	2.2599000E-02
6.7090000E+02	1.8867000E-02	2.3914000E-01	4.5119000E-03	2.5524000E-02
6.7100000E+02	2.1345000E-02	2.3934000E-01	5.1085000E-03	2.8899000E-02
6.7110000E+02	2.4177000E-02	2.3952000E-01	5.7911000E-03	3.2761000E-02
6.7120000E+02	2.7390000E-02	2.3971000E-01	6.5656000E-03	3.7142000E-02
6.7130000E+02	3.1004000E-02	2.3992000E-01	7.4384000E-03	4.2080000E-02
6.7140000E+02	3.5046000E-02	2.4015000E-01	8.4165000E-03	4.7613000E-02
6.7150000E+02	3.9542000E-02	2.4039000E-01	9.5054000E-03	5.3773000E-02
6.7160000E+02	4.4519000E-02	2.4063000E-01	1.0712000E-02	6.0601000E-02
6.7170000E+02	5.0010000E-02	2.4086000E-01	1.2046000E-02	6.8143000E-02
6.7180000E+02	5.6050000E-02	2.4110000E-01	1.3514000E-02	7.6448000E-02
6.7190000E+02	6.2673000E-02	2.4134000E-01	1.5125000E-02	8.5566000E-02
6.7200000E+02	6.9913000E-02	2.4157000E-01	1.6889000E-02	9.5544000E-02
6.7210000E+02	7.7803000E-02	2.4190000E-01	1.8820000E-02	1.0647000E-01
6.7220000E+02	8.6369000E-02	2.4222000E-01	2.0920000E-02	1.1835000E-01
6.7230000E+02	9.5637000E-02	2.4254000E-01	2.3196000E-02	1.3122000E-01
6.7240000E+02	1.0562000E-01	2.4286000E-01	2.5652000E-02	1.4511000E-01
6.7250000E+02	1.1635000E-01	2.4318000E-01	2.8293000E-02	1.6006000E-01
6.7260000E+02	1.2781000E-01	2.4350000E-01	3.1121000E-02	1.7606000E-01
6.7270000E+02	1.4002000E-01	2.4382000E-01	3.4138000E-02	1.9312000E-01
6.7280000E+02	1.5295000E-01	2.4413000E-01	3.7341000E-02	2.1124000E-01
6.7290000E+02	1.6661000E-01	2.4445000E-01	4.0727000E-02	2.3040000E-01
6.7300000E+02	1.8094000E-01	2.4477000E-01	4.4288000E-02	2.5054000E-01
6.7310000E+02	1.9591000E-01	2.4508000E-01	4.8015000E-02	2.7162000E-01

6.7320000E+02	2.1146000E-01	2.4539000E-01	5.1892000E-02	2.9356000E-01
6.7330000E+02	2.2752000E-01	2.4570000E-01	5.5903000E-02	3.1625000E-01
6.7340000E+02	2.4401000E-01	2.4601000E-01	6.0029000E-02	3.3959000E-01
6.7350000E+02	2.6083000E-01	2.4632000E-01	6.4249000E-02	3.6346000E-01
6.7360000E+02	2.7790000E-01	2.4663000E-01	6.8538000E-02	3.8772000E-01
6.7370000E+02	2.9509000E-01	2.4694000E-01	7.2871000E-02	4.1223000E-01
6.7380000E+02	3.1232000E-01	2.4725000E-01	7.7220000E-02	4.3684000E-01
6.7390000E+02	3.2946000E-01	2.4756000E-01	8.1559000E-02	4.6139000E-01
6.7400000E+02	3.4639000E-01	2.4787000E-01	8.5859000E-02	4.8571000E-01
6.7410000E+02	3.6302000E-01	2.4800000E-01	9.0029000E-02	5.0930000E-01
6.7420000E+02	3.7923000E-01	2.4814000E-01	9.4100000E-02	5.3233000E-01
6.7430000E+02	3.9491000E-01	2.4827000E-01	9.8045000E-02	5.5465000E-01
6.7440000E+02	4.0998000E-01	2.4840000E-01	1.0184000E-01	5.7612000E-01
6.7450000E+02	4.2436000E-01	2.4854000E-01	1.0547000E-01	5.9665000E-01
6.7460000E+02	4.3797000E-01	2.4867000E-01	1.0891000E-01	6.1612000E-01
6.7470000E+02	4.5078000E-01	2.4881000E-01	1.1216000E-01	6.3448000E-01
6.7480000E+02	4.6274000E-01	2.4894000E-01	1.1519000E-01	6.5166000E-01
6.7490000E+02	4.7383000E-01	2.4907000E-01	1.1802000E-01	6.6763000E-01
6.7500000E+02	4.8405000E-01	2.4920000E-01	1.2063000E-01	6.8239000E-01
6.7510000E+02	4.9341000E-01	2.4933000E-01	1.2302000E-01	6.9594000E-01
6.7520000E+02	5.0193000E-01	2.4942000E-01	1.2519000E-01	7.0821000E-01
6.7530000E+02	5.0966000E-01	2.4949000E-01	1.2715000E-01	7.1931000E-01
6.7540000E+02	5.1664000E-01	2.4955000E-01	1.2893000E-01	7.2936000E-01
6.7550000E+02	5.2294000E-01	2.4962000E-01	1.3054000E-01	7.3846000E-01
6.7560000E+02	5.2863000E-01	2.4969000E-01	1.3199000E-01	7.4670000E-01
6.7570000E+02	5.3380000E-01	2.4976000E-01	1.3332000E-01	7.5421000E-01
6.7580000E+02	5.3853000E-01	2.4982000E-01	1.3454000E-01	7.6109000E-01
6.7590000E+02	5.4290000E-01	2.4989000E-01	1.3567000E-01	7.6748000E-01
6.7600000E+02	5.4701000E-01	2.4996000E-01	1.3673000E-01	7.7349000E-01
6.7610000E+02	5.5094000E-01	2.5012000E-01	1.3780000E-01	7.7955000E-01
6.7620000E+02	5.5476000E-01	2.5029000E-01	1.3885000E-01	7.8548000E-01
6.7630000E+02	5.5856000E-01	2.5045000E-01	1.3989000E-01	7.9137000E-01
6.7640000E+02	5.6239000E-01	2.5061000E-01	1.4094000E-01	7.9732000E-01
6.7650000E+02	5.6632000E-01	2.5078000E-01	1.4202000E-01	8.0342000E-01
6.7660000E+02	5.7040000E-01	2.5094000E-01	1.4314000E-01	8.0973000E-01
6.7670000E+02	5.7467000E-01	2.5110000E-01	1.4430000E-01	8.1631000E-01
6.7680000E+02	5.7915000E-01	2.5126000E-01	1.4552000E-01	8.2321000E-01
6.7690000E+02	5.8387000E-01	2.5142000E-01	1.4680000E-01	8.3045000E-01
6.7700000E+02	5.8883000E-01	2.5158000E-01	1.4814000E-01	8.3803000E-01
6.7710000E+02	5.9402000E-01	2.5173000E-01	1.4953000E-01	8.4591000E-01
6.7720000E+02	5.9944000E-01	2.5185000E-01	1.5097000E-01	8.5404000E-01
6.7730000E+02	6.0505000E-01	2.5197000E-01	1.5246000E-01	8.6245000E-01
6.7740000E+02	6.1084000E-01	2.5209000E-01	1.5399000E-01	8.7112000E-01

6.7750000E+02	6.1676000E-01	2.5221000E-01	1.5555000E-01	8.7998000E-01
6.7760000E+02	6.2277000E-01	2.5233000E-01	1.5714000E-01	8.8897000E-01
6.7770000E+02	6.2883000E-01	2.5245000E-01	1.5874000E-01	8.9803000E-01
6.7780000E+02	6.3487000E-01	2.5256000E-01	1.6034000E-01	9.0708000E-01
6.7790000E+02	6.4086000E-01	2.5268000E-01	1.6193000E-01	9.1605000E-01
6.7800000E+02	6.4673000E-01	2.5279000E-01	1.6349000E-01	9.2485000E-01
6.7810000E+02	6.5242000E-01	2.5305000E-01	1.6509000E-01	9.3394000E-01
6.7820000E+02	6.5789000E-01	2.5330000E-01	1.6664000E-01	9.4272000E-01
6.7830000E+02	6.6307000E-01	2.5356000E-01	1.6813000E-01	9.5110000E-01
6.7840000E+02	6.6792000E-01	2.5381000E-01	1.6953000E-01	9.5902000E-01
6.7850000E+02	6.7239000E-01	2.5406000E-01	1.7083000E-01	9.6639000E-01
6.7860000E+02	6.7642000E-01	2.5432000E-01	1.7203000E-01	9.7316000E-01
6.7870000E+02	6.7999000E-01	2.5457000E-01	1.7310000E-01	9.7926000E-01
6.7880000E+02	6.8305000E-01	2.5482000E-01	1.7406000E-01	9.8464000E-01
6.7890000E+02	6.8558000E-01	2.5507000E-01	1.7487000E-01	9.8926000E-01
6.7900000E+02	6.8754000E-01	2.5533000E-01	1.7555000E-01	9.9308000E-01
6.7910000E+02	6.8892000E-01	2.5559000E-01	1.7608000E-01	9.9611000E-01
6.7920000E+02	6.8970000E-01	2.5586000E-01	1.7647000E-01	9.9828000E-01
6.7930000E+02	6.8988000E-01	2.5612000E-01	1.7670000E-01	9.9958000E-01
6.7940000E+02	6.8946000E-01	2.5639000E-01	1.7677000E-01	1.0000000E+00
6.7950000E+02	6.8843000E-01	2.5666000E-01	1.7669000E-01	9.9955000E-01
6.7960000E+02	6.8682000E-01	2.5692000E-01	1.7646000E-01	9.9824000E-01
6.7970000E+02	6.8464000E-01	2.5719000E-01	1.7608000E-01	9.9609000E-01
6.7980000E+02	6.8190000E-01	2.5745000E-01	1.7556000E-01	9.9314000E-01
6.7990000E+02	6.7865000E-01	2.5772000E-01	1.7490000E-01	9.8942000E-01
6.8000000E+02	6.7491000E-01	2.5798000E-01	1.7411000E-01	9.8498000E-01
6.8010000E+02	6.7072000E-01	2.5804000E-01	1.7307000E-01	9.7908000E-01
6.8020000E+02	6.6611000E-01	2.5810000E-01	1.7192000E-01	9.7258000E-01
6.8030000E+02	6.6113000E-01	2.5816000E-01	1.7068000E-01	9.6552000E-01
6.8040000E+02	6.5582000E-01	2.5822000E-01	1.6934000E-01	9.5798000E-01
6.8050000E+02	6.5022000E-01	2.5827000E-01	1.6793000E-01	9.5001000E-01
6.8060000E+02	6.4437000E-01	2.5833000E-01	1.6646000E-01	9.4168000E-01
6.8070000E+02	6.3832000E-01	2.5839000E-01	1.6494000E-01	9.3305000E-01
6.8080000E+02	6.3212000E-01	2.5844000E-01	1.6337000E-01	9.2418000E-01
6.8090000E+02	6.2578000E-01	2.5850000E-01	1.6176000E-01	9.1511000E-01
6.8100000E+02	6.1935000E-01	2.5856000E-01	1.6014000E-01	9.0593000E-01
6.8110000E+02	6.1285000E-01	2.5864000E-01	1.5851000E-01	8.9668000E-01
6.8120000E+02	6.0630000E-01	2.5871000E-01	1.5686000E-01	8.8734000E-01
6.8130000E+02	5.9972000E-01	2.5878000E-01	1.5520000E-01	8.7795000E-01
6.8140000E+02	5.9312000E-01	2.5885000E-01	1.5353000E-01	8.6852000E-01
6.8150000E+02	5.8650000E-01	2.5892000E-01	1.5186000E-01	8.5906000E-01
6.8160000E+02	5.7985000E-01	2.5899000E-01	1.5017000E-01	8.4955000E-01
6.8170000E+02	5.7316000E-01	2.5906000E-01	1.4848000E-01	8.3998000E-01

6.8180000E+02	5.6643000E-01	2.5913000E-01	1.4678000E-01	8.3033000E-01
6.8190000E+02	5.5962000E-01	2.5920000E-01	1.4505000E-01	8.2057000E-01
6.8200000E+02	5.5272000E-01	2.5927000E-01	1.4330000E-01	8.1066000E-01
6.8210000E+02	5.4568000E-01	2.5951000E-01	1.4161000E-01	8.0110000E-01
6.8220000E+02	5.3847000E-01	2.5976000E-01	1.3988000E-01	7.9128000E-01
6.8230000E+02	5.3107000E-01	2.6001000E-01	1.3808000E-01	7.8115000E-01
6.8240000E+02	5.2342000E-01	2.6026000E-01	1.3622000E-01	7.7063000E-01
6.8250000E+02	5.1550000E-01	2.6051000E-01	1.3429000E-01	7.5969000E-01
6.8260000E+02	5.0726000E-01	2.6075000E-01	1.3227000E-01	7.4827000E-01
6.8270000E+02	4.9868000E-01	2.6100000E-01	1.3016000E-01	7.3631000E-01
6.8280000E+02	4.8973000E-01	2.6125000E-01	1.2794000E-01	7.2377000E-01
6.8290000E+02	4.8038000E-01	2.6150000E-01	1.2562000E-01	7.1063000E-01
6.8300000E+02	4.7061000E-01	2.6175000E-01	1.2318000E-01	6.9684000E-01
6.8310000E+02	4.6040000E-01	2.6200000E-01	1.2063000E-01	6.8239000E-01
6.8320000E+02	4.4976000E-01	2.6225000E-01	1.1795000E-01	6.6726000E-01
6.8330000E+02	4.3868000E-01	2.6251000E-01	1.1516000E-01	6.5145000E-01
6.8340000E+02	4.2716000E-01	2.6276000E-01	1.1224000E-01	6.3496000E-01
6.8350000E+02	4.1523000E-01	2.6301000E-01	1.0921000E-01	6.1781000E-01
6.8360000E+02	4.0290000E-01	2.6326000E-01	1.0607000E-01	6.0004000E-01
6.8370000E+02	3.9021000E-01	2.6352000E-01	1.0283000E-01	5.8170000E-01
6.8380000E+02	3.7719000E-01	2.6377000E-01	9.9490000E-02	5.6282000E-01
6.8390000E+02	3.6388000E-01	2.6402000E-01	9.6070000E-02	5.4348000E-01
6.8400000E+02	3.5032000E-01	2.6427000E-01	9.2580000E-02	5.2373000E-01
6.8410000E+02	3.3657000E-01	2.6434000E-01	8.8967000E-02	5.0329000E-01
6.8420000E+02	3.2267000E-01	2.6440000E-01	8.5315000E-02	4.8263000E-01
6.8430000E+02	3.0869000E-01	2.6446000E-01	8.1637000E-02	4.6182000E-01
6.8440000E+02	2.9467000E-01	2.6452000E-01	7.7948000E-02	4.4096000E-01
6.8450000E+02	2.8068000E-01	2.6459000E-01	7.4264000E-02	4.2012000E-01
6.8460000E+02	2.6676000E-01	2.6465000E-01	7.0599000E-02	3.9938000E-01
6.8470000E+02	2.5298000E-01	2.6471000E-01	6.6966000E-02	3.7883000E-01
6.8480000E+02	2.3938000E-01	2.6477000E-01	6.3381000E-02	3.5855000E-01
6.8490000E+02	2.2601000E-01	2.6484000E-01	5.9855000E-02	3.3860000E-01
6.8500000E+02	2.1291000E-01	2.6490000E-01	5.6399000E-02	3.1905000E-01
6.8510000E+02	2.0012000E-01	2.6496000E-01	5.3023000E-02	2.9996000E-01
6.8520000E+02	1.8767000E-01	2.6502000E-01	4.9737000E-02	2.8137000E-01
6.8530000E+02	1.7560000E-01	2.6508000E-01	4.6549000E-02	2.6333000E-01
6.8540000E+02	1.6393000E-01	2.6514000E-01	4.3465000E-02	2.4589000E-01
6.8550000E+02	1.5269000E-01	2.6520000E-01	4.0492000E-02	2.2907000E-01
6.8560000E+02	1.4188000E-01	2.6526000E-01	3.7635000E-02	2.1291000E-01
6.8570000E+02	1.3153000E-01	2.6531000E-01	3.4898000E-02	1.9742000E-01
6.8580000E+02	1.2165000E-01	2.6537000E-01	3.2283000E-02	1.8263000E-01
6.8590000E+02	1.1224000E-01	2.6543000E-01	2.9792000E-02	1.6854000E-01
6.8600000E+02	1.0331000E-01	2.6549000E-01	2.7426000E-02	1.5515000E-01

6.8610000E+02	9.4843000E-02	2.6586000E-01	2.5215000E-02	1.4265000E-01
6.8620000E+02	8.6851000E-02	2.6624000E-01	2.3123000E-02	1.3081000E-01
6.8630000E+02	7.9326000E-02	2.6662000E-01	2.1150000E-02	1.1965000E-01
6.8640000E+02	7.2264000E-02	2.6700000E-01	1.9294000E-02	1.0915000E-01
6.8650000E+02	6.5658000E-02	2.6737000E-01	1.7555000E-02	9.9311000E-02
6.8660000E+02	5.9505000E-02	2.6775000E-01	1.5932000E-02	9.0130000E-02
6.8670000E+02	5.3794000E-02	2.6813000E-01	1.4424000E-02	8.1595000E-02
6.8680000E+02	4.8517000E-02	2.6852000E-01	1.3027000E-02	7.3697000E-02
6.8690000E+02	4.3659000E-02	2.6891000E-01	1.1740000E-02	6.6416000E-02
6.8700000E+02	3.9208000E-02	2.6930000E-01	1.0559000E-02	5.9731000E-02
6.8710000E+02	3.5146000E-02	2.6969000E-01	9.4784000E-03	5.3620000E-02
6.8720000E+02	3.1456000E-02	2.7008000E-01	8.4956000E-03	4.8060000E-02
6.8730000E+02	2.8122000E-02	2.7047000E-01	7.6061000E-03	4.3028000E-02
6.8740000E+02	2.5127000E-02	2.7086000E-01	6.8057000E-03	3.8500000E-02
6.8750000E+02	2.2452000E-02	2.7125000E-01	6.0901000E-03	3.4452000E-02
6.8760000E+02	2.0080000E-02	2.7164000E-01	5.4544000E-03	3.0856000E-02
6.8770000E+02	1.7989000E-02	2.7203000E-01	4.8934000E-03	2.7682000E-02
6.8780000E+02	1.6155000E-02	2.7242000E-01	4.4009000E-03	2.4896000E-02
6.8790000E+02	1.4553000E-02	2.7281000E-01	3.9701000E-03	2.2459000E-02
6.8800000E+02	1.3156000E-02	2.7320000E-01	3.5941000E-03	2.0332000E-02
6.8810000E+02	1.1936000E-02	2.7349000E-01	3.2643000E-03	1.8466000E-02
6.8820000E+02	1.0869000E-02	2.7377000E-01	2.9757000E-03	1.6833000E-02
6.8830000E+02	9.9322000E-03	2.7406000E-01	2.7221000E-03	1.5399000E-02
6.8840000E+02	9.1063000E-03	2.7435000E-01	2.4983000E-03	1.4133000E-02
6.8850000E+02	8.3740000E-03	2.7464000E-01	2.2999000E-03	1.3010000E-02
6.8860000E+02	7.7194000E-03	2.7493000E-01	2.1223000E-03	1.2006000E-02
6.8870000E+02	7.1268000E-03	2.7523000E-01	1.9615000E-03	1.1096000E-02
6.8880000E+02	6.5804000E-03	2.7552000E-01	1.8130000E-03	1.0256000E-02
6.8890000E+02	6.0650000E-03	2.7581000E-01	1.6728000E-03	9.4632000E-03
6.8900000E+02	5.5671000E-03	2.7611000E-01	1.5371000E-03	8.6956000E-03
6.8910000E+02	5.0773000E-03	2.7640000E-01	1.4034000E-03	7.9390000E-03
6.8920000E+02	4.5915000E-03	2.7670000E-01	1.2704000E-03	7.1870000E-03
6.8930000E+02	4.1114000E-03	2.7699000E-01	1.1388000E-03	6.4424000E-03
6.8940000E+02	3.6438000E-03	2.7728000E-01	1.0104000E-03	5.7157000E-03
6.8950000E+02	3.1978000E-03	2.7758000E-01	8.8764000E-04	5.0214000E-03
6.8960000E+02	2.7823000E-03	2.7787000E-01	7.7312000E-04	4.3736000E-03
6.8970000E+02	2.4028000E-03	2.7816000E-01	6.6837000E-04	3.7810000E-03
6.8980000E+02	2.0599000E-03	2.7846000E-01	5.7360000E-04	3.2449000E-03
6.8990000E+02	1.7496000E-03	2.7875000E-01	4.8770000E-04	2.7590000E-03
6.9000000E+02	1.4648000E-03	2.7904000E-01	4.0875000E-04	2.3123000E-03
6.9010000E+02	1.1985000E-03	2.7926000E-01	3.3470000E-04	1.8934000E-03
6.9020000E+02	9.4686000E-04	2.7948000E-01	2.6463000E-04	1.4970000E-03
6.9030000E+02	7.1098000E-04	2.7970000E-01	1.9886000E-04	1.1250000E-03

6.9040000E+02	4.9731000E-04	2.7992000E-01	1.3920000E-04	7.8749000E-04
6.9050000E+02	3.1565000E-04	2.8013000E-01	8.8423000E-05	5.0021000E-04
6.9060000E+02	0.0000000E+00	2.8036000E-01	0.0000000E+00	0.0000000E+00
Channel 3				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.7300000E+02	0.0000000E+00	2.4477000E-01	0.0000000E+00	0.0000000E+00
6.7305000E+02	4.5520000E-03	2.4492000E-01	1.1149000E-03	4.8995000E-03
6.7310000E+02	4.4826000E-03	2.4508000E-01	1.0986000E-03	4.8279000E-03
6.7315000E+02	4.4199000E-03	2.4524000E-01	1.0839000E-03	4.7634000E-03
6.7320000E+02	4.3692000E-03	2.4539000E-01	1.0722000E-03	4.7118000E-03
6.7325000E+02	4.3353000E-03	2.4555000E-01	1.0645000E-03	4.6781000E-03
6.7330000E+02	4.3227000E-03	2.4570000E-01	1.0621000E-03	4.6675000E-03
6.7335000E+02	4.3353000E-03	2.4586000E-01	1.0659000E-03	4.6840000E-03
6.7340000E+02	4.3764000E-03	2.4601000E-01	1.0766000E-03	4.7314000E-03
6.7345000E+02	4.4483000E-03	2.4617000E-01	1.0950000E-03	4.8122000E-03
6.7350000E+02	4.5527000E-03	2.4632000E-01	1.1214000E-03	4.9282000E-03
6.7355000E+02	4.6901000E-03	2.4648000E-01	1.1560000E-03	5.0801000E-03
6.7360000E+02	4.8602000E-03	2.4663000E-01	1.1987000E-03	5.2677000E-03
6.7365000E+02	5.0617000E-03	2.4679000E-01	1.2492000E-03	5.4895000E-03
6.7370000E+02	5.2925000E-03	2.4694000E-01	1.3069000E-03	5.7434000E-03
6.7375000E+02	5.5494000E-03	2.4710000E-01	1.3712000E-03	6.0260000E-03
6.7380000E+02	5.8288000E-03	2.4725000E-01	1.4412000E-03	6.3333000E-03
6.7385000E+02	6.1263000E-03	2.4740000E-01	1.5157000E-03	6.6607000E-03
6.7390000E+02	6.4371000E-03	2.4756000E-01	1.5936000E-03	7.0030000E-03
6.7395000E+02	6.7561000E-03	2.4771000E-01	1.6736000E-03	7.3545000E-03
6.7400000E+02	7.0779000E-03	2.4787000E-01	1.7544000E-03	7.7097000E-03
6.7405000E+02	7.3975000E-03	2.4793000E-01	1.8341000E-03	8.0600000E-03
6.7410000E+02	7.7097000E-03	2.4800000E-01	1.9120000E-03	8.4025000E-03
6.7415000E+02	8.0101000E-03	2.4807000E-01	1.9870000E-03	8.7322000E-03
6.7420000E+02	8.2944000E-03	2.4814000E-01	2.0582000E-03	9.0447000E-03
6.7425000E+02	8.5595000E-03	2.4820000E-01	2.1245000E-03	9.3362000E-03
6.7430000E+02	8.8025000E-03	2.4827000E-01	2.1854000E-03	9.6039000E-03
6.7435000E+02	9.0219000E-03	2.4834000E-01	2.2405000E-03	9.8460000E-03
6.7440000E+02	9.2168000E-03	2.4840000E-01	2.2895000E-03	1.0061000E-02
6.7445000E+02	9.3875000E-03	2.4847000E-01	2.3325000E-03	1.0250000E-02
6.7450000E+02	9.5350000E-03	2.4854000E-01	2.3698000E-03	1.0414000E-02
6.7455000E+02	9.6615000E-03	2.4861000E-01	2.4019000E-03	1.0555000E-02
6.7460000E+02	9.7697000E-03	2.4867000E-01	2.4294000E-03	1.0676000E-02
6.7465000E+02	9.8633000E-03	2.4874000E-01	2.4534000E-03	1.0782000E-02
6.7470000E+02	9.9465000E-03	2.4881000E-01	2.4748000E-03	1.0875000E-02

6.7475000E+02	1.0024000E-02	2.4887000E-01	2.4947000E-03	1.0963000E-02
6.7480000E+02	1.0101000E-02	2.4894000E-01	2.5146000E-03	1.1050000E-02
6.7485000E+02	1.0183000E-02	2.4900000E-01	2.5355000E-03	1.1143000E-02
6.7490000E+02	1.0274000E-02	2.4907000E-01	2.5589000E-03	1.1245000E-02
6.7495000E+02	1.0379000E-02	2.4914000E-01	2.5859000E-03	1.1364000E-02
6.7500000E+02	1.0504000E-02	2.4920000E-01	2.6177000E-03	1.1504000E-02
6.7505000E+02	1.0652000E-02	2.4927000E-01	2.6551000E-03	1.1668000E-02
6.7510000E+02	1.0826000E-02	2.4933000E-01	2.6991000E-03	1.1862000E-02
6.7515000E+02	1.1028000E-02	2.4938000E-01	2.7502000E-03	1.2086000E-02
6.7520000E+02	1.1261000E-02	2.4942000E-01	2.8087000E-03	1.2343000E-02
6.7525000E+02	1.1525000E-02	2.4945000E-01	2.8749000E-03	1.2634000E-02
6.7530000E+02	1.1819000E-02	2.4949000E-01	2.9488000E-03	1.2959000E-02
6.7535000E+02	1.2144000E-02	2.4952000E-01	3.0301000E-03	1.3316000E-02
6.7540000E+02	1.2495000E-02	2.4955000E-01	3.1182000E-03	1.3703000E-02
6.7545000E+02	1.2871000E-02	2.4959000E-01	3.2126000E-03	1.4118000E-02
6.7550000E+02	1.3269000E-02	2.4962000E-01	3.3122000E-03	1.4555000E-02
6.7555000E+02	1.3683000E-02	2.4966000E-01	3.4160000E-03	1.5012000E-02
6.7560000E+02	1.4109000E-02	2.4969000E-01	3.5230000E-03	1.5482000E-02
6.7565000E+02	1.4544000E-02	2.4972000E-01	3.6319000E-03	1.5961000E-02
6.7570000E+02	1.4981000E-02	2.4976000E-01	3.7416000E-03	1.6442000E-02
6.7575000E+02	1.5416000E-02	2.4979000E-01	3.8508000E-03	1.6923000E-02
6.7580000E+02	1.5845000E-02	2.4982000E-01	3.9586000E-03	1.7396000E-02
6.7585000E+02	1.6265000E-02	2.4986000E-01	4.0639000E-03	1.7859000E-02
6.7590000E+02	1.6671000E-02	2.4989000E-01	4.1661000E-03	1.8308000E-02
6.7595000E+02	1.7063000E-02	2.4992000E-01	4.2644000E-03	1.8740000E-02
6.7600000E+02	1.7437000E-02	2.4996000E-01	4.3585000E-03	1.9154000E-02
6.7605000E+02	1.7794000E-02	2.5004000E-01	4.4493000E-03	1.9553000E-02
6.7610000E+02	1.8135000E-02	2.5012000E-01	4.5360000E-03	1.9934000E-02
6.7615000E+02	1.8461000E-02	2.5020000E-01	4.6190000E-03	2.0299000E-02
6.7620000E+02	1.8775000E-02	2.5029000E-01	4.6991000E-03	2.0650000E-02
6.7625000E+02	1.9080000E-02	2.5037000E-01	4.7770000E-03	2.0993000E-02
6.7630000E+02	1.9382000E-02	2.5045000E-01	4.8541000E-03	2.1332000E-02
6.7635000E+02	1.9684000E-02	2.5053000E-01	4.9315000E-03	2.1672000E-02
6.7640000E+02	1.9995000E-02	2.5061000E-01	5.0109000E-03	2.2021000E-02
6.7645000E+02	2.0319000E-02	2.5069000E-01	5.0937000E-03	2.2385000E-02
6.7650000E+02	2.0663000E-02	2.5078000E-01	5.1818000E-03	2.2772000E-02
6.7655000E+02	2.1034000E-02	2.5086000E-01	5.2766000E-03	2.3188000E-02
6.7660000E+02	2.1439000E-02	2.5094000E-01	5.3800000E-03	2.3643000E-02
6.7665000E+02	2.1884000E-02	2.5102000E-01	5.4934000E-03	2.4141000E-02
6.7670000E+02	2.2374000E-02	2.5110000E-01	5.6182000E-03	2.4690000E-02
6.7675000E+02	2.2915000E-02	2.5118000E-01	5.7558000E-03	2.5294000E-02
6.7680000E+02	2.3510000E-02	2.5126000E-01	5.9071000E-03	2.5959000E-02
6.7685000E+02	2.4162000E-02	2.5134000E-01	6.0729000E-03	2.6688000E-02

6.7690000E+02	2.4873000E-02	2.5142000E-01	6.2537000E-03	2.7482000E-02
6.7695000E+02	2.5645000E-02	2.5150000E-01	6.4498000E-03	2.8344000E-02
6.7700000E+02	2.6476000E-02	2.5158000E-01	6.6610000E-03	2.9272000E-02
6.7705000E+02	2.7366000E-02	2.5166000E-01	6.8869000E-03	3.0265000E-02
6.7710000E+02	2.8311000E-02	2.5173000E-01	7.1266000E-03	3.1318000E-02
6.7715000E+02	2.9308000E-02	2.5179000E-01	7.3794000E-03	3.2429000E-02
6.7720000E+02	3.0352000E-02	2.5185000E-01	7.6443000E-03	3.3593000E-02
6.7725000E+02	3.1440000E-02	2.5191000E-01	7.9200000E-03	3.4805000E-02
6.7730000E+02	3.2563000E-02	2.5197000E-01	8.2050000E-03	3.6057000E-02
6.7735000E+02	3.3717000E-02	2.5203000E-01	8.4978000E-03	3.7344000E-02
6.7740000E+02	3.4896000E-02	2.5209000E-01	8.7969000E-03	3.8658000E-02
6.7745000E+02	3.6092000E-02	2.5215000E-01	9.1007000E-03	3.9994000E-02
6.7750000E+02	3.7302000E-02	2.5221000E-01	9.4079000E-03	4.1344000E-02
6.7755000E+02	3.8518000E-02	2.5227000E-01	9.7170000E-03	4.2702000E-02
6.7760000E+02	3.9738000E-02	2.5233000E-01	1.0027000E-02	4.4064000E-02
6.7765000E+02	4.0956000E-02	2.5239000E-01	1.0337000E-02	4.5426000E-02
6.7770000E+02	4.2171000E-02	2.5245000E-01	1.0646000E-02	4.6784000E-02
6.7775000E+02	4.3381000E-02	2.5250000E-01	1.0954000E-02	4.8138000E-02
6.7780000E+02	4.4586000E-02	2.5256000E-01	1.1261000E-02	4.9486000E-02
6.7785000E+02	4.5788000E-02	2.5262000E-01	1.1567000E-02	5.0831000E-02
6.7790000E+02	4.6987000E-02	2.5268000E-01	1.1873000E-02	5.2175000E-02
6.7795000E+02	4.8189000E-02	2.5273000E-01	1.2179000E-02	5.3521000E-02
6.7800000E+02	4.9398000E-02	2.5279000E-01	1.2487000E-02	5.4876000E-02
6.7805000E+02	5.0536000E-02	2.5292000E-01	1.2782000E-02	5.6169000E-02
6.7810000E+02	5.1736000E-02	2.5305000E-01	1.3091000E-02	5.7531000E-02
6.7815000E+02	5.2959000E-02	2.5317000E-01	1.3408000E-02	5.8921000E-02
6.7820000E+02	5.4215000E-02	2.5330000E-01	1.3733000E-02	6.0349000E-02
6.7825000E+02	5.5514000E-02	2.5343000E-01	1.4069000E-02	6.1827000E-02
6.7830000E+02	5.6866000E-02	2.5356000E-01	1.4419000E-02	6.3364000E-02
6.7835000E+02	5.8281000E-02	2.5368000E-01	1.4785000E-02	6.4973000E-02
6.7840000E+02	5.9768000E-02	2.5381000E-01	1.5170000E-02	6.6665000E-02
6.7845000E+02	6.1337000E-02	2.5394000E-01	1.5576000E-02	6.8448000E-02
6.7850000E+02	6.2995000E-02	2.5406000E-01	1.6005000E-02	7.0333000E-02
6.7855000E+02	6.4749000E-02	2.5419000E-01	1.6459000E-02	7.2328000E-02
6.7860000E+02	6.6607000E-02	2.5432000E-01	1.6939000E-02	7.4441000E-02
6.7865000E+02	6.8573000E-02	2.5444000E-01	1.7448000E-02	7.6675000E-02
6.7870000E+02	7.0650000E-02	2.5457000E-01	1.7985000E-02	7.9038000E-02
6.7875000E+02	7.2842000E-02	2.5469000E-01	1.8552000E-02	8.1530000E-02
6.7880000E+02	7.5149000E-02	2.5482000E-01	1.9150000E-02	8.4154000E-02
6.7885000E+02	7.7572000E-02	2.5495000E-01	1.9777000E-02	8.6910000E-02
6.7890000E+02	8.0109000E-02	2.5507000E-01	2.0434000E-02	8.9797000E-02
6.7895000E+02	8.2759000E-02	2.5520000E-01	2.1120000E-02	9.2813000E-02
6.7900000E+02	8.5518000E-02	2.5533000E-01	2.1835000E-02	9.5955000E-02

6.7905000E+02	8.8383000E-02	2.5546000E-01	2.2578000E-02	9.9221000E-02
6.7910000E+02	9.1350000E-02	2.5559000E-01	2.3348000E-02	1.0261000E-01
6.7915000E+02	9.4415000E-02	2.5573000E-01	2.4144000E-02	1.0610000E-01
6.7920000E+02	9.7573000E-02	2.5586000E-01	2.4965000E-02	1.0971000E-01
6.7925000E+02	1.0082000E-01	2.5599000E-01	2.5810000E-02	1.1342000E-01
6.7930000E+02	1.0416000E-01	2.5612000E-01	2.6677000E-02	1.1723000E-01
6.7935000E+02	1.0758000E-01	2.5626000E-01	2.7567000E-02	1.2115000E-01
6.7940000E+02	1.1108000E-01	2.5639000E-01	2.8479000E-02	1.2515000E-01
6.7945000E+02	1.1466000E-01	2.5652000E-01	2.9412000E-02	1.2925000E-01
6.7950000E+02	1.1832000E-01	2.5666000E-01	3.0367000E-02	1.3345000E-01
6.7955000E+02	1.2206000E-01	2.5679000E-01	3.1344000E-02	1.3774000E-01
6.7960000E+02	1.2589000E-01	2.5692000E-01	3.2344000E-02	1.4214000E-01
6.7965000E+02	1.2980000E-01	2.5705000E-01	3.3366000E-02	1.4663000E-01
6.7970000E+02	1.3381000E-01	2.5719000E-01	3.4413000E-02	1.5123000E-01
6.7975000E+02	1.3790000E-01	2.5732000E-01	3.5485000E-02	1.5594000E-01
6.7980000E+02	1.4210000E-01	2.5745000E-01	3.6585000E-02	1.6078000E-01
6.7985000E+02	1.4641000E-01	2.5758000E-01	3.7713000E-02	1.6573000E-01
6.7990000E+02	1.5084000E-01	2.5772000E-01	3.8873000E-02	1.7083000E-01
6.7995000E+02	1.5538000E-01	2.5785000E-01	4.0065000E-02	1.7607000E-01
6.8000000E+02	1.6005000E-01	2.5798000E-01	4.1291000E-02	1.8145000E-01
6.8005000E+02	1.6486000E-01	2.5801000E-01	4.2536000E-02	1.8693000E-01
6.8010000E+02	1.6981000E-01	2.5804000E-01	4.3819000E-02	1.9256000E-01
6.8015000E+02	1.7491000E-01	2.5807000E-01	4.5140000E-02	1.9837000E-01
6.8020000E+02	1.8017000E-01	2.5810000E-01	4.6501000E-02	2.0435000E-01
6.8025000E+02	1.8558000E-01	2.5813000E-01	4.7902000E-02	2.1051000E-01
6.8030000E+02	1.9115000E-01	2.5816000E-01	4.9346000E-02	2.1686000E-01
6.8035000E+02	1.9688000E-01	2.5819000E-01	5.0832000E-02	2.2339000E-01
6.8040000E+02	2.0278000E-01	2.5822000E-01	5.2361000E-02	2.3010000E-01
6.8045000E+02	2.0884000E-01	2.5824000E-01	5.3932000E-02	2.3701000E-01
6.8050000E+02	2.1506000E-01	2.5827000E-01	5.5545000E-02	2.4410000E-01
6.8055000E+02	2.2144000E-01	2.5830000E-01	5.7200000E-02	2.5137000E-01
6.8060000E+02	2.2798000E-01	2.5833000E-01	5.8894000E-02	2.5881000E-01
6.8065000E+02	2.3467000E-01	2.5836000E-01	6.0628000E-02	2.6643000E-01
6.8070000E+02	2.4149000E-01	2.5839000E-01	6.2398000E-02	2.7421000E-01
6.8075000E+02	2.4846000E-01	2.5842000E-01	6.4205000E-02	2.8215000E-01
6.8080000E+02	2.5555000E-01	2.5844000E-01	6.6045000E-02	2.9024000E-01
6.8085000E+02	2.6276000E-01	2.5847000E-01	6.7916000E-02	2.9846000E-01
6.8090000E+02	2.7009000E-01	2.5850000E-01	6.9817000E-02	3.0682000E-01
6.8095000E+02	2.7751000E-01	2.5853000E-01	7.1746000E-02	3.1529000E-01
6.8100000E+02	2.8504000E-01	2.5856000E-01	7.3701000E-02	3.2388000E-01
6.8105000E+02	2.9265000E-01	2.5860000E-01	7.5679000E-02	3.3258000E-01
6.8110000E+02	3.0034000E-01	2.5864000E-01	7.7679000E-02	3.4136000E-01
6.8115000E+02	3.0810000E-01	2.5867000E-01	7.9697000E-02	3.5023000E-01

6.8120000E+02	3.1593000E-01	2.5871000E-01	8.1733000E-02	3.5918000E-01
6.8125000E+02	3.2381000E-01	2.5874000E-01	8.3784000E-02	3.6820000E-01
6.8130000E+02	3.3175000E-01	2.5878000E-01	8.5850000E-02	3.7727000E-01
6.8135000E+02	3.3974000E-01	2.5881000E-01	8.7928000E-02	3.8641000E-01
6.8140000E+02	3.4776000E-01	2.5885000E-01	9.0018000E-02	3.9559000E-01
6.8145000E+02	3.5583000E-01	2.5888000E-01	9.2119000E-02	4.0482000E-01
6.8150000E+02	3.6393000E-01	2.5892000E-01	9.4229000E-02	4.1410000E-01
6.8155000E+02	3.7207000E-01	2.5896000E-01	9.6349000E-02	4.2341000E-01
6.8160000E+02	3.8023000E-01	2.5899000E-01	9.8477000E-02	4.3276000E-01
6.8165000E+02	3.8842000E-01	2.5902000E-01	1.0061000E-01	4.4214000E-01
6.8170000E+02	3.9664000E-01	2.5906000E-01	1.0275000E-01	4.5155000E-01
6.8175000E+02	4.0487000E-01	2.5909000E-01	1.0490000E-01	4.6099000E-01
6.8180000E+02	4.1313000E-01	2.5913000E-01	1.0705000E-01	4.7045000E-01
6.8185000E+02	4.2139000E-01	2.5916000E-01	1.0921000E-01	4.7993000E-01
6.8190000E+02	4.2967000E-01	2.5920000E-01	1.1137000E-01	4.8942000E-01
6.8195000E+02	4.3794000E-01	2.5923000E-01	1.1353000E-01	4.9891000E-01
6.8200000E+02	4.4622000E-01	2.5927000E-01	1.1569000E-01	5.0841000E-01
6.8205000E+02	4.5449000E-01	2.5939000E-01	1.1789000E-01	5.1808000E-01
6.8210000E+02	4.6275000E-01	2.5951000E-01	1.2009000E-01	5.2774000E-01
6.8215000E+02	4.7098000E-01	2.5964000E-01	1.2228000E-01	5.3738000E-01
6.8220000E+02	4.7918000E-01	2.5976000E-01	1.2447000E-01	5.4700000E-01
6.8225000E+02	4.8733000E-01	2.5989000E-01	1.2665000E-01	5.5658000E-01
6.8230000E+02	4.9544000E-01	2.6001000E-01	1.2882000E-01	5.6611000E-01
6.8235000E+02	5.0348000E-01	2.6014000E-01	1.3097000E-01	5.7557000E-01
6.8240000E+02	5.1145000E-01	2.6026000E-01	1.3311000E-01	5.8496000E-01
6.8245000E+02	5.1934000E-01	2.6038000E-01	1.3523000E-01	5.9427000E-01
6.8250000E+02	5.2714000E-01	2.6051000E-01	1.3732000E-01	6.0347000E-01
6.8255000E+02	5.3482000E-01	2.6063000E-01	1.3939000E-01	6.1256000E-01
6.8260000E+02	5.4239000E-01	2.6075000E-01	1.4143000E-01	6.2152000E-01
6.8265000E+02	5.4982000E-01	2.6088000E-01	1.4344000E-01	6.3034000E-01
6.8270000E+02	5.5712000E-01	2.6100000E-01	1.4541000E-01	6.3901000E-01
6.8275000E+02	5.6427000E-01	2.6113000E-01	1.4734000E-01	6.4752000E-01
6.8280000E+02	5.7126000E-01	2.6125000E-01	1.4924000E-01	6.5585000E-01
6.8285000E+02	5.7808000E-01	2.6137000E-01	1.5109000E-01	6.6399000E-01
6.8290000E+02	5.8472000E-01	2.6150000E-01	1.5290000E-01	6.7195000E-01
6.8295000E+02	5.9119000E-01	2.6162000E-01	1.5467000E-01	6.7970000E-01
6.8300000E+02	5.9746000E-01	2.6175000E-01	1.5638000E-01	6.8724000E-01
6.8305000E+02	6.0354000E-01	2.6187000E-01	1.5805000E-01	6.9457000E-01
6.8310000E+02	6.0943000E-01	2.6200000E-01	1.5967000E-01	7.0168000E-01
6.8315000E+02	6.1511000E-01	2.6213000E-01	1.6124000E-01	7.0857000E-01
6.8320000E+02	6.2059000E-01	2.6225000E-01	1.6275000E-01	7.1523000E-01
6.8325000E+02	6.2587000E-01	2.6238000E-01	1.6422000E-01	7.2166000E-01
6.8330000E+02	6.3095000E-01	2.6251000E-01	1.6563000E-01	7.2787000E-01

6.8335000E+02	6.3582000E-01	2.6263000E-01	1.6699000E-01	7.3384000E-01
6.8340000E+02	6.4049000E-01	2.6276000E-01	1.6829000E-01	7.3958000E-01
6.8345000E+02	6.4496000E-01	2.6289000E-01	1.6955000E-01	7.4510000E-01
6.8350000E+02	6.4922000E-01	2.6301000E-01	1.7075000E-01	7.5039000E-01
6.8355000E+02	6.5329000E-01	2.6314000E-01	1.7191000E-01	7.5545000E-01
6.8360000E+02	6.5716000E-01	2.6326000E-01	1.7301000E-01	7.6029000E-01
6.8365000E+02	6.6084000E-01	2.6339000E-01	1.7406000E-01	7.6492000E-01
6.8370000E+02	6.6433000E-01	2.6352000E-01	1.7506000E-01	7.6932000E-01
6.8375000E+02	6.6763000E-01	2.6364000E-01	1.7602000E-01	7.7351000E-01
6.8380000E+02	6.7075000E-01	2.6377000E-01	1.7692000E-01	7.7750000E-01
6.8385000E+02	6.7368000E-01	2.6389000E-01	1.7778000E-01	7.8127000E-01
6.8390000E+02	6.7643000E-01	2.6402000E-01	1.7859000E-01	7.8483000E-01
6.8395000E+02	6.7900000E-01	2.6415000E-01	1.7936000E-01	7.8819000E-01
6.8400000E+02	6.8140000E-01	2.6427000E-01	1.8008000E-01	7.9136000E-01
6.8405000E+02	6.8363000E-01	2.6430000E-01	1.8069000E-01	7.9404000E-01
6.8410000E+02	6.8569000E-01	2.6434000E-01	1.8125000E-01	7.9652000E-01
6.8415000E+02	6.8758000E-01	2.6437000E-01	1.8177000E-01	7.9881000E-01
6.8420000E+02	6.8930000E-01	2.6440000E-01	1.8225000E-01	8.0091000E-01
6.8425000E+02	6.9087000E-01	2.6443000E-01	1.8269000E-01	8.0282000E-01
6.8430000E+02	6.9228000E-01	2.6446000E-01	1.8308000E-01	8.0456000E-01
6.8435000E+02	6.9353000E-01	2.6449000E-01	1.8343000E-01	8.0611000E-01
6.8440000E+02	6.9464000E-01	2.6452000E-01	1.8375000E-01	8.0749000E-01
6.8445000E+02	6.9560000E-01	2.6455000E-01	1.8402000E-01	8.0871000E-01
6.8450000E+02	6.9642000E-01	2.6459000E-01	1.8426000E-01	8.0975000E-01
6.8455000E+02	6.9711000E-01	2.6462000E-01	1.8447000E-01	8.1065000E-01
6.8460000E+02	6.9766000E-01	2.6465000E-01	1.8463000E-01	8.1139000E-01
6.8465000E+02	6.9809000E-01	2.6468000E-01	1.8477000E-01	8.1198000E-01
6.8470000E+02	6.9840000E-01	2.6471000E-01	1.8487000E-01	8.1244000E-01
6.8475000E+02	6.9860000E-01	2.6474000E-01	1.8495000E-01	8.1277000E-01
6.8480000E+02	6.9869000E-01	2.6477000E-01	1.8499000E-01	8.1297000E-01
6.8485000E+02	6.9868000E-01	2.6481000E-01	1.8501000E-01	8.1306000E-01
6.8490000E+02	6.9858000E-01	2.6484000E-01	1.8501000E-01	8.1304000E-01
6.8495000E+02	6.9839000E-01	2.6487000E-01	1.8498000E-01	8.1292000E-01
6.8500000E+02	6.9812000E-01	2.6490000E-01	1.8493000E-01	8.1270000E-01
6.8505000E+02	6.9778000E-01	2.6493000E-01	1.8486000E-01	8.1240000E-01
6.8510000E+02	6.9737000E-01	2.6496000E-01	1.8478000E-01	8.1201000E-01
6.8515000E+02	6.9691000E-01	2.6499000E-01	1.8467000E-01	8.1156000E-01
6.8520000E+02	6.9639000E-01	2.6502000E-01	1.8456000E-01	8.1105000E-01
6.8525000E+02	6.9582000E-01	2.6505000E-01	1.8443000E-01	8.1048000E-01
6.8530000E+02	6.9521000E-01	2.6508000E-01	1.8429000E-01	8.0986000E-01
6.8535000E+02	6.9457000E-01	2.6511000E-01	1.8414000E-01	8.0920000E-01
6.8540000E+02	6.9390000E-01	2.6514000E-01	1.8398000E-01	8.0851000E-01
6.8545000E+02	6.9320000E-01	2.6517000E-01	1.8381000E-01	8.0778000E-01

6.8550000E+02	6.9248000E-01	2.6520000E-01	1.8364000E-01	8.0704000E-01
6.8555000E+02	6.9175000E-01	2.6523000E-01	1.8347000E-01	8.0627000E-01
6.8560000E+02	6.9101000E-01	2.6526000E-01	1.8329000E-01	8.0550000E-01
6.8565000E+02	6.9026000E-01	2.6528000E-01	1.8312000E-01	8.0471000E-01
6.8570000E+02	6.8951000E-01	2.6531000E-01	1.8294000E-01	8.0392000E-01
6.8575000E+02	6.8875000E-01	2.6534000E-01	1.8276000E-01	8.0313000E-01
6.8580000E+02	6.8800000E-01	2.6537000E-01	1.8258000E-01	8.0234000E-01
6.8585000E+02	6.8726000E-01	2.6540000E-01	1.8240000E-01	8.0156000E-01
6.8590000E+02	6.8652000E-01	2.6543000E-01	1.8222000E-01	8.0079000E-01
6.8595000E+02	6.8580000E-01	2.6546000E-01	1.8205000E-01	8.0003000E-01
6.8600000E+02	6.8508000E-01	2.6549000E-01	1.8188000E-01	7.9929000E-01
6.8605000E+02	6.8439000E-01	2.6568000E-01	1.8182000E-01	7.9904000E-01
6.8610000E+02	6.8370000E-01	2.6586000E-01	1.8177000E-01	7.9881000E-01
6.8615000E+02	6.8304000E-01	2.6605000E-01	1.8173000E-01	7.9861000E-01
6.8620000E+02	6.8240000E-01	2.6624000E-01	1.8168000E-01	7.9842000E-01
6.8625000E+02	6.8179000E-01	2.6643000E-01	1.8165000E-01	7.9827000E-01
6.8630000E+02	6.8120000E-01	2.6662000E-01	1.8162000E-01	7.9814000E-01
6.8635000E+02	6.8063000E-01	2.6681000E-01	1.8160000E-01	7.9804000E-01
6.8640000E+02	6.8009000E-01	2.6700000E-01	1.8158000E-01	7.9797000E-01
6.8645000E+02	6.7958000E-01	2.6718000E-01	1.8157000E-01	7.9793000E-01
6.8650000E+02	6.7910000E-01	2.6737000E-01	1.8157000E-01	7.9793000E-01
6.8655000E+02	6.7865000E-01	2.6756000E-01	1.8158000E-01	7.9797000E-01
6.8660000E+02	6.7823000E-01	2.6775000E-01	1.8160000E-01	7.9804000E-01
6.8665000E+02	6.7784000E-01	2.6794000E-01	1.8162000E-01	7.9814000E-01
6.8670000E+02	6.7749000E-01	2.6813000E-01	1.8165000E-01	7.9829000E-01
6.8675000E+02	6.7717000E-01	2.6832000E-01	1.8170000E-01	7.9849000E-01
6.8680000E+02	6.7689000E-01	2.6852000E-01	1.8176000E-01	7.9874000E-01
6.8685000E+02	6.7664000E-01	2.6871000E-01	1.8182000E-01	7.9902000E-01
6.8690000E+02	6.7643000E-01	2.6891000E-01	1.8190000E-01	7.9935000E-01
6.8695000E+02	6.7625000E-01	2.6910000E-01	1.8198000E-01	7.9972000E-01
6.8700000E+02	6.7611000E-01	2.6930000E-01	1.8207000E-01	8.0014000E-01
6.8705000E+02	6.7601000E-01	2.6949000E-01	1.8218000E-01	8.0060000E-01
6.8710000E+02	6.7595000E-01	2.6969000E-01	1.8229000E-01	8.0111000E-01
6.8715000E+02	6.7593000E-01	2.6988000E-01	1.8242000E-01	8.0166000E-01
6.8720000E+02	6.7595000E-01	2.7008000E-01	1.8256000E-01	8.0227000E-01
6.8725000E+02	6.7602000E-01	2.7027000E-01	1.8271000E-01	8.0292000E-01
6.8730000E+02	6.7612000E-01	2.7047000E-01	1.8287000E-01	8.0362000E-01
6.8735000E+02	6.7627000E-01	2.7066000E-01	1.8304000E-01	8.0438000E-01
6.8740000E+02	6.7647000E-01	2.7086000E-01	1.8323000E-01	8.0520000E-01
6.8745000E+02	6.7672000E-01	2.7105000E-01	1.8342000E-01	8.0607000E-01
6.8750000E+02	6.7701000E-01	2.7125000E-01	1.8364000E-01	8.0701000E-01
6.8755000E+02	6.7736000E-01	2.7144000E-01	1.8386000E-01	8.0800000E-01
6.8760000E+02	6.7776000E-01	2.7164000E-01	1.8410000E-01	8.0906000E-01

6.8765000E+02	6.7822000E-01	2.7183000E-01	1.8436000E-01	8.1018000E-01
6.8770000E+02	6.7873000E-01	2.7203000E-01	1.8463000E-01	8.1137000E-01
6.8775000E+02	6.7929000E-01	2.7222000E-01	1.8492000E-01	8.1263000E-01
6.8780000E+02	6.7992000E-01	2.7242000E-01	1.8522000E-01	8.1396000E-01
6.8785000E+02	6.8060000E-01	2.7261000E-01	1.8554000E-01	8.1536000E-01
6.8790000E+02	6.8134000E-01	2.7281000E-01	1.8587000E-01	8.1684000E-01
6.8795000E+02	6.8214000E-01	2.7300000E-01	1.8623000E-01	8.1838000E-01
6.8800000E+02	6.8300000E-01	2.7320000E-01	1.8659000E-01	8.1999000E-01
6.8805000E+02	6.8391000E-01	2.7334000E-01	1.8694000E-01	8.2153000E-01
6.8810000E+02	6.8488000E-01	2.7349000E-01	1.8731000E-01	8.2313000E-01
6.8815000E+02	6.8591000E-01	2.7363000E-01	1.8768000E-01	8.2479000E-01
6.8820000E+02	6.8698000E-01	2.7377000E-01	1.8808000E-01	8.2652000E-01
6.8825000E+02	6.8810000E-01	2.7392000E-01	1.8849000E-01	8.2831000E-01
6.8830000E+02	6.8927000E-01	2.7406000E-01	1.8891000E-01	8.3016000E-01
6.8835000E+02	6.9048000E-01	2.7421000E-01	1.8934000E-01	8.3205000E-01
6.8840000E+02	6.9173000E-01	2.7435000E-01	1.8978000E-01	8.3400000E-01
6.8845000E+02	6.9302000E-01	2.7450000E-01	1.9023000E-01	8.3599000E-01
6.8850000E+02	6.9433000E-01	2.7464000E-01	1.9069000E-01	8.3801000E-01
6.8855000E+02	6.9567000E-01	2.7479000E-01	1.9116000E-01	8.4007000E-01
6.8860000E+02	6.9703000E-01	2.7493000E-01	1.9164000E-01	8.4216000E-01
6.8865000E+02	6.9841000E-01	2.7508000E-01	1.9212000E-01	8.4427000E-01
6.8870000E+02	6.9980000E-01	2.7523000E-01	1.9260000E-01	8.4641000E-01
6.8875000E+02	7.0121000E-01	2.7537000E-01	1.9309000E-01	8.4856000E-01
6.8880000E+02	7.0262000E-01	2.7552000E-01	1.9359000E-01	8.5072000E-01
6.8885000E+02	7.0404000E-01	2.7567000E-01	1.9408000E-01	8.5290000E-01
6.8890000E+02	7.0546000E-01	2.7581000E-01	1.9458000E-01	8.5508000E-01
6.8895000E+02	7.0688000E-01	2.7596000E-01	1.9507000E-01	8.5726000E-01
6.8900000E+02	7.0831000E-01	2.7611000E-01	1.9557000E-01	8.5944000E-01
6.8905000E+02	7.0973000E-01	2.7626000E-01	1.9607000E-01	8.6163000E-01
6.8910000E+02	7.1116000E-01	2.7640000E-01	1.9657000E-01	8.6383000E-01
6.8915000E+02	7.1259000E-01	2.7655000E-01	1.9707000E-01	8.6602000E-01
6.8920000E+02	7.1403000E-01	2.7670000E-01	1.9757000E-01	8.6823000E-01
6.8925000E+02	7.1547000E-01	2.7684000E-01	1.9807000E-01	8.7044000E-01
6.8930000E+02	7.1692000E-01	2.7699000E-01	1.9858000E-01	8.7267000E-01
6.8935000E+02	7.1838000E-01	2.7714000E-01	1.9909000E-01	8.7491000E-01
6.8940000E+02	7.1985000E-01	2.7728000E-01	1.9960000E-01	8.7717000E-01
6.8945000E+02	7.2134000E-01	2.7743000E-01	2.0012000E-01	8.7945000E-01
6.8950000E+02	7.2285000E-01	2.7758000E-01	2.0065000E-01	8.8176000E-01
6.8955000E+02	7.2439000E-01	2.7772000E-01	2.0118000E-01	8.8410000E-01
6.8960000E+02	7.2595000E-01	2.7787000E-01	2.0172000E-01	8.8647000E-01
6.8965000E+02	7.2753000E-01	2.7802000E-01	2.0227000E-01	8.8887000E-01
6.8970000E+02	7.2915000E-01	2.7816000E-01	2.0282000E-01	8.9132000E-01
6.8975000E+02	7.3080000E-01	2.7831000E-01	2.0339000E-01	8.9380000E-01

6.8980000E+02	7.3247000E-01	2.7846000E-01	2.0396000E-01	8.9632000E-01
6.8985000E+02	7.3418000E-01	2.7860000E-01	2.0455000E-01	8.9889000E-01
6.8990000E+02	7.3593000E-01	2.7875000E-01	2.0514000E-01	9.0149000E-01
6.8995000E+02	7.3769000E-01	2.7890000E-01	2.0574000E-01	9.0414000E-01
6.9000000E+02	7.3949000E-01	2.7904000E-01	2.0635000E-01	9.0681000E-01
6.9005000E+02	7.4131000E-01	2.7915000E-01	2.0694000E-01	9.0940000E-01
6.9010000E+02	7.4316000E-01	2.7926000E-01	2.0753000E-01	9.1202000E-01
6.9015000E+02	7.4502000E-01	2.7937000E-01	2.0814000E-01	9.1466000E-01
6.9020000E+02	7.4689000E-01	2.7948000E-01	2.0874000E-01	9.1732000E-01
6.9025000E+02	7.4878000E-01	2.7959000E-01	2.0935000E-01	9.2000000E-01
6.9030000E+02	7.5066000E-01	2.7970000E-01	2.0996000E-01	9.2268000E-01
6.9035000E+02	7.5255000E-01	2.7981000E-01	2.1057000E-01	9.2536000E-01
6.9040000E+02	7.5443000E-01	2.7992000E-01	2.1118000E-01	9.2803000E-01
6.9045000E+02	7.5630000E-01	2.8003000E-01	2.1178000E-01	9.3069000E-01
6.9050000E+02	7.5815000E-01	2.8013000E-01	2.1238000E-01	9.3334000E-01
6.9055000E+02	7.5999000E-01	2.8024000E-01	2.1298000E-01	9.3596000E-01
6.9060000E+02	7.6180000E-01	2.8036000E-01	2.1358000E-01	9.3858000E-01
6.9065000E+02	7.6358000E-01	2.8048000E-01	2.1417000E-01	9.4117000E-01
6.9070000E+02	7.6533000E-01	2.8060000E-01	2.1475000E-01	9.4373000E-01
6.9075000E+02	7.6705000E-01	2.8071000E-01	2.1532000E-01	9.4625000E-01
6.9080000E+02	7.6873000E-01	2.8083000E-01	2.1589000E-01	9.4872000E-01
6.9085000E+02	7.7038000E-01	2.8095000E-01	2.1644000E-01	9.5116000E-01
6.9090000E+02	7.7199000E-01	2.8107000E-01	2.1698000E-01	9.5355000E-01
6.9095000E+02	7.7356000E-01	2.8119000E-01	2.1752000E-01	9.5589000E-01
6.9100000E+02	7.7510000E-01	2.8130000E-01	2.1804000E-01	9.5819000E-01
6.9105000E+02	7.7660000E-01	2.8142000E-01	2.1855000E-01	9.6043000E-01
6.9110000E+02	7.7806000E-01	2.8154000E-01	2.1905000E-01	9.6264000E-01
6.9115000E+02	7.7948000E-01	2.8165000E-01	2.1954000E-01	9.6480000E-01
6.9120000E+02	7.8087000E-01	2.8177000E-01	2.2003000E-01	9.6692000E-01
6.9125000E+02	7.8223000E-01	2.8189000E-01	2.2050000E-01	9.6900000E-01
6.9130000E+02	7.8355000E-01	2.8200000E-01	2.2096000E-01	9.7103000E-01
6.9135000E+02	7.8483000E-01	2.8212000E-01	2.2142000E-01	9.7303000E-01
6.9140000E+02	7.8609000E-01	2.8224000E-01	2.2186000E-01	9.7498000E-01
6.9145000E+02	7.8730000E-01	2.8235000E-01	2.2230000E-01	9.7690000E-01
6.9150000E+02	7.8849000E-01	2.8247000E-01	2.2272000E-01	9.7877000E-01
6.9155000E+02	7.8963000E-01	2.8258000E-01	2.2314000E-01	9.8060000E-01
6.9160000E+02	7.9074000E-01	2.8270000E-01	2.2354000E-01	9.8237000E-01
6.9165000E+02	7.9180000E-01	2.8282000E-01	2.2394000E-01	9.8410000E-01
6.9170000E+02	7.9282000E-01	2.8293000E-01	2.2432000E-01	9.8577000E-01
6.9175000E+02	7.9379000E-01	2.8305000E-01	2.2468000E-01	9.8738000E-01
6.9180000E+02	7.9470000E-01	2.8317000E-01	2.2503000E-01	9.8892000E-01
6.9185000E+02	7.9555000E-01	2.8328000E-01	2.2537000E-01	9.9039000E-01
6.9190000E+02	7.9634000E-01	2.8340000E-01	2.2568000E-01	9.9177000E-01

6.9195000E+02	7.9705000E-01	2.8352000E-01	2.2598000E-01	9.9307000E-01
6.9200000E+02	7.9769000E-01	2.8363000E-01	2.2625000E-01	9.9427000E-01
6.9205000E+02	7.9824000E-01	2.8377000E-01	2.2651000E-01	9.9543000E-01
6.9210000E+02	7.9870000E-01	2.8390000E-01	2.2675000E-01	9.9647000E-01
6.9215000E+02	7.9906000E-01	2.8404000E-01	2.2696000E-01	9.9740000E-01
6.9220000E+02	7.9932000E-01	2.8417000E-01	2.2714000E-01	9.9819000E-01
6.9225000E+02	7.9947000E-01	2.8430000E-01	2.2729000E-01	9.9885000E-01
6.9230000E+02	7.9950000E-01	2.8444000E-01	2.2741000E-01	9.9937000E-01
6.9235000E+02	7.9942000E-01	2.8457000E-01	2.2749000E-01	9.9973000E-01
6.9240000E+02	7.9921000E-01	2.8471000E-01	2.2754000E-01	9.9995000E-01
6.9245000E+02	7.9888000E-01	2.8484000E-01	2.2755000E-01	1.0000000E+00
6.9250000E+02	7.9842000E-01	2.8498000E-01	2.2753000E-01	9.9990000E-01
6.9255000E+02	7.9782000E-01	2.8513000E-01	2.2748000E-01	9.9968000E-01
6.9260000E+02	7.9709000E-01	2.8528000E-01	2.2739000E-01	9.9928000E-01
6.9265000E+02	7.9623000E-01	2.8543000E-01	2.2726000E-01	9.9872000E-01
6.9270000E+02	7.9523000E-01	2.8557000E-01	2.2710000E-01	9.9799000E-01
6.9275000E+02	7.9409000E-01	2.8572000E-01	2.2689000E-01	9.9708000E-01
6.9280000E+02	7.9282000E-01	2.8587000E-01	2.2664000E-01	9.9601000E-01
6.9285000E+02	7.9142000E-01	2.8602000E-01	2.2636000E-01	9.9476000E-01
6.9290000E+02	7.8988000E-01	2.8617000E-01	2.2604000E-01	9.9335000E-01
6.9295000E+02	7.8821000E-01	2.8632000E-01	2.2568000E-01	9.9176000E-01
6.9300000E+02	7.8641000E-01	2.8647000E-01	2.2528000E-01	9.9001000E-01
6.9305000E+02	7.8448000E-01	2.8661000E-01	2.2484000E-01	9.8809000E-01
6.9310000E+02	7.8242000E-01	2.8676000E-01	2.2437000E-01	9.8601000E-01
6.9315000E+02	7.8024000E-01	2.8691000E-01	2.2386000E-01	9.8376000E-01
6.9320000E+02	7.7792000E-01	2.8706000E-01	2.2331000E-01	9.8135000E-01
6.9325000E+02	7.7548000E-01	2.8721000E-01	2.2272000E-01	9.7877000E-01
6.9330000E+02	7.7291000E-01	2.8735000E-01	2.2210000E-01	9.7603000E-01
6.9335000E+02	7.7021000E-01	2.8750000E-01	2.2144000E-01	9.7312000E-01
6.9340000E+02	7.6738000E-01	2.8765000E-01	2.2074000E-01	9.7005000E-01
6.9345000E+02	7.6443000E-01	2.8780000E-01	2.2000000E-01	9.6681000E-01
6.9350000E+02	7.6134000E-01	2.8795000E-01	2.1923000E-01	9.6340000E-01
6.9355000E+02	7.5811000E-01	2.8810000E-01	2.1841000E-01	9.5981000E-01
6.9360000E+02	7.5476000E-01	2.8824000E-01	2.1755000E-01	9.5605000E-01
6.9365000E+02	7.5126000E-01	2.8839000E-01	2.1666000E-01	9.5212000E-01
6.9370000E+02	7.4763000E-01	2.8854000E-01	2.1572000E-01	9.4800000E-01
6.9375000E+02	7.4385000E-01	2.8869000E-01	2.1474000E-01	9.4370000E-01
6.9380000E+02	7.3994000E-01	2.8884000E-01	2.1372000E-01	9.3921000E-01
6.9385000E+02	7.3588000E-01	2.8898000E-01	2.1266000E-01	9.3454000E-01
6.9390000E+02	7.3167000E-01	2.8913000E-01	2.1155000E-01	9.2967000E-01
6.9395000E+02	7.2733000E-01	2.8928000E-01	2.1040000E-01	9.2462000E-01
6.9400000E+02	7.2283000E-01	2.8943000E-01	2.0921000E-01	9.1938000E-01
6.9405000E+02	7.1819000E-01	2.8955000E-01	2.0796000E-01	9.1387000E-01

6.9410000E+02	7.1341000E-01	2.8968000E-01	2.0666000E-01	9.0818000E-01
6.9415000E+02	7.0849000E-01	2.8981000E-01	2.0532000E-01	9.0231000E-01
6.9420000E+02	7.0343000E-01	2.8993000E-01	2.0395000E-01	8.9625000E-01
6.9425000E+02	6.9823000E-01	2.9006000E-01	2.0253000E-01	8.9002000E-01
6.9430000E+02	6.9291000E-01	2.9018000E-01	2.0107000E-01	8.8361000E-01
6.9435000E+02	6.8745000E-01	2.9031000E-01	1.9957000E-01	8.7703000E-01
6.9440000E+02	6.8187000E-01	2.9043000E-01	1.9804000E-01	8.7029000E-01
6.9445000E+02	6.7618000E-01	2.9056000E-01	1.9647000E-01	8.6340000E-01
6.9450000E+02	6.7037000E-01	2.9069000E-01	1.9487000E-01	8.5638000E-01
6.9455000E+02	6.6445000E-01	2.9083000E-01	1.9324000E-01	8.4921000E-01
6.9460000E+02	6.5844000E-01	2.9096000E-01	1.9158000E-01	8.4191000E-01
6.9465000E+02	6.5233000E-01	2.9109000E-01	1.8989000E-01	8.3447000E-01
6.9470000E+02	6.4613000E-01	2.9122000E-01	1.8817000E-01	8.2692000E-01
6.9475000E+02	6.3985000E-01	2.9136000E-01	1.8642000E-01	8.1926000E-01
6.9480000E+02	6.3350000E-01	2.9149000E-01	1.8466000E-01	8.1148000E-01
6.9485000E+02	6.2707000E-01	2.9162000E-01	1.8286000E-01	8.0361000E-01
6.9490000E+02	6.2057000E-01	2.9175000E-01	1.8105000E-01	7.9565000E-01
6.9495000E+02	6.1401000E-01	2.9188000E-01	1.7922000E-01	7.8759000E-01
6.9500000E+02	6.0739000E-01	2.9202000E-01	1.7737000E-01	7.7945000E-01
6.9505000E+02	6.0071000E-01	2.9215000E-01	1.7550000E-01	7.7124000E-01
6.9510000E+02	5.9399000E-01	2.9228000E-01	1.7361000E-01	7.6294000E-01
6.9515000E+02	5.8721000E-01	2.9241000E-01	1.7171000E-01	7.5458000E-01
6.9520000E+02	5.8039000E-01	2.9255000E-01	1.6979000E-01	7.4615000E-01
6.9525000E+02	5.7352000E-01	2.9268000E-01	1.6786000E-01	7.3766000E-01
6.9530000E+02	5.6661000E-01	2.9281000E-01	1.6591000E-01	7.2910000E-01
6.9535000E+02	5.5966000E-01	2.9294000E-01	1.6395000E-01	7.2048000E-01
6.9540000E+02	5.5267000E-01	2.9308000E-01	1.6197000E-01	7.1181000E-01
6.9545000E+02	5.4564000E-01	2.9321000E-01	1.5999000E-01	7.0308000E-01
6.9550000E+02	5.3858000E-01	2.9334000E-01	1.5799000E-01	6.9429000E-01
6.9555000E+02	5.3149000E-01	2.9347000E-01	1.5598000E-01	6.8546000E-01
6.9560000E+02	5.2437000E-01	2.9361000E-01	1.5396000E-01	6.7658000E-01
6.9565000E+02	5.1721000E-01	2.9374000E-01	1.5193000E-01	6.6765000E-01
6.9570000E+02	5.1004000E-01	2.9387000E-01	1.4989000E-01	6.5868000E-01
6.9575000E+02	5.0284000E-01	2.9401000E-01	1.4784000E-01	6.4968000E-01
6.9580000E+02	4.9562000E-01	2.9414000E-01	1.4578000E-01	6.4065000E-01
6.9585000E+02	4.8840000E-01	2.9427000E-01	1.4372000E-01	6.3159000E-01
6.9590000E+02	4.8116000E-01	2.9440000E-01	1.4166000E-01	6.2251000E-01
6.9595000E+02	4.7392000E-01	2.9454000E-01	1.3959000E-01	6.1343000E-01
6.9600000E+02	4.6669000E-01	2.9467000E-01	1.3752000E-01	6.0433000E-01
6.9605000E+02	4.5946000E-01	2.9472000E-01	1.3541000E-01	5.9508000E-01
6.9610000E+02	4.5225000E-01	2.9477000E-01	1.3331000E-01	5.8584000E-01
6.9615000E+02	4.4506000E-01	2.9482000E-01	1.3121000E-01	5.7663000E-01
6.9620000E+02	4.3790000E-01	2.9487000E-01	1.2912000E-01	5.6744000E-01

6.9625000E+02	4.3077000E-01	2.9492000E-01	1.2704000E-01	5.5830000E-01
6.9630000E+02	4.2369000E-01	2.9497000E-01	1.2498000E-01	5.4921000E-01
6.9635000E+02	4.1665000E-01	2.9502000E-01	1.2292000E-01	5.4018000E-01
6.9640000E+02	4.0966000E-01	2.9508000E-01	1.2088000E-01	5.3123000E-01
6.9645000E+02	4.0273000E-01	2.9514000E-01	1.1886000E-01	5.2234000E-01
6.9650000E+02	3.9586000E-01	2.9520000E-01	1.1686000E-01	5.1353000E-01
6.9655000E+02	3.8906000E-01	2.9525000E-01	1.1487000E-01	5.0481000E-01
6.9660000E+02	3.8234000E-01	2.9531000E-01	1.1291000E-01	4.9618000E-01
6.9665000E+02	3.7568000E-01	2.9537000E-01	1.1096000E-01	4.8763000E-01
6.9670000E+02	3.6910000E-01	2.9542000E-01	1.0904000E-01	4.7919000E-01
6.9675000E+02	3.6260000E-01	2.9548000E-01	1.0714000E-01	4.7084000E-01
6.9680000E+02	3.5618000E-01	2.9554000E-01	1.0526000E-01	4.6259000E-01
6.9685000E+02	3.4983000E-01	2.9559000E-01	1.0341000E-01	4.5444000E-01
6.9690000E+02	3.4357000E-01	2.9565000E-01	1.0158000E-01	4.4638000E-01
6.9695000E+02	3.3738000E-01	2.9571000E-01	9.9766000E-02	4.3843000E-01
6.9700000E+02	3.3127000E-01	2.9577000E-01	9.7978000E-02	4.3057000E-01
6.9705000E+02	3.2523000E-01	2.9582000E-01	9.6211000E-02	4.2281000E-01
6.9710000E+02	3.1927000E-01	2.9588000E-01	9.4466000E-02	4.1514000E-01
6.9715000E+02	3.1338000E-01	2.9594000E-01	9.2740000E-02	4.0755000E-01
6.9720000E+02	3.0755000E-01	2.9600000E-01	9.1034000E-02	4.0006000E-01
6.9725000E+02	3.0179000E-01	2.9605000E-01	8.9347000E-02	3.9264000E-01
6.9730000E+02	2.9610000E-01	2.9611000E-01	8.7679000E-02	3.8531000E-01
6.9735000E+02	2.9047000E-01	2.9617000E-01	8.6028000E-02	3.7806000E-01
6.9740000E+02	2.8490000E-01	2.9623000E-01	8.4395000E-02	3.7088000E-01
6.9745000E+02	2.7939000E-01	2.9628000E-01	8.2780000E-02	3.6378000E-01
6.9750000E+02	2.7394000E-01	2.9634000E-01	8.1181000E-02	3.5675000E-01
6.9755000E+02	2.6855000E-01	2.9640000E-01	7.9599000E-02	3.4980000E-01
6.9760000E+02	2.6322000E-01	2.9646000E-01	7.8035000E-02	3.4293000E-01
6.9765000E+02	2.5796000E-01	2.9652000E-01	7.6488000E-02	3.3613000E-01
6.9770000E+02	2.5275000E-01	2.9657000E-01	7.4959000E-02	3.2941000E-01
6.9775000E+02	2.4761000E-01	2.9663000E-01	7.3449000E-02	3.2277000E-01
6.9780000E+02	2.4254000E-01	2.9669000E-01	7.1958000E-02	3.1622000E-01
6.9785000E+02	2.3753000E-01	2.9675000E-01	7.0487000E-02	3.0976000E-01
6.9790000E+02	2.3260000E-01	2.9680000E-01	6.9038000E-02	3.0339000E-01
6.9795000E+02	2.2775000E-01	2.9686000E-01	6.7611000E-02	2.9712000E-01
6.9800000E+02	2.2298000E-01	2.9692000E-01	6.6207000E-02	2.9095000E-01
6.9805000E+02	2.1829000E-01	2.9704000E-01	6.4842000E-02	2.8495000E-01
6.9810000E+02	2.1369000E-01	2.9717000E-01	6.3502000E-02	2.7906000E-01
6.9815000E+02	2.0918000E-01	2.9729000E-01	6.2188000E-02	2.7329000E-01
6.9820000E+02	2.0477000E-01	2.9742000E-01	6.0901000E-02	2.6763000E-01
6.9825000E+02	2.0045000E-01	2.9754000E-01	5.9641000E-02	2.6210000E-01
6.9830000E+02	1.9623000E-01	2.9767000E-01	5.8410000E-02	2.5669000E-01
6.9835000E+02	1.9211000E-01	2.9780000E-01	5.7208000E-02	2.5141000E-01

6.9840000E+02	1.8809000E-01	2.9792000E-01	5.6036000E-02	2.4625000E-01
6.9845000E+02	1.8417000E-01	2.9805000E-01	5.4892000E-02	2.4123000E-01
6.9850000E+02	1.8035000E-01	2.9818000E-01	5.3778000E-02	2.3633000E-01
6.9855000E+02	1.7663000E-01	2.9831000E-01	5.2692000E-02	2.3156000E-01
6.9860000E+02	1.7302000E-01	2.9844000E-01	5.1635000E-02	2.2691000E-01
6.9865000E+02	1.6949000E-01	2.9857000E-01	5.0606000E-02	2.2239000E-01
6.9870000E+02	1.6606000E-01	2.9870000E-01	4.9603000E-02	2.1798000E-01
6.9875000E+02	1.6272000E-01	2.9883000E-01	4.8625000E-02	2.1369000E-01
6.9880000E+02	1.5946000E-01	2.9896000E-01	4.7672000E-02	2.0950000E-01
6.9885000E+02	1.5628000E-01	2.9909000E-01	4.6743000E-02	2.0541000E-01
6.9890000E+02	1.5318000E-01	2.9922000E-01	4.5834000E-02	2.0142000E-01
6.9895000E+02	1.5015000E-01	2.9935000E-01	4.4946000E-02	1.9752000E-01
6.9900000E+02	1.4718000E-01	2.9948000E-01	4.4077000E-02	1.9370000E-01
6.9905000E+02	1.4427000E-01	2.9961000E-01	4.3225000E-02	1.8995000E-01
6.9910000E+02	1.4141000E-01	2.9974000E-01	4.2388000E-02	1.8628000E-01
6.9915000E+02	1.3861000E-01	2.9987000E-01	4.1565000E-02	1.8266000E-01
6.9920000E+02	1.3585000E-01	3.0000000E-01	4.0755000E-02	1.7910000E-01
6.9925000E+02	1.3313000E-01	3.0013000E-01	3.9956000E-02	1.7559000E-01
6.9930000E+02	1.3045000E-01	3.0026000E-01	3.9168000E-02	1.7213000E-01
6.9935000E+02	1.2780000E-01	3.0039000E-01	3.8390000E-02	1.6871000E-01
6.9940000E+02	1.2518000E-01	3.0052000E-01	3.7620000E-02	1.6532000E-01
6.9945000E+02	1.2259000E-01	3.0066000E-01	3.6859000E-02	1.6198000E-01
6.9950000E+02	1.2004000E-01	3.0079000E-01	3.6105000E-02	1.5867000E-01
6.9955000E+02	1.1751000E-01	3.0092000E-01	3.5360000E-02	1.5539000E-01
6.9960000E+02	1.1501000E-01	3.0105000E-01	3.4623000E-02	1.5215000E-01
6.9965000E+02	1.1254000E-01	3.0118000E-01	3.3895000E-02	1.4895000E-01
6.9970000E+02	1.1010000E-01	3.0131000E-01	3.3175000E-02	1.4579000E-01
6.9975000E+02	1.0770000E-01	3.0144000E-01	3.2464000E-02	1.4267000E-01
6.9980000E+02	1.0533000E-01	3.0157000E-01	3.1764000E-02	1.3959000E-01
6.9985000E+02	1.0300000E-01	3.0170000E-01	3.1076000E-02	1.3656000E-01
6.9990000E+02	1.0071000E-01	3.0183000E-01	3.0399000E-02	1.3359000E-01
6.9995000E+02	9.8474000E-02	3.0196000E-01	2.9735000E-02	1.3067000E-01
7.0000000E+02	9.6281000E-02	3.0209000E-01	2.9086000E-02	1.2782000E-01
7.0005000E+02	9.4140000E-02	3.0225000E-01	2.8454000E-02	1.2504000E-01
7.0010000E+02	9.2054000E-02	3.0241000E-01	2.7838000E-02	1.2234000E-01
7.0015000E+02	9.0025000E-02	3.0257000E-01	2.7238000E-02	1.1970000E-01
7.0020000E+02	8.8056000E-02	3.0272000E-01	2.6657000E-02	1.1714000E-01
7.0025000E+02	8.6147000E-02	3.0289000E-01	2.6093000E-02	1.1467000E-01
7.0030000E+02	8.4302000E-02	3.0305000E-01	2.5548000E-02	1.1227000E-01
7.0035000E+02	8.2520000E-02	3.0321000E-01	2.5021000E-02	1.0996000E-01
7.0040000E+02	8.0801000E-02	3.0337000E-01	2.4513000E-02	1.0772000E-01
7.0045000E+02	7.9144000E-02	3.0353000E-01	2.4023000E-02	1.0557000E-01
7.0050000E+02	7.7549000E-02	3.0370000E-01	2.3551000E-02	1.0350000E-01

7.0055000E+02	7.6013000E-02	3.0386000E-01	2.3097000E-02	1.0150000E-01
7.0060000E+02	7.4535000E-02	3.0402000E-01	2.2660000E-02	9.9581000E-02
7.0065000E+02	7.3110000E-02	3.0418000E-01	2.2239000E-02	9.7730000E-02
7.0070000E+02	7.1735000E-02	3.0434000E-01	2.1832000E-02	9.5943000E-02
7.0075000E+02	7.0407000E-02	3.0451000E-01	2.1439000E-02	9.4216000E-02
7.0080000E+02	6.9120000E-02	3.0467000E-01	2.1059000E-02	9.2544000E-02
7.0085000E+02	6.7871000E-02	3.0483000E-01	2.0689000E-02	9.0919000E-02
7.0090000E+02	6.6654000E-02	3.0499000E-01	2.0329000E-02	8.9336000E-02
7.0095000E+02	6.5464000E-02	3.0515000E-01	1.9977000E-02	8.7788000E-02
7.0100000E+02	6.4298000E-02	3.0531000E-01	1.9631000E-02	8.6270000E-02
7.0105000E+02	6.3150000E-02	3.0547000E-01	1.9291000E-02	8.4774000E-02
7.0110000E+02	6.2016000E-02	3.0563000E-01	1.8954000E-02	8.3295000E-02
7.0115000E+02	6.0892000E-02	3.0579000E-01	1.8620000E-02	8.1829000E-02
7.0120000E+02	5.9776000E-02	3.0595000E-01	1.8288000E-02	8.0370000E-02
7.0125000E+02	5.8662000E-02	3.0611000E-01	1.7957000E-02	7.8914000E-02
7.0130000E+02	5.7551000E-02	3.0627000E-01	1.7626000E-02	7.7459000E-02
7.0135000E+02	5.6438000E-02	3.0643000E-01	1.7295000E-02	7.6002000E-02
7.0140000E+02	5.5325000E-02	3.0659000E-01	1.6962000E-02	7.4542000E-02
7.0145000E+02	5.4210000E-02	3.0675000E-01	1.6629000E-02	7.3077000E-02
7.0150000E+02	5.3094000E-02	3.0691000E-01	1.6295000E-02	7.1609000E-02
7.0155000E+02	5.1976000E-02	3.0707000E-01	1.5960000E-02	7.0139000E-02
7.0160000E+02	5.0860000E-02	3.0723000E-01	1.5626000E-02	6.8668000E-02
7.0165000E+02	4.9746000E-02	3.0739000E-01	1.5291000E-02	6.7199000E-02
7.0170000E+02	4.8638000E-02	3.0755000E-01	1.4959000E-02	6.5736000E-02
7.0175000E+02	4.7538000E-02	3.0771000E-01	1.4628000E-02	6.4283000E-02
7.0180000E+02	4.6450000E-02	3.0786000E-01	1.4300000E-02	6.2843000E-02
7.0185000E+02	4.5376000E-02	3.0802000E-01	1.3977000E-02	6.1422000E-02
7.0190000E+02	4.4320000E-02	3.0818000E-01	1.3659000E-02	6.0024000E-02
7.0195000E+02	4.3285000E-02	3.0834000E-01	1.3347000E-02	5.8653000E-02
7.0200000E+02	4.2276000E-02	3.0850000E-01	1.3042000E-02	5.7314000E-02
7.0205000E+02	4.1294000E-02	3.0858000E-01	1.2743000E-02	5.5998000E-02
7.0210000E+02	4.0343000E-02	3.0867000E-01	1.2453000E-02	5.4723000E-02
7.0215000E+02	3.9425000E-02	3.0875000E-01	1.2173000E-02	5.3493000E-02
7.0220000E+02	3.8542000E-02	3.0884000E-01	1.1903000E-02	5.2309000E-02
7.0225000E+02	3.7696000E-02	3.0892000E-01	1.1645000E-02	5.1175000E-02
7.0230000E+02	3.6887000E-02	3.0900000E-01	1.1398000E-02	5.0090000E-02
7.0235000E+02	3.6116000E-02	3.0909000E-01	1.1163000E-02	4.9056000E-02
7.0240000E+02	3.5382000E-02	3.0917000E-01	1.0939000E-02	4.8073000E-02
7.0245000E+02	3.4685000E-02	3.0926000E-01	1.0726000E-02	4.7138000E-02
7.0250000E+02	3.4022000E-02	3.0934000E-01	1.0525000E-02	4.6251000E-02
7.0255000E+02	3.3393000E-02	3.0942000E-01	1.0333000E-02	4.5408000E-02
7.0260000E+02	3.2795000E-02	3.0951000E-01	1.0150000E-02	4.4606000E-02
7.0265000E+02	3.2224000E-02	3.0959000E-01	9.9764000E-03	4.3842000E-02

7.0270000E+02	3.1678000E-02	3.0968000E-01	9.8100000E-03	4.3111000E-02
7.0275000E+02	3.1154000E-02	3.0976000E-01	9.6502000E-03	4.2408000E-02
7.0280000E+02	3.0647000E-02	3.0984000E-01	9.4957000E-03	4.1729000E-02
7.0285000E+02	3.0154000E-02	3.0993000E-01	9.3456000E-03	4.1070000E-02
7.0290000E+02	2.9672000E-02	3.1001000E-01	9.1986000E-03	4.0424000E-02
7.0295000E+02	2.9197000E-02	3.1009000E-01	9.0537000E-03	3.9787000E-02
7.0300000E+02	2.8726000E-02	3.1018000E-01	8.9100000E-03	3.9156000E-02
7.0305000E+02	2.8256000E-02	3.1026000E-01	8.7665000E-03	3.8525000E-02
7.0310000E+02	2.7784000E-02	3.1034000E-01	8.6225000E-03	3.7892000E-02
7.0315000E+02	2.7309000E-02	3.1042000E-01	8.4773000E-03	3.7254000E-02
7.0320000E+02	2.6829000E-02	3.1050000E-01	8.3305000E-03	3.6609000E-02
7.0325000E+02	2.6344000E-02	3.1058000E-01	8.1818000E-03	3.5955000E-02
7.0330000E+02	2.5851000E-02	3.1066000E-01	8.0310000E-03	3.5293000E-02
7.0335000E+02	2.5353000E-02	3.1074000E-01	7.8781000E-03	3.4621000E-02
7.0340000E+02	2.4848000E-02	3.1082000E-01	7.7234000E-03	3.3941000E-02
7.0345000E+02	2.4339000E-02	3.1091000E-01	7.5671000E-03	3.3254000E-02
7.0350000E+02	2.3827000E-02	3.1099000E-01	7.4098000E-03	3.2563000E-02
7.0355000E+02	2.3314000E-02	3.1107000E-01	7.2521000E-03	3.1870000E-02
7.0360000E+02	2.2822000E-02	3.1115000E-01	7.1010000E-03	3.1206000E-02
7.0365000E+02	2.2327000E-02	3.1123000E-01	6.9487000E-03	3.0537000E-02
7.0370000E+02	2.1838000E-02	3.1131000E-01	6.7985000E-03	2.9876000E-02
7.0375000E+02	2.1359000E-02	3.1139000E-01	6.6511000E-03	2.9229000E-02
7.0380000E+02	2.0892000E-02	3.1147000E-01	6.5073000E-03	2.8597000E-02
7.0385000E+02	2.0439000E-02	3.1155000E-01	6.3677000E-03	2.7983000E-02
7.0390000E+02	2.0001000E-02	3.1163000E-01	6.2330000E-03	2.7392000E-02
7.0395000E+02	1.9582000E-02	3.1171000E-01	6.1039000E-03	2.6824000E-02
7.0400000E+02	1.9182000E-02	3.1179000E-01	5.9807000E-03	2.6283000E-02
7.0405000E+02	1.8802000E-02	3.1191000E-01	5.8646000E-03	2.5772000E-02
7.0410000E+02	1.8445000E-02	3.1202000E-01	5.7552000E-03	2.5292000E-02
7.0415000E+02	1.8109000E-02	3.1214000E-01	5.6526000E-03	2.4841000E-02
7.0420000E+02	1.7796000E-02	3.1226000E-01	5.5569000E-03	2.4420000E-02
7.0425000E+02	1.7504000E-02	3.1238000E-01	5.4679000E-03	2.4029000E-02
7.0430000E+02	1.7233000E-02	3.1250000E-01	5.3854000E-03	2.3666000E-02
7.0435000E+02	1.6982000E-02	3.1262000E-01	5.3089000E-03	2.3330000E-02
7.0440000E+02	1.6749000E-02	3.1274000E-01	5.2381000E-03	2.3019000E-02
7.0445000E+02	1.6532000E-02	3.1286000E-01	5.1722000E-03	2.2730000E-02
7.0450000E+02	1.6329000E-02	3.1298000E-01	5.1108000E-03	2.2460000E-02
7.0455000E+02	1.6138000E-02	3.1310000E-01	5.0530000E-03	2.2206000E-02
7.0460000E+02	1.5957000E-02	3.1322000E-01	4.9980000E-03	2.1964000E-02
7.0465000E+02	1.5782000E-02	3.1334000E-01	4.9451000E-03	2.1732000E-02
7.0470000E+02	1.5611000E-02	3.1346000E-01	4.8935000E-03	2.1505000E-02
7.0475000E+02	1.5442000E-02	3.1358000E-01	4.8424000E-03	2.1280000E-02
7.0480000E+02	1.5273000E-02	3.1370000E-01	4.7911000E-03	2.1055000E-02

7.0485000E+02	1.5101000E-02	3.1382000E-01	4.7389000E-03	2.0826000E-02
7.0490000E+02	1.4924000E-02	3.1394000E-01	4.6853000E-03	2.0590000E-02
7.0495000E+02	1.4742000E-02	3.1406000E-01	4.6297000E-03	2.0346000E-02
7.0500000E+02	1.4552000E-02	3.1418000E-01	4.5719000E-03	2.0091000E-02
7.0505000E+02	1.4354000E-02	3.1430000E-01	4.5114000E-03	1.9826000E-02
7.0510000E+02	1.4148000E-02	3.1442000E-01	4.4483000E-03	1.9548000E-02
7.0515000E+02	1.3933000E-02	3.1454000E-01	4.3824000E-03	1.9259000E-02
7.0520000E+02	1.3710000E-02	3.1466000E-01	4.3139000E-03	1.8958000E-02
7.0525000E+02	1.3479000E-02	3.1478000E-01	4.2429000E-03	1.8646000E-02
7.0530000E+02	1.3241000E-02	3.1490000E-01	4.1697000E-03	1.8324000E-02
7.0535000E+02	1.2998000E-02	3.1502000E-01	4.0947000E-03	1.7995000E-02
7.0540000E+02	1.2751000E-02	3.1514000E-01	4.0184000E-03	1.7659000E-02
7.0545000E+02	1.2502000E-02	3.1526000E-01	3.9413000E-03	1.7320000E-02
7.0550000E+02	1.2251000E-02	3.1538000E-01	3.8638000E-03	1.6980000E-02
7.0555000E+02	1.2002000E-02	3.1550000E-01	3.7865000E-03	1.6640000E-02
7.0560000E+02	1.1755000E-02	3.1562000E-01	3.7100000E-03	1.6304000E-02
7.0565000E+02	1.1512000E-02	3.1574000E-01	3.6347000E-03	1.5973000E-02
7.0570000E+02	1.1274000E-02	3.1586000E-01	3.5611000E-03	1.5650000E-02
7.0575000E+02	1.1044000E-02	3.1598000E-01	3.4897000E-03	1.5336000E-02
7.0580000E+02	1.0821000E-02	3.1610000E-01	3.4207000E-03	1.5032000E-02
7.0585000E+02	1.0607000E-02	3.1622000E-01	3.3543000E-03	1.4741000E-02
7.0590000E+02	1.0403000E-02	3.1634000E-01	3.2908000E-03	1.4461000E-02
7.0595000E+02	1.0207000E-02	3.1646000E-01	3.2302000E-03	1.4195000E-02
7.0600000E+02	1.0021000E-02	3.1658000E-01	3.1724000E-03	1.3941000E-02
7.0605000E+02	9.8436000E-03	3.1669000E-01	3.1174000E-03	1.3699000E-02
7.0610000E+02	9.6744000E-03	3.1680000E-01	3.0648000E-03	1.3469000E-02
7.0615000E+02	9.5127000E-03	3.1690000E-01	3.0146000E-03	1.3248000E-02
7.0620000E+02	9.3572000E-03	3.1701000E-01	2.9663000E-03	1.3036000E-02
7.0625000E+02	9.2068000E-03	3.1712000E-01	2.9197000E-03	1.2831000E-02
7.0630000E+02	9.0603000E-03	3.1723000E-01	2.8742000E-03	1.2631000E-02
7.0635000E+02	8.9162000E-03	3.1733000E-01	2.8294000E-03	1.2434000E-02
7.0640000E+02	8.7733000E-03	3.1744000E-01	2.7850000E-03	1.2239000E-02
7.0645000E+02	8.6303000E-03	3.1755000E-01	2.7405000E-03	1.2043000E-02
7.0650000E+02	8.4861000E-03	3.1766000E-01	2.6957000E-03	1.1846000E-02
7.0655000E+02	8.3398000E-03	3.1776000E-01	2.6501000E-03	1.1646000E-02
7.0660000E+02	8.1906000E-03	3.1787000E-01	2.6035000E-03	1.1441000E-02
7.0665000E+02	8.0380000E-03	3.1798000E-01	2.5559000E-03	1.1232000E-02
7.0670000E+02	7.8819000E-03	3.1808000E-01	2.5071000E-03	1.1018000E-02
7.0675000E+02	7.7223000E-03	3.1819000E-01	2.4572000E-03	1.0798000E-02
7.0680000E+02	7.5595000E-03	3.1830000E-01	2.4062000E-03	1.0574000E-02
7.0685000E+02	7.3943000E-03	3.1841000E-01	2.3544000E-03	1.0346000E-02
7.0690000E+02	7.2275000E-03	3.1851000E-01	2.3020000E-03	1.0116000E-02
7.0695000E+02	7.0601000E-03	3.1862000E-01	2.2495000E-03	9.8856000E-03

7.070000E+02	6.893700E-03	3.187300E-01	2.197200E-03	9.655700E-03
7.070500E+02	6.729500E-03	3.188400E-01	2.145600E-03	9.429000E-03
7.071000E+02	6.569300E-03	3.189400E-01	2.095200E-03	9.207600E-03
7.071500E+02	6.414500E-03	3.190500E-01	2.046500E-03	8.993700E-03
7.072000E+02	6.266700E-03	3.191600E-01	2.000100E-03	8.789500E-03
7.072500E+02	6.127500E-03	3.192700E-01	1.956300E-03	8.597100E-03
7.073000E+02	5.998100E-03	3.193800E-01	1.915600E-03	8.418400E-03
7.073500E+02	5.879600E-03	3.194800E-01	1.878400E-03	8.255000E-03
7.074000E+02	5.773000E-03	3.195900E-01	1.845000E-03	8.108000E-03
7.074500E+02	5.678900E-03	3.197000E-01	1.815500E-03	7.978500E-03
7.075000E+02	5.597400E-03	3.198100E-01	1.790100E-03	7.866600E-03
7.075500E+02	5.528400E-03	3.199200E-01	1.768600E-03	7.772400E-03
7.076000E+02	5.471600E-03	3.200200E-01	1.751100E-03	7.695100E-03
7.076500E+02	5.426100E-03	3.201300E-01	1.737100E-03	7.633700E-03
7.077000E+02	5.390700E-03	3.202400E-01	1.726300E-03	7.586400E-03
7.077500E+02	5.363900E-03	3.203500E-01	1.718300E-03	7.551300E-03
7.078000E+02	5.344000E-03	3.204600E-01	1.712500E-03	7.525800E-03
7.078500E+02	5.328900E-03	3.205700E-01	1.708300E-03	7.507100E-03
7.079000E+02	5.316400E-03	3.206700E-01	1.704800E-03	7.492000E-03
7.079500E+02	5.304200E-03	3.207800E-01	1.701500E-03	7.477300E-03
7.080000E+02	5.289800E-03	3.208900E-01	1.697400E-03	7.459500E-03
7.080500E+02	5.271000E-03	3.209600E-01	1.691800E-03	7.434600E-03
7.081000E+02	5.245300E-03	3.210300E-01	1.683900E-03	7.400100E-03
7.081500E+02	5.210800E-03	3.211000E-01	1.673200E-03	7.352900E-03
7.082000E+02	5.165400E-03	3.211700E-01	1.659000E-03	7.290500E-03
7.082500E+02	5.107500E-03	3.212400E-01	1.640800E-03	7.210400E-03
7.083000E+02	5.036000E-03	3.213100E-01	1.618100E-03	7.111000E-03
7.083500E+02	4.949900E-03	3.213800E-01	1.590800E-03	6.991000E-03
7.084000E+02	4.848700E-03	3.214500E-01	1.558600E-03	6.849600E-03
7.084500E+02	4.732500E-03	3.215200E-01	1.521600E-03	6.686800E-03
7.085000E+02	4.601500E-03	3.216000E-01	1.479800E-03	6.503200E-03
7.085500E+02	4.456800E-03	3.216700E-01	1.433600E-03	6.300100E-03
7.086000E+02	4.299600E-03	3.217400E-01	1.383300E-03	6.079200E-03
7.086500E+02	4.131600E-03	3.218100E-01	1.329600E-03	5.842900E-03
7.087000E+02	3.954700E-03	3.218800E-01	1.272900E-03	5.593900E-03
7.087500E+02	3.771200E-03	3.219500E-01	1.214100E-03	5.335600E-03
7.088000E+02	3.583700E-03	3.220200E-01	1.154000E-03	5.071500E-03
7.088500E+02	3.394900E-03	3.220900E-01	1.093500E-03	4.805300E-03
7.089000E+02	3.207400E-03	3.221600E-01	1.033300E-03	4.540900E-03
7.089500E+02	3.024000E-03	3.222300E-01	9.744300E-04	4.282200E-03
7.090000E+02	2.847300E-03	3.223000E-01	9.177100E-04	4.032900E-03
7.090500E+02	2.679900E-03	3.223700E-01	8.639300E-04	3.796600E-03
7.091000E+02	2.524000E-03	3.224400E-01	8.138400E-04	3.576500E-03

7.0915000E+02	2.3815000E-03	3.2251000E-01	7.6807000E-04	3.3754000E-03
7.0920000E+02	2.2542000E-03	3.2258000E-01	7.2717000E-04	3.1956000E-03
7.0925000E+02	2.1433000E-03	3.2265000E-01	6.9153000E-04	3.0390000E-03
7.0930000E+02	2.0495000E-03	3.2272000E-01	6.6142000E-04	2.9067000E-03
7.0935000E+02	1.9734000E-03	3.2279000E-01	6.3699000E-04	2.7993000E-03
7.0940000E+02	1.9148000E-03	3.2286000E-01	6.1821000E-04	2.7168000E-03
7.0945000E+02	1.8734000E-03	3.2293000E-01	6.0495000E-04	2.6585000E-03
7.0950000E+02	0.0000000E+00	3.2299000E-01	0.0000000E+00	0.0000000E+00
Channel 4				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.8320000E+02	0.0000000E+00	2.6225000E-01	0.0000000E+00	0.0000000E+00
6.8330000E+02	1.9694000E-03	2.6251000E-01	5.1698000E-04	2.1792000E-03
6.8340000E+02	2.0011000E-03	2.6276000E-01	5.2582000E-04	2.2164000E-03
6.8350000E+02	2.0531000E-03	2.6301000E-01	5.3999000E-04	2.2762000E-03
6.8360000E+02	2.1261000E-03	2.6326000E-01	5.5972000E-04	2.3594000E-03
6.8370000E+02	2.2201000E-03	2.6352000E-01	5.8503000E-04	2.4660000E-03
6.8380000E+02	2.3343000E-03	2.6377000E-01	6.1572000E-04	2.5954000E-03
6.8390000E+02	2.4673000E-03	2.6402000E-01	6.5142000E-04	2.7459000E-03
6.8400000E+02	2.6168000E-03	2.6427000E-01	6.9155000E-04	2.9150000E-03
6.8410000E+02	2.7800000E-03	2.6434000E-01	7.3485000E-04	3.0976000E-03
6.8420000E+02	2.9537000E-03	2.6440000E-01	7.8095000E-04	3.2919000E-03
6.8430000E+02	3.1344000E-03	2.6446000E-01	8.2891000E-04	3.4941000E-03
6.8440000E+02	3.3184000E-03	2.6452000E-01	8.7781000E-04	3.7002000E-03
6.8450000E+02	3.5025000E-03	2.6459000E-01	9.2672000E-04	3.9063000E-03
6.8460000E+02	3.6835000E-03	2.6465000E-01	9.7484000E-04	4.1092000E-03
6.8470000E+02	3.8588000E-03	2.6471000E-01	1.0215000E-03	4.3057000E-03
6.8480000E+02	4.0265000E-03	2.6477000E-01	1.0661000E-03	4.4938000E-03
6.8490000E+02	4.1854000E-03	2.6484000E-01	1.1084000E-03	4.6724000E-03
6.8500000E+02	4.3354000E-03	2.6490000E-01	1.1485000E-03	4.8410000E-03
6.8510000E+02	4.4775000E-03	2.6496000E-01	1.1864000E-03	5.0007000E-03
6.8520000E+02	4.6133000E-03	2.6502000E-01	1.2226000E-03	5.1536000E-03
6.8530000E+02	4.7457000E-03	2.6508000E-01	1.2580000E-03	5.3027000E-03
6.8540000E+02	4.8784000E-03	2.6514000E-01	1.2934000E-03	5.4522000E-03
6.8550000E+02	5.0157000E-03	2.6520000E-01	1.3301000E-03	5.6068000E-03
6.8560000E+02	5.1623000E-03	2.6526000E-01	1.3693000E-03	5.7720000E-03
6.8570000E+02	5.3233000E-03	2.6531000E-01	1.4123000E-03	5.9533000E-03
6.8580000E+02	5.5035000E-03	2.6537000E-01	1.4605000E-03	6.1562000E-03
6.8590000E+02	5.7074000E-03	2.6543000E-01	1.5149000E-03	6.3857000E-03
6.8600000E+02	5.9388000E-03	2.6549000E-01	1.5767000E-03	6.6460000E-03
6.8610000E+02	6.2005000E-03	2.6586000E-01	1.6485000E-03	6.9488000E-03

6.8620000E+02	6.4943000E-03	2.6624000E-01	1.7290000E-03	7.2883000E-03
6.8630000E+02	6.8205000E-03	2.6662000E-01	1.8185000E-03	7.6653000E-03
6.8640000E+02	7.1780000E-03	2.6700000E-01	1.9165000E-03	8.0785000E-03
6.8650000E+02	7.5644000E-03	2.6737000E-01	2.0225000E-03	8.5253000E-03
6.8660000E+02	7.9757000E-03	2.6775000E-01	2.1355000E-03	9.0016000E-03
6.8670000E+02	8.4068000E-03	2.6813000E-01	2.2541000E-03	9.5016000E-03
6.8680000E+02	8.8518000E-03	2.6852000E-01	2.3768000E-03	1.0019000E-02
6.8690000E+02	9.3038000E-03	2.6891000E-01	2.5018000E-03	1.0546000E-02
6.8700000E+02	9.7558000E-03	2.6930000E-01	2.6272000E-03	1.1074000E-02
6.8710000E+02	1.0201000E-02	2.6969000E-01	2.7510000E-03	1.1596000E-02
6.8720000E+02	1.0633000E-02	2.7008000E-01	2.8716000E-03	1.2105000E-02
6.8730000E+02	1.1046000E-02	2.7047000E-01	2.9875000E-03	1.2593000E-02
6.8740000E+02	1.1436000E-02	2.7086000E-01	3.0974000E-03	1.3056000E-02
6.8750000E+02	1.1800000E-02	2.7125000E-01	3.2006000E-03	1.3491000E-02
6.8760000E+02	1.2137000E-02	2.7164000E-01	3.2969000E-03	1.3897000E-02
6.8770000E+02	1.2450000E-02	2.7203000E-01	3.3866000E-03	1.4275000E-02
6.8780000E+02	1.2740000E-02	2.7242000E-01	3.4705000E-03	1.4629000E-02
6.8790000E+02	1.3013000E-02	2.7281000E-01	3.5500000E-03	1.4964000E-02
6.8800000E+02	1.3277000E-02	2.7320000E-01	3.6271000E-03	1.5289000E-02
6.8810000E+02	1.3539000E-02	2.7349000E-01	3.7028000E-03	1.5608000E-02
6.8820000E+02	1.3812000E-02	2.7377000E-01	3.7813000E-03	1.5939000E-02
6.8830000E+02	1.4105000E-02	2.7406000E-01	3.8656000E-03	1.6294000E-02
6.8840000E+02	1.4430000E-02	2.7435000E-01	3.9590000E-03	1.6688000E-02
6.8850000E+02	1.4801000E-02	2.7464000E-01	4.0651000E-03	1.7135000E-02
6.8860000E+02	1.5229000E-02	2.7493000E-01	4.1870000E-03	1.7649000E-02
6.8870000E+02	1.5726000E-02	2.7523000E-01	4.3283000E-03	1.8245000E-02
6.8880000E+02	1.3733000E-02	2.7552000E-01	3.7836000E-03	1.5949000E-02
6.8890000E+02	1.4039000E-02	2.7581000E-01	3.8721000E-03	1.6322000E-02
6.8900000E+02	1.4539000E-02	2.7611000E-01	4.0143000E-03	1.6921000E-02
6.8910000E+02	1.5252000E-02	2.7640000E-01	4.2156000E-03	1.7770000E-02
6.8920000E+02	1.6188000E-02	2.7670000E-01	4.4790000E-03	1.8880000E-02
6.8930000E+02	1.7348000E-02	2.7699000E-01	4.8053000E-03	2.0255000E-02
6.8940000E+02	1.8727000E-02	2.7728000E-01	5.1928000E-03	2.1889000E-02
6.8950000E+02	2.0310000E-02	2.7758000E-01	5.6375000E-03	2.3763000E-02
6.8960000E+02	2.2075000E-02	2.7787000E-01	6.1339000E-03	2.5856000E-02
6.8970000E+02	2.3997000E-02	2.7816000E-01	6.6751000E-03	2.8137000E-02
6.8980000E+02	2.6048000E-02	2.7846000E-01	7.2533000E-03	3.0574000E-02
6.8990000E+02	2.8201000E-02	2.7875000E-01	7.8611000E-03	3.3136000E-02
6.9000000E+02	3.0430000E-02	2.7904000E-01	8.4914000E-03	3.5793000E-02
6.9010000E+02	3.2716000E-02	2.7926000E-01	9.1362000E-03	3.8511000E-02
6.9020000E+02	3.5044000E-02	2.7948000E-01	9.7939000E-03	4.1284000E-02
6.9030000E+02	3.7408000E-02	2.7970000E-01	1.0463000E-02	4.4104000E-02
6.9040000E+02	3.9813000E-02	2.7992000E-01	1.1144000E-02	4.6976000E-02

6.9050000E+02	4.2271000E-02	2.8013000E-01	1.1842000E-02	4.9915000E-02
6.9060000E+02	4.4804000E-02	2.8036000E-01	1.2561000E-02	5.2949000E-02
6.9070000E+02	4.7441000E-02	2.8060000E-01	1.3312000E-02	5.6113000E-02
6.9080000E+02	5.0219000E-02	2.8083000E-01	1.4103000E-02	5.9448000E-02
6.9090000E+02	5.3177000E-02	2.8107000E-01	1.4946000E-02	6.3002000E-02
6.9100000E+02	5.6359000E-02	2.8130000E-01	1.5854000E-02	6.6829000E-02
6.9110000E+02	5.9809000E-02	2.8154000E-01	1.6838000E-02	7.0978000E-02
6.9120000E+02	6.3569000E-02	2.8177000E-01	1.7912000E-02	7.5503000E-02
6.9130000E+02	6.7680000E-02	2.8200000E-01	1.9086000E-02	8.0451000E-02
6.9140000E+02	7.2178000E-02	2.8224000E-01	2.0371000E-02	8.5869000E-02
6.9150000E+02	7.7095000E-02	2.8247000E-01	2.1777000E-02	9.1795000E-02
6.9160000E+02	8.2462000E-02	2.8270000E-01	2.3312000E-02	9.8266000E-02
6.9170000E+02	8.8302000E-02	2.8293000E-01	2.4984000E-02	1.0531000E-01
6.9180000E+02	9.4639000E-02	2.8317000E-01	2.6798000E-02	1.1296000E-01
6.9190000E+02	1.0149000E-01	2.8340000E-01	2.8763000E-02	1.2124000E-01
6.9200000E+02	1.0889000E-01	2.8363000E-01	3.0884000E-02	1.3018000E-01
6.9210000E+02	1.1685000E-01	2.8390000E-01	3.3173000E-02	1.3983000E-01
6.9220000E+02	1.2539000E-01	2.8417000E-01	3.5633000E-02	1.5020000E-01
6.9230000E+02	1.3456000E-01	2.8444000E-01	3.8274000E-02	1.6133000E-01
6.9240000E+02	1.4438000E-01	2.8471000E-01	4.1105000E-02	1.7327000E-01
6.9250000E+02	1.5488000E-01	2.8498000E-01	4.4138000E-02	1.8605000E-01
6.9260000E+02	1.6611000E-01	2.8528000E-01	4.7386000E-02	1.9974000E-01
6.9270000E+02	1.7809000E-01	2.8557000E-01	5.0858000E-02	2.1438000E-01
6.9280000E+02	1.9087000E-01	2.8587000E-01	5.4564000E-02	2.3000000E-01
6.9290000E+02	2.0448000E-01	2.8617000E-01	5.8515000E-02	2.4665000E-01
6.9300000E+02	2.1893000E-01	2.8647000E-01	6.2716000E-02	2.6436000E-01
6.9310000E+02	2.3424000E-01	2.8676000E-01	6.7172000E-02	2.8315000E-01
6.9320000E+02	2.5042000E-01	2.8706000E-01	7.1884000E-02	3.0301000E-01
6.9330000E+02	2.6743000E-01	2.8735000E-01	7.6848000E-02	3.2393000E-01
6.9340000E+02	2.8526000E-01	2.8765000E-01	8.2057000E-02	3.4589000E-01
6.9350000E+02	3.0386000E-01	2.8795000E-01	8.7496000E-02	3.6882000E-01
6.9360000E+02	3.2316000E-01	2.8824000E-01	9.3148000E-02	3.9264000E-01
6.9370000E+02	3.4307000E-01	2.8854000E-01	9.8990000E-02	4.1727000E-01
6.9380000E+02	3.6351000E-01	2.8884000E-01	1.0500000E-01	4.4258000E-01
6.9390000E+02	3.8437000E-01	2.8913000E-01	1.1113000E-01	4.6845000E-01
6.9400000E+02	4.0552000E-01	2.8943000E-01	1.1737000E-01	4.9474000E-01
6.9410000E+02	4.2685000E-01	2.8968000E-01	1.2365000E-01	5.2121000E-01
6.9420000E+02	4.4822000E-01	2.8993000E-01	1.2995000E-01	5.4778000E-01
6.9430000E+02	4.6951000E-01	2.9018000E-01	1.3624000E-01	5.7430000E-01
6.9440000E+02	4.9059000E-01	2.9043000E-01	1.4248000E-01	6.0060000E-01
6.9450000E+02	5.1134000E-01	2.9069000E-01	1.4864000E-01	6.2657000E-01
6.9460000E+02	5.3164000E-01	2.9096000E-01	1.5468000E-01	6.5203000E-01
6.9470000E+02	5.5138000E-01	2.9122000E-01	1.6058000E-01	6.7686000E-01

6.9480000E+02	5.7047000E-01	2.9149000E-01	1.6628000E-01	7.0093000E-01
6.9490000E+02	5.8880000E-01	2.9175000E-01	1.7178000E-01	7.2411000E-01
6.9500000E+02	6.0630000E-01	2.9202000E-01	1.7705000E-01	7.4631000E-01
6.9510000E+02	6.2289000E-01	2.9228000E-01	1.8206000E-01	7.6742000E-01
6.9520000E+02	6.3850000E-01	2.9255000E-01	1.8679000E-01	7.8737000E-01
6.9530000E+02	6.5308000E-01	2.9281000E-01	1.9123000E-01	8.0607000E-01
6.9540000E+02	6.6656000E-01	2.9308000E-01	1.9535000E-01	8.2346000E-01
6.9550000E+02	6.7890000E-01	2.9334000E-01	1.9915000E-01	8.3946000E-01
6.9560000E+02	6.9007000E-01	2.9361000E-01	2.0261000E-01	8.5405000E-01
6.9570000E+02	7.0004000E-01	2.9387000E-01	2.0572000E-01	8.6717000E-01
6.9580000E+02	7.0880000E-01	2.9414000E-01	2.0848000E-01	8.7881000E-01
6.9590000E+02	7.1632000E-01	2.9440000E-01	2.1089000E-01	8.8894000E-01
6.9600000E+02	7.2264000E-01	2.9467000E-01	2.1294000E-01	8.9759000E-01
6.9610000E+02	7.2776000E-01	2.9477000E-01	2.1452000E-01	9.0425000E-01
6.9620000E+02	7.3171000E-01	2.9487000E-01	2.1576000E-01	9.0948000E-01
6.9630000E+02	7.3456000E-01	2.9497000E-01	2.1668000E-01	9.1334000E-01
6.9640000E+02	7.3637000E-01	2.9508000E-01	2.1729000E-01	9.1592000E-01
6.9650000E+02	7.3721000E-01	2.9520000E-01	2.1762000E-01	9.1732000E-01
6.9660000E+02	7.3717000E-01	2.9531000E-01	2.1769000E-01	9.1763000E-01
6.9670000E+02	7.3637000E-01	2.9542000E-01	2.1754000E-01	9.1698000E-01
6.9680000E+02	7.3489000E-01	2.9554000E-01	2.1719000E-01	9.1549000E-01
6.9690000E+02	7.3286000E-01	2.9565000E-01	2.1667000E-01	9.1331000E-01
6.9700000E+02	7.3038000E-01	2.9577000E-01	2.1602000E-01	9.1058000E-01
6.9710000E+02	7.2756000E-01	2.9588000E-01	2.1527000E-01	9.0742000E-01
6.9720000E+02	7.2452000E-01	2.9600000E-01	2.1445000E-01	9.0397000E-01
6.9730000E+02	7.2133000E-01	2.9611000E-01	2.1359000E-01	9.0034000E-01
6.9740000E+02	7.1808000E-01	2.9623000E-01	2.1271000E-01	8.9664000E-01
6.9750000E+02	7.1485000E-01	2.9634000E-01	2.1184000E-01	8.9295000E-01
6.9760000E+02	7.1168000E-01	2.9646000E-01	2.1098000E-01	8.8934000E-01
6.9770000E+02	7.0863000E-01	2.9657000E-01	2.1016000E-01	8.8588000E-01
6.9780000E+02	7.0574000E-01	2.9669000E-01	2.0938000E-01	8.8260000E-01
6.9790000E+02	7.0302000E-01	2.9680000E-01	2.0866000E-01	8.7954000E-01
6.9800000E+02	7.0049000E-01	2.9692000E-01	2.0799000E-01	8.7672000E-01
6.9810000E+02	6.9817000E-01	2.9717000E-01	2.0747000E-01	8.7454000E-01
6.9820000E+02	6.9606000E-01	2.9742000E-01	2.0702000E-01	8.7263000E-01
6.9830000E+02	6.9417000E-01	2.9767000E-01	2.0663000E-01	8.7099000E-01
6.9840000E+02	6.9250000E-01	2.9792000E-01	2.0631000E-01	8.6966000E-01
6.9850000E+02	6.9108000E-01	2.9818000E-01	2.0607000E-01	8.6862000E-01
6.9860000E+02	6.8990000E-01	2.9844000E-01	2.0590000E-01	8.6790000E-01
6.9870000E+02	6.8899000E-01	2.9870000E-01	2.0580000E-01	8.6750000E-01
6.9880000E+02	6.8836000E-01	2.9896000E-01	2.0579000E-01	8.6746000E-01
6.9890000E+02	6.8802000E-01	2.9922000E-01	2.0587000E-01	8.6779000E-01
6.9900000E+02	6.8800000E-01	2.9948000E-01	2.0604000E-01	8.6851000E-01

6.9910000E+02	6.8830000E-01	2.9974000E-01	2.0631000E-01	8.6965000E-01
6.9920000E+02	6.8894000E-01	3.0000000E-01	2.0668000E-01	8.7121000E-01
6.9930000E+02	6.8990000E-01	3.0026000E-01	2.0715000E-01	8.7319000E-01
6.9940000E+02	6.9119000E-01	3.0052000E-01	2.0772000E-01	8.7558000E-01
6.9950000E+02	6.9278000E-01	3.0079000E-01	2.0838000E-01	8.7836000E-01
6.9960000E+02	6.9465000E-01	3.0105000E-01	2.0912000E-01	8.8150000E-01
6.9970000E+02	6.9677000E-01	3.0131000E-01	2.0994000E-01	8.8495000E-01
6.9980000E+02	6.9909000E-01	3.0157000E-01	2.1082000E-01	8.8867000E-01
6.9990000E+02	7.0157000E-01	3.0183000E-01	2.1175000E-01	8.9260000E-01
7.0000000E+02	7.0416000E-01	3.0209000E-01	2.1272000E-01	8.9666000E-01
7.0010000E+02	7.0681000E-01	3.0241000E-01	2.1374000E-01	9.0098000E-01
7.0020000E+02	7.0947000E-01	3.0272000E-01	2.1477000E-01	9.0532000E-01
7.0030000E+02	7.1209000E-01	3.0305000E-01	2.1580000E-01	9.0963000E-01
7.0040000E+02	7.1463000E-01	3.0337000E-01	2.1680000E-01	9.1386000E-01
7.0050000E+02	7.1707000E-01	3.0370000E-01	2.1777000E-01	9.1796000E-01
7.0060000E+02	7.1938000E-01	3.0402000E-01	2.1871000E-01	9.2189000E-01
7.0070000E+02	7.2154000E-01	3.0434000E-01	2.1960000E-01	9.2565000E-01
7.0080000E+02	7.2354000E-01	3.0467000E-01	2.2044000E-01	9.2921000E-01
7.0090000E+02	7.2539000E-01	3.0499000E-01	2.2124000E-01	9.3257000E-01
7.0100000E+02	7.2709000E-01	3.0531000E-01	2.2199000E-01	9.3574000E-01
7.0110000E+02	7.2865000E-01	3.0563000E-01	2.2270000E-01	9.3872000E-01
7.0120000E+02	7.3007000E-01	3.0595000E-01	2.2337000E-01	9.4154000E-01
7.0130000E+02	7.3136000E-01	3.0627000E-01	2.2399000E-01	9.4419000E-01
7.0140000E+02	7.3253000E-01	3.0659000E-01	2.2459000E-01	9.4669000E-01
7.0150000E+02	7.3359000E-01	3.0691000E-01	2.2515000E-01	9.4904000E-01
7.0160000E+02	7.3453000E-01	3.0723000E-01	2.2567000E-01	9.5124000E-01
7.0170000E+02	7.3534000E-01	3.0755000E-01	2.2615000E-01	9.5328000E-01
7.0180000E+02	7.3602000E-01	3.0786000E-01	2.2659000E-01	9.5514000E-01
7.0190000E+02	7.3655000E-01	3.0818000E-01	2.2699000E-01	9.5682000E-01
7.0200000E+02	7.3692000E-01	3.0850000E-01	2.2734000E-01	9.5829000E-01
7.0210000E+02	7.3711000E-01	3.0867000E-01	2.2752000E-01	9.5905000E-01
7.0220000E+02	7.3711000E-01	3.0884000E-01	2.2764000E-01	9.5957000E-01
7.0230000E+02	7.3690000E-01	3.0900000E-01	2.2771000E-01	9.5983000E-01
7.0240000E+02	7.3649000E-01	3.0917000E-01	2.2770000E-01	9.5982000E-01
7.0250000E+02	7.3586000E-01	3.0934000E-01	2.2763000E-01	9.5952000E-01
7.0260000E+02	7.3504000E-01	3.0951000E-01	2.2750000E-01	9.5897000E-01
7.0270000E+02	7.3402000E-01	3.0968000E-01	2.2731000E-01	9.5816000E-01
7.0280000E+02	7.3284000E-01	3.0984000E-01	2.2706000E-01	9.5713000E-01
7.0290000E+02	7.3151000E-01	3.1001000E-01	2.2677000E-01	9.5590000E-01
7.0300000E+02	7.3006000E-01	3.1018000E-01	2.2645000E-01	9.5453000E-01
7.0310000E+02	7.2853000E-01	3.1034000E-01	2.2609000E-01	9.5303000E-01
7.0320000E+02	7.2696000E-01	3.1050000E-01	2.2572000E-01	9.5146000E-01
7.0330000E+02	7.2537000E-01	3.1066000E-01	2.2535000E-01	9.4988000E-01

7.0340000E+02	7.2380000E-01	3.1082000E-01	2.2498000E-01	9.4832000E-01
7.0350000E+02	7.2228000E-01	3.1099000E-01	2.2462000E-01	9.4682000E-01
7.0360000E+02	7.2083000E-01	3.1115000E-01	2.2428000E-01	9.4541000E-01
7.0370000E+02	7.1947000E-01	3.1131000E-01	2.2398000E-01	9.4412000E-01
7.0380000E+02	7.1822000E-01	3.1147000E-01	2.2370000E-01	9.4296000E-01
7.0390000E+02	7.1708000E-01	3.1163000E-01	2.2347000E-01	9.4196000E-01
7.0400000E+02	7.1606000E-01	3.1179000E-01	2.2326000E-01	9.4111000E-01
7.0410000E+02	7.1518000E-01	3.1202000E-01	2.2315000E-01	9.4064000E-01
7.0420000E+02	7.1442000E-01	3.1226000E-01	2.2309000E-01	9.4036000E-01
7.0430000E+02	7.1378000E-01	3.1250000E-01	2.2306000E-01	9.4025000E-01
7.0440000E+02	7.1329000E-01	3.1274000E-01	2.2307000E-01	9.4031000E-01
7.0450000E+02	7.1292000E-01	3.1298000E-01	2.2313000E-01	9.4055000E-01
7.0460000E+02	7.1270000E-01	3.1322000E-01	2.2323000E-01	9.4098000E-01
7.0470000E+02	7.1263000E-01	3.1346000E-01	2.2338000E-01	9.4161000E-01
7.0480000E+02	7.1272000E-01	3.1370000E-01	2.2358000E-01	9.4245000E-01
7.0490000E+02	7.1299000E-01	3.1394000E-01	2.2384000E-01	9.4353000E-01
7.0500000E+02	7.1346000E-01	3.1418000E-01	2.2415000E-01	9.4486000E-01
7.0510000E+02	7.1412000E-01	3.1442000E-01	2.2453000E-01	9.4646000E-01
7.0520000E+02	7.1500000E-01	3.1466000E-01	2.2498000E-01	9.4835000E-01
7.0530000E+02	7.1611000E-01	3.1490000E-01	2.2550000E-01	9.5055000E-01
7.0540000E+02	7.1744000E-01	3.1514000E-01	2.2610000E-01	9.5305000E-01
7.0550000E+02	7.1901000E-01	3.1538000E-01	2.2676000E-01	9.5585000E-01
7.0560000E+02	7.2079000E-01	3.1562000E-01	2.2750000E-01	9.5896000E-01
7.0570000E+02	7.2278000E-01	3.1586000E-01	2.2830000E-01	9.6233000E-01
7.0580000E+02	7.2494000E-01	3.1610000E-01	2.2916000E-01	9.6594000E-01
7.0590000E+02	7.2725000E-01	3.1634000E-01	2.3006000E-01	9.6975000E-01
7.0600000E+02	7.2965000E-01	3.1658000E-01	2.3100000E-01	9.7370000E-01
7.0610000E+02	7.3210000E-01	3.1680000E-01	2.3193000E-01	9.7763000E-01
7.0620000E+02	7.3454000E-01	3.1701000E-01	2.3286000E-01	9.8155000E-01
7.0630000E+02	7.3689000E-01	3.1723000E-01	2.3376000E-01	9.8536000E-01
7.0640000E+02	7.3908000E-01	3.1744000E-01	2.3462000E-01	9.8896000E-01
7.0650000E+02	7.4104000E-01	3.1766000E-01	2.3540000E-01	9.9225000E-01
7.0660000E+02	7.4268000E-01	3.1787000E-01	2.3608000E-01	9.9512000E-01
7.0670000E+02	7.4392000E-01	3.1808000E-01	2.3663000E-01	9.9744000E-01
7.0680000E+02	7.4466000E-01	3.1830000E-01	2.3702000E-01	9.9911000E-01
7.0690000E+02	7.4482000E-01	3.1851000E-01	2.3723000E-01	1.0000000E+00
7.0700000E+02	7.4432000E-01	3.1873000E-01	2.3723000E-01	9.9999000E-01
7.0710000E+02	7.4306000E-01	3.1894000E-01	2.3699000E-01	9.9898000E-01
7.0720000E+02	7.4097000E-01	3.1916000E-01	2.3649000E-01	9.9684000E-01
7.0730000E+02	7.3797000E-01	3.1938000E-01	2.3569000E-01	9.9348000E-01
7.0740000E+02	7.3399000E-01	3.1959000E-01	2.3458000E-01	9.8880000E-01
7.0750000E+02	7.2898000E-01	3.1981000E-01	2.3313000E-01	9.8271000E-01
7.0760000E+02	7.2288000E-01	3.2002000E-01	2.3134000E-01	9.7515000E-01

7.0770000E+02	7.1566000E-01	3.2024000E-01	2.2918000E-01	9.6606000E-01
7.0780000E+02	7.0727000E-01	3.2046000E-01	2.2665000E-01	9.5539000E-01
7.0790000E+02	6.9772000E-01	3.2067000E-01	2.2374000E-01	9.4312000E-01
7.0800000E+02	6.8699000E-01	3.2089000E-01	2.2045000E-01	9.2925000E-01
7.0810000E+02	6.7511000E-01	3.2103000E-01	2.1673000E-01	9.1357000E-01
7.0820000E+02	6.6209000E-01	3.2117000E-01	2.1264000E-01	8.9634000E-01
7.0830000E+02	6.4797000E-01	3.2131000E-01	2.0820000E-01	8.7762000E-01
7.0840000E+02	6.3282000E-01	3.2145000E-01	2.0342000E-01	8.5747000E-01
7.0850000E+02	6.1668000E-01	3.2160000E-01	1.9832000E-01	8.3598000E-01
7.0860000E+02	5.9965000E-01	3.2174000E-01	1.9293000E-01	8.1324000E-01
7.0870000E+02	5.8179000E-01	3.2188000E-01	1.8727000E-01	7.8937000E-01
7.0880000E+02	5.6321000E-01	3.2202000E-01	1.8136000E-01	7.6449000E-01
7.0890000E+02	5.4399000E-01	3.2216000E-01	1.7525000E-01	7.3872000E-01
7.0900000E+02	5.2423000E-01	3.2230000E-01	1.6896000E-01	7.1221000E-01
7.0910000E+02	5.0404000E-01	3.2244000E-01	1.6252000E-01	6.8507000E-01
7.0920000E+02	4.8352000E-01	3.2258000E-01	1.5597000E-01	6.5746000E-01
7.0930000E+02	4.6277000E-01	3.2272000E-01	1.4934000E-01	6.2952000E-01
7.0940000E+02	4.4189000E-01	3.2286000E-01	1.4267000E-01	6.0137000E-01
7.0950000E+02	4.2099000E-01	3.2299000E-01	1.3598000E-01	5.7317000E-01
7.0960000E+02	4.0015000E-01	3.2313000E-01	1.2930000E-01	5.4504000E-01
7.0970000E+02	3.7949000E-01	3.2327000E-01	1.2268000E-01	5.1711000E-01
7.0980000E+02	3.5908000E-01	3.2341000E-01	1.1613000E-01	4.8952000E-01
7.0990000E+02	3.3903000E-01	3.2355000E-01	1.0969000E-01	4.6238000E-01
7.1000000E+02	3.1942000E-01	3.2368000E-01	1.0339000E-01	4.3582000E-01
7.1010000E+02	3.0034000E-01	3.2392000E-01	9.7288000E-02	4.1009000E-01
7.1020000E+02	2.8186000E-01	3.2416000E-01	9.1370000E-02	3.8514000E-01
7.1030000E+02	2.6406000E-01	3.2440000E-01	8.5662000E-02	3.6109000E-01
7.1040000E+02	2.4700000E-01	3.2465000E-01	8.0187000E-02	3.3801000E-01
7.1050000E+02	2.3073000E-01	3.2489000E-01	7.4962000E-02	3.1598000E-01
7.1060000E+02	2.1531000E-01	3.2513000E-01	7.0003000E-02	2.9508000E-01
7.1070000E+02	2.0076000E-01	3.2537000E-01	6.5320000E-02	2.7534000E-01
7.1080000E+02	1.8709000E-01	3.2561000E-01	6.0919000E-02	2.5679000E-01
7.1090000E+02	1.7432000E-01	3.2585000E-01	5.6803000E-02	2.3944000E-01
7.1100000E+02	1.6243000E-01	3.2609000E-01	5.2967000E-02	2.2327000E-01
7.1110000E+02	1.5139000E-01	3.2633000E-01	4.9404000E-02	2.0825000E-01
7.1120000E+02	1.4117000E-01	3.2656000E-01	4.6101000E-02	1.9433000E-01
7.1130000E+02	1.3171000E-01	3.2680000E-01	4.3042000E-02	1.8143000E-01
7.1140000E+02	1.2295000E-01	3.2704000E-01	4.0208000E-02	1.6949000E-01
7.1150000E+02	1.1482000E-01	3.2727000E-01	3.7577000E-02	1.5840000E-01
7.1160000E+02	1.0726000E-01	3.2751000E-01	3.5128000E-02	1.4807000E-01
7.1170000E+02	1.0019000E-01	3.2775000E-01	3.2837000E-02	1.3841000E-01
7.1180000E+02	9.3549000E-02	3.2799000E-01	3.0683000E-02	1.2934000E-01
7.1190000E+02	8.7283000E-02	3.2823000E-01	2.8648000E-02	1.2076000E-01

7.1200000E+02	8.1339000E-02	3.2847000E-01	2.6717000E-02	1.1262000E-01
7.1210000E+02	7.5682000E-02	3.2868000E-01	2.4875000E-02	1.0486000E-01
7.1220000E+02	7.0288000E-02	3.2890000E-01	2.3118000E-02	9.7447000E-02
7.1230000E+02	6.5146000E-02	3.2912000E-01	2.1441000E-02	9.0378000E-02
7.1240000E+02	6.0258000E-02	3.2933000E-01	1.9845000E-02	8.3652000E-02
7.1250000E+02	5.5634000E-02	3.2955000E-01	1.8334000E-02	7.7283000E-02
7.1260000E+02	5.1293000E-02	3.2977000E-01	1.6915000E-02	7.1300000E-02
7.1270000E+02	4.7258000E-02	3.2999000E-01	1.5594000E-02	6.5734000E-02
7.1280000E+02	4.3553000E-02	3.3020000E-01	1.4381000E-02	6.0620000E-02
7.1290000E+02	4.0199000E-02	3.3042000E-01	1.3283000E-02	5.5989000E-02
7.1300000E+02	3.7211000E-02	3.3064000E-01	1.2303000E-02	5.1862000E-02
7.1310000E+02	3.4596000E-02	3.3086000E-01	1.1447000E-02	4.8250000E-02
7.1320000E+02	3.2351000E-02	3.3108000E-01	1.0711000E-02	4.5149000E-02
7.1330000E+02	3.0459000E-02	3.3131000E-01	1.0091000E-02	4.2537000E-02
7.1340000E+02	2.8893000E-02	3.3153000E-01	9.5790000E-03	4.0378000E-02
7.1350000E+02	2.7615000E-02	3.3175000E-01	9.1612000E-03	3.8617000E-02
7.1360000E+02	2.6576000E-02	3.3198000E-01	8.8225000E-03	3.7189000E-02
7.1370000E+02	2.5723000E-02	3.3220000E-01	8.5451000E-03	3.6019000E-02
7.1380000E+02	2.4999000E-02	3.3243000E-01	8.3104000E-03	3.5030000E-02
7.1390000E+02	2.4347000E-02	3.3267000E-01	8.0994000E-03	3.4141000E-02
7.1400000E+02	2.3715000E-02	3.3290000E-01	7.8948000E-03	3.3278000E-02
7.1410000E+02	2.3058000E-02	3.3307000E-01	7.6800000E-03	3.2373000E-02
7.1420000E+02	2.2341000E-02	3.3324000E-01	7.4449000E-03	3.1382000E-02
7.1430000E+02	2.1541000E-02	3.3341000E-01	7.1819000E-03	3.0273000E-02
7.1440000E+02	2.0648000E-02	3.3358000E-01	6.8877000E-03	2.9033000E-02
7.1450000E+02	1.9665000E-02	3.3375000E-01	6.5633000E-03	2.7666000E-02
7.1460000E+02	1.8609000E-02	3.3392000E-01	6.2139000E-03	2.6193000E-02
7.1470000E+02	1.7504000E-02	3.3409000E-01	5.8478000E-03	2.4650000E-02
7.1480000E+02	1.6383000E-02	3.3426000E-01	5.4761000E-03	2.3083000E-02
7.1490000E+02	1.5283000E-02	3.3443000E-01	5.1110000E-03	2.1544000E-02
7.1500000E+02	1.4241000E-02	3.3460000E-01	4.7650000E-03	2.0085000E-02
7.1510000E+02	1.3291000E-02	3.3477000E-01	4.4496000E-03	1.8756000E-02
7.1520000E+02	1.2463000E-02	3.3494000E-01	4.1743000E-03	1.7596000E-02
7.1530000E+02	1.1775000E-02	3.3511000E-01	3.9459000E-03	1.6633000E-02
7.1540000E+02	1.1236000E-02	3.3528000E-01	3.7673000E-03	1.5880000E-02
7.1550000E+02	1.0846000E-02	3.3546000E-01	3.6382000E-03	1.5336000E-02
7.1560000E+02	1.0590000E-02	3.3563000E-01	3.5543000E-03	1.4982000E-02
7.1570000E+02	1.0448000E-02	3.3580000E-01	3.5082000E-03	1.4788000E-02
7.1580000E+02	1.0388000E-02	3.3597000E-01	3.4901000E-03	1.4712000E-02
7.1590000E+02	1.0377000E-02	3.3614000E-01	3.4881000E-03	1.4703000E-02
7.1600000E+02	1.0378000E-02	3.3630000E-01	3.4901000E-03	1.4712000E-02
7.1610000E+02	1.0355000E-02	3.3639000E-01	3.4835000E-03	1.4684000E-02
7.1620000E+02	1.0279000E-02	3.3648000E-01	3.4588000E-03	1.4580000E-02

7.1630000E+02	1.0127000E-02	3.3656000E-01	3.4084000E-03	1.4367000E-02
7.1640000E+02	9.8845000E-03	3.3665000E-01	3.3276000E-03	1.4027000E-02
7.1650000E+02	9.5482000E-03	3.3673000E-01	3.2152000E-03	1.3553000E-02
7.1660000E+02	9.1257000E-03	3.3682000E-01	3.0737000E-03	1.2956000E-02
7.1670000E+02	8.6337000E-03	3.3691000E-01	2.9088000E-03	1.2261000E-02
7.1680000E+02	8.0976000E-03	3.3699000E-01	2.7288000E-03	1.1503000E-02
7.1690000E+02	7.5480000E-03	3.3708000E-01	2.5443000E-03	1.0725000E-02
7.1700000E+02	7.0186000E-03	3.3716000E-01	2.3664000E-03	9.9749000E-03
7.1710000E+02	6.5423000E-03	3.3724000E-01	2.2063000E-03	9.3002000E-03
7.1720000E+02	6.1486000E-03	3.3733000E-01	2.0741000E-03	8.7427000E-03
7.1730000E+02	5.8605000E-03	3.3741000E-01	1.9774000E-03	8.3351000E-03
7.1740000E+02	5.6923000E-03	3.3749000E-01	1.9211000E-03	8.0978000E-03
7.1750000E+02	6.9518000E-03	3.3757000E-01	2.3468000E-03	9.8921000E-03
7.1760000E+02	6.8088000E-03	3.3766000E-01	2.2991000E-03	9.6912000E-03
7.1770000E+02	6.6627000E-03	3.3777000E-01	2.2504000E-03	9.4860000E-03
7.1780000E+02	6.5115000E-03	3.3787000E-01	2.2000000E-03	9.2736000E-03
7.1790000E+02	6.3536000E-03	3.3797000E-01	2.1473000E-03	9.0515000E-03
7.1800000E+02	6.1879000E-03	3.3807000E-01	2.0920000E-03	8.8182000E-03
7.1810000E+02	6.0137000E-03	3.3833000E-01	2.0346000E-03	8.5762000E-03
7.1820000E+02	5.8306000E-03	3.3858000E-01	1.9741000E-03	8.3214000E-03
7.1830000E+02	5.6392000E-03	3.3883000E-01	1.9107000E-03	8.0542000E-03
7.1840000E+02	5.4405000E-03	3.3909000E-01	1.8448000E-03	7.7762000E-03
7.1850000E+02	5.2361000E-03	3.3934000E-01	1.7768000E-03	7.4897000E-03
7.1860000E+02	5.0284000E-03	3.3959000E-01	1.7076000E-03	7.1979000E-03
7.1870000E+02	4.8201000E-03	3.3985000E-01	1.6381000E-03	6.9049000E-03
7.1880000E+02	4.6146000E-03	3.4010000E-01	1.5694000E-03	6.6155000E-03
7.1890000E+02	4.4155000E-03	3.4035000E-01	1.5028000E-03	6.3348000E-03
7.1900000E+02	4.2267000E-03	3.4061000E-01	1.4397000E-03	6.0685000E-03
7.1910000E+02	4.0521000E-03	3.4086000E-01	1.3812000E-03	5.8220000E-03
7.1920000E+02	3.8953000E-03	3.4111000E-01	1.3287000E-03	5.6009000E-03
7.1930000E+02	3.7599000E-03	3.4136000E-01	1.2835000E-03	5.4102000E-03
7.1940000E+02	3.6488000E-03	3.4161000E-01	1.2465000E-03	5.2541000E-03
7.1950000E+02	0.0000000E+00	3.4187000E-01	0.0000000E+00	0.0000000E+00
Channel 5				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
6.9980000E+02	0.0000000E+00	3.0157000E-01	0.0000000E+00	0.0000000E+00
6.9990000E+02	2.8992000E-03	3.0183000E-01	8.7507000E-04	3.1361000E-03
7.0000000E+02	2.8682000E-03	3.0209000E-01	8.6647000E-04	3.1053000E-03
7.0010000E+02	2.8673000E-03	3.0241000E-01	8.6711000E-04	3.1075000E-03
7.0020000E+02	2.9035000E-03	3.0272000E-01	8.7897000E-04	3.1501000E-03

7.0030000E+02	2.9831000E-03	3.0305000E-01	9.0402000E-04	3.2398000E-03
7.0040000E+02	3.1106000E-03	3.0337000E-01	9.4366000E-04	3.3819000E-03
7.0050000E+02	3.2882000E-03	3.0370000E-01	9.9860000E-04	3.5788000E-03
7.0060000E+02	3.5154000E-03	3.0402000E-01	1.0687000E-03	3.8302000E-03
7.0070000E+02	3.7897000E-03	3.0434000E-01	1.1534000E-03	4.1334000E-03
7.0080000E+02	4.1079000E-03	3.0467000E-01	1.2515000E-03	4.4852000E-03
7.0090000E+02	4.4676000E-03	3.0499000E-01	1.3626000E-03	4.8832000E-03
7.0100000E+02	4.8679000E-03	3.0531000E-01	1.4862000E-03	5.3264000E-03
7.0110000E+02	5.3089000E-03	3.0563000E-01	1.6226000E-03	5.8150000E-03
7.0120000E+02	5.7913000E-03	3.0595000E-01	1.7719000E-03	6.3501000E-03
7.0130000E+02	6.3163000E-03	3.0627000E-01	1.9345000E-03	6.9329000E-03
7.0140000E+02	6.8850000E-03	3.0659000E-01	2.1109000E-03	7.5649000E-03
7.0150000E+02	7.4982000E-03	3.0691000E-01	2.3013000E-03	8.2473000E-03
7.0160000E+02	8.1566000E-03	3.0723000E-01	2.5060000E-03	8.9808000E-03
7.0170000E+02	8.8602000E-03	3.0755000E-01	2.7249000E-03	9.7656000E-03
7.0180000E+02	9.6080000E-03	3.0786000E-01	2.9580000E-03	1.0601000E-02
7.0190000E+02	1.0398000E-02	3.0818000E-01	3.2045000E-03	1.1484000E-02
7.0200000E+02	1.1226000E-02	3.0850000E-01	3.4634000E-03	1.2412000E-02
7.0210000E+02	1.2088000E-02	3.0867000E-01	3.7312000E-03	1.3372000E-02
7.0220000E+02	1.2976000E-02	3.0884000E-01	4.0075000E-03	1.4362000E-02
7.0230000E+02	1.3884000E-02	3.0900000E-01	4.2902000E-03	1.5375000E-02
7.0240000E+02	1.5116000E-02	3.0917000E-01	4.6736000E-03	1.6749000E-02
7.0250000E+02	1.6141000E-02	3.0934000E-01	4.9931000E-03	1.7894000E-02
7.0260000E+02	1.7133000E-02	3.0951000E-01	5.3027000E-03	1.9004000E-02
7.0270000E+02	1.8087000E-02	3.0968000E-01	5.6012000E-03	2.0073000E-02
7.0280000E+02	1.9003000E-02	3.0984000E-01	5.8878000E-03	2.1101000E-02
7.0290000E+02	1.9879000E-02	3.1001000E-01	6.1627000E-03	2.2086000E-02
7.0300000E+02	2.0720000E-02	3.1018000E-01	6.4267000E-03	2.3032000E-02
7.0310000E+02	2.1529000E-02	3.1034000E-01	6.6813000E-03	2.3945000E-02
7.0320000E+02	2.2316000E-02	3.1050000E-01	6.9291000E-03	2.4833000E-02
7.0330000E+02	2.3091000E-02	3.1066000E-01	7.1734000E-03	2.5708000E-02
7.0340000E+02	2.3867000E-02	3.1082000E-01	7.4184000E-03	2.6586000E-02
7.0350000E+02	2.4661000E-02	3.1099000E-01	7.6691000E-03	2.7485000E-02
7.0360000E+02	2.5491000E-02	3.1115000E-01	7.9315000E-03	2.8425000E-02
7.0370000E+02	2.6380000E-02	3.1131000E-01	8.2122000E-03	2.9431000E-02
7.0380000E+02	2.7350000E-02	3.1147000E-01	8.5187000E-03	3.0529000E-02
7.0390000E+02	2.8428000E-02	3.1163000E-01	8.8590000E-03	3.1749000E-02
7.0400000E+02	2.9641000E-02	3.1179000E-01	9.2420000E-03	3.3121000E-02
7.0410000E+02	3.1020000E-02	3.1202000E-01	9.6789000E-03	3.4687000E-02
7.0420000E+02	3.2594000E-02	3.1226000E-01	1.0178000E-02	3.6476000E-02
7.0430000E+02	3.4397000E-02	3.1250000E-01	1.0749000E-02	3.8523000E-02
7.0440000E+02	3.6461000E-02	3.1274000E-01	1.1403000E-02	4.0866000E-02
7.0450000E+02	3.8821000E-02	3.1298000E-01	1.2150000E-02	4.3544000E-02

7.0460000E+02	4.1513000E-02	3.1322000E-01	1.3003000E-02	4.6599000E-02
7.0470000E+02	4.4571000E-02	3.1346000E-01	1.3971000E-02	5.0070000E-02
7.0480000E+02	4.8032000E-02	3.1370000E-01	1.5068000E-02	5.4000000E-02
7.0490000E+02	5.1932000E-02	3.1394000E-01	1.6304000E-02	5.8429000E-02
7.0500000E+02	5.6307000E-02	3.1418000E-01	1.7691000E-02	6.3400000E-02
7.0510000E+02	6.1192000E-02	3.1442000E-01	1.9240000E-02	6.8953000E-02
7.0520000E+02	6.6621000E-02	3.1466000E-01	2.0963000E-02	7.5127000E-02
7.0530000E+02	7.2626000E-02	3.1490000E-01	2.2870000E-02	8.1961000E-02
7.0540000E+02	7.9236000E-02	3.1514000E-01	2.4971000E-02	8.9490000E-02
7.0550000E+02	8.6480000E-02	3.1538000E-01	2.7274000E-02	9.7745000E-02
7.0560000E+02	9.4381000E-02	3.1562000E-01	2.9789000E-02	1.0676000E-01
7.0570000E+02	1.0296000E-01	3.1586000E-01	3.2521000E-02	1.1655000E-01
7.0580000E+02	1.1224000E-01	3.1610000E-01	3.5478000E-02	1.2715000E-01
7.0590000E+02	1.2222000E-01	3.1634000E-01	3.8663000E-02	1.3856000E-01
7.0600000E+02	1.3292000E-01	3.1658000E-01	4.2079000E-02	1.5080000E-01
7.0610000E+02	1.4434000E-01	3.1680000E-01	4.5726000E-02	1.6387000E-01
7.0620000E+02	1.5647000E-01	3.1701000E-01	4.9604000E-02	1.7777000E-01
7.0630000E+02	1.6932000E-01	3.1723000E-01	5.3713000E-02	1.9250000E-01
7.0640000E+02	1.8287000E-01	3.1744000E-01	5.8050000E-02	2.0804000E-01
7.0650000E+02	1.9710000E-01	3.1766000E-01	6.2609000E-02	2.2438000E-01
7.0660000E+02	2.1199000E-01	3.1787000E-01	6.7384000E-02	2.4149000E-01
7.0670000E+02	2.2751000E-01	3.1808000E-01	7.2366000E-02	2.5935000E-01
7.0680000E+02	2.4363000E-01	3.1830000E-01	7.7546000E-02	2.7791000E-01
7.0690000E+02	2.6031000E-01	3.1851000E-01	8.2912000E-02	2.9714000E-01
7.0700000E+02	2.7751000E-01	3.1873000E-01	8.8452000E-02	3.1699000E-01
7.0710000E+02	2.9519000E-01	3.1894000E-01	9.4150000E-02	3.3741000E-01
7.0720000E+02	3.1329000E-01	3.1916000E-01	9.9990000E-02	3.5835000E-01
7.0730000E+02	3.3176000E-01	3.1938000E-01	1.0596000E-01	3.7973000E-01
7.0740000E+02	3.5054000E-01	3.1959000E-01	1.1203000E-01	4.0149000E-01
7.0750000E+02	3.6957000E-01	3.1981000E-01	1.1819000E-01	4.2357000E-01
7.0760000E+02	3.8878000E-01	3.2002000E-01	1.2442000E-01	4.4589000E-01
7.0770000E+02	4.0811000E-01	3.2024000E-01	1.3070000E-01	4.6839000E-01
7.0780000E+02	4.2750000E-01	3.2046000E-01	1.3700000E-01	4.9097000E-01
7.0790000E+02	4.4688000E-01	3.2067000E-01	1.4330000E-01	5.1356000E-01
7.0800000E+02	4.6617000E-01	3.2089000E-01	1.4959000E-01	5.3609000E-01
7.0810000E+02	4.8530000E-01	3.2103000E-01	1.5580000E-01	5.5835000E-01
7.0820000E+02	5.0422000E-01	3.2117000E-01	1.6194000E-01	5.8037000E-01
7.0830000E+02	5.2285000E-01	3.2131000E-01	1.6800000E-01	6.0207000E-01
7.0840000E+02	5.4112000E-01	3.2145000E-01	1.7395000E-01	6.2339000E-01
7.0850000E+02	5.5898000E-01	3.2160000E-01	1.7977000E-01	6.4425000E-01
7.0860000E+02	5.7637000E-01	3.2174000E-01	1.8544000E-01	6.6458000E-01
7.0870000E+02	5.9322000E-01	3.2188000E-01	1.9094000E-01	6.8431000E-01
7.0880000E+02	6.0948000E-01	3.2202000E-01	1.9626000E-01	7.0337000E-01

7.0890000E+02	6.2510000E-01	3.2216000E-01	2.0138000E-01	7.2172000E-01
7.0900000E+02	6.4004000E-01	3.2230000E-01	2.0629000E-01	7.3929000E-01
7.0910000E+02	6.5425000E-01	3.2244000E-01	2.1096000E-01	7.5603000E-01
7.0920000E+02	6.6770000E-01	3.2258000E-01	2.1539000E-01	7.7190000E-01
7.0930000E+02	6.8035000E-01	3.2272000E-01	2.1956000E-01	7.8687000E-01
7.0940000E+02	6.9219000E-01	3.2286000E-01	2.2348000E-01	8.0090000E-01
7.0950000E+02	7.0318000E-01	3.2299000E-01	2.2712000E-01	8.1397000E-01
7.0960000E+02	7.1332000E-01	3.2313000E-01	2.3050000E-01	8.2606000E-01
7.0970000E+02	7.2260000E-01	3.2327000E-01	2.3360000E-01	8.3716000E-01
7.0980000E+02	7.3101000E-01	3.2341000E-01	2.3642000E-01	8.4727000E-01
7.0990000E+02	7.3855000E-01	3.2355000E-01	2.3896000E-01	8.5637000E-01
7.1000000E+02	7.4523000E-01	3.2368000E-01	2.4122000E-01	8.6448000E-01
7.1010000E+02	7.5106000E-01	3.2392000E-01	2.4329000E-01	8.7189000E-01
7.1020000E+02	7.5606000E-01	3.2416000E-01	2.4509000E-01	8.7835000E-01
7.1030000E+02	7.6026000E-01	3.2440000E-01	2.4663000E-01	8.8388000E-01
7.1040000E+02	7.6367000E-01	3.2465000E-01	2.4792000E-01	8.8850000E-01
7.1050000E+02	7.6633000E-01	3.2489000E-01	2.4897000E-01	8.9226000E-01
7.1060000E+02	7.6827000E-01	3.2513000E-01	2.4979000E-01	8.9519000E-01
7.1070000E+02	7.6954000E-01	3.2537000E-01	2.5038000E-01	8.9732000E-01
7.1080000E+02	7.7016000E-01	3.2561000E-01	2.5077000E-01	8.9872000E-01
7.1090000E+02	7.7019000E-01	3.2585000E-01	2.5097000E-01	8.9942000E-01
7.1100000E+02	7.6967000E-01	3.2609000E-01	2.5098000E-01	8.9947000E-01
7.1110000E+02	7.6865000E-01	3.2633000E-01	2.5083000E-01	8.9893000E-01
7.1120000E+02	7.6717000E-01	3.2656000E-01	2.5053000E-01	8.9785000E-01
7.1130000E+02	7.6529000E-01	3.2680000E-01	2.5010000E-01	8.9629000E-01
7.1140000E+02	7.6305000E-01	3.2704000E-01	2.4954000E-01	8.9432000E-01
7.1150000E+02	7.6050000E-01	3.2727000E-01	2.4889000E-01	8.9198000E-01
7.1160000E+02	7.5770000E-01	3.2751000E-01	2.4815000E-01	8.8934000E-01
7.1170000E+02	7.5468000E-01	3.2775000E-01	2.4735000E-01	8.8644000E-01
7.1180000E+02	7.5151000E-01	3.2799000E-01	2.4648000E-01	8.8335000E-01
7.1190000E+02	7.4822000E-01	3.2823000E-01	2.4558000E-01	8.8012000E-01
7.1200000E+02	7.4485000E-01	3.2847000E-01	2.4466000E-01	8.7681000E-01
7.1210000E+02	7.4146000E-01	3.2868000E-01	2.4370000E-01	8.7339000E-01
7.1220000E+02	7.3807000E-01	3.2890000E-01	2.4275000E-01	8.6997000E-01
7.1230000E+02	7.3472000E-01	3.2912000E-01	2.4181000E-01	8.6660000E-01
7.1240000E+02	7.3146000E-01	3.2933000E-01	2.4089000E-01	8.6332000E-01
7.1250000E+02	7.2830000E-01	3.2955000E-01	2.4001000E-01	8.6016000E-01
7.1260000E+02	7.2529000E-01	3.2977000E-01	2.3918000E-01	8.5716000E-01
7.1270000E+02	7.2243000E-01	3.2999000E-01	2.3839000E-01	8.5435000E-01
7.1280000E+02	7.1976000E-01	3.3020000E-01	2.3767000E-01	8.5176000E-01
7.1290000E+02	7.1729000E-01	3.3042000E-01	2.3701000E-01	8.4940000E-01
7.1300000E+02	7.1504000E-01	3.3064000E-01	2.3642000E-01	8.4729000E-01
7.1310000E+02	7.1303000E-01	3.3086000E-01	2.3591000E-01	8.4547000E-01

7.1320000E+02	7.1125000E-01	3.3108000E-01	2.3548000E-01	8.4393000E-01
7.1330000E+02	7.0972000E-01	3.3131000E-01	2.3514000E-01	8.4268000E-01
7.1340000E+02	7.0844000E-01	3.3153000E-01	2.3487000E-01	8.4173000E-01
7.1350000E+02	7.0742000E-01	3.3175000E-01	2.3469000E-01	8.4107000E-01
7.1360000E+02	7.0665000E-01	3.3198000E-01	2.3459000E-01	8.4072000E-01
7.1370000E+02	7.0613000E-01	3.3220000E-01	2.3457000E-01	8.4067000E-01
7.1380000E+02	7.0585000E-01	3.3243000E-01	2.3465000E-01	8.4093000E-01
7.1390000E+02	7.0580000E-01	3.3267000E-01	2.3480000E-01	8.4147000E-01
7.1400000E+02	7.0599000E-01	3.3290000E-01	2.3503000E-01	8.4229000E-01
7.1410000E+02	7.0639000E-01	3.3307000E-01	2.3528000E-01	8.4320000E-01
7.1420000E+02	7.0700000E-01	3.3324000E-01	2.3560000E-01	8.4436000E-01
7.1430000E+02	7.0781000E-01	3.3341000E-01	2.3599000E-01	8.4575000E-01
7.1440000E+02	7.0879000E-01	3.3358000E-01	2.3644000E-01	8.4736000E-01
7.1450000E+02	7.0994000E-01	3.3375000E-01	2.3694000E-01	8.4916000E-01
7.1460000E+02	7.1125000E-01	3.3392000E-01	2.3750000E-01	8.5115000E-01
7.1470000E+02	7.1269000E-01	3.3409000E-01	2.3810000E-01	8.5331000E-01
7.1480000E+02	7.1425000E-01	3.3426000E-01	2.3875000E-01	8.5562000E-01
7.1490000E+02	7.1593000E-01	3.3443000E-01	2.3943000E-01	8.5806000E-01
7.1500000E+02	7.1770000E-01	3.3460000E-01	2.4014000E-01	8.6062000E-01
7.1510000E+02	7.1955000E-01	3.3477000E-01	2.4088000E-01	8.6328000E-01
7.1520000E+02	7.2147000E-01	3.3494000E-01	2.4165000E-01	8.6603000E-01
7.1530000E+02	7.2344000E-01	3.3511000E-01	2.4244000E-01	8.6884000E-01
7.1540000E+02	7.2546000E-01	3.3528000E-01	2.4324000E-01	8.7171000E-01
7.1550000E+02	7.2752000E-01	3.3546000E-01	2.4405000E-01	8.7463000E-01
7.1560000E+02	7.2959000E-01	3.3563000E-01	2.4487000E-01	8.7757000E-01
7.1570000E+02	7.3168000E-01	3.3580000E-01	2.4570000E-01	8.8053000E-01
7.1580000E+02	7.3378000E-01	3.3597000E-01	2.4653000E-01	8.8350000E-01
7.1590000E+02	7.3588000E-01	3.3614000E-01	2.4735000E-01	8.8647000E-01
7.1600000E+02	7.3796000E-01	3.3630000E-01	2.4818000E-01	8.8943000E-01
7.1610000E+02	7.4004000E-01	3.3639000E-01	2.4894000E-01	8.9216000E-01
7.1620000E+02	7.4209000E-01	3.3648000E-01	2.4970000E-01	8.9487000E-01
7.1630000E+02	7.4413000E-01	3.3656000E-01	2.5045000E-01	8.9755000E-01
7.1640000E+02	7.4614000E-01	3.3665000E-01	2.5119000E-01	9.0021000E-01
7.1650000E+02	7.4813000E-01	3.3673000E-01	2.5192000E-01	9.0283000E-01
7.1660000E+02	7.5009000E-01	3.3682000E-01	2.5264000E-01	9.0543000E-01
7.1670000E+02	7.5202000E-01	3.3691000E-01	2.5336000E-01	9.0799000E-01
7.1680000E+02	7.5392000E-01	3.3699000E-01	2.5406000E-01	9.1052000E-01
7.1690000E+02	7.5580000E-01	3.3708000E-01	2.5476000E-01	9.1302000E-01
7.1700000E+02	7.5765000E-01	3.3716000E-01	2.5545000E-01	9.1549000E-01
7.1710000E+02	7.5948000E-01	3.3724000E-01	2.5613000E-01	9.1792000E-01
7.1720000E+02	7.6129000E-01	3.3733000E-01	2.5680000E-01	9.2033000E-01
7.1730000E+02	7.6307000E-01	3.3741000E-01	2.5747000E-01	9.2271000E-01
7.1740000E+02	7.6484000E-01	3.3749000E-01	2.5813000E-01	9.2508000E-01

7.1750000E+02	7.6660000E-01	3.3757000E-01	2.5878000E-01	9.2743000E-01
7.1760000E+02	7.6834000E-01	3.3766000E-01	2.5944000E-01	9.2979000E-01
7.1770000E+02	7.7008000E-01	3.3777000E-01	2.6011000E-01	9.3217000E-01
7.1780000E+02	7.7181000E-01	3.3787000E-01	2.6077000E-01	9.3455000E-01
7.1790000E+02	7.7353000E-01	3.3797000E-01	2.6143000E-01	9.3692000E-01
7.1800000E+02	7.7526000E-01	3.3807000E-01	2.6209000E-01	9.3929000E-01
7.1810000E+02	7.7698000E-01	3.3833000E-01	2.6287000E-01	9.4209000E-01
7.1820000E+02	7.7871000E-01	3.3858000E-01	2.6365000E-01	9.4489000E-01
7.1830000E+02	7.8044000E-01	3.3883000E-01	2.6444000E-01	9.4770000E-01
7.1840000E+02	7.8218000E-01	3.3909000E-01	2.6522000E-01	9.5051000E-01
7.1850000E+02	7.8391000E-01	3.3934000E-01	2.6601000E-01	9.5334000E-01
7.1860000E+02	7.8566000E-01	3.3959000E-01	2.6680000E-01	9.5617000E-01
7.1870000E+02	7.8740000E-01	3.3985000E-01	2.6759000E-01	9.5900000E-01
7.1880000E+02	7.8914000E-01	3.4010000E-01	2.6839000E-01	9.6184000E-01
7.1890000E+02	7.9087000E-01	3.4035000E-01	2.6918000E-01	9.6467000E-01
7.1900000E+02	7.9260000E-01	3.4061000E-01	2.6996000E-01	9.6750000E-01
7.1910000E+02	7.9431000E-01	3.4086000E-01	2.7075000E-01	9.7030000E-01
7.1920000E+02	7.9600000E-01	3.4111000E-01	2.7152000E-01	9.7308000E-01
7.1930000E+02	7.9766000E-01	3.4136000E-01	2.7229000E-01	9.7583000E-01
7.1940000E+02	7.9928000E-01	3.4161000E-01	2.7304000E-01	9.7854000E-01
7.1950000E+02	8.0086000E-01	3.4187000E-01	2.7379000E-01	9.8120000E-01
7.1960000E+02	8.0237000E-01	3.4216000E-01	2.7454000E-01	9.8389000E-01
7.1970000E+02	8.0381000E-01	3.4245000E-01	2.7527000E-01	9.8650000E-01
7.1980000E+02	8.0517000E-01	3.4274000E-01	2.7596000E-01	9.8900000E-01
7.1990000E+02	8.0642000E-01	3.4303000E-01	2.7663000E-01	9.9139000E-01
7.2000000E+02	8.0756000E-01	3.4332000E-01	2.7726000E-01	9.9363000E-01
7.2010000E+02	8.0856000E-01	3.4345000E-01	2.7770000E-01	9.9523000E-01
7.2020000E+02	8.0941000E-01	3.4358000E-01	2.7810000E-01	9.9665000E-01
7.2030000E+02	8.1009000E-01	3.4371000E-01	2.7843000E-01	9.9785000E-01
7.2040000E+02	8.1057000E-01	3.4384000E-01	2.7870000E-01	9.9882000E-01
7.2050000E+02	8.1084000E-01	3.4396000E-01	2.7890000E-01	9.9951000E-01
7.2060000E+02	8.1086000E-01	3.4409000E-01	2.7901000E-01	9.9992000E-01
7.2070000E+02	8.1063000E-01	3.4422000E-01	2.7903000E-01	1.0000000E+00
7.2080000E+02	8.1011000E-01	3.4435000E-01	2.7896000E-01	9.9973000E-01
7.2090000E+02	8.0928000E-01	3.4447000E-01	2.7877000E-01	9.9907000E-01
7.2100000E+02	8.0811000E-01	3.4460000E-01	2.7848000E-01	9.9801000E-01
7.2110000E+02	8.0659000E-01	3.4473000E-01	2.7805000E-01	9.9649000E-01
7.2120000E+02	8.0468000E-01	3.4485000E-01	2.7750000E-01	9.9449000E-01
7.2130000E+02	8.0236000E-01	3.4498000E-01	2.7680000E-01	9.9199000E-01
7.2140000E+02	7.9961000E-01	3.4511000E-01	2.7595000E-01	9.8895000E-01
7.2150000E+02	7.9639000E-01	3.4525000E-01	2.7496000E-01	9.8539000E-01
7.2160000E+02	7.9270000E-01	3.4540000E-01	2.7380000E-01	9.8124000E-01
7.2170000E+02	7.8851000E-01	3.4555000E-01	2.7247000E-01	9.7647000E-01

7.2180000E+02	7.8379000E-01	3.4570000E-01	2.7095000E-01	9.7105000E-01
7.2190000E+02	7.7853000E-01	3.4584000E-01	2.6925000E-01	9.6494000E-01
7.2200000E+02	7.7271000E-01	3.4599000E-01	2.6735000E-01	9.5814000E-01
7.2210000E+02	7.6632000E-01	3.4610000E-01	2.6523000E-01	9.5052000E-01
7.2220000E+02	7.5933000E-01	3.4622000E-01	2.6289000E-01	9.4216000E-01
7.2230000E+02	7.5175000E-01	3.4633000E-01	2.6035000E-01	9.3305000E-01
7.2240000E+02	7.4356000E-01	3.4644000E-01	2.5760000E-01	9.2318000E-01
7.2250000E+02	7.3475000E-01	3.4655000E-01	2.5463000E-01	9.1254000E-01
7.2260000E+02	7.2533000E-01	3.4666000E-01	2.5144000E-01	9.0112000E-01
7.2270000E+02	7.1529000E-01	3.4677000E-01	2.4804000E-01	8.8893000E-01
7.2280000E+02	7.0464000E-01	3.4688000E-01	2.4443000E-01	8.7597000E-01
7.2290000E+02	6.9337000E-01	3.4699000E-01	2.4060000E-01	8.6225000E-01
7.2300000E+02	6.8151000E-01	3.4710000E-01	2.3656000E-01	8.4777000E-01
7.2310000E+02	6.6907000E-01	3.4721000E-01	2.3231000E-01	8.3255000E-01
7.2320000E+02	6.5605000E-01	3.4733000E-01	2.2786000E-01	8.1662000E-01
7.2330000E+02	6.4249000E-01	3.4744000E-01	2.2322000E-01	7.9999000E-01
7.2340000E+02	6.2840000E-01	3.4756000E-01	2.1840000E-01	7.8271000E-01
7.2350000E+02	6.1380000E-01	3.4768000E-01	2.1341000E-01	7.6482000E-01
7.2360000E+02	5.9874000E-01	3.4781000E-01	2.0825000E-01	7.4632000E-01
7.2370000E+02	5.8323000E-01	3.4794000E-01	2.0293000E-01	7.2725000E-01
7.2380000E+02	5.6732000E-01	3.4806000E-01	1.9746000E-01	7.0767000E-01
7.2390000E+02	5.5104000E-01	3.4819000E-01	1.9187000E-01	6.8762000E-01
7.2400000E+02	5.3443000E-01	3.4832000E-01	1.8615000E-01	6.6714000E-01
7.2410000E+02	5.1754000E-01	3.4854000E-01	1.8038000E-01	6.4646000E-01
7.2420000E+02	5.0040000E-01	3.4876000E-01	1.7452000E-01	6.2544000E-01
7.2430000E+02	4.8307000E-01	3.4898000E-01	1.6858000E-01	6.0416000E-01
7.2440000E+02	4.6558000E-01	3.4920000E-01	1.6258000E-01	5.8266000E-01
7.2450000E+02	4.4799000E-01	3.4942000E-01	1.5654000E-01	5.6100000E-01
7.2460000E+02	4.3034000E-01	3.4964000E-01	1.5047000E-01	5.3925000E-01
7.2470000E+02	4.1269000E-01	3.4986000E-01	1.4439000E-01	5.1746000E-01
7.2480000E+02	3.9509000E-01	3.5009000E-01	1.3831000E-01	4.9569000E-01
7.2490000E+02	3.7757000E-01	3.5031000E-01	1.3226000E-01	4.7401000E-01
7.2500000E+02	3.6019000E-01	3.5053000E-01	1.2626000E-01	4.5247000E-01
7.2510000E+02	3.4299000E-01	3.5075000E-01	1.2030000E-01	4.3114000E-01
7.2520000E+02	3.2603000E-01	3.5097000E-01	1.1443000E-01	4.1008000E-01
7.2530000E+02	3.0934000E-01	3.5119000E-01	1.0864000E-01	3.8933000E-01
7.2540000E+02	2.9296000E-01	3.5142000E-01	1.0295000E-01	3.6896000E-01
7.2550000E+02	2.7694000E-01	3.5165000E-01	9.7387000E-02	3.4901000E-01
7.2560000E+02	2.6132000E-01	3.5187000E-01	9.1952000E-02	3.2954000E-01
7.2570000E+02	2.4612000E-01	3.5210000E-01	8.6660000E-02	3.1057000E-01
7.2580000E+02	2.3138000E-01	3.5233000E-01	8.1524000E-02	2.9217000E-01
7.2590000E+02	2.1713000E-01	3.5256000E-01	7.6553000E-02	2.7435000E-01
7.2600000E+02	2.0340000E-01	3.5279000E-01	7.1756000E-02	2.5716000E-01

7.2610000E+02	1.9020000E-01	3.5303000E-01	6.7146000E-02	2.4064000E-01
7.2620000E+02	1.7755000E-01	3.5328000E-01	6.2724000E-02	2.2479000E-01
7.2630000E+02	1.6547000E-01	3.5352000E-01	5.8498000E-02	2.0964000E-01
7.2640000E+02	1.5397000E-01	3.5377000E-01	5.4470000E-02	1.9521000E-01
7.2650000E+02	1.4306000E-01	3.5401000E-01	5.0644000E-02	1.8150000E-01
7.2660000E+02	1.3274000E-01	3.5426000E-01	4.7023000E-02	1.6852000E-01
7.2670000E+02	1.2301000E-01	3.5450000E-01	4.3606000E-02	1.5627000E-01
7.2680000E+02	1.1386000E-01	3.5475000E-01	4.0393000E-02	1.4476000E-01
7.2690000E+02	1.0530000E-01	3.5500000E-01	3.7381000E-02	1.3397000E-01
7.2700000E+02	9.7311000E-02	3.5524000E-01	3.4569000E-02	1.2389000E-01
7.2710000E+02	8.9880000E-02	3.5549000E-01	3.1951000E-02	1.1451000E-01
7.2720000E+02	8.2993000E-02	3.5573000E-01	2.9523000E-02	1.0581000E-01
7.2730000E+02	7.6632000E-02	3.5598000E-01	2.7279000E-02	9.7763000E-02
7.2740000E+02	7.0776000E-02	3.5623000E-01	2.5212000E-02	9.0355000E-02
7.2750000E+02	6.5403000E-02	3.5647000E-01	2.3315000E-02	8.3555000E-02
7.2760000E+02	6.0491000E-02	3.5672000E-01	2.1579000E-02	7.7333000E-02
7.2770000E+02	5.6015000E-02	3.5697000E-01	1.9995000E-02	7.1660000E-02
7.2780000E+02	5.1947000E-02	3.5722000E-01	1.8556000E-02	6.6502000E-02
7.2790000E+02	4.8263000E-02	3.5746000E-01	1.7252000E-02	6.1829000E-02
7.2800000E+02	4.4936000E-02	3.5771000E-01	1.6074000E-02	5.7606000E-02
7.2810000E+02	4.1939000E-02	3.5791000E-01	1.5010000E-02	5.3795000E-02
7.2820000E+02	3.9245000E-02	3.5812000E-01	1.4055000E-02	5.0369000E-02
7.2830000E+02	3.6830000E-02	3.5832000E-01	1.3197000E-02	4.7295000E-02
7.2840000E+02	3.4666000E-02	3.5853000E-01	1.2429000E-02	4.4543000E-02
7.2850000E+02	3.2731000E-02	3.5873000E-01	1.1742000E-02	4.2079000E-02
7.2860000E+02	3.0998000E-02	3.5894000E-01	1.1126000E-02	3.9875000E-02
7.2870000E+02	2.9445000E-02	3.5914000E-01	1.0575000E-02	3.7899000E-02
7.2880000E+02	2.8050000E-02	3.5935000E-01	1.0080000E-02	3.6123000E-02
7.2890000E+02	2.6790000E-02	3.5955000E-01	9.6322000E-03	3.4520000E-02
7.2900000E+02	2.5644000E-02	3.5975000E-01	9.2256000E-03	3.3063000E-02
7.2910000E+02	2.4594000E-02	3.5995000E-01	8.8527000E-03	3.1726000E-02
7.2920000E+02	2.3620000E-02	3.6015000E-01	8.5069000E-03	3.0487000E-02
7.2930000E+02	2.2707000E-02	3.6034000E-01	8.1822000E-03	2.9323000E-02
7.2940000E+02	2.1838000E-02	3.6053000E-01	7.8733000E-03	2.8216000E-02
7.2950000E+02	2.1001000E-02	3.6072000E-01	7.5754000E-03	2.7149000E-02
7.2960000E+02	2.0183000E-02	3.6091000E-01	7.2843000E-03	2.6105000E-02
7.2970000E+02	1.9375000E-02	3.6111000E-01	6.9964000E-03	2.5074000E-02
7.2980000E+02	1.8570000E-02	3.6130000E-01	6.7091000E-03	2.4044000E-02
7.2990000E+02	1.7761000E-02	3.6149000E-01	6.4203000E-03	2.3009000E-02
7.3000000E+02	1.6957000E-02	3.6168000E-01	6.1331000E-03	2.1980000E-02
7.3010000E+02	1.6123000E-02	3.6178000E-01	5.8330000E-03	2.0904000E-02
7.3020000E+02	1.5308000E-02	3.6189000E-01	5.5399000E-03	1.9854000E-02
7.3030000E+02	1.4514000E-02	3.6199000E-01	5.2537000E-03	1.8828000E-02

7.3040000E+02	1.3738000E-02	3.6209000E-01	4.9746000E-03	1.7828000E-02
7.3050000E+02	1.2985000E-02	3.6219000E-01	4.7029000E-03	1.6854000E-02
7.3060000E+02	1.2253000E-02	3.6230000E-01	4.4393000E-03	1.5910000E-02
7.3070000E+02	1.1547000E-02	3.6240000E-01	4.1846000E-03	1.4997000E-02
7.3080000E+02	1.0867000E-02	3.6250000E-01	3.9394000E-03	1.4118000E-02
7.3090000E+02	1.0216000E-02	3.6261000E-01	3.7045000E-03	1.3276000E-02
7.3100000E+02	9.5955000E-03	3.6271000E-01	3.4804000E-03	1.2473000E-02
7.3110000E+02	9.0058000E-03	3.6281000E-01	3.2674000E-03	1.1710000E-02
7.3120000E+02	8.4479000E-03	3.6292000E-01	3.0659000E-03	1.0988000E-02
7.3130000E+02	7.9220000E-03	3.6303000E-01	2.8759000E-03	1.0307000E-02
7.3140000E+02	7.4278000E-03	3.6314000E-01	2.6973000E-03	9.6667000E-03
7.3150000E+02	6.9651000E-03	3.6324000E-01	2.5300000E-03	9.0671000E-03
7.3160000E+02	6.5332000E-03	3.6335000E-01	2.3738000E-03	8.5073000E-03
7.3170000E+02	6.1314000E-03	3.6346000E-01	2.2285000E-03	7.9865000E-03
7.3180000E+02	5.7592000E-03	3.6356000E-01	2.0938000E-03	7.5039000E-03
7.3190000E+02	5.4163000E-03	3.6367000E-01	1.9697000E-03	7.0592000E-03
7.3200000E+02	5.1026000E-03	3.6378000E-01	1.8562000E-03	6.6523000E-03
7.3210000E+02	4.8185000E-03	3.6404000E-01	1.7541000E-03	6.2864000E-03
7.3220000E+02	4.5648000E-03	3.6430000E-01	1.6630000E-03	5.9597000E-03
7.3230000E+02	4.3423000E-03	3.6456000E-01	1.5830000E-03	5.6732000E-03
7.3240000E+02	4.1515000E-03	3.6482000E-01	1.5145000E-03	5.4278000E-03
7.3250000E+02	3.9922000E-03	3.6508000E-01	1.4575000E-03	5.2233000E-03
7.3260000E+02	3.8636000E-03	3.6534000E-01	1.4115000E-03	5.0586000E-03
7.3270000E+02	3.7639000E-03	3.6560000E-01	1.3761000E-03	4.9316000E-03
7.3280000E+02	3.6909000E-03	3.6586000E-01	1.3503000E-03	4.8394000E-03
7.3290000E+02	3.6422000E-03	3.6612000E-01	1.3335000E-03	4.7789000E-03
7.3300000E+02	3.6152000E-03	3.6638000E-01	1.3245000E-03	4.7469000E-03
7.3310000E+02	3.6076000E-03	3.6665000E-01	1.3227000E-03	4.7404000E-03
7.3320000E+02	0.0000000E+00	3.6693000E-01	0.0000000E+00	0.0000000E+00
Channel 6				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.1120000E+02	0.0000000E+00	3.2656000E-01	0.0000000E+00	0.0000000E+00
7.1130000E+02	3.3994000E-03	3.2680000E-01	1.1109000E-03	3.7949000E-03
7.1140000E+02	3.4382000E-03	3.2704000E-01	1.1244000E-03	3.8410000E-03
7.1150000E+02	3.5492000E-03	3.2727000E-01	1.1616000E-03	3.9678000E-03
7.1160000E+02	3.7288000E-03	3.2751000E-01	1.2212000E-03	4.1716000E-03
7.1170000E+02	3.9695000E-03	3.2775000E-01	1.3010000E-03	4.4442000E-03
7.1180000E+02	4.2606000E-03	3.2799000E-01	1.3974000E-03	4.7736000E-03
7.1190000E+02	4.5888000E-03	3.2823000E-01	1.5061000E-03	5.1450000E-03
7.1200000E+02	4.9386000E-03	3.2847000E-01	1.6222000E-03	5.5413000E-03

7.1210000E+02	5.2941000E-03	3.2868000E-01	1.7401000E-03	5.9441000E-03
7.1220000E+02	5.6394000E-03	3.2890000E-01	1.8548000E-03	6.3360000E-03
7.1230000E+02	5.9601000E-03	3.2912000E-01	1.9616000E-03	6.7006000E-03
7.1240000E+02	6.2438000E-03	3.2933000E-01	2.0563000E-03	7.0243000E-03
7.1250000E+02	6.4813000E-03	3.2955000E-01	2.1359000E-03	7.2963000E-03
7.1260000E+02	6.6665000E-03	3.2977000E-01	2.1984000E-03	7.5097000E-03
7.1270000E+02	6.7968000E-03	3.2999000E-01	2.2429000E-03	7.6616000E-03
7.1280000E+02	6.8734000E-03	3.3020000E-01	2.2696000E-03	7.7530000E-03
7.1290000E+02	6.9004000E-03	3.3042000E-01	2.2801000E-03	7.7886000E-03
7.1300000E+02	6.8853000E-03	3.3064000E-01	2.2766000E-03	7.7766000E-03
7.1310000E+02	6.8374000E-03	3.3086000E-01	2.2622000E-03	7.7278000E-03
7.1320000E+02	6.7679000E-03	3.3108000E-01	2.2408000E-03	7.6543000E-03
7.1330000E+02	6.6885000E-03	3.3131000E-01	2.2159000E-03	7.5696000E-03
7.1340000E+02	6.6107000E-03	3.3153000E-01	2.1916000E-03	7.4866000E-03
7.1350000E+02	6.5449000E-03	3.3175000E-01	2.1713000E-03	7.4170000E-03
7.1360000E+02	6.4997000E-03	3.3198000E-01	2.1577000E-03	7.3708000E-03
7.1370000E+02	6.4815000E-03	3.3220000E-01	2.1532000E-03	7.3551000E-03
7.1380000E+02	6.4938000E-03	3.3243000E-01	2.1588000E-03	7.3743000E-03
7.1390000E+02	6.5374000E-03	3.3267000E-01	2.1748000E-03	7.4290000E-03
7.1400000E+02	6.6103000E-03	3.3290000E-01	2.2006000E-03	7.5172000E-03
7.1410000E+02	6.7080000E-03	3.3307000E-01	2.2343000E-03	7.6322000E-03
7.1420000E+02	6.8241000E-03	3.3324000E-01	2.2741000E-03	7.7682000E-03
7.1430000E+02	6.9508000E-03	3.3341000E-01	2.3175000E-03	7.9164000E-03
7.1440000E+02	7.0797000E-03	3.3358000E-01	2.3617000E-03	8.0674000E-03
7.1450000E+02	7.2028000E-03	3.3375000E-01	2.4039000E-03	8.2118000E-03
7.1460000E+02	7.3129000E-03	3.3392000E-01	2.4419000E-03	8.3416000E-03
7.1470000E+02	7.4048000E-03	3.3409000E-01	2.4739000E-03	8.4506000E-03
7.1480000E+02	7.4753000E-03	3.3426000E-01	2.4987000E-03	8.5355000E-03
7.1490000E+02	7.5242000E-03	3.3443000E-01	2.5163000E-03	8.5957000E-03
7.1500000E+02	7.5540000E-03	3.3460000E-01	2.5276000E-03	8.6341000E-03
7.1510000E+02	7.5702000E-03	3.3477000E-01	2.5343000E-03	8.6571000E-03
7.1520000E+02	7.5810000E-03	3.3494000E-01	2.5392000E-03	8.6738000E-03
7.1530000E+02	7.5966000E-03	3.3511000E-01	2.5457000E-03	8.6961000E-03
7.1540000E+02	7.6290000E-03	3.3528000E-01	2.5579000E-03	8.7377000E-03
7.1550000E+02	7.6913000E-03	3.3546000E-01	2.5801000E-03	8.8135000E-03
7.1560000E+02	7.7965000E-03	3.3563000E-01	2.6167000E-03	8.9386000E-03
7.1570000E+02	7.9567000E-03	3.3580000E-01	2.6719000E-03	9.1270000E-03
7.1580000E+02	8.1830000E-03	3.3597000E-01	2.7492000E-03	9.3912000E-03
7.1590000E+02	8.4839000E-03	3.3614000E-01	2.8517000E-03	9.7414000E-03
7.1600000E+02	8.8653000E-03	3.3630000E-01	2.9814000E-03	1.0184000E-02
7.1610000E+02	9.3301000E-03	3.3639000E-01	3.1385000E-03	1.0721000E-02
7.1620000E+02	9.8780000E-03	3.3648000E-01	3.3237000E-03	1.1354000E-02
7.1630000E+02	1.0506000E-02	3.3656000E-01	3.5358000E-03	1.2078000E-02

7.1640000E+02	1.1206000E-02	3.3665000E-01	3.7726000E-03	1.2887000E-02
7.1650000E+02	1.1682000E-02	3.3673000E-01	3.9338000E-03	1.3438000E-02
7.1660000E+02	1.2577000E-02	3.3682000E-01	4.2363000E-03	1.4471000E-02
7.1670000E+02	1.3515000E-02	3.3691000E-01	4.5532000E-03	1.5554000E-02
7.1680000E+02	1.4479000E-02	3.3699000E-01	4.8792000E-03	1.6667000E-02
7.1690000E+02	1.5454000E-02	3.3708000E-01	5.2091000E-03	1.7794000E-02
7.1700000E+02	1.6426000E-02	3.3716000E-01	5.5384000E-03	1.8919000E-02
7.1710000E+02	1.7387000E-02	3.3724000E-01	5.8637000E-03	2.0030000E-02
7.1720000E+02	1.8329000E-02	3.3733000E-01	6.1828000E-03	2.1120000E-02
7.1730000E+02	1.9250000E-02	3.3741000E-01	6.4951000E-03	2.2187000E-02
7.1740000E+02	2.0153000E-02	3.3749000E-01	6.8016000E-03	2.3234000E-02
7.1750000E+02	2.1045000E-02	3.3757000E-01	7.1044000E-03	2.4268000E-02
7.1760000E+02	2.1938000E-02	3.3766000E-01	7.4076000E-03	2.5304000E-02
7.1770000E+02	2.2845000E-02	3.3777000E-01	7.7164000E-03	2.6359000E-02
7.1780000E+02	2.3785000E-02	3.3787000E-01	8.0362000E-03	2.7452000E-02
7.1790000E+02	2.4777000E-02	3.3797000E-01	8.3738000E-03	2.8605000E-02
7.1800000E+02	2.5840000E-02	3.3807000E-01	8.7358000E-03	2.9841000E-02
7.1810000E+02	2.6994000E-02	3.3833000E-01	9.1328000E-03	3.1197000E-02
7.1820000E+02	2.8258000E-02	3.3858000E-01	9.5674000E-03	3.2682000E-02
7.1830000E+02	2.9647000E-02	3.3883000E-01	1.0045000E-02	3.4314000E-02
7.1840000E+02	3.1174000E-02	3.3909000E-01	1.0571000E-02	3.6109000E-02
7.1850000E+02	3.2851000E-02	3.3934000E-01	1.1148000E-02	3.8080000E-02
7.1860000E+02	3.4686000E-02	3.3959000E-01	1.1779000E-02	4.0237000E-02
7.1870000E+02	3.6682000E-02	3.3985000E-01	1.2466000E-02	4.2585000E-02
7.1880000E+02	3.8845000E-02	3.4010000E-01	1.3211000E-02	4.5129000E-02
7.1890000E+02	4.1176000E-02	3.4035000E-01	1.4014000E-02	4.7873000E-02
7.1900000E+02	4.3677000E-02	3.4061000E-01	1.4877000E-02	5.0818000E-02
7.1910000E+02	4.6350000E-02	3.4086000E-01	1.5799000E-02	5.3968000E-02
7.1920000E+02	4.9200000E-02	3.4111000E-01	1.6782000E-02	5.7328000E-02
7.1930000E+02	5.2231000E-02	3.4136000E-01	1.7830000E-02	6.0905000E-02
7.1940000E+02	5.5452000E-02	3.4161000E-01	1.8943000E-02	6.4709000E-02
7.1950000E+02	5.8875000E-02	3.4187000E-01	2.0127000E-02	6.8754000E-02
7.1960000E+02	6.2514000E-02	3.4216000E-01	2.1390000E-02	7.3066000E-02
7.1970000E+02	6.6387000E-02	3.4245000E-01	2.2734000E-02	7.7659000E-02
7.1980000E+02	7.0515000E-02	3.4274000E-01	2.4168000E-02	8.2558000E-02
7.1990000E+02	7.4921000E-02	3.4303000E-01	2.5700000E-02	8.7792000E-02
7.2000000E+02	7.9631000E-02	3.4332000E-01	2.7339000E-02	9.3390000E-02
7.2010000E+02	8.4670000E-02	3.4345000E-01	2.9080000E-02	9.9337000E-02
7.2020000E+02	9.0063000E-02	3.4358000E-01	3.0944000E-02	1.0570000E-01
7.2030000E+02	9.5834000E-02	3.4371000E-01	3.2939000E-02	1.1252000E-01
7.2040000E+02	1.0200000E-01	3.4384000E-01	3.5072000E-02	1.1981000E-01
7.2050000E+02	1.0859000E-01	3.4396000E-01	3.7351000E-02	1.2759000E-01
7.2060000E+02	1.1561000E-01	3.4409000E-01	3.9779000E-02	1.3588000E-01

7.2070000E+02	1.2306000E-01	3.4422000E-01	4.2361000E-02	1.4470000E-01
7.2080000E+02	1.3097000E-01	3.4435000E-01	4.5098000E-02	1.5405000E-01
7.2090000E+02	1.3931000E-01	3.4447000E-01	4.7989000E-02	1.6393000E-01
7.2100000E+02	1.4810000E-01	3.4460000E-01	5.1034000E-02	1.7433000E-01
7.2110000E+02	1.5731000E-01	3.4473000E-01	5.4230000E-02	1.8525000E-01
7.2120000E+02	1.6695000E-01	3.4485000E-01	5.7573000E-02	1.9667000E-01
7.2130000E+02	1.7699000E-01	3.4498000E-01	6.1057000E-02	2.0857000E-01
7.2140000E+02	1.8742000E-01	3.4511000E-01	6.4678000E-02	2.2094000E-01
7.2150000E+02	1.9821000E-01	3.4525000E-01	6.8433000E-02	2.3377000E-01
7.2160000E+02	2.0937000E-01	3.4540000E-01	7.2315000E-02	2.4703000E-01
7.2170000E+02	2.2086000E-01	3.4555000E-01	7.6316000E-02	2.6069000E-01
7.2180000E+02	2.3267000E-01	3.4570000E-01	8.0432000E-02	2.7475000E-01
7.2190000E+02	2.4479000E-01	3.4584000E-01	8.4658000E-02	2.8919000E-01
7.2200000E+02	2.5720000E-01	3.4599000E-01	8.8988000E-02	3.0398000E-01
7.2210000E+02	2.6989000E-01	3.4610000E-01	9.3410000E-02	3.1909000E-01
7.2220000E+02	2.8285000E-01	3.4622000E-01	9.7927000E-02	3.3452000E-01
7.2230000E+02	2.9607000E-01	3.4633000E-01	1.0254000E-01	3.5026000E-01
7.2240000E+02	3.0952000E-01	3.4644000E-01	1.0723000E-01	3.6629000E-01
7.2250000E+02	3.2320000E-01	3.4655000E-01	1.1201000E-01	3.8261000E-01
7.2260000E+02	3.3709000E-01	3.4666000E-01	1.1685000E-01	3.9917000E-01
7.2270000E+02	3.5116000E-01	3.4677000E-01	1.2177000E-01	4.1597000E-01
7.2280000E+02	3.6538000E-01	3.4688000E-01	1.2674000E-01	4.3296000E-01
7.2290000E+02	3.7974000E-01	3.4699000E-01	1.3177000E-01	4.5011000E-01
7.2300000E+02	3.9418000E-01	3.4710000E-01	1.3682000E-01	4.6737000E-01
7.2310000E+02	4.0867000E-01	3.4721000E-01	1.4189000E-01	4.8471000E-01
7.2320000E+02	4.2316000E-01	3.4733000E-01	1.4697000E-01	5.0206000E-01
7.2330000E+02	4.3761000E-01	3.4744000E-01	1.5204000E-01	5.1937000E-01
7.2340000E+02	4.5196000E-01	3.4756000E-01	1.5708000E-01	5.3659000E-01
7.2350000E+02	4.6617000E-01	3.4768000E-01	1.6208000E-01	5.5366000E-01
7.2360000E+02	4.8018000E-01	3.4781000E-01	1.6701000E-01	5.7050000E-01
7.2370000E+02	4.9393000E-01	3.4794000E-01	1.7186000E-01	5.8705000E-01
7.2380000E+02	5.0738000E-01	3.4806000E-01	1.7660000E-01	6.0326000E-01
7.2390000E+02	5.2048000E-01	3.4819000E-01	1.8123000E-01	6.1907000E-01
7.2400000E+02	5.3320000E-01	3.4832000E-01	1.8572000E-01	6.3442000E-01
7.2410000E+02	5.4549000E-01	3.4854000E-01	1.9012000E-01	6.4945000E-01
7.2420000E+02	5.5732000E-01	3.4876000E-01	1.9437000E-01	6.6397000E-01
7.2430000E+02	5.6868000E-01	3.4898000E-01	1.9846000E-01	6.7793000E-01
7.2440000E+02	5.7955000E-01	3.4920000E-01	2.0238000E-01	6.9133000E-01
7.2450000E+02	5.8993000E-01	3.4942000E-01	2.0613000E-01	7.0415000E-01
7.2460000E+02	5.9980000E-01	3.4964000E-01	2.0972000E-01	7.1639000E-01
7.2470000E+02	6.0918000E-01	3.4986000E-01	2.1313000E-01	7.2805000E-01
7.2480000E+02	6.1808000E-01	3.5009000E-01	2.1638000E-01	7.3915000E-01
7.2490000E+02	6.2650000E-01	3.5031000E-01	2.1947000E-01	7.4970000E-01

7.2500000E+02	6.3447000E-01	3.5053000E-01	2.2240000E-01	7.5971000E-01
7.2510000E+02	6.4201000E-01	3.5075000E-01	2.2519000E-01	7.6923000E-01
7.2520000E+02	6.4914000E-01	3.5097000E-01	2.2783000E-01	7.7826000E-01
7.2530000E+02	6.5589000E-01	3.5119000E-01	2.3034000E-01	7.8684000E-01
7.2540000E+02	6.6227000E-01	3.5142000E-01	2.3273000E-01	7.9501000E-01
7.2550000E+02	6.6830000E-01	3.5165000E-01	2.3501000E-01	8.0278000E-01
7.2560000E+02	6.7402000E-01	3.5187000E-01	2.3717000E-01	8.1017000E-01
7.2570000E+02	6.7944000E-01	3.5210000E-01	2.3923000E-01	8.1721000E-01
7.2580000E+02	6.8458000E-01	3.5233000E-01	2.4120000E-01	8.2392000E-01
7.2590000E+02	6.8945000E-01	3.5256000E-01	2.4307000E-01	8.3033000E-01
7.2600000E+02	6.9407000E-01	3.5279000E-01	2.4486000E-01	8.3644000E-01
7.2610000E+02	6.9846000E-01	3.5303000E-01	2.4658000E-01	8.4231000E-01
7.2620000E+02	7.0264000E-01	3.5328000E-01	2.4823000E-01	8.4793000E-01
7.2630000E+02	7.0661000E-01	3.5352000E-01	2.4980000E-01	8.5331000E-01
7.2640000E+02	7.1038000E-01	3.5377000E-01	2.5131000E-01	8.5847000E-01
7.2650000E+02	7.1398000E-01	3.5401000E-01	2.5276000E-01	8.6341000E-01
7.2660000E+02	7.1741000E-01	3.5426000E-01	2.5415000E-01	8.6816000E-01
7.2670000E+02	7.2068000E-01	3.5450000E-01	2.5549000E-01	8.7273000E-01
7.2680000E+02	7.2381000E-01	3.5475000E-01	2.5677000E-01	8.7713000E-01
7.2690000E+02	7.2681000E-01	3.5500000E-01	2.5802000E-01	8.8137000E-01
7.2700000E+02	7.2969000E-01	3.5524000E-01	2.5922000E-01	8.8548000E-01
7.2710000E+02	7.3245000E-01	3.5549000E-01	2.6038000E-01	8.8944000E-01
7.2720000E+02	7.3512000E-01	3.5573000E-01	2.6150000E-01	8.9329000E-01
7.2730000E+02	7.3769000E-01	3.5598000E-01	2.6260000E-01	8.9704000E-01
7.2740000E+02	7.4018000E-01	3.5623000E-01	2.6367000E-01	9.0069000E-01
7.2750000E+02	7.4259000E-01	3.5647000E-01	2.6471000E-01	9.0425000E-01
7.2760000E+02	7.4493000E-01	3.5672000E-01	2.6573000E-01	9.0773000E-01
7.2770000E+02	7.4720000E-01	3.5697000E-01	2.6673000E-01	9.1113000E-01
7.2780000E+02	7.4942000E-01	3.5722000E-01	2.6770000E-01	9.1447000E-01
7.2790000E+02	7.5159000E-01	3.5746000E-01	2.6866000E-01	9.1775000E-01
7.2800000E+02	7.5370000E-01	3.5771000E-01	2.6961000E-01	9.2097000E-01
7.2810000E+02	7.5577000E-01	3.5791000E-01	2.7050000E-01	9.2403000E-01
7.2820000E+02	7.5780000E-01	3.5812000E-01	2.7138000E-01	9.2704000E-01
7.2830000E+02	7.5979000E-01	3.5832000E-01	2.7225000E-01	9.3001000E-01
7.2840000E+02	7.6175000E-01	3.5853000E-01	2.7311000E-01	9.3294000E-01
7.2850000E+02	7.6368000E-01	3.5873000E-01	2.7396000E-01	9.3584000E-01
7.2860000E+02	7.6559000E-01	3.5894000E-01	2.7480000E-01	9.3870000E-01
7.2870000E+02	7.6747000E-01	3.5914000E-01	2.7563000E-01	9.4155000E-01
7.2880000E+02	7.6933000E-01	3.5935000E-01	2.7646000E-01	9.4437000E-01
7.2890000E+02	7.7118000E-01	3.5955000E-01	2.7728000E-01	9.4717000E-01
7.2900000E+02	7.7300000E-01	3.5975000E-01	2.7809000E-01	9.4995000E-01
7.2910000E+02	7.7481000E-01	3.5995000E-01	2.7889000E-01	9.5269000E-01
7.2920000E+02	7.7659000E-01	3.6015000E-01	2.7969000E-01	9.5540000E-01

7.2930000E+02	7.7833000E-01	3.6034000E-01	2.8047000E-01	9.5806000E-01
7.2940000E+02	7.8005000E-01	3.6053000E-01	2.8123000E-01	9.6068000E-01
7.2950000E+02	7.8171000E-01	3.6072000E-01	2.8198000E-01	9.6324000E-01
7.2960000E+02	7.8332000E-01	3.6091000E-01	2.8271000E-01	9.6574000E-01
7.2970000E+02	7.8487000E-01	3.6111000E-01	2.8342000E-01	9.6815000E-01
7.2980000E+02	7.8633000E-01	3.6130000E-01	2.8410000E-01	9.7047000E-01
7.2990000E+02	7.8771000E-01	3.6149000E-01	2.8475000E-01	9.7268000E-01
7.3000000E+02	7.8898000E-01	3.6168000E-01	2.8536000E-01	9.7477000E-01
7.3010000E+02	7.9014000E-01	3.6178000E-01	2.8586000E-01	9.7648000E-01
7.3020000E+02	7.9119000E-01	3.6189000E-01	2.8632000E-01	9.7806000E-01
7.3030000E+02	7.9211000E-01	3.6199000E-01	2.8673000E-01	9.7948000E-01
7.3040000E+02	7.9291000E-01	3.6209000E-01	2.8710000E-01	9.8074000E-01
7.3050000E+02	7.9358000E-01	3.6219000E-01	2.8743000E-01	9.8185000E-01
7.3060000E+02	7.9414000E-01	3.6230000E-01	2.8771000E-01	9.8282000E-01
7.3070000E+02	7.9458000E-01	3.6240000E-01	2.8796000E-01	9.8365000E-01
7.3080000E+02	7.9493000E-01	3.6250000E-01	2.8817000E-01	9.8436000E-01
7.3090000E+02	7.9519000E-01	3.6261000E-01	2.8834000E-01	9.8497000E-01
7.3100000E+02	7.9539000E-01	3.6271000E-01	2.8849000E-01	9.8549000E-01
7.3110000E+02	7.9553000E-01	3.6281000E-01	2.8863000E-01	9.8595000E-01
7.3120000E+02	7.9563000E-01	3.6292000E-01	2.8875000E-01	9.8637000E-01
7.3130000E+02	7.9572000E-01	3.6303000E-01	2.8887000E-01	9.8677000E-01
7.3140000E+02	7.9581000E-01	3.6314000E-01	2.8899000E-01	9.8717000E-01
7.3150000E+02	7.9590000E-01	3.6324000E-01	2.8911000E-01	9.8758000E-01
7.3160000E+02	7.9602000E-01	3.6335000E-01	2.8923000E-01	9.8801000E-01
7.3170000E+02	7.9616000E-01	3.6346000E-01	2.8937000E-01	9.8847000E-01
7.3180000E+02	7.9632000E-01	3.6356000E-01	2.8951000E-01	9.8897000E-01
7.3190000E+02	7.9652000E-01	3.6367000E-01	2.8967000E-01	9.8951000E-01
7.3200000E+02	7.9673000E-01	3.6378000E-01	2.8983000E-01	9.9006000E-01
7.3210000E+02	7.9697000E-01	3.6404000E-01	2.9012000E-01	9.9106000E-01
7.3220000E+02	7.9720000E-01	3.6430000E-01	2.9042000E-01	9.9205000E-01
7.3230000E+02	7.9742000E-01	3.6456000E-01	2.9070000E-01	9.9304000E-01
7.3240000E+02	7.9762000E-01	3.6482000E-01	2.9098000E-01	9.9399000E-01
7.3250000E+02	7.9778000E-01	3.6508000E-01	2.9125000E-01	9.9490000E-01
7.3260000E+02	7.9789000E-01	3.6534000E-01	2.9150000E-01	9.9575000E-01
7.3270000E+02	7.9794000E-01	3.6560000E-01	2.9172000E-01	9.9652000E-01
7.3280000E+02	7.9791000E-01	3.6586000E-01	2.9192000E-01	9.9720000E-01
7.3290000E+02	7.9781000E-01	3.6612000E-01	2.9209000E-01	9.9779000E-01
7.3300000E+02	7.9763000E-01	3.6638000E-01	2.9224000E-01	9.9827000E-01
7.3310000E+02	7.9738000E-01	3.6665000E-01	2.9236000E-01	9.9870000E-01
7.3320000E+02	7.9705000E-01	3.6693000E-01	2.9246000E-01	9.9903000E-01
7.3330000E+02	7.9665000E-01	3.6720000E-01	2.9253000E-01	9.9928000E-01
7.3340000E+02	7.9621000E-01	3.6748000E-01	2.9259000E-01	9.9947000E-01
7.3350000E+02	7.9572000E-01	3.6775000E-01	2.9262000E-01	9.9959000E-01

7.3360000E+02	7.9520000E-01	3.6802000E-01	2.9265000E-01	9.9969000E-01
7.3370000E+02	7.9466000E-01	3.6830000E-01	2.9267000E-01	9.9976000E-01
7.3380000E+02	7.9412000E-01	3.6857000E-01	2.9269000E-01	9.9982000E-01
7.3390000E+02	7.9359000E-01	3.6885000E-01	2.9271000E-01	9.9990000E-01
7.3400000E+02	7.9308000E-01	3.6912000E-01	2.9274000E-01	1.0000000E+00
7.3410000E+02	7.9259000E-01	3.6927000E-01	2.9268000E-01	9.9980000E-01
7.3420000E+02	7.9213000E-01	3.6943000E-01	2.9263000E-01	9.9963000E-01
7.3430000E+02	7.9169000E-01	3.6958000E-01	2.9259000E-01	9.9949000E-01
7.3440000E+02	7.9127000E-01	3.6973000E-01	2.9256000E-01	9.9938000E-01
7.3450000E+02	7.9087000E-01	3.6989000E-01	2.9253000E-01	9.9928000E-01
7.3460000E+02	7.9048000E-01	3.7004000E-01	2.9251000E-01	9.9919000E-01
7.3470000E+02	7.9007000E-01	3.7019000E-01	2.9248000E-01	9.9910000E-01
7.3480000E+02	7.8965000E-01	3.7034000E-01	2.9244000E-01	9.9897000E-01
7.3490000E+02	7.8919000E-01	3.7050000E-01	2.9239000E-01	9.9881000E-01
7.3500000E+02	7.8868000E-01	3.7065000E-01	2.9233000E-01	9.9859000E-01
7.3510000E+02	7.8811000E-01	3.7081000E-01	2.9224000E-01	9.9827000E-01
7.3520000E+02	7.8746000E-01	3.7096000E-01	2.9212000E-01	9.9786000E-01
7.3530000E+02	7.8672000E-01	3.7111000E-01	2.9196000E-01	9.9733000E-01
7.3540000E+02	7.8588000E-01	3.7126000E-01	2.9177000E-01	9.9668000E-01
7.3550000E+02	7.8493000E-01	3.7142000E-01	2.9153000E-01	9.9587000E-01
7.3560000E+02	7.8385000E-01	3.7157000E-01	2.9125000E-01	9.9491000E-01
7.3570000E+02	7.8264000E-01	3.7172000E-01	2.9092000E-01	9.9379000E-01
7.3580000E+02	7.8129000E-01	3.7187000E-01	2.9054000E-01	9.9248000E-01
7.3590000E+02	7.7978000E-01	3.7203000E-01	2.9010000E-01	9.9097000E-01
7.3600000E+02	7.7812000E-01	3.7218000E-01	2.8960000E-01	9.8926000E-01
7.3610000E+02	7.7628000E-01	3.7229000E-01	2.8900000E-01	9.8721000E-01
7.3620000E+02	7.7425000E-01	3.7240000E-01	2.8833000E-01	9.8492000E-01
7.3630000E+02	7.7201000E-01	3.7251000E-01	2.8758000E-01	9.8236000E-01
7.3640000E+02	7.6954000E-01	3.7261000E-01	2.8674000E-01	9.7950000E-01
7.3650000E+02	7.6682000E-01	3.7272000E-01	2.8581000E-01	9.7633000E-01
7.3660000E+02	7.6382000E-01	3.7283000E-01	2.8478000E-01	9.7279000E-01
7.3670000E+02	7.6051000E-01	3.7294000E-01	2.8363000E-01	9.6886000E-01
7.3680000E+02	7.5687000E-01	3.7305000E-01	2.8235000E-01	9.6450000E-01
7.3690000E+02	7.5286000E-01	3.7316000E-01	2.8094000E-01	9.5968000E-01
7.3700000E+02	7.4844000E-01	3.7328000E-01	2.7938000E-01	9.5434000E-01
7.3710000E+02	7.4359000E-01	3.7339000E-01	2.7765000E-01	9.4845000E-01
7.3720000E+02	7.3828000E-01	3.7351000E-01	2.7575000E-01	9.4197000E-01
7.3730000E+02	7.3247000E-01	3.7362000E-01	2.7367000E-01	9.3485000E-01
7.3740000E+02	7.2615000E-01	3.7374000E-01	2.7139000E-01	9.2706000E-01
7.3750000E+02	7.1929000E-01	3.7385000E-01	2.6891000E-01	9.1858000E-01
7.3760000E+02	7.1187000E-01	3.7397000E-01	2.6622000E-01	9.0939000E-01
7.3770000E+02	7.0388000E-01	3.7409000E-01	2.6331000E-01	8.9946000E-01
7.3780000E+02	6.9531000E-01	3.7420000E-01	2.6019000E-01	8.8879000E-01

7.3790000E+02	6.8617000E-01	3.7432000E-01	2.5685000E-01	8.7738000E-01
7.3800000E+02	6.7645000E-01	3.7443000E-01	2.5329000E-01	8.6522000E-01
7.3810000E+02	6.6616000E-01	3.7467000E-01	2.4959000E-01	8.5259000E-01
7.3820000E+02	6.5532000E-01	3.7490000E-01	2.4568000E-01	8.3923000E-01
7.3830000E+02	6.4393000E-01	3.7513000E-01	2.4156000E-01	8.2516000E-01
7.3840000E+02	6.3202000E-01	3.7537000E-01	2.3724000E-01	8.1041000E-01
7.3850000E+02	6.1962000E-01	3.7560000E-01	2.3273000E-01	7.9500000E-01
7.3860000E+02	6.0674000E-01	3.7584000E-01	2.2803000E-01	7.7896000E-01
7.3870000E+02	5.9341000E-01	3.7607000E-01	2.2316000E-01	7.6232000E-01
7.3880000E+02	5.7967000E-01	3.7630000E-01	2.1813000E-01	7.4513000E-01
7.3890000E+02	5.6554000E-01	3.7654000E-01	2.1295000E-01	7.2742000E-01
7.3900000E+02	5.5106000E-01	3.7677000E-01	2.0763000E-01	7.0924000E-01
7.3910000E+02	5.3627000E-01	3.7701000E-01	2.0218000E-01	6.9063000E-01
7.3920000E+02	5.2119000E-01	3.7725000E-01	1.9662000E-01	6.7163000E-01
7.3930000E+02	5.0586000E-01	3.7748000E-01	1.9095000E-01	6.5230000E-01
7.3940000E+02	4.9033000E-01	3.7772000E-01	1.8521000E-01	6.3267000E-01
7.3950000E+02	4.7464000E-01	3.7796000E-01	1.7939000E-01	6.1280000E-01
7.3960000E+02	4.5882000E-01	3.7820000E-01	1.7352000E-01	5.9275000E-01
7.3970000E+02	4.4291000E-01	3.7843000E-01	1.6761000E-01	5.7257000E-01
7.3980000E+02	4.2697000E-01	3.7867000E-01	1.6168000E-01	5.5231000E-01
7.3990000E+02	4.1104000E-01	3.7891000E-01	1.5575000E-01	5.3203000E-01
7.4000000E+02	3.9515000E-01	3.7915000E-01	1.4982000E-01	5.1179000E-01
7.4010000E+02	3.7936000E-01	3.7939000E-01	1.4393000E-01	4.9165000E-01
7.4020000E+02	3.6371000E-01	3.7964000E-01	1.3808000E-01	4.7167000E-01
7.4030000E+02	3.4823000E-01	3.7989000E-01	1.3229000E-01	4.5189000E-01
7.4040000E+02	3.3297000E-01	3.8013000E-01	1.2657000E-01	4.3237000E-01
7.4050000E+02	3.1797000E-01	3.8038000E-01	1.2095000E-01	4.1315000E-01
7.4060000E+02	3.0325000E-01	3.8063000E-01	1.1543000E-01	3.9429000E-01
7.4070000E+02	2.8887000E-01	3.8087000E-01	1.1002000E-01	3.7583000E-01
7.4080000E+02	2.7483000E-01	3.8112000E-01	1.0474000E-01	3.5780000E-01
7.4090000E+02	2.6117000E-01	3.8137000E-01	9.9602000E-02	3.4024000E-01
7.4100000E+02	2.4791000E-01	3.8161000E-01	9.4605000E-02	3.2317000E-01
7.4110000E+02	2.3506000E-01	3.8186000E-01	8.9761000E-02	3.0662000E-01
7.4120000E+02	2.2264000E-01	3.8210000E-01	8.5074000E-02	2.9061000E-01
7.4130000E+02	2.1067000E-01	3.8235000E-01	8.0550000E-02	2.7516000E-01
7.4140000E+02	1.9915000E-01	3.8260000E-01	7.6192000E-02	2.6027000E-01
7.4150000E+02	1.8808000E-01	3.8284000E-01	7.2003000E-02	2.4596000E-01
7.4160000E+02	1.7747000E-01	3.8309000E-01	6.7986000E-02	2.3224000E-01
7.4170000E+02	1.6732000E-01	3.8333000E-01	6.4140000E-02	2.1910000E-01
7.4180000E+02	1.5764000E-01	3.8358000E-01	6.0468000E-02	2.0656000E-01
7.4190000E+02	1.4843000E-01	3.8382000E-01	5.6970000E-02	1.9461000E-01
7.4200000E+02	1.3968000E-01	3.8407000E-01	5.3645000E-02	1.8325000E-01
7.4210000E+02	1.3139000E-01	3.8433000E-01	5.0496000E-02	1.7249000E-01

7.4220000E+02	1.2355000E-01	3.8460000E-01	4.7518000E-02	1.6232000E-01
7.4230000E+02	1.1617000E-01	3.8486000E-01	4.4710000E-02	1.5273000E-01
7.4240000E+02	1.0924000E-01	3.8512000E-01	4.2070000E-02	1.4371000E-01
7.4250000E+02	1.0274000E-01	3.8539000E-01	3.9594000E-02	1.3525000E-01
7.4260000E+02	9.6665000E-02	3.8565000E-01	3.7279000E-02	1.2734000E-01
7.4270000E+02	9.1002000E-02	3.8591000E-01	3.5118000E-02	1.1996000E-01
7.4280000E+02	8.5733000E-02	3.8616000E-01	3.3107000E-02	1.1309000E-01
7.4290000E+02	8.0840000E-02	3.8642000E-01	3.1238000E-02	1.0671000E-01
7.4300000E+02	7.6300000E-02	3.8667000E-01	2.9503000E-02	1.0078000E-01
7.4310000E+02	7.2088000E-02	3.8693000E-01	2.7893000E-02	9.5281000E-02
7.4320000E+02	6.8180000E-02	3.8718000E-01	2.6398000E-02	9.0175000E-02
7.4330000E+02	6.4546000E-02	3.8744000E-01	2.5007000E-02	8.5425000E-02
7.4340000E+02	6.1159000E-02	3.8769000E-01	2.3711000E-02	8.0995000E-02
7.4350000E+02	5.7989000E-02	3.8795000E-01	2.2497000E-02	7.6848000E-02
7.4360000E+02	5.5009000E-02	3.8820000E-01	2.1355000E-02	7.2947000E-02
7.4370000E+02	5.2192000E-02	3.8846000E-01	2.0275000E-02	6.9257000E-02
7.4380000E+02	4.9516000E-02	3.8872000E-01	1.9248000E-02	6.5750000E-02
7.4390000E+02	4.6960000E-02	3.8897000E-01	1.8266000E-02	6.2396000E-02
7.4400000E+02	4.4506000E-02	3.8923000E-01	1.7323000E-02	5.9174000E-02
7.4410000E+02	4.2141000E-02	3.8952000E-01	1.6415000E-02	5.6072000E-02
7.4420000E+02	3.9858000E-02	3.8980000E-01	1.5537000E-02	5.3073000E-02
7.4430000E+02	3.7651000E-02	3.9009000E-01	1.4687000E-02	5.0171000E-02
7.4440000E+02	3.5519000E-02	3.9038000E-01	1.3866000E-02	4.7366000E-02
7.4450000E+02	3.3465000E-02	3.9067000E-01	1.3074000E-02	4.4659000E-02
7.4460000E+02	3.1494000E-02	3.9096000E-01	1.2313000E-02	4.2060000E-02
7.4470000E+02	2.9613000E-02	3.9125000E-01	1.1586000E-02	3.9578000E-02
7.4480000E+02	2.7831000E-02	3.9155000E-01	1.0897000E-02	3.7224000E-02
7.4490000E+02	2.6157000E-02	3.9184000E-01	1.0249000E-02	3.5011000E-02
7.4500000E+02	2.4600000E-02	3.9213000E-01	9.6463000E-03	3.2952000E-02
7.4510000E+02	2.3166000E-02	3.9243000E-01	9.0909000E-03	3.1054000E-02
7.4520000E+02	2.1861000E-02	3.9272000E-01	8.5854000E-03	2.9327000E-02
7.4530000E+02	2.0688000E-02	3.9302000E-01	8.1307000E-03	2.7774000E-02
7.4540000E+02	1.9646000E-02	3.9331000E-01	7.7268000E-03	2.6395000E-02
7.4550000E+02	1.8730000E-02	3.9360000E-01	7.3723000E-03	2.5184000E-02
7.4560000E+02	1.7935000E-02	3.9390000E-01	7.0645000E-03	2.4132000E-02
7.4570000E+02	1.7249000E-02	3.9419000E-01	6.7996000E-03	2.3227000E-02
7.4580000E+02	1.6662000E-02	3.9449000E-01	6.5728000E-03	2.2452000E-02
7.4590000E+02	1.6157000E-02	3.9478000E-01	6.3785000E-03	2.1789000E-02
7.4600000E+02	1.5721000E-02	3.9508000E-01	6.2110000E-03	2.1217000E-02
7.4610000E+02	1.5338000E-02	3.9528000E-01	6.0628000E-03	2.0710000E-02
7.4620000E+02	1.4993000E-02	3.9549000E-01	5.9294000E-03	2.0255000E-02
7.4630000E+02	1.4671000E-02	3.9570000E-01	5.8053000E-03	1.9831000E-02
7.4640000E+02	1.4360000E-02	3.9590000E-01	5.6852000E-03	1.9421000E-02

7.4650000E+02	1.4049000E-02	3.9611000E-01	5.5650000E-03	1.9010000E-02
7.4660000E+02	1.3729000E-02	3.9633000E-01	5.4412000E-03	1.8587000E-02
7.4670000E+02	1.3393000E-02	3.9654000E-01	5.3110000E-03	1.8142000E-02
7.4680000E+02	1.3037000E-02	3.9676000E-01	5.1726000E-03	1.7670000E-02
7.4690000E+02	1.2659000E-02	3.9698000E-01	5.0253000E-03	1.7166000E-02
7.4700000E+02	1.2259000E-02	3.9719000E-01	4.8692000E-03	1.6633000E-02
7.4710000E+02	1.1839000E-02	3.9741000E-01	4.7050000E-03	1.6072000E-02
7.4720000E+02	1.1403000E-02	3.9763000E-01	4.5342000E-03	1.5489000E-02
7.4730000E+02	1.0955000E-02	3.9785000E-01	4.3584000E-03	1.4888000E-02
7.4740000E+02	1.0500000E-02	3.9807000E-01	4.1796000E-03	1.4277000E-02
7.4750000E+02	1.0042000E-02	3.9829000E-01	3.9997000E-03	1.3663000E-02
7.4760000E+02	9.5865000E-03	3.9851000E-01	3.8203000E-03	1.3050000E-02
7.4770000E+02	9.1354000E-03	3.9873000E-01	3.6425000E-03	1.2443000E-02
7.4780000E+02	8.6911000E-03	3.9895000E-01	3.4673000E-03	1.1844000E-02
7.4790000E+02	8.2544000E-03	3.9917000E-01	3.2949000E-03	1.1255000E-02
7.4800000E+02	7.8257000E-03	3.9938000E-01	3.1255000E-03	1.0676000E-02
7.4810000E+02	7.4044000E-03	3.9975000E-01	2.9599000E-03	1.0111000E-02
7.4820000E+02	6.9902000E-03	4.0012000E-01	2.7969000E-03	9.5543000E-03
7.4830000E+02	6.5828000E-03	4.0049000E-01	2.6364000E-03	9.0058000E-03
7.4840000E+02	6.1825000E-03	4.0086000E-01	2.4783000E-03	8.4660000E-03
7.4850000E+02	5.7900000E-03	4.0123000E-01	2.3232000E-03	7.9359000E-03
7.4860000E+02	5.4067000E-03	4.0161000E-01	2.1714000E-03	7.4173000E-03
7.4870000E+02	5.0342000E-03	4.0198000E-01	2.0237000E-03	6.9128000E-03
7.4880000E+02	4.6744000E-03	4.0236000E-01	1.8808000E-03	6.4247000E-03
7.4890000E+02	4.3292000E-03	4.0273000E-01	1.7435000E-03	5.9558000E-03
7.4900000E+02	4.0006000E-03	4.0311000E-01	1.6127000E-03	5.5088000E-03
7.4910000E+02	3.6901000E-03	4.0348000E-01	1.4889000E-03	5.0860000E-03
7.4920000E+02	3.3997000E-03	4.0386000E-01	1.3730000E-03	4.6902000E-03
7.4930000E+02	3.1312000E-03	4.0423000E-01	1.2657000E-03	4.3237000E-03
7.4940000E+02	2.8868000E-03	4.0461000E-01	1.1680000E-03	3.9900000E-03
7.4950000E+02	2.6688000E-03	4.0498000E-01	1.0808000E-03	3.6920000E-03
7.4960000E+02	2.4791000E-03	4.0536000E-01	1.0049000E-03	3.4328000E-03
7.4970000E+02	2.3190000E-03	4.0574000E-01	9.4090000E-04	3.2141000E-03
7.4980000E+02	2.1880000E-03	4.0611000E-01	8.8859000E-04	3.0354000E-03
7.4990000E+02	2.0835000E-03	4.0649000E-01	8.4690000E-04	2.8930000E-03
7.5000000E+02	2.0002000E-03	4.0687000E-01	8.1383000E-04	2.7800000E-03
7.5010000E+02	1.9697000E-03	4.0712000E-01	8.0191000E-04	2.7393000E-03
7.5020000E+02	1.8802000E-03	4.0737000E-01	7.6592000E-04	2.6164000E-03
7.5030000E+02	1.7971000E-03	4.0762000E-01	7.3252000E-04	2.5023000E-03
7.5040000E+02	1.7182000E-03	4.0787000E-01	7.0080000E-04	2.3939000E-03
7.5050000E+02	1.6421000E-03	4.0812000E-01	6.7019000E-04	2.2893000E-03
7.5060000E+02	1.5684000E-03	4.0836000E-01	6.4049000E-04	2.1879000E-03
7.5070000E+02	1.4974000E-03	4.0861000E-01	6.1185000E-04	2.0901000E-03

7.5080000E+02	0.0000000E+00	4.0885000E-01	0.0000000E+00	0.0000000E+00
Channel 7				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.2840000E+02	0.0000000E+00	3.5873000E-01	0.0000000E+00	0.0000000E+00
7.2850000E+02	3.1336000E-03	3.5873000E-01	1.1241000E-03	3.3078000E-03
7.2860000E+02	3.2189000E-03	3.5894000E-01	1.1554000E-03	3.3997000E-03
7.2870000E+02	3.3090000E-03	3.5914000E-01	1.1884000E-03	3.4969000E-03
7.2880000E+02	3.4027000E-03	3.5935000E-01	1.2227000E-03	3.5980000E-03
7.2890000E+02	3.4988000E-03	3.5955000E-01	1.2580000E-03	3.7016000E-03
7.2900000E+02	3.5959000E-03	3.5975000E-01	1.2936000E-03	3.8066000E-03
7.2910000E+02	3.6931000E-03	3.5995000E-01	1.3293000E-03	3.9116000E-03
7.2920000E+02	3.7893000E-03	3.6015000E-01	1.3647000E-03	4.0157000E-03
7.2930000E+02	3.8838000E-03	3.6034000E-01	1.3995000E-03	4.1181000E-03
7.2940000E+02	3.9763000E-03	3.6053000E-01	1.4336000E-03	4.2183000E-03
7.2950000E+02	4.0663000E-03	3.6072000E-01	1.4668000E-03	4.3161000E-03
7.2960000E+02	4.1541000E-03	3.6091000E-01	1.4993000E-03	4.4116000E-03
7.2970000E+02	4.2399000E-03	3.6111000E-01	1.5310000E-03	4.5051000E-03
7.2980000E+02	4.3242000E-03	3.6130000E-01	1.5623000E-03	4.5972000E-03
7.2990000E+02	4.4080000E-03	3.6149000E-01	1.5934000E-03	4.6888000E-03
7.3000000E+02	4.4921000E-03	3.6168000E-01	1.6247000E-03	4.7807000E-03
7.3010000E+02	4.5775000E-03	3.6178000E-01	1.6561000E-03	4.8730000E-03
7.3020000E+02	4.6654000E-03	3.6189000E-01	1.6883000E-03	4.9680000E-03
7.3030000E+02	4.7568000E-03	3.6199000E-01	1.7219000E-03	5.0667000E-03
7.3040000E+02	4.8526000E-03	3.6209000E-01	1.7571000E-03	5.1703000E-03
7.3050000E+02	4.9538000E-03	3.6219000E-01	1.7942000E-03	5.2796000E-03
7.3060000E+02	5.0609000E-03	3.6230000E-01	1.8336000E-03	5.3953000E-03
7.3070000E+02	5.1744000E-03	3.6240000E-01	1.8752000E-03	5.5179000E-03
7.3080000E+02	5.2945000E-03	3.6250000E-01	1.9193000E-03	5.6476000E-03
7.3090000E+02	5.4211000E-03	3.6261000E-01	1.9657000E-03	5.7843000E-03
7.3100000E+02	5.5540000E-03	3.6271000E-01	2.0145000E-03	5.9277000E-03
7.3110000E+02	5.6927000E-03	3.6281000E-01	2.0654000E-03	6.0775000E-03
7.3120000E+02	5.8366000E-03	3.6292000E-01	2.1182000E-03	6.2330000E-03
7.3130000E+02	5.9850000E-03	3.6303000E-01	2.1727000E-03	6.3933000E-03
7.3140000E+02	6.1372000E-03	3.6314000E-01	2.2286000E-03	6.5579000E-03
7.3150000E+02	6.2926000E-03	3.6324000E-01	2.2857000E-03	6.7259000E-03
7.3160000E+02	6.4507000E-03	3.6335000E-01	2.3438000E-03	6.8969000E-03
7.3170000E+02	6.6111000E-03	3.6346000E-01	2.4028000E-03	7.0705000E-03
7.3180000E+02	6.7738000E-03	3.6356000E-01	2.4627000E-03	7.2466000E-03
7.3190000E+02	6.9391000E-03	3.6367000E-01	2.5235000E-03	7.4256000E-03
7.3200000E+02	7.1075000E-03	3.6378000E-01	2.5855000E-03	7.6081000E-03

7.3210000E+02	7.4757000E-03	3.6404000E-01	2.7214000E-03	8.0079000E-03
7.3220000E+02	7.5969000E-03	3.6430000E-01	2.7675000E-03	8.1435000E-03
7.3230000E+02	7.7023000E-03	3.6456000E-01	2.8079000E-03	8.2624000E-03
7.3240000E+02	7.7976000E-03	3.6482000E-01	2.8447000E-03	8.3706000E-03
7.3250000E+02	7.8899000E-03	3.6508000E-01	2.8804000E-03	8.4758000E-03
7.3260000E+02	7.9877000E-03	3.6534000E-01	2.9182000E-03	8.5869000E-03
7.3270000E+02	8.0997000E-03	3.6560000E-01	2.9612000E-03	8.7136000E-03
7.3280000E+02	8.2351000E-03	3.6586000E-01	3.0129000E-03	8.8655000E-03
7.3290000E+02	8.4024000E-03	3.6612000E-01	3.0763000E-03	9.0521000E-03
7.3300000E+02	8.6092000E-03	3.6638000E-01	3.1542000E-03	9.2815000E-03
7.3310000E+02	8.8618000E-03	3.6665000E-01	3.2492000E-03	9.5609000E-03
7.3320000E+02	9.1644000E-03	3.6693000E-01	3.3627000E-03	9.8949000E-03
7.3330000E+02	9.5196000E-03	3.6720000E-01	3.4956000E-03	1.0286000E-02
7.3340000E+02	9.9275000E-03	3.6748000E-01	3.6481000E-03	1.0735000E-02
7.3350000E+02	1.0386000E-02	3.6775000E-01	3.8194000E-03	1.1239000E-02
7.3360000E+02	1.0891000E-02	3.6802000E-01	4.0083000E-03	1.1795000E-02
7.3370000E+02	1.1438000E-02	3.6830000E-01	4.2127000E-03	1.2396000E-02
7.3380000E+02	1.2020000E-02	3.6857000E-01	4.4302000E-03	1.3036000E-02
7.3390000E+02	1.2629000E-02	3.6885000E-01	4.6583000E-03	1.3707000E-02
7.3400000E+02	1.3259000E-02	3.6912000E-01	4.8943000E-03	1.4402000E-02
7.3410000E+02	1.3904000E-02	3.6927000E-01	5.1342000E-03	1.5108000E-02
7.3420000E+02	1.4557000E-02	3.6943000E-01	5.3777000E-03	1.5824000E-02
7.3430000E+02	1.5216000E-02	3.6958000E-01	5.6236000E-03	1.6548000E-02
7.3440000E+02	1.5880000E-02	3.6973000E-01	5.8715000E-03	1.7277000E-02
7.3450000E+02	1.6551000E-02	3.6989000E-01	6.1221000E-03	1.8014000E-02
7.3460000E+02	1.7233000E-02	3.7004000E-01	6.3770000E-03	1.8765000E-02
7.3470000E+02	1.7934000E-02	3.7019000E-01	6.6391000E-03	1.9536000E-02
7.3480000E+02	1.8664000E-02	3.7034000E-01	6.9120000E-03	2.0339000E-02
7.3490000E+02	1.9435000E-02	3.7050000E-01	7.2005000E-03	2.1188000E-02
7.3500000E+02	2.0261000E-02	3.7065000E-01	7.5098000E-03	2.2098000E-02
7.3510000E+02	2.1158000E-02	3.7081000E-01	7.8457000E-03	2.3086000E-02
7.3520000E+02	2.2144000E-02	3.7096000E-01	8.2145000E-03	2.4171000E-02
7.3530000E+02	2.3234000E-02	3.7111000E-01	8.6223000E-03	2.5371000E-02
7.3540000E+02	2.4444000E-02	3.7126000E-01	9.0751000E-03	2.6704000E-02
7.3550000E+02	2.5789000E-02	3.7142000E-01	9.5786000E-03	2.8185000E-02
7.3560000E+02	2.7284000E-02	3.7157000E-01	1.0138000E-02	2.9831000E-02
7.3570000E+02	2.8939000E-02	3.7172000E-01	1.0757000E-02	3.1654000E-02
7.3580000E+02	3.0765000E-02	3.7187000E-01	1.1441000E-02	3.3665000E-02
7.3590000E+02	3.2770000E-02	3.7203000E-01	1.2191000E-02	3.5873000E-02
7.3600000E+02	3.4960000E-02	3.7218000E-01	1.3011000E-02	3.8287000E-02
7.3610000E+02	3.7342000E-02	3.7229000E-01	1.3902000E-02	4.0907000E-02
7.3620000E+02	3.9921000E-02	3.7240000E-01	1.4866000E-02	4.3745000E-02
7.3630000E+02	4.2704000E-02	3.7251000E-01	1.5907000E-02	4.6808000E-02

7.3640000E+02	4.5698000E-02	3.7261000E-01	1.7028000E-02	5.0104000E-02
7.3650000E+02	4.8913000E-02	3.7272000E-01	1.8231000E-02	5.3646000E-02
7.3660000E+02	5.2364000E-02	3.7283000E-01	1.9523000E-02	5.7448000E-02
7.3670000E+02	5.6069000E-02	3.7294000E-01	2.0910000E-02	6.1530000E-02
7.3680000E+02	6.0051000E-02	3.7305000E-01	2.2402000E-02	6.5919000E-02
7.3690000E+02	6.4338000E-02	3.7316000E-01	2.4009000E-02	7.0647000E-02
7.3700000E+02	6.8967000E-02	3.7328000E-01	2.5744000E-02	7.5752000E-02
7.3710000E+02	7.3978000E-02	3.7339000E-01	2.7623000E-02	8.1281000E-02
7.3720000E+02	7.9417000E-02	3.7351000E-01	2.9663000E-02	8.7284000E-02
7.3730000E+02	8.5338000E-02	3.7362000E-01	3.1884000E-02	9.3821000E-02
7.3740000E+02	9.1797000E-02	3.7374000E-01	3.4308000E-02	1.0095000E-01
7.3750000E+02	9.8854000E-02	3.7385000E-01	3.6957000E-02	1.0875000E-01
7.3760000E+02	1.0657000E-01	3.7397000E-01	3.9855000E-02	1.1727000E-01
7.3770000E+02	1.1501000E-01	3.7409000E-01	4.3025000E-02	1.2660000E-01
7.3780000E+02	1.2424000E-01	3.7420000E-01	4.6491000E-02	1.3680000E-01
7.3790000E+02	1.3431000E-01	3.7432000E-01	5.0275000E-02	1.4794000E-01
7.3800000E+02	1.4528000E-01	3.7443000E-01	5.4397000E-02	1.6006000E-01
7.3810000E+02	1.5719000E-01	3.7467000E-01	5.8893000E-02	1.7329000E-01
7.3820000E+02	1.7008000E-01	3.7490000E-01	6.3763000E-02	1.8762000E-01
7.3830000E+02	1.8398000E-01	3.7513000E-01	6.9017000E-02	2.0309000E-01
7.3840000E+02	1.9891000E-01	3.7537000E-01	7.4662000E-02	2.1970000E-01
7.3850000E+02	2.1486000E-01	3.7560000E-01	8.0701000E-02	2.3746000E-01
7.3860000E+02	2.3182000E-01	3.7584000E-01	8.7127000E-02	2.5638000E-01
7.3870000E+02	2.4978000E-01	3.7607000E-01	9.3934000E-02	2.7641000E-01
7.3880000E+02	2.6868000E-01	3.7630000E-01	1.0111000E-01	2.9751000E-01
7.3890000E+02	2.8848000E-01	3.7654000E-01	1.0862000E-01	3.1963000E-01
7.3900000E+02	3.0909000E-01	3.7677000E-01	1.1646000E-01	3.4268000E-01
7.3910000E+02	3.3043000E-01	3.7701000E-01	1.2458000E-01	3.6657000E-01
7.3920000E+02	3.5241000E-01	3.7725000E-01	1.3295000E-01	3.9120000E-01
7.3930000E+02	3.7491000E-01	3.7748000E-01	1.4152000E-01	4.1643000E-01
7.3940000E+02	3.9780000E-01	3.7772000E-01	1.5026000E-01	4.4214000E-01
7.3950000E+02	4.2096000E-01	3.7796000E-01	1.5911000E-01	4.6817000E-01
7.3960000E+02	4.4424000E-01	3.7820000E-01	1.6801000E-01	4.9438000E-01
7.3970000E+02	4.6749000E-01	3.7843000E-01	1.7692000E-01	5.2058000E-01
7.3980000E+02	4.9057000E-01	3.7867000E-01	1.8577000E-01	5.4663000E-01
7.3990000E+02	5.1332000E-01	3.7891000E-01	1.9450000E-01	5.7233000E-01
7.4000000E+02	5.3559000E-01	3.7915000E-01	2.0307000E-01	5.9754000E-01
7.4010000E+02	5.5723000E-01	3.7939000E-01	2.1141000E-01	6.2208000E-01
7.4020000E+02	5.7810000E-01	3.7964000E-01	2.1947000E-01	6.4579000E-01
7.4030000E+02	5.9805000E-01	3.7989000E-01	2.2719000E-01	6.6852000E-01
7.4040000E+02	6.1696000E-01	3.8013000E-01	2.3453000E-01	6.9011000E-01
7.4050000E+02	6.3472000E-01	3.8038000E-01	2.4143000E-01	7.1043000E-01
7.4060000E+02	6.5122000E-01	3.8063000E-01	2.4787000E-01	7.2937000E-01

7.4070000E+02	6.6637000E-01	3.8087000E-01	2.5380000E-01	7.4682000E-01
7.4080000E+02	6.8010000E-01	3.8112000E-01	2.5920000E-01	7.6270000E-01
7.4090000E+02	6.9236000E-01	3.8137000E-01	2.6404000E-01	7.7696000E-01
7.4100000E+02	7.0311000E-01	3.8161000E-01	2.6832000E-01	7.8953000E-01
7.4110000E+02	7.1233000E-01	3.8186000E-01	2.7201000E-01	8.0041000E-01
7.4120000E+02	7.2004000E-01	3.8210000E-01	2.7513000E-01	8.0958000E-01
7.4130000E+02	7.2624000E-01	3.8235000E-01	2.7768000E-01	8.1708000E-01
7.4140000E+02	7.3098000E-01	3.8260000E-01	2.7967000E-01	8.2294000E-01
7.4150000E+02	7.3431000E-01	3.8284000E-01	2.8112000E-01	8.2722000E-01
7.4160000E+02	7.3631000E-01	3.8309000E-01	2.8207000E-01	8.3000000E-01
7.4170000E+02	7.3706000E-01	3.8333000E-01	2.8254000E-01	8.3138000E-01
7.4180000E+02	7.3666000E-01	3.8358000E-01	2.8257000E-01	8.3147000E-01
7.4190000E+02	7.3522000E-01	3.8382000E-01	2.8220000E-01	8.3037000E-01
7.4200000E+02	7.3286000E-01	3.8407000E-01	2.8147000E-01	8.2824000E-01
7.4210000E+02	7.2970000E-01	3.8433000E-01	2.8045000E-01	8.2522000E-01
7.4220000E+02	7.2585000E-01	3.8460000E-01	2.7916000E-01	8.2144000E-01
7.4230000E+02	7.2145000E-01	3.8486000E-01	2.7766000E-01	8.1702000E-01
7.4240000E+02	7.1662000E-01	3.8512000E-01	2.7599000E-01	8.1210000E-01
7.4250000E+02	7.1148000E-01	3.8539000E-01	2.7419000E-01	8.0683000E-01
7.4260000E+02	7.0614000E-01	3.8565000E-01	2.7232000E-01	8.0132000E-01
7.4270000E+02	7.0071000E-01	3.8591000E-01	2.7041000E-01	7.9569000E-01
7.4280000E+02	6.9528000E-01	3.8616000E-01	2.6849000E-01	7.9004000E-01
7.4290000E+02	6.8994000E-01	3.8642000E-01	2.6661000E-01	7.8450000E-01
7.4300000E+02	6.8478000E-01	3.8667000E-01	2.6478000E-01	7.7913000E-01
7.4310000E+02	6.7985000E-01	3.8693000E-01	2.6305000E-01	7.7404000E-01
7.4320000E+02	6.7522000E-01	3.8718000E-01	2.6143000E-01	7.6927000E-01
7.4330000E+02	6.7093000E-01	3.8744000E-01	2.5994000E-01	7.6489000E-01
7.4340000E+02	6.6703000E-01	3.8769000E-01	2.5860000E-01	7.6094000E-01
7.4350000E+02	6.6354000E-01	3.8795000E-01	2.5742000E-01	7.5746000E-01
7.4360000E+02	6.6049000E-01	3.8820000E-01	2.5641000E-01	7.5448000E-01
7.4370000E+02	6.5790000E-01	3.8846000E-01	2.5557000E-01	7.5202000E-01
7.4380000E+02	6.5579000E-01	3.8872000E-01	2.5491000E-01	7.5010000E-01
7.4390000E+02	6.5415000E-01	3.8897000E-01	2.5445000E-01	7.4872000E-01
7.4400000E+02	6.5299000E-01	3.8923000E-01	2.5416000E-01	7.4789000E-01
7.4410000E+02	6.5232000E-01	3.8952000E-01	2.5409000E-01	7.4767000E-01
7.4420000E+02	6.5214000E-01	3.8980000E-01	2.5421000E-01	7.4801000E-01
7.4430000E+02	6.5243000E-01	3.9009000E-01	2.5451000E-01	7.4890000E-01
7.4440000E+02	6.5319000E-01	3.9038000E-01	2.5499000E-01	7.5033000E-01
7.4450000E+02	6.5442000E-01	3.9067000E-01	2.5566000E-01	7.5229000E-01
7.4460000E+02	6.5610000E-01	3.9096000E-01	2.5651000E-01	7.5478000E-01
7.4470000E+02	6.5822000E-01	3.9125000E-01	2.5753000E-01	7.5779000E-01
7.4480000E+02	6.6076000E-01	3.9155000E-01	2.5872000E-01	7.6130000E-01
7.4490000E+02	6.6372000E-01	3.9184000E-01	2.6007000E-01	7.6527000E-01

7.4500000E+02	6.6706000E-01	3.9213000E-01	2.6158000E-01	7.6970000E-01
7.4510000E+02	6.7077000E-01	3.9243000E-01	2.6323000E-01	7.7456000E-01
7.4520000E+02	6.7481000E-01	3.9272000E-01	2.6501000E-01	7.7981000E-01
7.4530000E+02	6.7916000E-01	3.9302000E-01	2.6692000E-01	7.8543000E-01
7.4540000E+02	6.8379000E-01	3.9331000E-01	2.6894000E-01	7.9138000E-01
7.4550000E+02	6.8867000E-01	3.9360000E-01	2.7107000E-01	7.9762000E-01
7.4560000E+02	6.9376000E-01	3.9390000E-01	2.7327000E-01	8.0411000E-01
7.4570000E+02	6.9903000E-01	3.9419000E-01	2.7555000E-01	8.1083000E-01
7.4580000E+02	7.0444000E-01	3.9449000E-01	2.7789000E-01	8.1771000E-01
7.4590000E+02	7.0996000E-01	3.9478000E-01	2.8028000E-01	8.2474000E-01
7.4600000E+02	7.1556000E-01	3.9508000E-01	2.8270000E-01	8.3186000E-01
7.4610000E+02	7.2121000E-01	3.9528000E-01	2.8508000E-01	8.3887000E-01
7.4620000E+02	7.2687000E-01	3.9549000E-01	2.8747000E-01	8.4590000E-01
7.4630000E+02	7.3254000E-01	3.9570000E-01	2.8986000E-01	8.5293000E-01
7.4640000E+02	7.3817000E-01	3.9590000E-01	2.9224000E-01	8.5994000E-01
7.4650000E+02	7.4376000E-01	3.9611000E-01	2.9461000E-01	8.6690000E-01
7.4660000E+02	7.4929000E-01	3.9633000E-01	2.9696000E-01	8.7383000E-01
7.4670000E+02	7.5475000E-01	3.9654000E-01	2.9929000E-01	8.8067000E-01
7.4680000E+02	7.6012000E-01	3.9676000E-01	3.0159000E-01	8.8743000E-01
7.4690000E+02	7.6540000E-01	3.9698000E-01	3.0385000E-01	8.9408000E-01
7.4700000E+02	7.7058000E-01	3.9719000E-01	3.0607000E-01	9.0062000E-01
7.4710000E+02	7.7565000E-01	3.9741000E-01	3.0825000E-01	9.0705000E-01
7.4720000E+02	7.8061000E-01	3.9763000E-01	3.1039000E-01	9.1335000E-01
7.4730000E+02	7.8544000E-01	3.9785000E-01	3.1249000E-01	9.1951000E-01
7.4740000E+02	7.9015000E-01	3.9807000E-01	3.1453000E-01	9.2553000E-01
7.4750000E+02	7.9471000E-01	3.9829000E-01	3.1653000E-01	9.3139000E-01
7.4760000E+02	7.9912000E-01	3.9851000E-01	3.1846000E-01	9.3707000E-01
7.4770000E+02	8.0337000E-01	3.9873000E-01	3.2033000E-01	9.4257000E-01
7.4780000E+02	8.0743000E-01	3.9895000E-01	3.2212000E-01	9.4786000E-01
7.4790000E+02	8.1130000E-01	3.9917000E-01	3.2384000E-01	9.5292000E-01
7.4800000E+02	8.1495000E-01	3.9938000E-01	3.2548000E-01	9.5773000E-01
7.4810000E+02	8.1837000E-01	3.9975000E-01	3.2715000E-01	9.6264000E-01
7.4820000E+02	8.2154000E-01	4.0012000E-01	3.2872000E-01	9.6726000E-01
7.4830000E+02	8.2445000E-01	4.0049000E-01	3.3019000E-01	9.7158000E-01
7.4840000E+02	8.2709000E-01	4.0086000E-01	3.3155000E-01	9.7559000E-01
7.4850000E+02	8.2944000E-01	4.0123000E-01	3.3280000E-01	9.7927000E-01
7.4860000E+02	8.3149000E-01	4.0161000E-01	3.3394000E-01	9.8262000E-01
7.4870000E+02	8.3326000E-01	4.0198000E-01	3.3496000E-01	9.8562000E-01
7.4880000E+02	8.3473000E-01	4.0236000E-01	3.3586000E-01	9.8829000E-01
7.4890000E+02	8.3592000E-01	4.0273000E-01	3.3665000E-01	9.9061000E-01
7.4900000E+02	8.3684000E-01	4.0311000E-01	3.3733000E-01	9.9262000E-01
7.4910000E+02	8.3749000E-01	4.0348000E-01	3.3791000E-01	9.9432000E-01
7.4920000E+02	8.3790000E-01	4.0386000E-01	3.3839000E-01	9.9574000E-01

7.4930000E+02	8.3809000E-01	4.0423000E-01	3.3878000E-01	9.9689000E-01
7.4940000E+02	8.3808000E-01	4.0461000E-01	3.3910000E-01	9.9781000E-01
7.4950000E+02	8.3790000E-01	4.0498000E-01	3.3934000E-01	9.9852000E-01
7.4960000E+02	8.3758000E-01	4.0536000E-01	3.3952000E-01	9.9905000E-01
7.4970000E+02	8.3713000E-01	4.0574000E-01	3.3965000E-01	9.9944000E-01
7.4980000E+02	8.3658000E-01	4.0611000E-01	3.3974000E-01	9.9971000E-01
7.4990000E+02	8.3595000E-01	4.0649000E-01	3.3981000E-01	9.9989000E-01
7.5000000E+02	8.3527000E-01	4.0687000E-01	3.3984000E-01	1.0000000E+00
7.5010000E+02	8.3454000E-01	4.0712000E-01	3.3976000E-01	9.9975000E-01
7.5020000E+02	8.3379000E-01	4.0737000E-01	3.3966000E-01	9.9947000E-01
7.5030000E+02	8.3302000E-01	4.0762000E-01	3.3956000E-01	9.9916000E-01
7.5040000E+02	8.3223000E-01	4.0787000E-01	3.3944000E-01	9.9882000E-01
7.5050000E+02	8.3144000E-01	4.0812000E-01	3.3932000E-01	9.9847000E-01
7.5060000E+02	8.3063000E-01	4.0836000E-01	3.3920000E-01	9.9810000E-01
7.5070000E+02	8.2981000E-01	4.0861000E-01	3.3907000E-01	9.9771000E-01
7.5080000E+02	8.2897000E-01	4.0885000E-01	3.3893000E-01	9.9730000E-01
7.5090000E+02	8.2811000E-01	4.0910000E-01	3.3878000E-01	9.9687000E-01
7.5100000E+02	8.2722000E-01	4.0934000E-01	3.3862000E-01	9.9640000E-01
7.5110000E+02	8.2630000E-01	4.0959000E-01	3.3844000E-01	9.9588000E-01
7.5120000E+02	8.2533000E-01	4.0983000E-01	3.3825000E-01	9.9530000E-01
7.5130000E+02	8.2431000E-01	4.1008000E-01	3.3803000E-01	9.9467000E-01
7.5140000E+02	8.2323000E-01	4.1033000E-01	3.3779000E-01	9.9397000E-01
7.5150000E+02	8.2209000E-01	4.1057000E-01	3.3753000E-01	9.9319000E-01
7.5160000E+02	8.2089000E-01	4.1082000E-01	3.3723000E-01	9.9233000E-01
7.5170000E+02	8.1961000E-01	4.1106000E-01	3.3691000E-01	9.9137000E-01
7.5180000E+02	8.1825000E-01	4.1131000E-01	3.3656000E-01	9.9033000E-01
7.5190000E+02	8.1681000E-01	4.1156000E-01	3.3617000E-01	9.8918000E-01
7.5200000E+02	8.1529000E-01	4.1180000E-01	3.3574000E-01	9.8793000E-01
7.5210000E+02	8.1367000E-01	4.1210000E-01	3.3532000E-01	9.8668000E-01
7.5220000E+02	8.1195000E-01	4.1240000E-01	3.3485000E-01	9.8531000E-01
7.5230000E+02	8.1012000E-01	4.1270000E-01	3.3434000E-01	9.8380000E-01
7.5240000E+02	8.0816000E-01	4.1300000E-01	3.3377000E-01	9.8213000E-01
7.5250000E+02	8.0607000E-01	4.1330000E-01	3.3314000E-01	9.8029000E-01
7.5260000E+02	8.0382000E-01	4.1359000E-01	3.3245000E-01	9.7826000E-01
7.5270000E+02	8.0140000E-01	4.1389000E-01	3.3169000E-01	9.7601000E-01
7.5280000E+02	7.9878000E-01	4.1419000E-01	3.3084000E-01	9.7352000E-01
7.5290000E+02	7.9596000E-01	4.1448000E-01	3.2991000E-01	9.7077000E-01
7.5300000E+02	7.9290000E-01	4.1478000E-01	3.2888000E-01	9.6773000E-01
7.5310000E+02	7.8958000E-01	4.1507000E-01	3.2773000E-01	9.6437000E-01
7.5320000E+02	7.8598000E-01	4.1537000E-01	3.2647000E-01	9.6066000E-01
7.5330000E+02	7.8208000E-01	4.1566000E-01	3.2508000E-01	9.5657000E-01
7.5340000E+02	7.7786000E-01	4.1596000E-01	3.2356000E-01	9.5208000E-01
7.5350000E+02	7.7330000E-01	4.1625000E-01	3.2189000E-01	9.4717000E-01

7.5360000E+02	7.6838000E-01	4.1655000E-01	3.2007000E-01	9.4181000E-01
7.5370000E+02	7.6310000E-01	4.1684000E-01	3.1809000E-01	9.3599000E-01
7.5380000E+02	7.5743000E-01	4.1713000E-01	3.1595000E-01	9.2969000E-01
7.5390000E+02	7.5136000E-01	4.1743000E-01	3.1364000E-01	9.2290000E-01
7.5400000E+02	7.4491000E-01	4.1772000E-01	3.1116000E-01	9.1561000E-01
7.5410000E+02	7.3805000E-01	4.1794000E-01	3.0846000E-01	9.0766000E-01
7.5420000E+02	7.3079000E-01	4.1816000E-01	3.0559000E-01	8.9920000E-01
7.5430000E+02	7.2313000E-01	4.1836000E-01	3.0253000E-01	8.9020000E-01
7.5440000E+02	7.1508000E-01	4.1855000E-01	2.9930000E-01	8.8069000E-01
7.5450000E+02	7.0664000E-01	4.1874000E-01	2.9590000E-01	8.7069000E-01
7.5460000E+02	6.9781000E-01	4.1893000E-01	2.9234000E-01	8.6021000E-01
7.5470000E+02	6.8861000E-01	4.1913000E-01	2.8861000E-01	8.4926000E-01
7.5480000E+02	6.7903000E-01	4.1932000E-01	2.8473000E-01	8.3783000E-01
7.5490000E+02	6.6910000E-01	4.1951000E-01	2.8070000E-01	8.2596000E-01
7.5500000E+02	6.5882000E-01	4.1970000E-01	2.7651000E-01	8.1364000E-01
7.5510000E+02	6.4819000E-01	4.1989000E-01	2.7217000E-01	8.0087000E-01
7.5520000E+02	6.3723000E-01	4.2008000E-01	2.6769000E-01	7.8768000E-01
7.5530000E+02	6.2596000E-01	4.2026000E-01	2.6307000E-01	7.7409000E-01
7.5540000E+02	6.1438000E-01	4.2045000E-01	2.5832000E-01	7.6010000E-01
7.5550000E+02	6.0250000E-01	4.2064000E-01	2.5344000E-01	7.4574000E-01
7.5560000E+02	5.9035000E-01	4.2082000E-01	2.4844000E-01	7.3103000E-01
7.5570000E+02	5.7795000E-01	4.2101000E-01	2.4332000E-01	7.1599000E-01
7.5580000E+02	5.6530000E-01	4.2120000E-01	2.3811000E-01	7.0063000E-01
7.5590000E+02	5.5245000E-01	4.2138000E-01	2.3279000E-01	6.8500000E-01
7.5600000E+02	5.3940000E-01	4.2157000E-01	2.2740000E-01	6.6912000E-01
7.5610000E+02	5.2619000E-01	4.2198000E-01	2.2204000E-01	6.5337000E-01
7.5620000E+02	5.1285000E-01	4.2238000E-01	2.1662000E-01	6.3741000E-01
7.5630000E+02	4.9942000E-01	4.2277000E-01	2.1114000E-01	6.2129000E-01
7.5640000E+02	4.8591000E-01	4.2317000E-01	2.0562000E-01	6.0505000E-01
7.5650000E+02	4.7238000E-01	4.2356000E-01	2.0008000E-01	5.8874000E-01
7.5660000E+02	4.5885000E-01	4.2395000E-01	1.9453000E-01	5.7241000E-01
7.5670000E+02	4.4535000E-01	4.2435000E-01	1.8898000E-01	5.5609000E-01
7.5680000E+02	4.3193000E-01	4.2474000E-01	1.8346000E-01	5.3983000E-01
7.5690000E+02	4.1861000E-01	4.2513000E-01	1.7797000E-01	5.2367000E-01
7.5700000E+02	4.0543000E-01	4.2553000E-01	1.7252000E-01	5.0765000E-01
7.5710000E+02	3.9240000E-01	4.2592000E-01	1.6713000E-01	4.9179000E-01
7.5720000E+02	3.7956000E-01	4.2631000E-01	1.6181000E-01	4.7614000E-01
7.5730000E+02	3.6693000E-01	4.2671000E-01	1.5657000E-01	4.6072000E-01
7.5740000E+02	3.5451000E-01	4.2711000E-01	1.5141000E-01	4.4554000E-01
7.5750000E+02	3.4232000E-01	4.2750000E-01	1.4634000E-01	4.3062000E-01
7.5760000E+02	3.3038000E-01	4.2790000E-01	1.4137000E-01	4.1598000E-01
7.5770000E+02	3.1868000E-01	4.2829000E-01	1.3649000E-01	4.0163000E-01
7.5780000E+02	3.0724000E-01	4.2869000E-01	1.3171000E-01	3.8756000E-01

7.5790000E+02	2.9604000E-01	4.2908000E-01	1.2703000E-01	3.7378000E-01
7.5800000E+02	2.8509000E-01	4.2948000E-01	1.2244000E-01	3.6029000E-01
7.5810000E+02	2.7439000E-01	4.2996000E-01	1.1798000E-01	3.4715000E-01
7.5820000E+02	2.6392000E-01	4.3043000E-01	1.1360000E-01	3.3427000E-01
7.5830000E+02	2.5370000E-01	4.3090000E-01	1.0932000E-01	3.2167000E-01
7.5840000E+02	2.4370000E-01	4.3137000E-01	1.0513000E-01	3.0933000E-01
7.5850000E+02	2.3394000E-01	4.3184000E-01	1.0102000E-01	2.9727000E-01
7.5860000E+02	2.2441000E-01	4.3231000E-01	9.7013000E-02	2.8546000E-01
7.5870000E+02	2.1511000E-01	4.3278000E-01	9.3093000E-02	2.7393000E-01
7.5880000E+02	2.0604000E-01	4.3325000E-01	8.9265000E-02	2.6267000E-01
7.5890000E+02	1.9720000E-01	4.3372000E-01	8.5531000E-02	2.5168000E-01
7.5900000E+02	1.8861000E-01	4.3419000E-01	8.1893000E-02	2.4097000E-01
7.5910000E+02	1.8027000E-01	4.3466000E-01	7.8355000E-02	2.3056000E-01
7.5920000E+02	1.7218000E-01	4.3513000E-01	7.4920000E-02	2.2046000E-01
7.5930000E+02	1.6435000E-01	4.3560000E-01	7.1592000E-02	2.1066000E-01
7.5940000E+02	1.5679000E-01	4.3607000E-01	6.8374000E-02	2.0119000E-01
7.5950000E+02	1.4951000E-01	4.3655000E-01	6.5268000E-02	1.9205000E-01
7.5960000E+02	1.4251000E-01	4.3702000E-01	6.2279000E-02	1.8326000E-01
7.5970000E+02	1.3579000E-01	4.3749000E-01	5.9406000E-02	1.7481000E-01
7.5980000E+02	1.2935000E-01	4.3796000E-01	5.6653000E-02	1.6670000E-01
7.5990000E+02	1.2321000E-01	4.3844000E-01	5.4018000E-02	1.5895000E-01
7.6000000E+02	1.1734000E-01	4.3891000E-01	5.1501000E-02	1.5154000E-01
7.6010000E+02	1.1175000E-01	4.3924000E-01	4.9084000E-02	1.4443000E-01
7.6020000E+02	1.0643000E-01	4.3957000E-01	4.6782000E-02	1.3766000E-01
7.6030000E+02	1.0136000E-01	4.3990000E-01	4.4590000E-02	1.3121000E-01
7.6040000E+02	9.6548000E-02	4.4024000E-01	4.2504000E-02	1.2507000E-01
7.6050000E+02	9.1968000E-02	4.4057000E-01	4.0518000E-02	1.1923000E-01
7.6060000E+02	8.7611000E-02	4.4090000E-01	3.8627000E-02	1.1366000E-01
7.6070000E+02	8.3461000E-02	4.4123000E-01	3.6825000E-02	1.0836000E-01
7.6080000E+02	7.9506000E-02	4.4156000E-01	3.5106000E-02	1.0330000E-01
7.6090000E+02	7.5732000E-02	4.4189000E-01	3.3465000E-02	9.8473000E-02
7.6100000E+02	7.2127000E-02	4.4222000E-01	3.1896000E-02	9.3856000E-02
7.6110000E+02	6.8681000E-02	4.4255000E-01	3.0395000E-02	8.9438000E-02
7.6120000E+02	6.5384000E-02	4.4288000E-01	2.8957000E-02	8.5207000E-02
7.6130000E+02	6.2228000E-02	4.4320000E-01	2.7580000E-02	8.1154000E-02
7.6140000E+02	5.9208000E-02	4.4353000E-01	2.6260000E-02	7.7272000E-02
7.6150000E+02	5.6318000E-02	4.4386000E-01	2.4997000E-02	7.3556000E-02
7.6160000E+02	5.3557000E-02	4.4419000E-01	2.3789000E-02	7.0001000E-02
7.6170000E+02	5.0922000E-02	4.4451000E-01	2.2636000E-02	6.6606000E-02
7.6180000E+02	4.8412000E-02	4.4484000E-01	2.1536000E-02	6.3369000E-02
7.6190000E+02	4.6026000E-02	4.4517000E-01	2.0489000E-02	6.0291000E-02
7.6200000E+02	4.3764000E-02	4.4548000E-01	1.9496000E-02	5.7368000E-02
7.6210000E+02	4.1625000E-02	4.4574000E-01	1.8554000E-02	5.4595000E-02

7.6220000E+02	3.9607000E-02	4.4599000E-01	1.7664000E-02	5.1977000E-02
7.6230000E+02	3.7707000E-02	4.4624000E-01	1.6827000E-02	4.9513000E-02
7.6240000E+02	3.5923000E-02	4.4650000E-01	1.6040000E-02	4.7197000E-02
7.6250000E+02	3.4250000E-02	4.4675000E-01	1.5301000E-02	4.5024000E-02
7.6260000E+02	3.2681000E-02	4.4701000E-01	1.4608000E-02	4.2986000E-02
7.6270000E+02	3.1209000E-02	4.4726000E-01	1.3958000E-02	4.1073000E-02
7.6280000E+02	2.9826000E-02	4.4751000E-01	1.3348000E-02	3.9276000E-02
7.6290000E+02	2.8524000E-02	4.4777000E-01	1.2772000E-02	3.7583000E-02
7.6300000E+02	2.7293000E-02	4.4802000E-01	1.2228000E-02	3.5981000E-02
7.6310000E+02	2.6124000E-02	4.4827000E-01	1.1711000E-02	3.4459000E-02
7.6320000E+02	2.5008000E-02	4.4852000E-01	1.1217000E-02	3.3005000E-02
7.6330000E+02	2.3937000E-02	4.4877000E-01	1.0742000E-02	3.1609000E-02
7.6340000E+02	2.2903000E-02	4.4902000E-01	1.0284000E-02	3.0260000E-02
7.6350000E+02	2.1901000E-02	4.4927000E-01	9.8392000E-03	2.8952000E-02
7.6360000E+02	2.0926000E-02	4.4951000E-01	9.4065000E-03	2.7679000E-02
7.6370000E+02	1.9976000E-02	4.4976000E-01	8.9846000E-03	2.6438000E-02
7.6380000E+02	1.9051000E-02	4.5001000E-01	8.5731000E-03	2.5227000E-02
7.6390000E+02	1.8150000E-02	4.5026000E-01	8.1724000E-03	2.4047000E-02
7.6400000E+02	1.7277000E-02	4.5050000E-01	7.7835000E-03	2.2903000E-02
7.6410000E+02	1.6436000E-02	4.5075000E-01	7.4084000E-03	2.1800000E-02
7.6420000E+02	1.5630000E-02	4.5100000E-01	7.0491000E-03	2.0742000E-02
7.6430000E+02	1.4865000E-02	4.5125000E-01	6.7080000E-03	1.9739000E-02
7.6440000E+02	1.4147000E-02	4.5150000E-01	6.3873000E-03	1.8795000E-02
7.6450000E+02	1.3480000E-02	4.5175000E-01	6.0894000E-03	1.7918000E-02
7.6460000E+02	1.2868000E-02	4.5200000E-01	5.8162000E-03	1.7115000E-02
7.6470000E+02	1.2314000E-02	4.5225000E-01	5.5691000E-03	1.6387000E-02
7.6480000E+02	1.1820000E-02	4.5250000E-01	5.3488000E-03	1.5739000E-02
7.6490000E+02	1.1386000E-02	4.5275000E-01	5.1552000E-03	1.5169000E-02
7.6500000E+02	1.1010000E-02	4.5300000E-01	4.9875000E-03	1.4676000E-02
7.6510000E+02	1.0686000E-02	4.5325000E-01	4.8436000E-03	1.4253000E-02
7.6520000E+02	1.0410000E-02	4.5350000E-01	4.7212000E-03	1.3892000E-02
7.6530000E+02	1.0174000E-02	4.5376000E-01	4.6167000E-03	1.3585000E-02
7.6540000E+02	9.9691000E-03	4.5401000E-01	4.5260000E-03	1.3318000E-02
7.6550000E+02	9.7847000E-03	4.5426000E-01	4.4448000E-03	1.3079000E-02
7.6560000E+02	9.6107000E-03	4.5451000E-01	4.3681000E-03	1.2853000E-02
7.6570000E+02	9.4366000E-03	4.5476000E-01	4.2914000E-03	1.2627000E-02
7.6580000E+02	9.2524000E-03	4.5501000E-01	4.2099000E-03	1.2388000E-02
7.6590000E+02	9.0491000E-03	4.5526000E-01	4.1197000E-03	1.2122000E-02
7.6600000E+02	8.4198000E-03	4.5552000E-01	3.8354000E-03	1.1286000E-02
7.6610000E+02	8.1116000E-03	4.5595000E-01	3.6985000E-03	1.0883000E-02
7.6620000E+02	7.8011000E-03	4.5638000E-01	3.5603000E-03	1.0476000E-02
7.6630000E+02	7.4883000E-03	4.5681000E-01	3.4208000E-03	1.0066000E-02
7.6640000E+02	7.1738000E-03	4.5725000E-01	3.2802000E-03	9.6520000E-03

7.6650000E+02	6.8589000E-03	4.5768000E-01	3.1392000E-03	9.2371000E-03
7.6660000E+02	6.5458000E-03	4.5811000E-01	2.9987000E-03	8.8237000E-03
7.6670000E+02	6.2369000E-03	4.5854000E-01	2.8598000E-03	8.4152000E-03
7.6680000E+02	5.9352000E-03	4.5897000E-01	2.7241000E-03	8.0157000E-03
7.6690000E+02	5.6439000E-03	4.5940000E-01	2.5928000E-03	7.6295000E-03
7.6700000E+02	5.3664000E-03	4.5983000E-01	2.4676000E-03	7.2611000E-03
7.6710000E+02	5.1059000E-03	4.6026000E-01	2.3501000E-03	6.9152000E-03
7.6720000E+02	4.8655000E-03	4.6070000E-01	2.2416000E-03	6.5959000E-03
7.6730000E+02	4.6479000E-03	4.6113000E-01	2.1433000E-03	6.3067000E-03
7.6740000E+02	4.4552000E-03	4.6157000E-01	2.0564000E-03	6.0509000E-03
7.6750000E+02	4.2888000E-03	4.6200000E-01	1.9814000E-03	5.8304000E-03
7.6760000E+02	4.1497000E-03	4.6243000E-01	1.9190000E-03	5.6466000E-03
7.6770000E+02	4.0379000E-03	4.6287000E-01	1.8690000E-03	5.4997000E-03
7.6780000E+02	3.9526000E-03	4.6329000E-01	1.8312000E-03	5.3885000E-03
7.6790000E+02	3.8925000E-03	4.6372000E-01	1.8050000E-03	5.3113000E-03
7.6800000E+02	3.8552000E-03	4.6414000E-01	1.7894000E-03	5.2652000E-03
7.6810000E+02	3.8382000E-03	4.6442000E-01	1.7825000E-03	5.2451000E-03
7.6820000E+02	3.8380000E-03	4.6470000E-01	1.7835000E-03	5.2481000E-03
7.6830000E+02	3.8513000E-03	4.6498000E-01	1.7908000E-03	5.2695000E-03
7.6840000E+02	3.8742000E-03	4.6526000E-01	1.8025000E-03	5.3040000E-03
7.6850000E+02	3.9030000E-03	4.6554000E-01	1.8170000E-03	5.3466000E-03
7.6860000E+02	3.9340000E-03	4.6583000E-01	1.8326000E-03	5.3924000E-03
7.6870000E+02	3.9639000E-03	4.6611000E-01	1.8476000E-03	5.4367000E-03
7.6880000E+02	3.9898000E-03	4.6639000E-01	1.8608000E-03	5.4755000E-03
7.6890000E+02	4.0093000E-03	4.6667000E-01	1.8710000E-03	5.5055000E-03
7.6900000E+02	4.0206000E-03	4.6695000E-01	1.8774000E-03	5.5243000E-03
7.6910000E+02	4.0225000E-03	4.6723000E-01	1.8794000E-03	5.5302000E-03
7.6920000E+02	4.0145000E-03	4.6750000E-01	1.8768000E-03	5.5225000E-03
7.6930000E+02	3.9967000E-03	4.6778000E-01	1.8696000E-03	5.5013000E-03
7.6940000E+02	3.9698000E-03	4.6806000E-01	1.8581000E-03	5.4675000E-03
7.6950000E+02	0.0000000E+00	4.6806000E-01	0.0000000E+00	0.0000000E+00
Channel 8				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
8.6918000E+02	0.0000000E+00	4.8103000E-01	0.0000000E+00	0.0000000E+00
8.6928000E+02	3.9206000E-03	4.8121000E-01	1.8866000E-03	4.0997000E-03
8.6938000E+02	3.9380000E-03	4.8140000E-01	1.8958000E-03	4.1196000E-03
8.6948000E+02	3.9830000E-03	4.8159000E-01	1.9182000E-03	4.1683000E-03
8.6958000E+02	4.0573000E-03	4.8179000E-01	1.9548000E-03	4.2478000E-03
8.6968000E+02	4.1626000E-03	4.8198000E-01	2.0063000E-03	4.3597000E-03
8.6978000E+02	4.2995000E-03	4.8217000E-01	2.0731000E-03	4.5050000E-03

8.6988000E+02	4.4685000E-03	4.8237000E-01	2.1555000E-03	4.6839000E-03
8.6998000E+02	4.6693000E-03	4.8256000E-01	2.2532000E-03	4.8963000E-03
8.7008000E+02	4.9012000E-03	4.8263000E-01	2.3655000E-03	5.1403000E-03
8.7018000E+02	5.1633000E-03	4.8267000E-01	2.4922000E-03	5.4156000E-03
8.7028000E+02	5.4541000E-03	4.8272000E-01	2.6328000E-03	5.7212000E-03
8.7038000E+02	5.7724000E-03	4.8276000E-01	2.7867000E-03	6.0556000E-03
8.7048000E+02	6.1166000E-03	4.8281000E-01	2.9532000E-03	6.4173000E-03
8.7058000E+02	6.4855000E-03	4.8285000E-01	3.1315000E-03	6.8049000E-03
8.7068000E+02	6.8776000E-03	4.8290000E-01	3.3212000E-03	7.2171000E-03
8.7078000E+02	7.2919000E-03	4.8295000E-01	3.5216000E-03	7.6526000E-03
8.7088000E+02	7.7274000E-03	4.8300000E-01	3.7323000E-03	8.1104000E-03
8.7098000E+02	8.1833000E-03	4.8304000E-01	3.9529000E-03	8.5898000E-03
8.7108000E+02	8.6589000E-03	4.8310000E-01	4.1831000E-03	9.0900000E-03
8.7118000E+02	9.1537000E-03	4.8315000E-01	4.4226000E-03	9.6105000E-03
8.7128000E+02	9.6673000E-03	4.8320000E-01	4.6712000E-03	1.0151000E-02
8.7138000E+02	1.0199000E-02	4.8326000E-01	4.9288000E-03	1.0711000E-02
8.7148000E+02	1.0749000E-02	4.8331000E-01	5.1953000E-03	1.1290000E-02
8.7158000E+02	1.1317000E-02	4.8336000E-01	5.4704000E-03	1.1887000E-02
8.7168000E+02	1.1903000E-02	4.8342000E-01	5.7542000E-03	1.2504000E-02
8.7178000E+02	1.2507000E-02	4.8348000E-01	6.0466000E-03	1.3140000E-02
8.7188000E+02	1.3128000E-02	4.8353000E-01	6.3476000E-03	1.3794000E-02
8.7198000E+02	1.3766000E-02	4.8359000E-01	6.6569000E-03	1.4466000E-02
8.7208000E+02	1.4421000E-02	4.8373000E-01	6.9758000E-03	1.5159000E-02
8.7218000E+02	1.5093000E-02	4.8389000E-01	7.3035000E-03	1.5871000E-02
8.7228000E+02	1.5782000E-02	4.8406000E-01	7.6395000E-03	1.6601000E-02
8.7238000E+02	1.6488000E-02	4.8422000E-01	7.9839000E-03	1.7349000E-02
8.7248000E+02	1.7211000E-02	4.8439000E-01	8.3366000E-03	1.8116000E-02
8.7258000E+02	1.7949000E-02	4.8455000E-01	8.6975000E-03	1.8900000E-02
8.7268000E+02	1.8705000E-02	4.8472000E-01	9.0665000E-03	1.9702000E-02
8.7278000E+02	1.9476000E-02	4.8489000E-01	9.4437000E-03	2.0522000E-02
8.7288000E+02	2.0264000E-02	4.8506000E-01	9.8292000E-03	2.1359000E-02
8.7298000E+02	2.1068000E-02	4.8523000E-01	1.0223000E-02	2.2215000E-02
8.7308000E+02	2.1889000E-02	4.8539000E-01	1.0625000E-02	2.3088000E-02
8.7318000E+02	2.2727000E-02	4.8555000E-01	1.1035000E-02	2.3979000E-02
8.7328000E+02	2.3582000E-02	4.8571000E-01	1.1454000E-02	2.4890000E-02
8.7338000E+02	2.4454000E-02	4.8588000E-01	1.1882000E-02	2.5820000E-02
8.7348000E+02	2.5345000E-02	4.8604000E-01	1.2319000E-02	2.6770000E-02
8.7358000E+02	2.6256000E-02	4.8621000E-01	1.2766000E-02	2.7741000E-02
8.7368000E+02	2.7187000E-02	4.8637000E-01	1.3223000E-02	2.8734000E-02
8.7378000E+02	2.8139000E-02	4.8654000E-01	1.3691000E-02	2.9751000E-02
8.7388000E+02	2.9115000E-02	4.8671000E-01	1.4171000E-02	3.0794000E-02
8.7398000E+02	3.0117000E-02	4.8689000E-01	1.4664000E-02	3.1864000E-02
8.7408000E+02	3.1145000E-02	4.8703000E-01	1.5168000E-02	3.2962000E-02

8.7418000E+02	3.2203000E-02	4.8715000E-01	1.5688000E-02	3.4090000E-02
8.7428000E+02	3.3293000E-02	4.8728000E-01	1.6223000E-02	3.5253000E-02
8.7438000E+02	3.4418000E-02	4.8740000E-01	1.6776000E-02	3.6454000E-02
8.7448000E+02	3.5582000E-02	4.8753000E-01	1.7347000E-02	3.7696000E-02
8.7458000E+02	3.6787000E-02	4.8766000E-01	1.7940000E-02	3.8984000E-02
8.7468000E+02	3.8039000E-02	4.8779000E-01	1.8555000E-02	4.0321000E-02
8.7478000E+02	3.9341000E-02	4.8792000E-01	1.9195000E-02	4.1712000E-02
8.7488000E+02	4.0697000E-02	4.8805000E-01	1.9862000E-02	4.3161000E-02
8.7498000E+02	4.2113000E-02	4.8818000E-01	2.0559000E-02	4.4675000E-02
8.7508000E+02	4.3594000E-02	4.8831000E-01	2.1288000E-02	4.6259000E-02
8.7518000E+02	4.5145000E-02	4.8845000E-01	2.2051000E-02	4.7917000E-02
8.7528000E+02	4.6772000E-02	4.8858000E-01	2.2852000E-02	4.9658000E-02
8.7538000E+02	4.8481000E-02	4.8872000E-01	2.3693000E-02	5.1487000E-02
8.7548000E+02	5.0278000E-02	4.8885000E-01	2.4579000E-02	5.3410000E-02
8.7558000E+02	5.1666000E-02	4.8899000E-01	2.5264000E-02	5.4900000E-02
8.7568000E+02	5.3625000E-02	4.8913000E-01	2.6230000E-02	5.6998000E-02
8.7578000E+02	5.5691000E-02	4.8926000E-01	2.7248000E-02	5.9210000E-02
8.7588000E+02	5.7872000E-02	4.8939000E-01	2.8322000E-02	6.1545000E-02
8.7598000E+02	6.0175000E-02	4.8952000E-01	2.9457000E-02	6.4011000E-02
8.7608000E+02	6.2607000E-02	4.8975000E-01	3.0662000E-02	6.6629000E-02
8.7618000E+02	6.5176000E-02	4.9000000E-01	3.1936000E-02	6.9399000E-02
8.7628000E+02	6.7889000E-02	4.9025000E-01	3.3283000E-02	7.2325000E-02
8.7638000E+02	7.0754000E-02	4.9051000E-01	3.4705000E-02	7.5416000E-02
8.7648000E+02	7.3778000E-02	4.9076000E-01	3.6207000E-02	7.8680000E-02
8.7658000E+02	7.6968000E-02	4.9101000E-01	3.7793000E-02	8.2125000E-02
8.7668000E+02	8.0332000E-02	4.9127000E-01	3.9465000E-02	8.5758000E-02
8.7678000E+02	8.3877000E-02	4.9152000E-01	4.1228000E-02	8.9589000E-02
8.7688000E+02	8.7610000E-02	4.9178000E-01	4.3085000E-02	9.3625000E-02
8.7698000E+02	9.1538000E-02	4.9203000E-01	4.5040000E-02	9.7873000E-02
8.7708000E+02	9.5667000E-02	4.9229000E-01	4.7096000E-02	1.0234000E-01
8.7718000E+02	1.0000000E-01	4.9255000E-01	4.9257000E-02	1.0704000E-01
8.7728000E+02	1.0455000E-01	4.9281000E-01	5.1525000E-02	1.1197000E-01
8.7738000E+02	1.0932000E-01	4.9307000E-01	5.3905000E-02	1.1714000E-01
8.7748000E+02	1.1432000E-01	4.9333000E-01	5.6397000E-02	1.2255000E-01
8.7758000E+02	1.1954000E-01	4.9359000E-01	5.9006000E-02	1.2822000E-01
8.7768000E+02	1.2501000E-01	4.9385000E-01	6.1734000E-02	1.3415000E-01
8.7778000E+02	1.3070000E-01	4.9410000E-01	6.4581000E-02	1.4034000E-01
8.7788000E+02	1.3665000E-01	4.9435000E-01	6.7552000E-02	1.4679000E-01
8.7798000E+02	1.4284000E-01	4.9461000E-01	7.0648000E-02	1.5352000E-01
8.7808000E+02	1.4928000E-01	4.9480000E-01	7.3862000E-02	1.6050000E-01
8.7818000E+02	1.5596000E-01	4.9499000E-01	7.7201000E-02	1.6776000E-01
8.7828000E+02	1.6291000E-01	4.9517000E-01	8.0667000E-02	1.7529000E-01
8.7838000E+02	1.7010000E-01	4.9536000E-01	8.4262000E-02	1.8310000E-01

8.7848000E+02	1.7755000E-01	4.9554000E-01	8.7986000E-02	1.9120000E-01
8.7858000E+02	1.8526000E-01	4.9573000E-01	9.1840000E-02	1.9957000E-01
8.7868000E+02	1.9322000E-01	4.9592000E-01	9.5822000E-02	2.0822000E-01
8.7878000E+02	2.0143000E-01	4.9610000E-01	9.9932000E-02	2.1716000E-01
8.7888000E+02	2.0990000E-01	4.9629000E-01	1.0417000E-01	2.2637000E-01
8.7898000E+02	2.1861000E-01	4.9648000E-01	1.0853000E-01	2.3585000E-01
8.7908000E+02	2.2756000E-01	4.9666000E-01	1.1302000E-01	2.4560000E-01
8.7918000E+02	2.3676000E-01	4.9685000E-01	1.1763000E-01	2.5562000E-01
8.7928000E+02	2.4619000E-01	4.9703000E-01	1.2236000E-01	2.6590000E-01
8.7938000E+02	2.5585000E-01	4.9722000E-01	1.2721000E-01	2.7644000E-01
8.7948000E+02	2.6573000E-01	4.9740000E-01	1.3218000E-01	2.8723000E-01
8.7958000E+02	2.7584000E-01	4.9759000E-01	1.3725000E-01	2.9825000E-01
8.7968000E+02	2.8614000E-01	4.9777000E-01	1.4243000E-01	3.0952000E-01
8.7978000E+02	2.9665000E-01	4.9795000E-01	1.4772000E-01	3.2100000E-01
8.7988000E+02	3.0736000E-01	4.9814000E-01	1.5311000E-01	3.3270000E-01
8.7998000E+02	3.1824000E-01	4.9832000E-01	1.5859000E-01	3.4461000E-01
8.8008000E+02	3.2930000E-01	4.9845000E-01	1.6414000E-01	3.5668000E-01
8.8018000E+02	3.4052000E-01	4.9858000E-01	1.6977000E-01	3.6893000E-01
8.8028000E+02	3.5189000E-01	4.9870000E-01	1.7549000E-01	3.8134000E-01
8.8038000E+02	3.6340000E-01	4.9882000E-01	1.8127000E-01	3.9391000E-01
8.8048000E+02	3.7503000E-01	4.9895000E-01	1.8712000E-01	4.0662000E-01
8.8058000E+02	3.8678000E-01	4.9907000E-01	1.9303000E-01	4.1946000E-01
8.8068000E+02	3.9862000E-01	4.9919000E-01	1.9899000E-01	4.3241000E-01
8.8078000E+02	4.1056000E-01	4.9931000E-01	2.0500000E-01	4.4547000E-01
8.8088000E+02	4.2257000E-01	4.9944000E-01	2.1104000E-01	4.5861000E-01
8.8098000E+02	4.3463000E-01	4.9956000E-01	2.1712000E-01	4.7182000E-01
8.8108000E+02	4.4674000E-01	4.9968000E-01	2.2323000E-01	4.8509000E-01
8.8118000E+02	4.5889000E-01	4.9981000E-01	2.2935000E-01	4.9840000E-01
8.8128000E+02	4.7104000E-01	4.9993000E-01	2.3549000E-01	5.1173000E-01
8.8138000E+02	4.8320000E-01	5.0006000E-01	2.4163000E-01	5.2506000E-01
8.8148000E+02	4.9534000E-01	5.0018000E-01	2.4776000E-01	5.3839000E-01
8.8158000E+02	5.0745000E-01	5.0031000E-01	2.5388000E-01	5.5170000E-01
8.8168000E+02	5.1952000E-01	5.0043000E-01	2.5998000E-01	5.6496000E-01
8.8178000E+02	5.3153000E-01	5.0055000E-01	2.6606000E-01	5.7816000E-01
8.8188000E+02	5.4347000E-01	5.0068000E-01	2.7210000E-01	5.9129000E-01
8.8198000E+02	5.5532000E-01	5.0080000E-01	2.7810000E-01	6.0433000E-01
8.8208000E+02	5.6706000E-01	5.0084000E-01	2.8401000E-01	6.1716000E-01
8.8218000E+02	5.7869000E-01	5.0085000E-01	2.8984000E-01	6.2983000E-01
8.8228000E+02	5.9019000E-01	5.0087000E-01	2.9561000E-01	6.4237000E-01
8.8238000E+02	6.0155000E-01	5.0088000E-01	3.0131000E-01	6.5475000E-01
8.8248000E+02	6.1275000E-01	5.0090000E-01	3.0693000E-01	6.6696000E-01
8.8258000E+02	6.2378000E-01	5.0091000E-01	3.1246000E-01	6.7899000E-01
8.8268000E+02	6.3464000E-01	5.0093000E-01	3.1791000E-01	6.9082000E-01

8.8278000E+02	6.4530000E-01	5.0094000E-01	3.2326000E-01	7.0245000E-01
8.8288000E+02	6.5576000E-01	5.0096000E-01	3.2851000E-01	7.1386000E-01
8.8298000E+02	6.6601000E-01	5.0097000E-01	3.3365000E-01	7.2504000E-01
8.8308000E+02	6.7603000E-01	5.0099000E-01	3.3869000E-01	7.3598000E-01
8.8318000E+02	6.8583000E-01	5.0101000E-01	3.4361000E-01	7.4667000E-01
8.8328000E+02	6.9539000E-01	5.0103000E-01	3.4841000E-01	7.5710000E-01
8.8338000E+02	7.0470000E-01	5.0105000E-01	3.5309000E-01	7.6727000E-01
8.8348000E+02	7.1375000E-01	5.0106000E-01	3.5763000E-01	7.7715000E-01
8.8358000E+02	7.2255000E-01	5.0106000E-01	3.6204000E-01	7.8674000E-01
8.8368000E+02	7.3109000E-01	5.0107000E-01	3.6632000E-01	7.9603000E-01
8.8378000E+02	7.3935000E-01	5.0107000E-01	3.7047000E-01	8.0504000E-01
8.8388000E+02	7.4734000E-01	5.0107000E-01	3.7447000E-01	8.1374000E-01
8.8398000E+02	7.5506000E-01	5.0108000E-01	3.7834000E-01	8.2215000E-01
8.8408000E+02	7.6249000E-01	5.0122000E-01	3.8218000E-01	8.3049000E-01
8.8418000E+02	7.6965000E-01	5.0141000E-01	3.8591000E-01	8.3859000E-01
8.8428000E+02	7.7653000E-01	5.0159000E-01	3.8950000E-01	8.4639000E-01
8.8438000E+02	7.8312000E-01	5.0177000E-01	3.9295000E-01	8.5389000E-01
8.8448000E+02	7.8944000E-01	5.0195000E-01	3.9626000E-01	8.6109000E-01
8.8458000E+02	7.9547000E-01	5.0213000E-01	3.9943000E-01	8.6798000E-01
8.8468000E+02	8.0123000E-01	5.0231000E-01	4.0247000E-01	8.7459000E-01
8.8478000E+02	8.0672000E-01	5.0250000E-01	4.0537000E-01	8.8089000E-01
8.8488000E+02	8.1193000E-01	5.0268000E-01	4.0814000E-01	8.8690000E-01
8.8498000E+02	8.1688000E-01	5.0286000E-01	4.1077000E-01	8.9263000E-01
8.8508000E+02	8.2156000E-01	5.0304000E-01	4.1328000E-01	8.9807000E-01
8.8518000E+02	8.2599000E-01	5.0323000E-01	4.1566000E-01	9.0324000E-01
8.8528000E+02	8.3016000E-01	5.0341000E-01	4.1791000E-01	9.0814000E-01
8.8538000E+02	8.3409000E-01	5.0359000E-01	4.2004000E-01	9.1277000E-01
8.8548000E+02	8.3778000E-01	5.0379000E-01	4.2206000E-01	9.1716000E-01
8.8558000E+02	8.4123000E-01	5.0398000E-01	4.2396000E-01	9.2129000E-01
8.8568000E+02	8.4446000E-01	5.0417000E-01	4.2575000E-01	9.2518000E-01
8.8578000E+02	8.4747000E-01	5.0436000E-01	4.2743000E-01	9.2883000E-01
8.8588000E+02	8.5027000E-01	5.0456000E-01	4.2901000E-01	9.3226000E-01
8.8598000E+02	8.5287000E-01	5.0475000E-01	4.3049000E-01	9.3546000E-01
8.8608000E+02	8.5528000E-01	5.0489000E-01	4.3182000E-01	9.3837000E-01
8.8618000E+02	8.5750000E-01	5.0503000E-01	4.3306000E-01	9.4106000E-01
8.8628000E+02	8.5954000E-01	5.0516000E-01	4.3421000E-01	9.4355000E-01
8.8638000E+02	8.6142000E-01	5.0530000E-01	4.3527000E-01	9.4587000E-01
8.8648000E+02	8.6314000E-01	5.0543000E-01	4.3626000E-01	9.4801000E-01
8.8658000E+02	8.6471000E-01	5.0556000E-01	4.3717000E-01	9.4998000E-01
8.8668000E+02	8.6614000E-01	5.0570000E-01	4.3800000E-01	9.5180000E-01
8.8678000E+02	8.6743000E-01	5.0583000E-01	4.3877000E-01	9.5347000E-01
8.8688000E+02	8.6860000E-01	5.0596000E-01	4.3948000E-01	9.5501000E-01
8.8698000E+02	8.6966000E-01	5.0610000E-01	4.4013000E-01	9.5642000E-01

8.8708000E+02	8.7061000E-01	5.0623000E-01	4.4073000E-01	9.5771000E-01
8.8718000E+02	8.7146000E-01	5.0636000E-01	4.4127000E-01	9.5889000E-01
8.8728000E+02	8.7222000E-01	5.0649000E-01	4.4177000E-01	9.5998000E-01
8.8738000E+02	8.7289000E-01	5.0662000E-01	4.4223000E-01	9.6098000E-01
8.8748000E+02	8.7350000E-01	5.0676000E-01	4.4265000E-01	9.6190000E-01
8.8758000E+02	8.7403000E-01	5.0689000E-01	4.4304000E-01	9.6274000E-01
8.8768000E+02	8.7450000E-01	5.0703000E-01	4.4340000E-01	9.6352000E-01
8.8778000E+02	8.7492000E-01	5.0716000E-01	4.4373000E-01	9.6423000E-01
8.8788000E+02	8.7529000E-01	5.0730000E-01	4.4403000E-01	9.6490000E-01
8.8798000E+02	8.7561000E-01	5.0743000E-01	4.4431000E-01	9.6551000E-01
8.8808000E+02	8.7590000E-01	5.0757000E-01	4.4458000E-01	9.6608000E-01
8.8818000E+02	8.7616000E-01	5.0770000E-01	4.4482000E-01	9.6662000E-01
8.8828000E+02	8.7639000E-01	5.0783000E-01	4.4506000E-01	9.6713000E-01
8.8838000E+02	8.7660000E-01	5.0796000E-01	4.4528000E-01	9.6761000E-01
8.8848000E+02	8.7678000E-01	5.0810000E-01	4.4549000E-01	9.6807000E-01
8.8858000E+02	8.7695000E-01	5.0823000E-01	4.4569000E-01	9.6851000E-01
8.8868000E+02	8.7711000E-01	5.0836000E-01	4.4589000E-01	9.6894000E-01
8.8878000E+02	8.7726000E-01	5.0849000E-01	4.4608000E-01	9.6936000E-01
8.8888000E+02	8.7741000E-01	5.0863000E-01	4.4627000E-01	9.6977000E-01
8.8898000E+02	8.7755000E-01	5.0876000E-01	4.4646000E-01	9.7018000E-01
8.8908000E+02	8.7769000E-01	5.0889000E-01	4.4665000E-01	9.7058000E-01
8.8918000E+02	8.7782000E-01	5.0903000E-01	4.4683000E-01	9.7099000E-01
8.8928000E+02	8.7796000E-01	5.0916000E-01	4.4702000E-01	9.7139000E-01
8.8938000E+02	8.7810000E-01	5.0929000E-01	4.4720000E-01	9.7179000E-01
8.8948000E+02	8.7823000E-01	5.0942000E-01	4.4739000E-01	9.7219000E-01
8.8958000E+02	8.7838000E-01	5.0955000E-01	4.4758000E-01	9.7260000E-01
8.8968000E+02	8.7852000E-01	5.0968000E-01	4.4776000E-01	9.7301000E-01
8.8978000E+02	8.7867000E-01	5.0981000E-01	4.4795000E-01	9.7342000E-01
8.8988000E+02	8.7881000E-01	5.0994000E-01	4.4814000E-01	9.7383000E-01
8.8998000E+02	8.7896000E-01	5.1007000E-01	4.4833000E-01	9.7424000E-01
8.9008000E+02	8.7911000E-01	5.1015000E-01	4.4848000E-01	9.7456000E-01
8.9018000E+02	8.7926000E-01	5.1021000E-01	4.4861000E-01	9.7484000E-01
8.9028000E+02	8.7941000E-01	5.1027000E-01	4.4874000E-01	9.7513000E-01
8.9038000E+02	8.7956000E-01	5.1034000E-01	4.4887000E-01	9.7541000E-01
8.9048000E+02	8.7971000E-01	5.1040000E-01	4.4900000E-01	9.7570000E-01
8.9058000E+02	8.7985000E-01	5.1046000E-01	4.4913000E-01	9.7597000E-01
8.9068000E+02	8.7998000E-01	5.1053000E-01	4.4925000E-01	9.7625000E-01
8.9078000E+02	8.8011000E-01	5.1059000E-01	4.4938000E-01	9.7651000E-01
8.9088000E+02	8.8024000E-01	5.1065000E-01	4.4949000E-01	9.7677000E-01
8.9098000E+02	8.8035000E-01	5.1071000E-01	4.4961000E-01	9.7702000E-01
8.9108000E+02	8.8046000E-01	5.1078000E-01	4.4972000E-01	9.7726000E-01
8.9118000E+02	8.8055000E-01	5.1084000E-01	4.4982000E-01	9.7748000E-01
8.9128000E+02	8.8063000E-01	5.1091000E-01	4.4993000E-01	9.7771000E-01

8.9138000E+02	8.8070000E-01	5.1098000E-01	4.5002000E-01	9.7792000E-01
8.9148000E+02	8.8076000E-01	5.1105000E-01	4.5011000E-01	9.7811000E-01
8.9158000E+02	8.8080000E-01	5.1112000E-01	4.5019000E-01	9.7829000E-01
8.9168000E+02	8.8082000E-01	5.1119000E-01	4.5027000E-01	9.7845000E-01
8.9178000E+02	8.8083000E-01	5.1126000E-01	4.5033000E-01	9.7859000E-01
8.9188000E+02	8.8083000E-01	5.1133000E-01	4.5039000E-01	9.7872000E-01
8.9198000E+02	8.8081000E-01	5.1140000E-01	4.5044000E-01	9.7882000E-01
8.9208000E+02	8.8077000E-01	5.1157000E-01	4.5057000E-01	9.7911000E-01
8.9218000E+02	8.8071000E-01	5.1176000E-01	4.5072000E-01	9.7942000E-01
8.9228000E+02	8.8064000E-01	5.1196000E-01	4.5085000E-01	9.7972000E-01
8.9238000E+02	8.8055000E-01	5.1216000E-01	4.5098000E-01	9.7999000E-01
8.9248000E+02	8.8044000E-01	5.1235000E-01	4.5110000E-01	9.8025000E-01
8.9258000E+02	8.8031000E-01	5.1255000E-01	4.5121000E-01	9.8049000E-01
8.9268000E+02	8.8017000E-01	5.1275000E-01	4.5131000E-01	9.8071000E-01
8.9278000E+02	8.8001000E-01	5.1295000E-01	4.5140000E-01	9.8091000E-01
8.9288000E+02	8.7984000E-01	5.1314000E-01	4.5148000E-01	9.8109000E-01
8.9298000E+02	8.7965000E-01	5.1334000E-01	4.5156000E-01	9.8126000E-01
8.9308000E+02	8.7945000E-01	5.1354000E-01	4.5163000E-01	9.8141000E-01
8.9318000E+02	8.7923000E-01	5.1375000E-01	4.5171000E-01	9.8158000E-01
8.9328000E+02	8.7901000E-01	5.1398000E-01	4.5179000E-01	9.8175000E-01
8.9338000E+02	8.7877000E-01	5.1420000E-01	4.5186000E-01	9.8191000E-01
8.9348000E+02	8.7852000E-01	5.1442000E-01	4.5193000E-01	9.8205000E-01
8.9358000E+02	8.7826000E-01	5.1464000E-01	4.5199000E-01	9.8219000E-01
8.9368000E+02	8.7799000E-01	5.1487000E-01	4.5205000E-01	9.8231000E-01
8.9378000E+02	8.7771000E-01	5.1509000E-01	4.5210000E-01	9.8243000E-01
8.9388000E+02	8.7743000E-01	5.1531000E-01	4.5215000E-01	9.8254000E-01
8.9398000E+02	8.7714000E-01	5.1554000E-01	4.5220000E-01	9.8264000E-01
8.9408000E+02	8.7684000E-01	5.1565000E-01	4.5214000E-01	9.8253000E-01
8.9418000E+02	8.7655000E-01	5.1574000E-01	4.5207000E-01	9.8236000E-01
8.9428000E+02	8.7624000E-01	5.1582000E-01	4.5198000E-01	9.8218000E-01
8.9438000E+02	8.7594000E-01	5.1591000E-01	4.5190000E-01	9.8200000E-01
8.9448000E+02	8.7564000E-01	5.1599000E-01	4.5182000E-01	9.8182000E-01
8.9458000E+02	8.7533000E-01	5.1608000E-01	4.5174000E-01	9.8165000E-01
8.9468000E+02	8.7503000E-01	5.1616000E-01	4.5166000E-01	9.8147000E-01
8.9478000E+02	8.7473000E-01	5.1625000E-01	4.5158000E-01	9.8129000E-01
8.9488000E+02	8.7442000E-01	5.1633000E-01	4.5149000E-01	9.8112000E-01
8.9498000E+02	8.7413000E-01	5.1642000E-01	4.5142000E-01	9.8094000E-01
8.9508000E+02	8.7383000E-01	5.1652000E-01	4.5135000E-01	9.8079000E-01
8.9518000E+02	8.7353000E-01	5.1662000E-01	4.5129000E-01	9.8067000E-01
8.9528000E+02	8.7324000E-01	5.1673000E-01	4.5123000E-01	9.8055000E-01
8.9538000E+02	8.7296000E-01	5.1684000E-01	4.5118000E-01	9.8043000E-01
8.9548000E+02	8.7267000E-01	5.1695000E-01	4.5112000E-01	9.8031000E-01
8.9558000E+02	8.7239000E-01	5.1705000E-01	4.5107000E-01	9.8020000E-01

8.9568000E+02	8.7211000E-01	5.1716000E-01	4.5102000E-01	9.8009000E-01
8.9578000E+02	8.7184000E-01	5.1727000E-01	4.5098000E-01	9.7999000E-01
8.9588000E+02	8.7157000E-01	5.1738000E-01	4.5093000E-01	9.7989000E-01
8.9598000E+02	8.7131000E-01	5.1749000E-01	4.5089000E-01	9.7980000E-01
8.9608000E+02	8.7104000E-01	5.1760000E-01	4.5085000E-01	9.7971000E-01
8.9618000E+02	8.7078000E-01	5.1771000E-01	4.5081000E-01	9.7963000E-01
8.9628000E+02	8.7053000E-01	5.1782000E-01	4.5078000E-01	9.7956000E-01
8.9638000E+02	8.7027000E-01	5.1793000E-01	4.5074000E-01	9.7948000E-01
8.9648000E+02	8.7002000E-01	5.1805000E-01	4.5071000E-01	9.7941000E-01
8.9658000E+02	8.6977000E-01	5.1816000E-01	4.5068000E-01	9.7934000E-01
8.9668000E+02	8.6952000E-01	5.1827000E-01	4.5065000E-01	9.7927000E-01
8.9678000E+02	8.6927000E-01	5.1838000E-01	4.5061000E-01	9.7920000E-01
8.9688000E+02	8.6902000E-01	5.1849000E-01	4.5058000E-01	9.7914000E-01
8.9698000E+02	8.6878000E-01	5.1861000E-01	4.5056000E-01	9.7908000E-01
8.9708000E+02	8.6853000E-01	5.1874000E-01	4.5055000E-01	9.7905000E-01
8.9718000E+02	8.6829000E-01	5.1888000E-01	4.5054000E-01	9.7903000E-01
8.9728000E+02	8.6804000E-01	5.1901000E-01	4.5052000E-01	9.7901000E-01
8.9738000E+02	8.6780000E-01	5.1915000E-01	4.5051000E-01	9.7898000E-01
8.9748000E+02	8.6755000E-01	5.1928000E-01	4.5050000E-01	9.7896000E-01
8.9758000E+02	8.6731000E-01	5.1942000E-01	4.5049000E-01	9.7894000E-01
8.9768000E+02	8.6706000E-01	5.1955000E-01	4.5048000E-01	9.7892000E-01
8.9778000E+02	8.6682000E-01	5.1969000E-01	4.5047000E-01	9.7890000E-01
8.9788000E+02	8.6658000E-01	5.1982000E-01	4.5046000E-01	9.7887000E-01
8.9798000E+02	8.6633000E-01	5.1995000E-01	4.5045000E-01	9.7885000E-01
8.9808000E+02	8.6609000E-01	5.2010000E-01	4.5046000E-01	9.7887000E-01
8.9818000E+02	8.6586000E-01	5.2026000E-01	4.5047000E-01	9.7889000E-01
8.9828000E+02	8.6562000E-01	5.2041000E-01	4.5048000E-01	9.7891000E-01
8.9838000E+02	8.6539000E-01	5.2057000E-01	4.5049000E-01	9.7893000E-01
8.9848000E+02	8.6516000E-01	5.2072000E-01	4.5050000E-01	9.7896000E-01
8.9858000E+02	8.6493000E-01	5.2087000E-01	4.5052000E-01	9.7900000E-01
8.9868000E+02	8.6472000E-01	5.2103000E-01	4.5054000E-01	9.7905000E-01
8.9878000E+02	8.6450000E-01	5.2118000E-01	4.5057000E-01	9.7910000E-01
8.9888000E+02	8.6430000E-01	5.2134000E-01	4.5059000E-01	9.7916000E-01
8.9898000E+02	8.6410000E-01	5.2151000E-01	4.5063000E-01	9.7925000E-01
8.9908000E+02	8.6391000E-01	5.2168000E-01	4.5068000E-01	9.7935000E-01
8.9918000E+02	8.6373000E-01	5.2184000E-01	4.5073000E-01	9.7946000E-01
8.9928000E+02	8.6357000E-01	5.2201000E-01	4.5079000E-01	9.7959000E-01
8.9938000E+02	8.6341000E-01	5.2218000E-01	4.5086000E-01	9.7973000E-01
8.9948000E+02	8.6327000E-01	5.2235000E-01	4.5093000E-01	9.7988000E-01
8.9958000E+02	8.6314000E-01	5.2252000E-01	4.5100000E-01	9.8005000E-01
8.9968000E+02	8.6303000E-01	5.2268000E-01	4.5109000E-01	9.8024000E-01
8.9978000E+02	8.6293000E-01	5.2285000E-01	4.5118000E-01	9.8044000E-01
8.9988000E+02	8.6285000E-01	5.2302000E-01	4.5129000E-01	9.8067000E-01

8.9998000E+02	8.6278000E-01	5.2319000E-01	4.5140000E-01	9.8091000E-01
9.0008000E+02	8.6274000E-01	5.2337000E-01	4.5153000E-01	9.8120000E-01
9.0018000E+02	8.6271000E-01	5.2355000E-01	4.5168000E-01	9.8151000E-01
9.0028000E+02	8.6270000E-01	5.2374000E-01	4.5183000E-01	9.8184000E-01
9.0038000E+02	8.6271000E-01	5.2392000E-01	4.5199000E-01	9.8220000E-01
9.0048000E+02	8.6274000E-01	5.2411000E-01	4.5217000E-01	9.8258000E-01
9.0058000E+02	8.6280000E-01	5.2429000E-01	4.5235000E-01	9.8298000E-01
9.0068000E+02	8.6287000E-01	5.2447000E-01	4.5255000E-01	9.8341000E-01
9.0078000E+02	8.6296000E-01	5.2465000E-01	4.5275000E-01	9.8385000E-01
9.0088000E+02	8.6307000E-01	5.2484000E-01	4.5297000E-01	9.8432000E-01
9.0098000E+02	8.6320000E-01	5.2502000E-01	4.5320000E-01	9.8482000E-01
9.0108000E+02	8.6335000E-01	5.2521000E-01	4.5344000E-01	9.8533000E-01
9.0118000E+02	8.6351000E-01	5.2539000E-01	4.5368000E-01	9.8586000E-01
9.0128000E+02	8.6369000E-01	5.2557000E-01	4.5393000E-01	9.8641000E-01
9.0138000E+02	8.6389000E-01	5.2575000E-01	4.5419000E-01	9.8698000E-01
9.0148000E+02	8.6410000E-01	5.2593000E-01	4.5446000E-01	9.8756000E-01
9.0158000E+02	8.6433000E-01	5.2611000E-01	4.5474000E-01	9.8816000E-01
9.0168000E+02	8.6457000E-01	5.2629000E-01	4.5502000E-01	9.8877000E-01
9.0178000E+02	8.6482000E-01	5.2647000E-01	4.5530000E-01	9.8939000E-01
9.0188000E+02	8.6507000E-01	5.2665000E-01	4.5559000E-01	9.9002000E-01
9.0198000E+02	8.6533000E-01	5.2683000E-01	4.5589000E-01	9.9066000E-01
9.0208000E+02	8.6560000E-01	5.2702000E-01	4.5618000E-01	9.9130000E-01
9.0218000E+02	8.6587000E-01	5.2720000E-01	4.5648000E-01	9.9195000E-01
9.0228000E+02	8.6613000E-01	5.2738000E-01	4.5678000E-01	9.9260000E-01
9.0238000E+02	8.6640000E-01	5.2756000E-01	4.5708000E-01	9.9325000E-01
9.0248000E+02	8.6665000E-01	5.2775000E-01	4.5737000E-01	9.9389000E-01
9.0258000E+02	8.6690000E-01	5.2793000E-01	4.5766000E-01	9.9452000E-01
9.0268000E+02	8.6715000E-01	5.2811000E-01	4.5795000E-01	9.9514000E-01
9.0278000E+02	8.6737000E-01	5.2828000E-01	4.5821000E-01	9.9571000E-01
9.0288000E+02	8.6758000E-01	5.2842000E-01	4.5845000E-01	9.9623000E-01
9.0298000E+02	8.6778000E-01	5.2856000E-01	4.5867000E-01	9.9672000E-01
9.0308000E+02	8.6795000E-01	5.2871000E-01	4.5889000E-01	9.9719000E-01
9.0318000E+02	8.6810000E-01	5.2885000E-01	4.5909000E-01	9.9763000E-01
9.0328000E+02	8.6822000E-01	5.2899000E-01	4.5928000E-01	9.9804000E-01
9.0338000E+02	8.6831000E-01	5.2914000E-01	4.5946000E-01	9.9842000E-01
9.0348000E+02	8.6838000E-01	5.2928000E-01	4.5962000E-01	9.9876000E-01
9.0358000E+02	8.6841000E-01	5.2942000E-01	4.5976000E-01	9.9907000E-01
9.0368000E+02	8.6841000E-01	5.2957000E-01	4.5988000E-01	9.9934000E-01
9.0378000E+02	8.6837000E-01	5.2971000E-01	4.5999000E-01	9.9957000E-01
9.0388000E+02	8.6830000E-01	5.2985000E-01	4.6007000E-01	9.9975000E-01
9.0398000E+02	8.6818000E-01	5.3000000E-01	4.6013000E-01	9.9989000E-01
9.0408000E+02	8.6803000E-01	5.3013000E-01	4.6017000E-01	9.9997000E-01
9.0418000E+02	8.6783000E-01	5.3027000E-01	4.6019000E-01	1.0000000E+00

9.0428000E+02	8.6760000E-01	5.3040000E-01	4.6018000E-01	9.9998000E-01
9.0438000E+02	8.6732000E-01	5.3054000E-01	4.6015000E-01	9.9992000E-01
9.0448000E+02	8.6700000E-01	5.3067000E-01	4.6010000E-01	9.9981000E-01
9.0458000E+02	8.6664000E-01	5.3081000E-01	4.6002000E-01	9.9964000E-01
9.0468000E+02	8.6624000E-01	5.3094000E-01	4.5992000E-01	9.9943000E-01
9.0478000E+02	8.6581000E-01	5.3105000E-01	4.5979000E-01	9.9913000E-01
9.0488000E+02	8.6533000E-01	5.3116000E-01	4.5963000E-01	9.9879000E-01
9.0498000E+02	8.6481000E-01	5.3127000E-01	4.5945000E-01	9.9841000E-01
9.0508000E+02	8.6426000E-01	5.3138000E-01	4.5925000E-01	9.9798000E-01
9.0518000E+02	8.6368000E-01	5.3149000E-01	4.5904000E-01	9.9750000E-01
9.0528000E+02	8.6306000E-01	5.3160000E-01	4.5880000E-01	9.9700000E-01
9.0538000E+02	8.6242000E-01	5.3170000E-01	4.5855000E-01	9.9645000E-01
9.0548000E+02	8.6175000E-01	5.3181000E-01	4.5829000E-01	9.9588000E-01
9.0558000E+02	8.6106000E-01	5.3192000E-01	4.5802000E-01	9.9528000E-01
9.0568000E+02	8.6036000E-01	5.3203000E-01	4.5773000E-01	9.9467000E-01
9.0578000E+02	8.5963000E-01	5.3213000E-01	4.5744000E-01	9.9403000E-01
9.0588000E+02	8.5890000E-01	5.3224000E-01	4.5714000E-01	9.9338000E-01
9.0598000E+02	8.5815000E-01	5.3234000E-01	4.5683000E-01	9.9271000E-01
9.0608000E+02	8.5741000E-01	5.3232000E-01	4.5641000E-01	9.9180000E-01
9.0618000E+02	8.5667000E-01	5.3226000E-01	4.5596000E-01	9.9083000E-01
9.0628000E+02	8.5593000E-01	5.3219000E-01	4.5552000E-01	9.8986000E-01
9.0638000E+02	8.5520000E-01	5.3213000E-01	4.5508000E-01	9.8891000E-01
9.0648000E+02	8.5448000E-01	5.3207000E-01	4.5465000E-01	9.8796000E-01
9.0658000E+02	8.5379000E-01	5.3201000E-01	4.5422000E-01	9.8705000E-01
9.0668000E+02	8.5312000E-01	5.3194000E-01	4.5381000E-01	9.8614000E-01
9.0678000E+02	8.5247000E-01	5.3187000E-01	4.5341000E-01	9.8527000E-01
9.0688000E+02	8.5186000E-01	5.3180000E-01	4.5302000E-01	9.8443000E-01
9.0698000E+02	8.5128000E-01	5.3173000E-01	4.5265000E-01	9.8364000E-01
9.0708000E+02	8.5074000E-01	5.3166000E-01	4.5231000E-01	9.8288000E-01
9.0718000E+02	8.5025000E-01	5.3159000E-01	4.5198000E-01	9.8218000E-01
9.0728000E+02	8.4980000E-01	5.3152000E-01	4.5168000E-01	9.8152000E-01
9.0738000E+02	8.4940000E-01	5.3144000E-01	4.5141000E-01	9.8093000E-01
9.0748000E+02	8.4905000E-01	5.3137000E-01	4.5116000E-01	9.8039000E-01
9.0758000E+02	8.4876000E-01	5.3130000E-01	4.5095000E-01	9.7992000E-01
9.0768000E+02	8.4853000E-01	5.3122000E-01	4.5076000E-01	9.7951000E-01
9.0778000E+02	8.4835000E-01	5.3115000E-01	4.5060000E-01	9.7917000E-01
9.0788000E+02	8.4823000E-01	5.3108000E-01	4.5048000E-01	9.7890000E-01
9.0798000E+02	8.4818000E-01	5.3100000E-01	4.5038000E-01	9.7870000E-01
9.0808000E+02	8.4818000E-01	5.3096000E-01	4.5035000E-01	9.7862000E-01
9.0818000E+02	8.4824000E-01	5.3093000E-01	4.5035000E-01	9.7863000E-01
9.0828000E+02	8.4836000E-01	5.3089000E-01	4.5039000E-01	9.7871000E-01
9.0838000E+02	8.4854000E-01	5.3086000E-01	4.5045000E-01	9.7885000E-01
9.0848000E+02	8.4877000E-01	5.3083000E-01	4.5055000E-01	9.7905000E-01

9.0858000E+02	8.4905000E-01	5.3078000E-01	4.5066000E-01	9.7929000E-01
9.0868000E+02	8.4937000E-01	5.3072000E-01	4.5078000E-01	9.7957000E-01
9.0878000E+02	8.4974000E-01	5.3067000E-01	4.5093000E-01	9.7989000E-01
9.0888000E+02	8.5015000E-01	5.3061000E-01	4.5110000E-01	9.8025000E-01
9.0898000E+02	8.5060000E-01	5.3055000E-01	4.5128000E-01	9.8066000E-01
9.0908000E+02	8.5106000E-01	5.3049000E-01	4.5148000E-01	9.8109000E-01
9.0918000E+02	8.5155000E-01	5.3044000E-01	4.5169000E-01	9.8154000E-01
9.0928000E+02	8.5205000E-01	5.3038000E-01	4.5191000E-01	9.8201000E-01
9.0938000E+02	8.5255000E-01	5.3032000E-01	4.5212000E-01	9.8248000E-01
9.0948000E+02	8.5304000E-01	5.3026000E-01	4.5234000E-01	9.8295000E-01
9.0958000E+02	8.5352000E-01	5.3020000E-01	4.5254000E-01	9.8339000E-01
9.0968000E+02	8.5398000E-01	5.3015000E-01	4.5273000E-01	9.8381000E-01
9.0978000E+02	8.5440000E-01	5.3009000E-01	4.5291000E-01	9.8418000E-01
9.0988000E+02	8.5477000E-01	5.3003000E-01	4.5305000E-01	9.8450000E-01
9.0998000E+02	8.5508000E-01	5.2997000E-01	4.5317000E-01	9.8475000E-01
9.1008000E+02	8.5533000E-01	5.3001000E-01	4.5334000E-01	9.8512000E-01
9.1018000E+02	8.5549000E-01	5.3008000E-01	4.5348000E-01	9.8543000E-01
9.1028000E+02	8.5555000E-01	5.3016000E-01	4.5358000E-01	9.8564000E-01
9.1038000E+02	8.5551000E-01	5.3023000E-01	4.5361000E-01	9.8572000E-01
9.1048000E+02	8.5534000E-01	5.3029000E-01	4.5358000E-01	9.8565000E-01
9.1058000E+02	8.5504000E-01	5.3034000E-01	4.5346000E-01	9.8539000E-01
9.1068000E+02	8.5459000E-01	5.3039000E-01	4.5326000E-01	9.8496000E-01
9.1078000E+02	8.5398000E-01	5.3043000E-01	4.5298000E-01	9.8434000E-01
9.1088000E+02	8.5319000E-01	5.3048000E-01	4.5260000E-01	9.8352000E-01
9.1098000E+02	8.5221000E-01	5.3053000E-01	4.5212000E-01	9.8247000E-01
9.1108000E+02	8.5102000E-01	5.3058000E-01	4.5153000E-01	9.8120000E-01
9.1118000E+02	8.4962000E-01	5.3062000E-01	4.5083000E-01	9.7967000E-01
9.1128000E+02	8.4799000E-01	5.3067000E-01	4.5000000E-01	9.7787000E-01
9.1138000E+02	8.4611000E-01	5.3072000E-01	4.4905000E-01	9.7580000E-01
9.1148000E+02	8.4398000E-01	5.3076000E-01	4.4796000E-01	9.7343000E-01
9.1158000E+02	8.4158000E-01	5.3081000E-01	4.4672000E-01	9.7074000E-01
9.1168000E+02	8.3891000E-01	5.3086000E-01	4.4534000E-01	9.6774000E-01
9.1178000E+02	8.3594000E-01	5.3090000E-01	4.4380000E-01	9.6440000E-01
9.1188000E+02	8.3266000E-01	5.3095000E-01	4.4210000E-01	9.6071000E-01
9.1198000E+02	8.2908000E-01	5.3100000E-01	4.4024000E-01	9.5666000E-01
9.1208000E+02	8.2518000E-01	5.3099000E-01	4.3816000E-01	9.5213000E-01
9.1218000E+02	8.2095000E-01	5.3096000E-01	4.3589000E-01	9.4721000E-01
9.1228000E+02	8.1638000E-01	5.3094000E-01	4.3345000E-01	9.4189000E-01
9.1238000E+02	8.1146000E-01	5.3092000E-01	4.3082000E-01	9.3619000E-01
9.1248000E+02	8.0620000E-01	5.3087000E-01	4.2799000E-01	9.3004000E-01
9.1258000E+02	8.0058000E-01	5.3082000E-01	4.2497000E-01	9.2348000E-01
9.1268000E+02	7.9461000E-01	5.3078000E-01	4.2176000E-01	9.1650000E-01
9.1278000E+02	7.8828000E-01	5.3073000E-01	4.1836000E-01	9.0911000E-01

9.1288000E+02	7.8158000E-01	5.3068000E-01	4.1477000E-01	9.0131000E-01
9.1298000E+02	7.7451000E-01	5.3063000E-01	4.1098000E-01	8.9308000E-01
9.1308000E+02	7.6709000E-01	5.3059000E-01	4.0701000E-01	8.8444000E-01
9.1318000E+02	7.5930000E-01	5.3054000E-01	4.0284000E-01	8.7538000E-01
9.1328000E+02	7.5115000E-01	5.3049000E-01	3.9848000E-01	8.6591000E-01
9.1338000E+02	7.4264000E-01	5.3045000E-01	3.9393000E-01	8.5602000E-01
9.1348000E+02	7.3378000E-01	5.3040000E-01	3.8919000E-01	8.4573000E-01
9.1358000E+02	7.2457000E-01	5.3035000E-01	3.8428000E-01	8.3505000E-01
9.1368000E+02	7.1503000E-01	5.3030000E-01	3.7918000E-01	8.2397000E-01
9.1378000E+02	7.0515000E-01	5.3025000E-01	3.7391000E-01	8.1251000E-01
9.1388000E+02	6.9495000E-01	5.3020000E-01	3.6846000E-01	8.0068000E-01
9.1398000E+02	6.8443000E-01	5.3015000E-01	3.6285000E-01	7.8849000E-01
9.1408000E+02	6.7361000E-01	5.3011000E-01	3.5709000E-01	7.7597000E-01
9.1418000E+02	6.6250000E-01	5.3007000E-01	3.5117000E-01	7.6311000E-01
9.1428000E+02	6.5112000E-01	5.3003000E-01	3.4511000E-01	7.4994000E-01
9.1438000E+02	6.3947000E-01	5.2998000E-01	3.3890000E-01	7.3645000E-01
9.1448000E+02	6.2757000E-01	5.2992000E-01	3.3256000E-01	7.2266000E-01
9.1458000E+02	6.1543000E-01	5.2986000E-01	3.2609000E-01	7.0860000E-01
9.1468000E+02	6.0308000E-01	5.2980000E-01	3.1951000E-01	6.9430000E-01
9.1478000E+02	5.9052000E-01	5.2973000E-01	3.1282000E-01	6.7977000E-01
9.1488000E+02	5.7778000E-01	5.2967000E-01	3.0604000E-01	6.6503000E-01
9.1498000E+02	5.6488000E-01	5.2961000E-01	2.9916000E-01	6.5010000E-01
9.1508000E+02	5.5182000E-01	5.2955000E-01	2.9222000E-01	6.3500000E-01
9.1518000E+02	5.3864000E-01	5.2949000E-01	2.8520000E-01	6.1975000E-01
9.1528000E+02	5.2535000E-01	5.2942000E-01	2.7813000E-01	6.0439000E-01
9.1538000E+02	5.1196000E-01	5.2936000E-01	2.7101000E-01	5.8892000E-01
9.1548000E+02	4.9851000E-01	5.2930000E-01	2.6386000E-01	5.7338000E-01
9.1558000E+02	4.8501000E-01	5.2923000E-01	2.5668000E-01	5.5778000E-01
9.1568000E+02	4.7147000E-01	5.2917000E-01	2.4949000E-01	5.4215000E-01
9.1578000E+02	4.5793000E-01	5.2910000E-01	2.4229000E-01	5.2651000E-01
9.1588000E+02	4.4440000E-01	5.2904000E-01	2.3510000E-01	5.1089000E-01
9.1598000E+02	4.3089000E-01	5.2897000E-01	2.2793000E-01	4.9530000E-01
9.1608000E+02	4.1744000E-01	5.2889000E-01	2.2078000E-01	4.7976000E-01
9.1618000E+02	4.0405000E-01	5.2880000E-01	2.1366000E-01	4.6430000E-01
9.1628000E+02	3.9075000E-01	5.2870000E-01	2.0659000E-01	4.4893000E-01
9.1638000E+02	3.7756000E-01	5.2858000E-01	1.9957000E-01	4.3368000E-01
9.1648000E+02	3.6450000E-01	5.2846000E-01	1.9262000E-01	4.1858000E-01
9.1658000E+02	3.5157000E-01	5.2834000E-01	1.8575000E-01	4.0364000E-01
9.1668000E+02	3.3881000E-01	5.2822000E-01	1.7897000E-01	3.8890000E-01
9.1678000E+02	3.2622000E-01	5.2810000E-01	1.7228000E-01	3.7436000E-01
9.1688000E+02	3.1382000E-01	5.2798000E-01	1.6569000E-01	3.6005000E-01
9.1698000E+02	3.0163000E-01	5.2786000E-01	1.5922000E-01	3.4599000E-01
9.1708000E+02	2.8966000E-01	5.2774000E-01	1.5287000E-01	3.3218000E-01

9.1718000E+02	2.7793000E-01	5.2762000E-01	1.4664000E-01	3.1865000E-01
9.1728000E+02	2.6644000E-01	5.2749000E-01	1.4055000E-01	3.0541000E-01
9.1738000E+02	2.5521000E-01	5.2737000E-01	1.3459000E-01	2.9248000E-01
9.1748000E+02	2.4426000E-01	5.2725000E-01	1.2878000E-01	2.7985000E-01
9.1758000E+02	2.3358000E-01	5.2713000E-01	1.2312000E-01	2.6755000E-01
9.1768000E+02	2.2318000E-01	5.2700000E-01	1.1762000E-01	2.5559000E-01
9.1778000E+02	2.1309000E-01	5.2688000E-01	1.1227000E-01	2.4397000E-01
9.1788000E+02	2.0329000E-01	5.2676000E-01	1.0709000E-01	2.3270000E-01
9.1798000E+02	1.9381000E-01	5.2663000E-01	1.0207000E-01	2.2179000E-01
9.1808000E+02	1.8463000E-01	5.2642000E-01	9.7196000E-02	2.1121000E-01
9.1818000E+02	1.7578000E-01	5.2619000E-01	9.2494000E-02	2.0099000E-01
9.1828000E+02	1.6724000E-01	5.2596000E-01	8.7964000E-02	1.9115000E-01
9.1838000E+02	1.5903000E-01	5.2573000E-01	8.3606000E-02	1.8168000E-01
9.1848000E+02	1.5114000E-01	5.2549000E-01	7.9421000E-02	1.7258000E-01
9.1858000E+02	1.4356000E-01	5.2526000E-01	7.5409000E-02	1.6387000E-01
9.1868000E+02	1.3632000E-01	5.2502000E-01	7.1569000E-02	1.5552000E-01
9.1878000E+02	1.2938000E-01	5.2479000E-01	6.7899000E-02	1.4755000E-01
9.1888000E+02	1.2277000E-01	5.2455000E-01	6.4399000E-02	1.3994000E-01
9.1898000E+02	1.1647000E-01	5.2432000E-01	6.1066000E-02	1.3270000E-01
9.1908000E+02	1.1047000E-01	5.2408000E-01	5.7897000E-02	1.2581000E-01
9.1918000E+02	1.0478000E-01	5.2384000E-01	5.4889000E-02	1.1928000E-01
9.1928000E+02	9.9388000E-02	5.2361000E-01	5.2040000E-02	1.1309000E-01
9.1938000E+02	9.4284000E-02	5.2337000E-01	4.9345000E-02	1.0723000E-01
9.1948000E+02	8.9463000E-02	5.2313000E-01	4.6801000E-02	1.0170000E-01
9.1958000E+02	8.4918000E-02	5.2289000E-01	4.4403000E-02	9.6490000E-02
9.1968000E+02	8.0641000E-02	5.2266000E-01	4.2148000E-02	9.1588000E-02
9.1978000E+02	7.6622000E-02	5.2242000E-01	4.0029000E-02	8.6984000E-02
9.1988000E+02	7.2853000E-02	5.2218000E-01	3.8042000E-02	8.2668000E-02
9.1998000E+02	6.9324000E-02	5.2194000E-01	3.6183000E-02	7.8627000E-02
9.2008000E+02	6.6026000E-02	5.2175000E-01	3.4449000E-02	7.4859000E-02
9.2018000E+02	6.2948000E-02	5.2160000E-01	3.2833000E-02	7.1348000E-02
9.2028000E+02	6.0080000E-02	5.2144000E-01	3.1328000E-02	6.8077000E-02
9.2038000E+02	5.7412000E-02	5.2129000E-01	2.9928000E-02	6.5035000E-02
9.2048000E+02	5.4933000E-02	5.2114000E-01	2.8627000E-02	6.2208000E-02
9.2058000E+02	5.2632000E-02	5.2098000E-01	2.7420000E-02	5.9586000E-02
9.2068000E+02	5.0500000E-02	5.2083000E-01	2.6302000E-02	5.7154000E-02
9.2078000E+02	4.9257000E-02	5.2067000E-01	2.5647000E-02	5.5731000E-02
9.2088000E+02	4.7375000E-02	5.2052000E-01	2.4660000E-02	5.3587000E-02
9.2098000E+02	4.5630000E-02	5.2036000E-01	2.3744000E-02	5.1597000E-02
9.2108000E+02	4.4011000E-02	5.2021000E-01	2.2895000E-02	4.9752000E-02
9.2118000E+02	4.2509000E-02	5.2005000E-01	2.2107000E-02	4.8039000E-02
9.2128000E+02	4.1113000E-02	5.1989000E-01	2.1374000E-02	4.6447000E-02
9.2138000E+02	3.9813000E-02	5.1973000E-01	2.0692000E-02	4.4965000E-02

9.2148000E+02	3.8601000E-02	5.1957000E-01	2.0056000E-02	4.3583000E-02
9.2158000E+02	3.7468000E-02	5.1942000E-01	1.9462000E-02	4.2291000E-02
9.2168000E+02	3.6405000E-02	5.1926000E-01	1.8903000E-02	4.1078000E-02
9.2178000E+02	3.5403000E-02	5.1910000E-01	1.8377000E-02	3.9935000E-02
9.2188000E+02	3.4454000E-02	5.1894000E-01	1.7880000E-02	3.8854000E-02
9.2198000E+02	3.3553000E-02	5.1878000E-01	1.7407000E-02	3.7825000E-02
9.2208000E+02	3.2690000E-02	5.1862000E-01	1.6954000E-02	3.6842000E-02
9.2218000E+02	3.1861000E-02	5.1847000E-01	1.6519000E-02	3.5897000E-02
9.2228000E+02	3.1060000E-02	5.1831000E-01	1.6098000E-02	3.4982000E-02
9.2238000E+02	3.0280000E-02	5.1815000E-01	1.5689000E-02	3.4093000E-02
9.2248000E+02	2.9516000E-02	5.1799000E-01	1.5289000E-02	3.3224000E-02
9.2258000E+02	2.8766000E-02	5.1783000E-01	1.4896000E-02	3.2369000E-02
9.2268000E+02	2.8024000E-02	5.1767000E-01	1.4507000E-02	3.1524000E-02
9.2278000E+02	2.7287000E-02	5.1751000E-01	1.4121000E-02	3.0686000E-02
9.2288000E+02	2.6553000E-02	5.1735000E-01	1.3737000E-02	2.9851000E-02
9.2298000E+02	2.5819000E-02	5.1720000E-01	1.3353000E-02	2.9017000E-02
9.2308000E+02	2.5083000E-02	5.1704000E-01	1.2969000E-02	2.8182000E-02
9.2318000E+02	2.4344000E-02	5.1688000E-01	1.2583000E-02	2.7343000E-02
9.2328000E+02	2.3601000E-02	5.1673000E-01	1.2195000E-02	2.6501000E-02
9.2338000E+02	2.2853000E-02	5.1657000E-01	1.1805000E-02	2.5653000E-02
9.2348000E+02	2.2100000E-02	5.1641000E-01	1.1413000E-02	2.4801000E-02
9.2358000E+02	2.1343000E-02	5.1626000E-01	1.1018000E-02	2.3943000E-02
9.2368000E+02	2.0581000E-02	5.1610000E-01	1.0622000E-02	2.3082000E-02
9.2378000E+02	1.9816000E-02	5.1594000E-01	1.0224000E-02	2.2217000E-02
9.2388000E+02	1.9048000E-02	5.1579000E-01	9.8249000E-03	2.1350000E-02
9.2398000E+02	1.8280000E-02	5.1563000E-01	9.4256000E-03	2.0482000E-02
9.2408000E+02	1.7512000E-02	5.1551000E-01	9.0275000E-03	1.9617000E-02
9.2418000E+02	1.6746000E-02	5.1540000E-01	8.6309000E-03	1.8755000E-02
9.2428000E+02	1.5984000E-02	5.1529000E-01	8.2366000E-03	1.7898000E-02
9.2438000E+02	1.5229000E-02	5.1518000E-01	7.8455000E-03	1.7049000E-02
9.2448000E+02	1.4481000E-02	5.1507000E-01	7.4588000E-03	1.6208000E-02
9.2458000E+02	1.3744000E-02	5.1496000E-01	7.0774000E-03	1.5380000E-02
9.2468000E+02	1.3019000E-02	5.1485000E-01	6.7026000E-03	1.4565000E-02
9.2478000E+02	1.2308000E-02	5.1474000E-01	6.3352000E-03	1.3767000E-02
9.2488000E+02	1.1613000E-02	5.1463000E-01	5.9764000E-03	1.2987000E-02
9.2498000E+02	1.0937000E-02	5.1452000E-01	5.6271000E-03	1.2228000E-02
9.2508000E+02	1.0280000E-02	5.1441000E-01	5.2882000E-03	1.1491000E-02
9.2518000E+02	9.6449000E-03	5.1430000E-01	4.9604000E-03	1.0779000E-02
9.2528000E+02	9.0327000E-03	5.1420000E-01	4.6446000E-03	1.0093000E-02
9.2538000E+02	8.4446000E-03	5.1409000E-01	4.3413000E-03	9.4337000E-03
9.2548000E+02	7.8813000E-03	5.1398000E-01	4.0509000E-03	8.8027000E-03
9.2558000E+02	7.3438000E-03	5.1388000E-01	3.7738000E-03	8.2006000E-03
9.2568000E+02	6.8322000E-03	5.1377000E-01	3.5102000E-03	7.6278000E-03

9.2578000E+02	6.3469000E-03	5.1367000E-01	3.2602000E-03	7.0845000E-03
9.2588000E+02	5.8876000E-03	5.1356000E-01	3.0236000E-03	6.5705000E-03
9.2598000E+02	5.4541000E-03	5.1345000E-01	2.8004000E-03	6.0853000E-03
9.2608000E+02	5.0458000E-03	5.1325000E-01	2.5898000E-03	5.6277000E-03
9.2618000E+02	4.6622000E-03	5.1304000E-01	2.3919000E-03	5.1977000E-03
9.2628000E+02	4.3029000E-03	5.1282000E-01	2.2066000E-03	4.7950000E-03
9.2638000E+02	3.9673000E-03	5.1260000E-01	2.0336000E-03	4.4191000E-03
9.2648000E+02	3.6553000E-03	5.1239000E-01	1.8729000E-03	4.0700000E-03
9.2658000E+02	3.3675000E-03	5.1217000E-01	1.7247000E-03	3.7479000E-03
9.2668000E+02	3.1048000E-03	5.1196000E-01	1.5895000E-03	3.4540000E-03
9.2678000E+02	2.8688000E-03	5.1174000E-01	1.4681000E-03	3.1902000E-03
9.2688000E+02	2.6622000E-03	5.1153000E-01	1.3618000E-03	2.9592000E-03
9.2698000E+02	2.4875000E-03	5.1131000E-01	1.2719000E-03	2.7638000E-03
9.2708000E+02	2.3476000E-03	5.1110000E-01	1.1999000E-03	2.6074000E-03
9.2718000E+02	2.2451000E-03	5.1088000E-01	1.1470000E-03	2.4924000E-03
9.2728000E+02	2.1816000E-03	5.1067000E-01	1.1141000E-03	2.4209000E-03
9.2738000E+02	2.1582000E-03	5.1045000E-01	1.1017000E-03	2.3940000E-03
9.2748000E+02	0.0000000E+00	5.1024000E-01	0.0000000E+00	0.0000000E+00
Channel 9				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
9.9633000E+02	0.0000000E+00	4.2163000E-01	0.0000000E+00	0.0000000E+00
9.9643000E+02	2.9548000E-03	4.2165000E-01	1.2459000E-03	3.6133000E-03
9.9653000E+02	3.0467000E-03	4.2167000E-01	1.2847000E-03	3.7259000E-03
9.9663000E+02	3.1448000E-03	4.2168000E-01	1.3261000E-03	3.8460000E-03
9.9673000E+02	3.2493000E-03	4.2170000E-01	1.3702000E-03	3.9739000E-03
9.9683000E+02	3.3604000E-03	4.2171000E-01	1.4171000E-03	4.1100000E-03
9.9693000E+02	3.4784000E-03	4.2173000E-01	1.4669000E-03	4.2545000E-03
9.9703000E+02	3.6032000E-03	4.2174000E-01	1.5196000E-03	4.4072000E-03
9.9713000E+02	3.7346000E-03	4.2176000E-01	1.5751000E-03	4.5681000E-03
9.9723000E+02	3.8723000E-03	4.2177000E-01	1.6332000E-03	4.7367000E-03
9.9733000E+02	4.0160000E-03	4.2176000E-01	1.6938000E-03	4.9124000E-03
9.9743000E+02	4.1652000E-03	4.2175000E-01	1.7566000E-03	5.0946000E-03
9.9753000E+02	4.3192000E-03	4.2173000E-01	1.8215000E-03	5.2828000E-03
9.9763000E+02	4.4774000E-03	4.2171000E-01	1.8882000E-03	5.4761000E-03
9.9773000E+02	4.6391000E-03	4.2170000E-01	1.9563000E-03	5.6737000E-03
9.9783000E+02	4.8035000E-03	4.2168000E-01	2.0255000E-03	5.8745000E-03
9.9793000E+02	4.9697000E-03	4.2166000E-01	2.0955000E-03	6.0775000E-03
9.9803000E+02	5.1369000E-03	4.2163000E-01	2.1659000E-03	6.2815000E-03
9.9813000E+02	5.3043000E-03	4.2154000E-01	2.2360000E-03	6.4849000E-03
9.9823000E+02	5.4710000E-03	4.2146000E-01	2.3058000E-03	6.6874000E-03

9.9833000E+02	5.6361000E-03	4.2138000E-01	2.3750000E-03	6.8879000E-03
9.9843000E+02	5.7988000E-03	4.2130000E-01	2.4431000E-03	7.0854000E-03
9.9853000E+02	5.9582000E-03	4.2122000E-01	2.5098000E-03	7.2788000E-03
9.9863000E+02	6.1137000E-03	4.2114000E-01	2.5747000E-03	7.4673000E-03
9.9873000E+02	6.2643000E-03	4.2106000E-01	2.6377000E-03	7.6498000E-03
9.9883000E+02	6.4095000E-03	4.2098000E-01	2.6983000E-03	7.8256000E-03
9.9893000E+02	6.5485000E-03	4.2090000E-01	2.7563000E-03	7.9937000E-03
9.9903000E+02	6.6807000E-03	4.2082000E-01	2.8114000E-03	8.1535000E-03
9.9913000E+02	6.8055000E-03	4.2073000E-01	2.8633000E-03	8.3043000E-03
9.9923000E+02	6.9225000E-03	4.2065000E-01	2.9120000E-03	8.4453000E-03
9.9933000E+02	7.0312000E-03	4.2057000E-01	2.9571000E-03	8.5763000E-03
9.9943000E+02	7.1311000E-03	4.2049000E-01	2.9986000E-03	8.6965000E-03
9.9953000E+02	7.2221000E-03	4.2041000E-01	3.0362000E-03	8.8057000E-03
9.9963000E+02	7.3038000E-03	4.2033000E-01	3.0700000E-03	8.9036000E-03
9.9973000E+02	7.3760000E-03	4.2025000E-01	3.0998000E-03	8.9899000E-03
9.9983000E+02	7.4387000E-03	4.2017000E-01	3.1255000E-03	9.0646000E-03
9.9993000E+02	7.4918000E-03	4.2009000E-01	3.1472000E-03	9.1275000E-03
1.0000000E+03	7.5353000E-03	4.1999000E-01	3.1647000E-03	9.1783000E-03
1.0001000E+03	7.5694000E-03	4.1984000E-01	3.1779000E-03	9.2167000E-03
1.0002000E+03	7.5943000E-03	4.1969000E-01	3.1873000E-03	9.2438000E-03
1.0003000E+03	7.6103000E-03	4.1954000E-01	3.1928000E-03	9.2599000E-03
1.0004000E+03	7.6176000E-03	4.1940000E-01	3.1948000E-03	9.2657000E-03
1.0005000E+03	7.6168000E-03	4.1925000E-01	3.1934000E-03	9.2614000E-03
1.0006000E+03	7.6083000E-03	4.1910000E-01	3.1887000E-03	9.2479000E-03
1.0007000E+03	7.5928000E-03	4.1896000E-01	3.1811000E-03	9.2257000E-03
1.0008000E+03	7.5708000E-03	4.1881000E-01	3.1707000E-03	9.1958000E-03
1.0009000E+03	7.5430000E-03	4.1866000E-01	3.1580000E-03	9.1588000E-03
1.0010000E+03	7.5103000E-03	4.1852000E-01	3.1432000E-03	9.1159000E-03
1.0011000E+03	7.4735000E-03	4.1837000E-01	3.1267000E-03	9.0681000E-03
1.0012000E+03	7.4334000E-03	4.1824000E-01	3.1090000E-03	9.0167000E-03
1.0013000E+03	7.3910000E-03	4.1812000E-01	3.0903000E-03	8.9625000E-03
1.0014000E+03	7.3472000E-03	4.1799000E-01	3.0710000E-03	8.9067000E-03
1.0015000E+03	7.3031000E-03	4.1786000E-01	3.0517000E-03	8.8505000E-03
1.0016000E+03	7.2597000E-03	4.1773000E-01	3.0326000E-03	8.7952000E-03
1.0017000E+03	7.2180000E-03	4.1760000E-01	3.0142000E-03	8.7420000E-03
1.0018000E+03	7.1791000E-03	4.1747000E-01	2.9971000E-03	8.6921000E-03
1.0019000E+03	7.1439000E-03	4.1734000E-01	2.9815000E-03	8.6468000E-03
1.0020000E+03	7.1135000E-03	4.1723000E-01	2.9680000E-03	8.6078000E-03
1.0021000E+03	7.0890000E-03	4.1716000E-01	2.9572000E-03	8.5766000E-03
1.0022000E+03	7.0712000E-03	4.1709000E-01	2.9493000E-03	8.5535000E-03
1.0023000E+03	7.0610000E-03	4.1701000E-01	2.9445000E-03	8.5398000E-03
1.0024000E+03	7.0593000E-03	4.1694000E-01	2.9433000E-03	8.5363000E-03
1.0025000E+03	7.0670000E-03	4.1687000E-01	2.9460000E-03	8.5441000E-03

1.0026000E+03	7.0848000E-03	4.1680000E-01	2.9529000E-03	8.5641000E-03
1.0027000E+03	7.1133000E-03	4.1672000E-01	2.9643000E-03	8.5970000E-03
1.0028000E+03	7.1531000E-03	4.1665000E-01	2.9804000E-03	8.6437000E-03
1.0029000E+03	7.2049000E-03	4.1658000E-01	3.0014000E-03	8.7048000E-03
1.0030000E+03	7.2692000E-03	4.1651000E-01	3.0276000E-03	8.7808000E-03
1.0031000E+03	7.3463000E-03	4.1644000E-01	3.0593000E-03	8.8725000E-03
1.0032000E+03	7.4367000E-03	4.1637000E-01	3.0964000E-03	8.9803000E-03
1.0033000E+03	7.5408000E-03	4.1630000E-01	3.1393000E-03	9.1046000E-03
1.0034000E+03	7.6590000E-03	4.1624000E-01	3.1880000E-03	9.2458000E-03
1.0035000E+03	7.7915000E-03	4.1617000E-01	3.2426000E-03	9.4042000E-03
1.0036000E+03	7.9387000E-03	4.1610000E-01	3.3033000E-03	9.5803000E-03
1.0037000E+03	8.1009000E-03	4.1603000E-01	3.3703000E-03	9.7745000E-03
1.0038000E+03	8.2784000E-03	4.1597000E-01	3.4436000E-03	9.9871000E-03
1.0039000E+03	8.4716000E-03	4.1590000E-01	3.5233000E-03	1.0218000E-02
1.0040000E+03	8.6806000E-03	4.1583000E-01	3.6097000E-03	1.0469000E-02
1.0041000E+03	8.9059000E-03	4.1576000E-01	3.7027000E-03	1.0739000E-02
1.0042000E+03	9.1477000E-03	4.1570000E-01	3.8027000E-03	1.1029000E-02
1.0043000E+03	9.4063000E-03	4.1563000E-01	3.9095000E-03	1.1338000E-02
1.0044000E+03	9.5947000E-03	4.1556000E-01	3.9872000E-03	1.1564000E-02
1.0045000E+03	9.8864000E-03	4.1550000E-01	4.1078000E-03	1.1913000E-02
1.0046000E+03	1.0196000E-02	4.1543000E-01	4.2357000E-03	1.2284000E-02
1.0047000E+03	1.0523000E-02	4.1536000E-01	4.3710000E-03	1.2677000E-02
1.0048000E+03	1.0869000E-02	4.1529000E-01	4.5140000E-03	1.3092000E-02
1.0049000E+03	1.1234000E-02	4.1522000E-01	4.6645000E-03	1.3528000E-02
1.0050000E+03	1.1617000E-02	4.1516000E-01	4.8227000E-03	1.3987000E-02
1.0051000E+03	1.2018000E-02	4.1510000E-01	4.9887000E-03	1.4468000E-02
1.0052000E+03	1.2438000E-02	4.1504000E-01	5.1623000E-03	1.4972000E-02
1.0053000E+03	1.2877000E-02	4.1498000E-01	5.3435000E-03	1.5497000E-02
1.0054000E+03	1.3334000E-02	4.1492000E-01	5.5323000E-03	1.6045000E-02
1.0055000E+03	1.3809000E-02	4.1486000E-01	5.7286000E-03	1.6614000E-02
1.0056000E+03	1.4301000E-02	4.1480000E-01	5.9322000E-03	1.7205000E-02
1.0057000E+03	1.4812000E-02	4.1474000E-01	6.1430000E-03	1.7816000E-02
1.0058000E+03	1.5339000E-02	4.1468000E-01	6.3608000E-03	1.8448000E-02
1.0059000E+03	1.5883000E-02	4.1462000E-01	6.5854000E-03	1.9099000E-02
1.0060000E+03	1.6443000E-02	4.1458000E-01	6.8169000E-03	1.9771000E-02
1.0061000E+03	1.7019000E-02	4.1458000E-01	7.0556000E-03	2.0463000E-02
1.0062000E+03	1.7609000E-02	4.1459000E-01	7.3004000E-03	2.1173000E-02
1.0063000E+03	1.8213000E-02	4.1460000E-01	7.5512000E-03	2.1900000E-02
1.0064000E+03	1.8831000E-02	4.1461000E-01	7.8075000E-03	2.2643000E-02
1.0065000E+03	1.9461000E-02	4.1462000E-01	8.0690000E-03	2.3402000E-02
1.0066000E+03	2.0104000E-02	4.1463000E-01	8.3356000E-03	2.4175000E-02
1.0067000E+03	2.0758000E-02	4.1463000E-01	8.6068000E-03	2.4962000E-02
1.0068000E+03	2.1422000E-02	4.1464000E-01	8.8825000E-03	2.5761000E-02

1.0069000E+03	2.2096000E-02	4.1465000E-01	9.1623000E-03	2.6573000E-02
1.0070000E+03	2.2780000E-02	4.1466000E-01	9.4460000E-03	2.7395000E-02
1.0071000E+03	2.3472000E-02	4.1467000E-01	9.7333000E-03	2.8229000E-02
1.0072000E+03	2.4172000E-02	4.1468000E-01	1.0024000E-02	2.9071000E-02
1.0073000E+03	2.4880000E-02	4.1469000E-01	1.0318000E-02	2.9923000E-02
1.0074000E+03	2.5595000E-02	4.1470000E-01	1.0614000E-02	3.0784000E-02
1.0075000E+03	2.6316000E-02	4.1471000E-01	1.0914000E-02	3.1652000E-02
1.0076000E+03	2.7044000E-02	4.1473000E-01	1.1216000E-02	3.2528000E-02
1.0077000E+03	2.7778000E-02	4.1474000E-01	1.1520000E-02	3.3411000E-02
1.0078000E+03	2.8517000E-02	4.1475000E-01	1.1827000E-02	3.4302000E-02
1.0079000E+03	2.9263000E-02	4.1476000E-01	1.2137000E-02	3.5200000E-02
1.0080000E+03	3.0014000E-02	4.1475000E-01	1.2449000E-02	3.6103000E-02
1.0081000E+03	3.0772000E-02	4.1472000E-01	1.2762000E-02	3.7012000E-02
1.0082000E+03	3.1537000E-02	4.1469000E-01	1.3078000E-02	3.7928000E-02
1.0083000E+03	3.2308000E-02	4.1465000E-01	1.3396000E-02	3.8853000E-02
1.0084000E+03	3.3087000E-02	4.1462000E-01	1.3718000E-02	3.9786000E-02
1.0085000E+03	3.3874000E-02	4.1458000E-01	1.4044000E-02	4.0729000E-02
1.0086000E+03	3.4670000E-02	4.1455000E-01	1.4372000E-02	4.1683000E-02
1.0087000E+03	3.5476000E-02	4.1451000E-01	1.4706000E-02	4.2649000E-02
1.0088000E+03	3.6294000E-02	4.1448000E-01	1.5043000E-02	4.3629000E-02
1.0089000E+03	3.7125000E-02	4.1445000E-01	1.5386000E-02	4.4623000E-02
1.0090000E+03	3.7969000E-02	4.1442000E-01	1.5735000E-02	4.5635000E-02
1.0091000E+03	3.8829000E-02	4.1439000E-01	1.6090000E-02	4.6666000E-02
1.0092000E+03	3.9707000E-02	4.1436000E-01	1.6453000E-02	4.7717000E-02
1.0093000E+03	4.0604000E-02	4.1433000E-01	1.6824000E-02	4.8792000E-02
1.0094000E+03	4.1523000E-02	4.1430000E-01	1.7203000E-02	4.9892000E-02
1.0095000E+03	4.2466000E-02	4.1427000E-01	1.7592000E-02	5.1021000E-02
1.0096000E+03	4.3435000E-02	4.1423000E-01	1.7992000E-02	5.2182000E-02
1.0097000E+03	4.4433000E-02	4.1420000E-01	1.8404000E-02	5.3376000E-02
1.0098000E+03	4.5462000E-02	4.1417000E-01	1.8829000E-02	5.4609000E-02
1.0099000E+03	4.6526000E-02	4.1414000E-01	1.9268000E-02	5.5882000E-02
1.0100000E+03	4.7627000E-02	4.1411000E-01	1.9723000E-02	5.7200000E-02
1.0101000E+03	4.8769000E-02	4.1407000E-01	2.0194000E-02	5.8567000E-02
1.0102000E+03	4.9955000E-02	4.1404000E-01	2.0683000E-02	5.9986000E-02
1.0103000E+03	5.1187000E-02	4.1401000E-01	2.1192000E-02	6.1461000E-02
1.0104000E+03	5.2471000E-02	4.1397000E-01	2.1721000E-02	6.2997000E-02
1.0105000E+03	5.3808000E-02	4.1394000E-01	2.2273000E-02	6.4597000E-02
1.0106000E+03	5.5204000E-02	4.1390000E-01	2.2849000E-02	6.6267000E-02
1.0107000E+03	5.6661000E-02	4.1387000E-01	2.3450000E-02	6.8011000E-02
1.0108000E+03	5.8184000E-02	4.1382000E-01	2.4078000E-02	6.9832000E-02
1.0109000E+03	5.9777000E-02	4.1378000E-01	2.4734000E-02	7.1735000E-02
1.0110000E+03	6.1443000E-02	4.1373000E-01	2.5421000E-02	7.3727000E-02
1.0111000E+03	6.3187000E-02	4.1369000E-01	2.6140000E-02	7.5812000E-02

1.0112000E+03	6.5013000E-02	4.1365000E-01	2.6893000E-02	7.7995000E-02
1.0113000E+03	6.6925000E-02	4.1361000E-01	2.7681000E-02	8.0280000E-02
1.0114000E+03	6.8927000E-02	4.1356000E-01	2.8506000E-02	8.2673000E-02
1.0115000E+03	7.1024000E-02	4.1352000E-01	2.9370000E-02	8.5179000E-02
1.0116000E+03	7.3220000E-02	4.1348000E-01	3.0275000E-02	8.7803000E-02
1.0117000E+03	7.5518000E-02	4.1343000E-01	3.1222000E-02	9.0550000E-02
1.0118000E+03	7.7923000E-02	4.1339000E-01	3.2213000E-02	9.3424000E-02
1.0119000E+03	8.0440000E-02	4.1335000E-01	3.3250000E-02	9.6431000E-02
1.0120000E+03	8.3073000E-02	4.1329000E-01	3.4333000E-02	9.9574000E-02
1.0121000E+03	8.5825000E-02	4.1321000E-01	3.5464000E-02	1.0285000E-01
1.0122000E+03	8.8700000E-02	4.1313000E-01	3.6645000E-02	1.0628000E-01
1.0123000E+03	9.1703000E-02	4.1305000E-01	3.7878000E-02	1.0986000E-01
1.0124000E+03	9.4837000E-02	4.1297000E-01	3.9165000E-02	1.1359000E-01
1.0125000E+03	9.8107000E-02	4.1289000E-01	4.0508000E-02	1.1748000E-01
1.0126000E+03	1.0152000E-01	4.1282000E-01	4.1907000E-02	1.2154000E-01
1.0127000E+03	1.0507000E-01	4.1274000E-01	4.3364000E-02	1.2577000E-01
1.0128000E+03	1.0876000E-01	4.1266000E-01	4.4882000E-02	1.3017000E-01
1.0129000E+03	1.1261000E-01	4.1259000E-01	4.6460000E-02	1.3474000E-01
1.0130000E+03	1.1660000E-01	4.1252000E-01	4.8101000E-02	1.3950000E-01
1.0131000E+03	1.2075000E-01	4.1244000E-01	4.9804000E-02	1.4444000E-01
1.0132000E+03	1.2506000E-01	4.1236000E-01	5.1571000E-02	1.4957000E-01
1.0133000E+03	1.2953000E-01	4.1228000E-01	5.3403000E-02	1.5488000E-01
1.0134000E+03	1.3416000E-01	4.1221000E-01	5.5301000E-02	1.6039000E-01
1.0135000E+03	1.3895000E-01	4.1213000E-01	5.7266000E-02	1.6608000E-01
1.0136000E+03	1.4391000E-01	4.1205000E-01	5.9299000E-02	1.7198000E-01
1.0137000E+03	1.4904000E-01	4.1197000E-01	6.1399000E-02	1.7807000E-01
1.0138000E+03	1.5433000E-01	4.1189000E-01	6.3568000E-02	1.8436000E-01
1.0139000E+03	1.5980000E-01	4.1181000E-01	6.5806000E-02	1.9085000E-01
1.0140000E+03	1.6543000E-01	4.1172000E-01	6.8109000E-02	1.9753000E-01
1.0141000E+03	1.7123000E-01	4.1157000E-01	7.0474000E-02	2.0439000E-01
1.0142000E+03	1.7720000E-01	4.1143000E-01	7.2907000E-02	2.1145000E-01
1.0143000E+03	1.8335000E-01	4.1128000E-01	7.5408000E-02	2.1870000E-01
1.0144000E+03	1.8966000E-01	4.1114000E-01	7.7977000E-02	2.2615000E-01
1.0145000E+03	1.9614000E-01	4.1099000E-01	8.0613000E-02	2.3379000E-01
1.0146000E+03	2.0279000E-01	4.1085000E-01	8.3317000E-02	2.4164000E-01
1.0147000E+03	2.0961000E-01	4.1073000E-01	8.6091000E-02	2.4968000E-01
1.0148000E+03	2.1658000E-01	4.1061000E-01	8.8931000E-02	2.5792000E-01
1.0149000E+03	2.2373000E-01	4.1049000E-01	9.1836000E-02	2.6635000E-01
1.0150000E+03	2.3103000E-01	4.1036000E-01	9.4805000E-02	2.7495000E-01
1.0151000E+03	2.3848000E-01	4.1024000E-01	9.7836000E-02	2.8375000E-01
1.0152000E+03	2.4610000E-01	4.1012000E-01	1.0093000E-01	2.9271000E-01
1.0153000E+03	2.5386000E-01	4.1000000E-01	1.0408000E-01	3.0186000E-01
1.0154000E+03	2.6177000E-01	4.0987000E-01	1.0729000E-01	3.1117000E-01

1.0155000E+03	2.6982000E-01	4.0975000E-01	1.1056000E-01	3.2064000E-01
1.0156000E+03	2.7801000E-01	4.0963000E-01	1.1388000E-01	3.3028000E-01
1.0157000E+03	2.8634000E-01	4.0950000E-01	1.1726000E-01	3.4007000E-01
1.0158000E+03	2.9479000E-01	4.0938000E-01	1.2068000E-01	3.5000000E-01
1.0159000E+03	3.0337000E-01	4.0926000E-01	1.2416000E-01	3.6008000E-01
1.0160000E+03	3.1207000E-01	4.0915000E-01	1.2768000E-01	3.7031000E-01
1.0161000E+03	3.2088000E-01	4.0908000E-01	1.3126000E-01	3.8069000E-01
1.0162000E+03	3.2980000E-01	4.0901000E-01	1.3489000E-01	3.9121000E-01
1.0163000E+03	3.3882000E-01	4.0894000E-01	1.3855000E-01	4.0184000E-01
1.0164000E+03	3.4793000E-01	4.0886000E-01	1.4226000E-01	4.1258000E-01
1.0165000E+03	3.5714000E-01	4.0879000E-01	1.4599000E-01	4.2342000E-01
1.0166000E+03	3.6642000E-01	4.0873000E-01	1.4977000E-01	4.3436000E-01
1.0167000E+03	3.7578000E-01	4.0868000E-01	1.5357000E-01	4.4540000E-01
1.0168000E+03	3.8521000E-01	4.0862000E-01	1.5741000E-01	4.5652000E-01
1.0169000E+03	3.9470000E-01	4.0857000E-01	1.6126000E-01	4.6770000E-01
1.0170000E+03	4.0425000E-01	4.0851000E-01	1.6514000E-01	4.7894000E-01
1.0171000E+03	4.1384000E-01	4.0846000E-01	1.6904000E-01	4.9024000E-01
1.0172000E+03	4.2347000E-01	4.0840000E-01	1.7295000E-01	5.0158000E-01
1.0173000E+03	4.3313000E-01	4.0835000E-01	1.7687000E-01	5.1295000E-01
1.0174000E+03	4.4281000E-01	4.0829000E-01	1.8080000E-01	5.2435000E-01
1.0175000E+03	4.5251000E-01	4.0824000E-01	1.8473000E-01	5.3576000E-01
1.0176000E+03	4.6222000E-01	4.0818000E-01	1.8867000E-01	5.4718000E-01
1.0177000E+03	4.7192000E-01	4.0813000E-01	1.9260000E-01	5.5859000E-01
1.0178000E+03	4.8162000E-01	4.0807000E-01	1.9654000E-01	5.7000000E-01
1.0179000E+03	4.9130000E-01	4.0802000E-01	2.0046000E-01	5.8138000E-01
1.0180000E+03	5.0096000E-01	4.0795000E-01	2.0437000E-01	5.9270000E-01
1.0181000E+03	5.1059000E-01	4.0784000E-01	2.0824000E-01	6.0394000E-01
1.0182000E+03	5.2018000E-01	4.0773000E-01	2.1210000E-01	6.1512000E-01
1.0183000E+03	5.2973000E-01	4.0763000E-01	2.1593000E-01	6.2624000E-01
1.0184000E+03	5.3922000E-01	4.0752000E-01	2.1974000E-01	6.3730000E-01
1.0185000E+03	5.4864000E-01	4.0742000E-01	2.2353000E-01	6.4828000E-01
1.0186000E+03	5.5800000E-01	4.0733000E-01	2.2729000E-01	6.5919000E-01
1.0187000E+03	5.6729000E-01	4.0723000E-01	2.3102000E-01	6.7000000E-01
1.0188000E+03	5.7649000E-01	4.0714000E-01	2.3471000E-01	6.8072000E-01
1.0189000E+03	5.8560000E-01	4.0705000E-01	2.3837000E-01	6.9132000E-01
1.0190000E+03	5.9462000E-01	4.0695000E-01	2.4198000E-01	7.0180000E-01
1.0191000E+03	6.0353000E-01	4.0686000E-01	2.4555000E-01	7.1216000E-01
1.0192000E+03	6.1234000E-01	4.0677000E-01	2.4908000E-01	7.2238000E-01
1.0193000E+03	6.2103000E-01	4.0667000E-01	2.5255000E-01	7.3246000E-01
1.0194000E+03	6.2960000E-01	4.0658000E-01	2.5598000E-01	7.4240000E-01
1.0195000E+03	6.3804000E-01	4.0648000E-01	2.5935000E-01	7.5218000E-01
1.0196000E+03	6.4635000E-01	4.0639000E-01	2.6267000E-01	7.6180000E-01
1.0197000E+03	6.5453000E-01	4.0629000E-01	2.6593000E-01	7.7126000E-01

1.0198000E+03	6.6257000E-01	4.0620000E-01	2.6913000E-01	7.8055000E-01
1.0199000E+03	6.7046000E-01	4.0611000E-01	2.7228000E-01	7.8966000E-01
1.0200000E+03	6.7820000E-01	4.0599000E-01	2.7534000E-01	7.9855000E-01
1.0201000E+03	6.8578000E-01	4.0583000E-01	2.7831000E-01	8.0717000E-01
1.0202000E+03	6.9321000E-01	4.0567000E-01	2.8122000E-01	8.1559000E-01
1.0203000E+03	7.0048000E-01	4.0551000E-01	2.8406000E-01	8.2382000E-01
1.0204000E+03	7.0758000E-01	4.0536000E-01	2.8683000E-01	8.3186000E-01
1.0205000E+03	7.1452000E-01	4.0521000E-01	2.8953000E-01	8.3971000E-01
1.0206000E+03	7.2129000E-01	4.0507000E-01	2.9217000E-01	8.4736000E-01
1.0207000E+03	7.2789000E-01	4.0492000E-01	2.9474000E-01	8.5480000E-01
1.0208000E+03	7.3431000E-01	4.0478000E-01	2.9723000E-01	8.6204000E-01
1.0209000E+03	7.4056000E-01	4.0463000E-01	2.9965000E-01	8.6906000E-01
1.0210000E+03	7.4663000E-01	4.0449000E-01	3.0200000E-01	8.7588000E-01
1.0211000E+03	7.5253000E-01	4.0435000E-01	3.0428000E-01	8.8249000E-01
1.0212000E+03	7.5825000E-01	4.0421000E-01	3.0649000E-01	8.8888000E-01
1.0213000E+03	7.6379000E-01	4.0406000E-01	3.0862000E-01	8.9506000E-01
1.0214000E+03	7.6915000E-01	4.0392000E-01	3.1068000E-01	9.0103000E-01
1.0215000E+03	7.7433000E-01	4.0378000E-01	3.1266000E-01	9.0678000E-01
1.0216000E+03	7.7934000E-01	4.0364000E-01	3.1457000E-01	9.1232000E-01
1.0217000E+03	7.8416000E-01	4.0350000E-01	3.1641000E-01	9.1765000E-01
1.0218000E+03	7.8881000E-01	4.0336000E-01	3.1817000E-01	9.2277000E-01
1.0219000E+03	7.9329000E-01	4.0322000E-01	3.1987000E-01	9.2769000E-01
1.0220000E+03	7.9759000E-01	4.0310000E-01	3.2151000E-01	9.3244000E-01
1.0221000E+03	8.0172000E-01	4.0304000E-01	3.2312000E-01	9.3713000E-01
1.0222000E+03	8.0568000E-01	4.0297000E-01	3.2467000E-01	9.4161000E-01
1.0223000E+03	8.0947000E-01	4.0291000E-01	3.2615000E-01	9.4589000E-01
1.0224000E+03	8.1310000E-01	4.0285000E-01	3.2756000E-01	9.4999000E-01
1.0225000E+03	8.1656000E-01	4.0280000E-01	3.2891000E-01	9.5390000E-01
1.0226000E+03	8.1986000E-01	4.0274000E-01	3.3019000E-01	9.5763000E-01
1.0227000E+03	8.2301000E-01	4.0269000E-01	3.3141000E-01	9.6117000E-01
1.0228000E+03	8.2599000E-01	4.0263000E-01	3.3257000E-01	9.6452000E-01
1.0229000E+03	8.2883000E-01	4.0257000E-01	3.3366000E-01	9.6770000E-01
1.0230000E+03	8.3152000E-01	4.0252000E-01	3.3470000E-01	9.7070000E-01
1.0231000E+03	8.3406000E-01	4.0246000E-01	3.3567000E-01	9.7353000E-01
1.0232000E+03	8.3645000E-01	4.0240000E-01	3.3659000E-01	9.7619000E-01
1.0233000E+03	8.3872000E-01	4.0235000E-01	3.3745000E-01	9.7869000E-01
1.0234000E+03	8.4084000E-01	4.0229000E-01	3.3826000E-01	9.8103000E-01
1.0235000E+03	8.4284000E-01	4.0223000E-01	3.3902000E-01	9.8322000E-01
1.0236000E+03	8.4471000E-01	4.0217000E-01	3.3972000E-01	9.8526000E-01
1.0237000E+03	8.4645000E-01	4.0212000E-01	3.4037000E-01	9.8715000E-01
1.0238000E+03	8.4808000E-01	4.0206000E-01	3.4098000E-01	9.8891000E-01
1.0239000E+03	8.4959000E-01	4.0200000E-01	3.4154000E-01	9.9053000E-01
1.0240000E+03	8.5098000E-01	4.0193000E-01	3.4204000E-01	9.9199000E-01

1.0241000E+03	8.5228000E-01	4.0183000E-01	3.4247000E-01	9.9324000E-01
1.0242000E+03	8.5346000E-01	4.0173000E-01	3.4286000E-01	9.9437000E-01
1.0243000E+03	8.5455000E-01	4.0162000E-01	3.4321000E-01	9.9537000E-01
1.0244000E+03	8.5554000E-01	4.0151000E-01	3.4351000E-01	9.9626000E-01
1.0245000E+03	8.5645000E-01	4.0140000E-01	3.4378000E-01	9.9704000E-01
1.0246000E+03	8.5726000E-01	4.0130000E-01	3.4402000E-01	9.9772000E-01
1.0247000E+03	8.5799000E-01	4.0119000E-01	3.4422000E-01	9.9830000E-01
1.0248000E+03	8.5864000E-01	4.0108000E-01	3.4438000E-01	9.9879000E-01
1.0249000E+03	8.5922000E-01	4.0097000E-01	3.4452000E-01	9.9918000E-01
1.0250000E+03	8.5972000E-01	4.0086000E-01	3.4463000E-01	9.9950000E-01
1.0251000E+03	8.6015000E-01	4.0075000E-01	3.4471000E-01	9.9973000E-01
1.0252000E+03	8.6052000E-01	4.0065000E-01	3.4477000E-01	9.9989000E-01
1.0253000E+03	8.6083000E-01	4.0054000E-01	3.4480000E-01	9.9998000E-01
1.0254000E+03	8.6108000E-01	4.0043000E-01	3.4480000E-01	1.0000000E+00
1.0255000E+03	8.6127000E-01	4.0032000E-01	3.4479000E-01	9.9996000E-01
1.0256000E+03	8.6141000E-01	4.0022000E-01	3.4475000E-01	9.9986000E-01
1.0257000E+03	8.6151000E-01	4.0011000E-01	3.4470000E-01	9.9970000E-01
1.0258000E+03	8.6156000E-01	4.0000000E-01	3.4463000E-01	9.9949000E-01
1.0259000E+03	8.6156000E-01	3.9990000E-01	3.4454000E-01	9.9923000E-01
1.0260000E+03	8.6153000E-01	3.9977000E-01	3.4442000E-01	9.9888000E-01
1.0261000E+03	8.6146000E-01	3.9962000E-01	3.4425000E-01	9.9841000E-01
1.0262000E+03	8.6136000E-01	3.9946000E-01	3.4408000E-01	9.9790000E-01
1.0263000E+03	8.6122000E-01	3.9931000E-01	3.4390000E-01	9.9737000E-01
1.0264000E+03	8.6106000E-01	3.9916000E-01	3.4370000E-01	9.9681000E-01
1.0265000E+03	8.6086000E-01	3.9901000E-01	3.4350000E-01	9.9621000E-01
1.0266000E+03	8.6065000E-01	3.9886000E-01	3.4328000E-01	9.9559000E-01
1.0267000E+03	8.6041000E-01	3.9872000E-01	3.4306000E-01	9.9494000E-01
1.0268000E+03	8.6014000E-01	3.9857000E-01	3.4282000E-01	9.9426000E-01
1.0269000E+03	8.5987000E-01	3.9842000E-01	3.4259000E-01	9.9357000E-01
1.0270000E+03	8.5957000E-01	3.9827000E-01	3.4234000E-01	9.9286000E-01
1.0271000E+03	8.5925000E-01	3.9812000E-01	3.4209000E-01	9.9213000E-01
1.0272000E+03	8.5893000E-01	3.9798000E-01	3.4183000E-01	9.9139000E-01
1.0273000E+03	8.5859000E-01	3.9783000E-01	3.4157000E-01	9.9064000E-01
1.0274000E+03	8.5823000E-01	3.9769000E-01	3.4131000E-01	9.8987000E-01
1.0275000E+03	8.5787000E-01	3.9754000E-01	3.4104000E-01	9.8909000E-01
1.0276000E+03	8.5750000E-01	3.9740000E-01	3.4077000E-01	9.8830000E-01
1.0277000E+03	8.5712000E-01	3.9725000E-01	3.4049000E-01	9.8750000E-01
1.0278000E+03	8.5673000E-01	3.9711000E-01	3.4022000E-01	9.8670000E-01
1.0279000E+03	8.5634000E-01	3.9696000E-01	3.3993000E-01	9.8588000E-01
1.0280000E+03	8.5593000E-01	3.9683000E-01	3.3966000E-01	9.8508000E-01
1.0281000E+03	8.5553000E-01	3.9671000E-01	3.3940000E-01	9.8433000E-01
1.0282000E+03	8.5512000E-01	3.9661000E-01	3.3915000E-01	9.8359000E-01
1.0283000E+03	8.5470000E-01	3.9650000E-01	3.3889000E-01	9.8285000E-01

1.0284000E+03	8.5428000E-01	3.9639000E-01	3.3863000E-01	9.8210000E-01
1.0285000E+03	8.5385000E-01	3.9629000E-01	3.3837000E-01	9.8134000E-01
1.0286000E+03	8.5342000E-01	3.9618000E-01	3.3811000E-01	9.8059000E-01
1.0287000E+03	8.5299000E-01	3.9607000E-01	3.3784000E-01	9.7982000E-01
1.0288000E+03	8.5255000E-01	3.9596000E-01	3.3758000E-01	9.7905000E-01
1.0289000E+03	8.5211000E-01	3.9586000E-01	3.3731000E-01	9.7828000E-01
1.0290000E+03	8.5166000E-01	3.9575000E-01	3.3705000E-01	9.7750000E-01
1.0291000E+03	8.5121000E-01	3.9564000E-01	3.3678000E-01	9.7672000E-01
1.0292000E+03	8.5075000E-01	3.9554000E-01	3.3650000E-01	9.7593000E-01
1.0293000E+03	8.5029000E-01	3.9543000E-01	3.3623000E-01	9.7513000E-01
1.0294000E+03	8.4982000E-01	3.9532000E-01	3.3595000E-01	9.7433000E-01
1.0295000E+03	8.4934000E-01	3.9522000E-01	3.3567000E-01	9.7352000E-01
1.0296000E+03	8.4885000E-01	3.9511000E-01	3.3539000E-01	9.7270000E-01
1.0297000E+03	8.4836000E-01	3.9500000E-01	3.3510000E-01	9.7187000E-01
1.0298000E+03	8.4786000E-01	3.9489000E-01	3.3481000E-01	9.7103000E-01
1.0299000E+03	8.4734000E-01	3.9479000E-01	3.3452000E-01	9.7018000E-01
1.0300000E+03	8.4682000E-01	3.9470000E-01	3.3424000E-01	9.6936000E-01
1.0301000E+03	8.4628000E-01	3.9465000E-01	3.3399000E-01	9.6863000E-01
1.0302000E+03	8.4573000E-01	3.9460000E-01	3.3373000E-01	9.6789000E-01
1.0303000E+03	8.4517000E-01	3.9456000E-01	3.3347000E-01	9.6713000E-01
1.0304000E+03	8.4459000E-01	3.9451000E-01	3.3320000E-01	9.6635000E-01
1.0305000E+03	8.4399000E-01	3.9446000E-01	3.3292000E-01	9.6555000E-01
1.0306000E+03	8.4338000E-01	3.9442000E-01	3.3264000E-01	9.6473000E-01
1.0307000E+03	8.4274000E-01	3.9437000E-01	3.3235000E-01	9.6389000E-01
1.0308000E+03	8.4208000E-01	3.9433000E-01	3.3205000E-01	9.6303000E-01
1.0309000E+03	8.4140000E-01	3.9428000E-01	3.3175000E-01	9.6214000E-01
1.0310000E+03	8.4069000E-01	3.9423000E-01	3.3143000E-01	9.6122000E-01
1.0311000E+03	8.3996000E-01	3.9419000E-01	3.3110000E-01	9.6027000E-01
1.0312000E+03	8.3920000E-01	3.9415000E-01	3.3077000E-01	9.5929000E-01
1.0313000E+03	8.3841000E-01	3.9410000E-01	3.3042000E-01	9.5828000E-01
1.0314000E+03	8.3758000E-01	3.9406000E-01	3.3006000E-01	9.5723000E-01
1.0315000E+03	8.3672000E-01	3.9401000E-01	3.2968000E-01	9.5614000E-01
1.0316000E+03	8.3583000E-01	3.9397000E-01	3.2929000E-01	9.5501000E-01
1.0317000E+03	8.3489000E-01	3.9392000E-01	3.2888000E-01	9.5383000E-01
1.0318000E+03	8.3392000E-01	3.9388000E-01	3.2846000E-01	9.5261000E-01
1.0319000E+03	8.3290000E-01	3.9383000E-01	3.2803000E-01	9.5134000E-01
1.0320000E+03	8.3184000E-01	3.9377000E-01	3.2755000E-01	9.4998000E-01
1.0321000E+03	8.3073000E-01	3.9367000E-01	3.2703000E-01	9.4846000E-01
1.0322000E+03	8.2957000E-01	3.9356000E-01	3.2649000E-01	9.4688000E-01
1.0323000E+03	8.2835000E-01	3.9346000E-01	3.2592000E-01	9.4525000E-01
1.0324000E+03	8.2708000E-01	3.9336000E-01	3.2534000E-01	9.4355000E-01
1.0325000E+03	8.2576000E-01	3.9325000E-01	3.2473000E-01	9.4179000E-01
1.0326000E+03	8.2437000E-01	3.9315000E-01	3.2410000E-01	9.3996000E-01

1.0327000E+03	8.2292000E-01	3.9304000E-01	3.2344000E-01	9.3805000E-01
1.0328000E+03	8.2140000E-01	3.9294000E-01	3.2276000E-01	9.3608000E-01
1.0329000E+03	8.1982000E-01	3.9284000E-01	3.2205000E-01	9.3402000E-01
1.0330000E+03	8.1816000E-01	3.9273000E-01	3.2132000E-01	9.3189000E-01
1.0331000E+03	8.1643000E-01	3.9263000E-01	3.2055000E-01	9.2967000E-01
1.0332000E+03	8.1462000E-01	3.9252000E-01	3.1976000E-01	9.2736000E-01
1.0333000E+03	8.1274000E-01	3.9242000E-01	3.1893000E-01	9.2497000E-01
1.0334000E+03	8.1077000E-01	3.9231000E-01	3.1807000E-01	9.2248000E-01
1.0335000E+03	8.0871000E-01	3.9221000E-01	3.1718000E-01	9.1989000E-01
1.0336000E+03	8.0657000E-01	3.9210000E-01	3.1626000E-01	9.1721000E-01
1.0337000E+03	8.0434000E-01	3.9200000E-01	3.1530000E-01	9.1443000E-01
1.0338000E+03	8.0201000E-01	3.9189000E-01	3.1430000E-01	9.1154000E-01
1.0339000E+03	7.9959000E-01	3.9179000E-01	3.1327000E-01	9.0855000E-01
1.0340000E+03	7.9706000E-01	3.9167000E-01	3.1219000E-01	9.0540000E-01
1.0341000E+03	7.9444000E-01	3.9148000E-01	3.1100000E-01	9.0198000E-01
1.0342000E+03	7.9171000E-01	3.9128000E-01	3.0978000E-01	8.9844000E-01
1.0343000E+03	7.8887000E-01	3.9109000E-01	3.0852000E-01	8.9478000E-01
1.0344000E+03	7.8593000E-01	3.9090000E-01	3.0722000E-01	8.9100000E-01
1.0345000E+03	7.8287000E-01	3.9070000E-01	3.0587000E-01	8.8709000E-01
1.0346000E+03	7.7970000E-01	3.9051000E-01	3.0448000E-01	8.8306000E-01
1.0347000E+03	7.7641000E-01	3.9032000E-01	3.0305000E-01	8.7890000E-01
1.0348000E+03	7.7301000E-01	3.9013000E-01	3.0157000E-01	8.7461000E-01
1.0349000E+03	7.6948000E-01	3.8993000E-01	3.0004000E-01	8.7019000E-01
1.0350000E+03	7.6583000E-01	3.8974000E-01	2.9847000E-01	8.6563000E-01
1.0351000E+03	7.6205000E-01	3.8954000E-01	2.9685000E-01	8.6093000E-01
1.0352000E+03	7.5815000E-01	3.8935000E-01	2.9518000E-01	8.5610000E-01
1.0353000E+03	7.5412000E-01	3.8915000E-01	2.9347000E-01	8.5112000E-01
1.0354000E+03	7.4996000E-01	3.8896000E-01	2.9170000E-01	8.4600000E-01
1.0355000E+03	7.4567000E-01	3.8876000E-01	2.8989000E-01	8.4074000E-01
1.0356000E+03	7.4125000E-01	3.8857000E-01	2.8802000E-01	8.3533000E-01
1.0357000E+03	7.3669000E-01	3.8837000E-01	2.8611000E-01	8.2978000E-01
1.0358000E+03	7.3201000E-01	3.8818000E-01	2.8415000E-01	8.2409000E-01
1.0359000E+03	7.2718000E-01	3.8798000E-01	2.8213000E-01	8.1824000E-01
1.0360000E+03	7.2222000E-01	3.8781000E-01	2.8009000E-01	8.1232000E-01
1.0361000E+03	7.1713000E-01	3.8774000E-01	2.7806000E-01	8.0643000E-01
1.0362000E+03	7.1190000E-01	3.8766000E-01	2.7598000E-01	8.0039000E-01
1.0363000E+03	7.0654000E-01	3.8759000E-01	2.7384000E-01	7.9421000E-01
1.0364000E+03	7.0104000E-01	3.8751000E-01	2.7166000E-01	7.8787000E-01
1.0365000E+03	6.9541000E-01	3.8743000E-01	2.6942000E-01	7.8139000E-01
1.0366000E+03	6.8964000E-01	3.8736000E-01	2.6714000E-01	7.7475000E-01
1.0367000E+03	6.8374000E-01	3.8728000E-01	2.6480000E-01	7.6798000E-01
1.0368000E+03	6.7771000E-01	3.8721000E-01	2.6241000E-01	7.6105000E-01
1.0369000E+03	6.7154000E-01	3.8713000E-01	2.5997000E-01	7.5398000E-01

1.0370000E+03	6.6525000E-01	3.8705000E-01	2.5749000E-01	7.4677000E-01
1.0371000E+03	6.5884000E-01	3.8698000E-01	2.5495000E-01	7.3942000E-01
1.0372000E+03	6.5229000E-01	3.8690000E-01	2.5237000E-01	7.3193000E-01
1.0373000E+03	6.4563000E-01	3.8682000E-01	2.4974000E-01	7.2430000E-01
1.0374000E+03	6.3884000E-01	3.8674000E-01	2.4707000E-01	7.1655000E-01
1.0375000E+03	6.3194000E-01	3.8666000E-01	2.4435000E-01	7.0866000E-01
1.0376000E+03	6.2492000E-01	3.8659000E-01	2.4159000E-01	7.0065000E-01
1.0377000E+03	6.1779000E-01	3.8651000E-01	2.3878000E-01	6.9251000E-01
1.0378000E+03	6.1055000E-01	3.8643000E-01	2.3594000E-01	6.8426000E-01
1.0379000E+03	6.0321000E-01	3.8635000E-01	2.3305000E-01	6.7590000E-01
1.0380000E+03	5.9576000E-01	3.8628000E-01	2.3013000E-01	6.6743000E-01
1.0381000E+03	5.8822000E-01	3.8623000E-01	2.2719000E-01	6.5889000E-01
1.0382000E+03	5.8058000E-01	3.8618000E-01	2.2421000E-01	6.5025000E-01
1.0383000E+03	5.7285000E-01	3.8613000E-01	2.2120000E-01	6.4152000E-01
1.0384000E+03	5.6504000E-01	3.8608000E-01	2.1815000E-01	6.3269000E-01
1.0385000E+03	5.5715000E-01	3.8603000E-01	2.1508000E-01	6.2377000E-01
1.0386000E+03	5.4919000E-01	3.8598000E-01	2.1197000E-01	6.1477000E-01
1.0387000E+03	5.4115000E-01	3.8593000E-01	2.0884000E-01	6.0569000E-01
1.0388000E+03	5.3305000E-01	3.8588000E-01	2.0569000E-01	5.9654000E-01
1.0389000E+03	5.2488000E-01	3.8583000E-01	2.0251000E-01	5.8733000E-01
1.0390000E+03	5.1666000E-01	3.8577000E-01	1.9932000E-01	5.7806000E-01
1.0391000E+03	5.0840000E-01	3.8572000E-01	1.9610000E-01	5.6873000E-01
1.0392000E+03	5.0008000E-01	3.8567000E-01	1.9286000E-01	5.5935000E-01
1.0393000E+03	4.9173000E-01	3.8561000E-01	1.8962000E-01	5.4993000E-01
1.0394000E+03	4.8335000E-01	3.8556000E-01	1.8636000E-01	5.4048000E-01
1.0395000E+03	4.7494000E-01	3.8550000E-01	1.8309000E-01	5.3100000E-01
1.0396000E+03	4.6651000E-01	3.8545000E-01	1.7981000E-01	5.2150000E-01
1.0397000E+03	4.5806000E-01	3.8540000E-01	1.7653000E-01	5.1199000E-01
1.0398000E+03	4.4960000E-01	3.8535000E-01	1.7325000E-01	5.0247000E-01
1.0399000E+03	4.4114000E-01	3.8529000E-01	1.6997000E-01	4.9295000E-01
1.0400000E+03	4.3268000E-01	3.8522000E-01	1.6668000E-01	4.8340000E-01
1.0401000E+03	4.2423000E-01	3.8510000E-01	1.6337000E-01	4.7381000E-01
1.0402000E+03	4.1579000E-01	3.8497000E-01	1.6007000E-01	4.6424000E-01
1.0403000E+03	4.0738000E-01	3.8485000E-01	1.5678000E-01	4.5469000E-01
1.0404000E+03	3.9899000E-01	3.8473000E-01	1.5350000E-01	4.4518000E-01
1.0405000E+03	3.9063000E-01	3.8460000E-01	1.5024000E-01	4.3572000E-01
1.0406000E+03	3.8230000E-01	3.8448000E-01	1.4699000E-01	4.2630000E-01
1.0407000E+03	3.7402000E-01	3.8436000E-01	1.4376000E-01	4.1693000E-01
1.0408000E+03	3.6579000E-01	3.8423000E-01	1.4055000E-01	4.0762000E-01
1.0409000E+03	3.5762000E-01	3.8411000E-01	1.3736000E-01	3.9838000E-01
1.0410000E+03	3.4950000E-01	3.8399000E-01	1.3420000E-01	3.8922000E-01
1.0411000E+03	3.4145000E-01	3.8386000E-01	1.3107000E-01	3.8013000E-01
1.0412000E+03	3.3347000E-01	3.8374000E-01	1.2797000E-01	3.7113000E-01

1.0413000E+03	3.2556000E-01	3.8362000E-01	1.2489000E-01	3.6221000E-01
1.0414000E+03	3.1773000E-01	3.8350000E-01	1.2185000E-01	3.5339000E-01
1.0415000E+03	3.0998000E-01	3.8338000E-01	1.1884000E-01	3.4467000E-01
1.0416000E+03	3.0233000E-01	3.8326000E-01	1.1587000E-01	3.3605000E-01
1.0417000E+03	2.9476000E-01	3.8315000E-01	1.1294000E-01	3.2755000E-01
1.0418000E+03	2.8730000E-01	3.8303000E-01	1.1005000E-01	3.1916000E-01
1.0419000E+03	2.7993000E-01	3.8292000E-01	1.0719000E-01	3.1088000E-01
1.0420000E+03	2.7267000E-01	3.8279000E-01	1.0438000E-01	3.0272000E-01
1.0421000E+03	2.6552000E-01	3.8264000E-01	1.0160000E-01	2.9466000E-01
1.0422000E+03	2.5848000E-01	3.8248000E-01	9.8865000E-02	2.8673000E-01
1.0423000E+03	2.5156000E-01	3.8233000E-01	9.6177000E-02	2.7893000E-01
1.0424000E+03	2.4475000E-01	3.8217000E-01	9.3536000E-02	2.7127000E-01
1.0425000E+03	2.3806000E-01	3.8202000E-01	9.0943000E-02	2.6375000E-01
1.0426000E+03	2.3149000E-01	3.8186000E-01	8.8399000E-02	2.5638000E-01
1.0427000E+03	2.2505000E-01	3.8171000E-01	8.5904000E-02	2.4914000E-01
1.0428000E+03	2.1874000E-01	3.8155000E-01	8.3460000E-02	2.4205000E-01
1.0429000E+03	2.1255000E-01	3.8140000E-01	8.1067000E-02	2.3511000E-01
1.0430000E+03	2.0650000E-01	3.8124000E-01	7.8726000E-02	2.2832000E-01
1.0431000E+03	2.0057000E-01	3.8109000E-01	7.6437000E-02	2.2168000E-01
1.0432000E+03	1.9478000E-01	3.8094000E-01	7.4199000E-02	2.1519000E-01
1.0433000E+03	1.8912000E-01	3.8078000E-01	7.2014000E-02	2.0886000E-01
1.0434000E+03	1.8360000E-01	3.8063000E-01	6.9882000E-02	2.0267000E-01
1.0435000E+03	1.7820000E-01	3.8048000E-01	6.7803000E-02	1.9664000E-01
1.0436000E+03	1.7295000E-01	3.8032000E-01	6.5775000E-02	1.9076000E-01
1.0437000E+03	1.6782000E-01	3.8016000E-01	6.3799000E-02	1.8503000E-01
1.0438000E+03	1.6283000E-01	3.8000000E-01	6.1876000E-02	1.7945000E-01
1.0439000E+03	1.5798000E-01	3.7984000E-01	6.0005000E-02	1.7403000E-01
1.0440000E+03	1.5325000E-01	3.7969000E-01	5.8188000E-02	1.6876000E-01
1.0441000E+03	1.4866000E-01	3.7956000E-01	5.6424000E-02	1.6364000E-01
1.0442000E+03	1.4420000E-01	3.7943000E-01	5.4711000E-02	1.5867000E-01
1.0443000E+03	1.3986000E-01	3.7930000E-01	5.3049000E-02	1.5385000E-01
1.0444000E+03	1.3566000E-01	3.7916000E-01	5.1436000E-02	1.4917000E-01
1.0445000E+03	1.3158000E-01	3.7903000E-01	4.9871000E-02	1.4464000E-01
1.0446000E+03	1.2762000E-01	3.7890000E-01	4.8356000E-02	1.4024000E-01
1.0447000E+03	1.2379000E-01	3.7877000E-01	4.6887000E-02	1.3598000E-01
1.0448000E+03	1.2007000E-01	3.7864000E-01	4.5465000E-02	1.3186000E-01
1.0449000E+03	1.1648000E-01	3.7851000E-01	4.4089000E-02	1.2787000E-01
1.0450000E+03	1.1300000E-01	3.7838000E-01	4.2758000E-02	1.2401000E-01
1.0451000E+03	1.0964000E-01	3.7826000E-01	4.1470000E-02	1.2027000E-01
1.0452000E+03	1.0638000E-01	3.7813000E-01	4.0226000E-02	1.1666000E-01
1.0453000E+03	1.0324000E-01	3.7800000E-01	3.9023000E-02	1.1318000E-01
1.0454000E+03	1.0020000E-01	3.7787000E-01	3.7861000E-02	1.0981000E-01
1.0455000E+03	9.7259000E-02	3.7775000E-01	3.6739000E-02	1.0655000E-01

1.0456000E+03	9.4422000E-02	3.7763000E-01	3.5657000E-02	1.0341000E-01
1.0457000E+03	9.1683000E-02	3.7751000E-01	3.4611000E-02	1.0038000E-01
1.0458000E+03	8.9038000E-02	3.7739000E-01	3.3602000E-02	9.7454000E-02
1.0459000E+03	8.6485000E-02	3.7728000E-01	3.2629000E-02	9.4630000E-02
1.0460000E+03	8.4020000E-02	3.7719000E-01	3.1691000E-02	9.1912000E-02
1.0461000E+03	8.1640000E-02	3.7718000E-01	3.0793000E-02	8.9306000E-02
1.0462000E+03	7.9343000E-02	3.7717000E-01	2.9926000E-02	8.6791000E-02
1.0463000E+03	7.7126000E-02	3.7716000E-01	2.9089000E-02	8.4363000E-02
1.0464000E+03	7.4985000E-02	3.7715000E-01	2.8280000E-02	8.2019000E-02
1.0465000E+03	7.2918000E-02	3.7714000E-01	2.7500000E-02	7.9755000E-02
1.0466000E+03	7.0921000E-02	3.7712000E-01	2.6746000E-02	7.7569000E-02
1.0467000E+03	6.8992000E-02	3.7711000E-01	2.6018000E-02	7.5457000E-02
1.0468000E+03	6.7127000E-02	3.7710000E-01	2.5314000E-02	7.3416000E-02
1.0469000E+03	6.5325000E-02	3.7709000E-01	2.4634000E-02	7.1443000E-02
1.0470000E+03	6.3582000E-02	3.7708000E-01	2.3976000E-02	6.9535000E-02
1.0471000E+03	6.1895000E-02	3.7708000E-01	2.3339000E-02	6.7689000E-02
1.0472000E+03	6.0261000E-02	3.7707000E-01	2.2723000E-02	6.5901000E-02
1.0473000E+03	5.8679000E-02	3.7707000E-01	2.2126000E-02	6.4170000E-02
1.0474000E+03	5.7145000E-02	3.7707000E-01	2.1548000E-02	6.2492000E-02
1.0475000E+03	5.5657000E-02	3.7707000E-01	2.0987000E-02	6.0867000E-02
1.0476000E+03	5.4213000E-02	3.7708000E-01	2.0443000E-02	5.9288000E-02
1.0477000E+03	5.2811000E-02	3.7709000E-01	1.9914000E-02	5.7755000E-02
1.0478000E+03	5.1447000E-02	3.7710000E-01	1.9400000E-02	5.6265000E-02
1.0479000E+03	5.0120000E-02	3.7710000E-01	1.8900000E-02	5.4815000E-02
1.0480000E+03	4.8828000E-02	3.7710000E-01	1.8413000E-02	5.3401000E-02
1.0481000E+03	4.7569000E-02	3.7705000E-01	1.7936000E-02	5.2018000E-02
1.0482000E+03	4.6342000E-02	3.7700000E-01	1.7471000E-02	5.0669000E-02
1.0483000E+03	4.5284000E-02	3.7695000E-01	1.7070000E-02	4.9506000E-02
1.0484000E+03	4.4106000E-02	3.7690000E-01	1.6623000E-02	4.8212000E-02
1.0485000E+03	4.2955000E-02	3.7685000E-01	1.6188000E-02	4.6947000E-02
1.0486000E+03	4.1829000E-02	3.7680000E-01	1.5761000E-02	4.5711000E-02
1.0487000E+03	4.0728000E-02	3.7675000E-01	1.5344000E-02	4.4502000E-02
1.0488000E+03	3.9650000E-02	3.7671000E-01	1.4936000E-02	4.3318000E-02
1.0489000E+03	3.8593000E-02	3.7666000E-01	1.4536000E-02	4.2159000E-02
1.0490000E+03	3.7558000E-02	3.7661000E-01	1.4145000E-02	4.1022000E-02
1.0491000E+03	3.6542000E-02	3.7656000E-01	1.3760000E-02	3.9908000E-02
1.0492000E+03	3.5546000E-02	3.7651000E-01	1.3384000E-02	3.8815000E-02
1.0493000E+03	3.4568000E-02	3.7647000E-01	1.3014000E-02	3.7743000E-02
1.0494000E+03	3.3608000E-02	3.7642000E-01	1.2651000E-02	3.6690000E-02
1.0495000E+03	3.2666000E-02	3.7637000E-01	1.2294000E-02	3.5656000E-02
1.0496000E+03	3.1740000E-02	3.7632000E-01	1.1945000E-02	3.4642000E-02
1.0497000E+03	3.0831000E-02	3.7627000E-01	1.1601000E-02	3.3646000E-02
1.0498000E+03	2.9939000E-02	3.7623000E-01	1.1264000E-02	3.2667000E-02

1.0499000E+03	2.9062000E-02	3.7618000E-01	1.0933000E-02	3.1707000E-02
1.0500000E+03	2.8202000E-02	3.7612000E-01	1.0607000E-02	3.0763000E-02
1.0501000E+03	2.7357000E-02	3.7602000E-01	1.0287000E-02	2.9834000E-02
1.0502000E+03	2.6529000E-02	3.7592000E-01	9.9727000E-03	2.8923000E-02
1.0503000E+03	2.5716000E-02	3.7582000E-01	9.6646000E-03	2.8030000E-02
1.0504000E+03	2.4919000E-02	3.7573000E-01	9.3627000E-03	2.7154000E-02
1.0505000E+03	2.4138000E-02	3.7563000E-01	9.0670000E-03	2.6296000E-02
1.0506000E+03	2.3373000E-02	3.7553000E-01	8.7775000E-03	2.5457000E-02
1.0507000E+03	2.2625000E-02	3.7543000E-01	8.4942000E-03	2.4635000E-02
1.0508000E+03	2.1893000E-02	3.7534000E-01	8.2173000E-03	2.3832000E-02
1.0509000E+03	2.1178000E-02	3.7524000E-01	7.9468000E-03	2.3047000E-02
1.0510000E+03	2.0480000E-02	3.7514000E-01	7.6827000E-03	2.2282000E-02
1.0511000E+03	1.9798000E-02	3.7504000E-01	7.4251000E-03	2.1534000E-02
1.0512000E+03	1.9134000E-02	3.7494000E-01	7.1741000E-03	2.0806000E-02
1.0513000E+03	1.8487000E-02	3.7484000E-01	6.9296000E-03	2.0097000E-02
1.0514000E+03	1.7857000E-02	3.7474000E-01	6.6918000E-03	1.9408000E-02
1.0515000E+03	1.7245000E-02	3.7464000E-01	6.4607000E-03	1.8737000E-02
1.0516000E+03	1.6651000E-02	3.7453000E-01	6.2364000E-03	1.8087000E-02
1.0517000E+03	1.6074000E-02	3.7443000E-01	6.0188000E-03	1.7456000E-02
1.0518000E+03	1.5516000E-02	3.7433000E-01	5.8080000E-03	1.6844000E-02
1.0519000E+03	1.4975000E-02	3.7423000E-01	5.6039000E-03	1.6252000E-02
1.0520000E+03	1.4451000E-02	3.7414000E-01	5.4067000E-03	1.5681000E-02
1.0521000E+03	1.3945000E-02	3.7408000E-01	5.2167000E-03	1.5129000E-02
1.0522000E+03	1.3457000E-02	3.7402000E-01	5.0332000E-03	1.4597000E-02
1.0523000E+03	1.2986000E-02	3.7396000E-01	4.8562000E-03	1.4084000E-02
1.0524000E+03	1.2532000E-02	3.7391000E-01	4.6858000E-03	1.3590000E-02
1.0525000E+03	1.2095000E-02	3.7385000E-01	4.5216000E-03	1.3114000E-02
1.0526000E+03	1.1674000E-02	3.7379000E-01	4.3638000E-03	1.2656000E-02
1.0527000E+03	1.1270000E-02	3.7374000E-01	4.2121000E-03	1.2216000E-02
1.0528000E+03	1.0882000E-02	3.7368000E-01	4.0664000E-03	1.1794000E-02
1.0529000E+03	1.0510000E-02	3.7362000E-01	3.9267000E-03	1.1388000E-02
1.0530000E+03	1.0153000E-02	3.7356000E-01	3.7928000E-03	1.1000000E-02
1.0531000E+03	9.8111000E-03	3.7350000E-01	3.6644000E-03	1.0628000E-02
1.0532000E+03	9.4839000E-03	3.7344000E-01	3.5416000E-03	1.0271000E-02
1.0533000E+03	9.1711000E-03	3.7337000E-01	3.4242000E-03	9.9310000E-03
1.0534000E+03	8.8723000E-03	3.7331000E-01	3.3121000E-03	9.6058000E-03
1.0535000E+03	8.5873000E-03	3.7324000E-01	3.2051000E-03	9.2956000E-03
1.0536000E+03	8.3157000E-03	3.7318000E-01	3.1032000E-03	9.0000000E-03
1.0537000E+03	8.0572000E-03	3.7311000E-01	3.0063000E-03	8.7188000E-03
1.0538000E+03	7.8117000E-03	3.7305000E-01	2.9141000E-03	8.4516000E-03
1.0539000E+03	7.5788000E-03	3.7298000E-01	2.8268000E-03	8.1983000E-03
1.0540000E+03	7.3584000E-03	3.7290000E-01	2.7439000E-03	7.9580000E-03
1.0541000E+03	7.1502000E-03	3.7277000E-01	2.6654000E-03	7.7301000E-03

1.0542000E+03	6.9540000E-03	3.7264000E-01	2.5913000E-03	7.5154000E-03
1.0543000E+03	6.7697000E-03	3.7250000E-01	2.5217000E-03	7.3136000E-03
1.0544000E+03	6.5970000E-03	3.7237000E-01	2.4566000E-03	7.1245000E-03
1.0545000E+03	6.4359000E-03	3.7224000E-01	2.3957000E-03	6.9480000E-03
1.0546000E+03	6.2859000E-03	3.7211000E-01	2.3391000E-03	6.7837000E-03
1.0547000E+03	6.1470000E-03	3.7198000E-01	2.2865000E-03	6.6315000E-03
1.0548000E+03	6.0188000E-03	3.7185000E-01	2.2381000E-03	6.4908000E-03
1.0549000E+03	5.9009000E-03	3.7172000E-01	2.1935000E-03	6.3615000E-03
1.0550000E+03	5.7931000E-03	3.7158000E-01	2.1526000E-03	6.2431000E-03
1.0551000E+03	5.6949000E-03	3.7145000E-01	2.1154000E-03	6.1351000E-03
1.0552000E+03	5.6059000E-03	3.7132000E-01	2.0816000E-03	6.0370000E-03
1.0553000E+03	5.5254000E-03	3.7119000E-01	2.0509000E-03	5.9482000E-03
1.0554000E+03	5.4528000E-03	3.7105000E-01	2.0233000E-03	5.8679000E-03
1.0555000E+03	5.3876000E-03	3.7092000E-01	1.9983000E-03	5.7956000E-03
1.0556000E+03	5.3289000E-03	3.7079000E-01	1.9759000E-03	5.7304000E-03
1.0557000E+03	5.2760000E-03	3.7065000E-01	1.9556000E-03	5.6715000E-03
1.0558000E+03	5.2281000E-03	3.7052000E-01	1.9371000E-03	5.6181000E-03
1.0559000E+03	5.1844000E-03	3.7039000E-01	1.9202000E-03	5.5691000E-03
1.0560000E+03	5.1440000E-03	3.7026000E-01	1.9046000E-03	5.5239000E-03
1.0561000E+03	5.1061000E-03	3.7017000E-01	1.8901000E-03	5.4817000E-03
1.0562000E+03	5.0697000E-03	3.7008000E-01	1.8762000E-03	5.4413000E-03
1.0563000E+03	5.0341000E-03	3.6998000E-01	1.8625000E-03	5.4018000E-03
1.0564000E+03	4.9984000E-03	3.6989000E-01	1.8489000E-03	5.3621000E-03
1.0565000E+03	4.9619000E-03	3.6980000E-01	1.8349000E-03	5.3216000E-03
1.0566000E+03	4.9237000E-03	3.6970000E-01	1.8203000E-03	5.2793000E-03
1.0567000E+03	4.8833000E-03	3.6961000E-01	1.8049000E-03	5.2346000E-03
1.0568000E+03	4.8399000E-03	3.6951000E-01	1.7884000E-03	5.1867000E-03
1.0569000E+03	4.7929000E-03	3.6942000E-01	1.7706000E-03	5.1352000E-03
1.0570000E+03	4.7420000E-03	3.6933000E-01	1.7514000E-03	5.0793000E-03
1.0571000E+03	4.6866000E-03	3.6924000E-01	1.7305000E-03	5.0187000E-03
1.0572000E+03	4.6263000E-03	3.6914000E-01	1.7078000E-03	4.9529000E-03
1.0573000E+03	4.5610000E-03	3.6905000E-01	1.6832000E-03	4.8817000E-03
1.0574000E+03	4.4903000E-03	3.6896000E-01	1.6567000E-03	4.8048000E-03
1.0575000E+03	4.4141000E-03	3.6886000E-01	1.6282000E-03	4.7222000E-03
1.0576000E+03	4.3325000E-03	3.6877000E-01	1.5977000E-03	4.6336000E-03
1.0577000E+03	4.2453000E-03	3.6868000E-01	1.5652000E-03	4.5393000E-03
1.0578000E+03	4.1528000E-03	3.6859000E-01	1.5307000E-03	4.4392000E-03
1.0579000E+03	4.0551000E-03	3.6849000E-01	1.4943000E-03	4.3337000E-03
1.0580000E+03	3.9524000E-03	3.6840000E-01	1.4561000E-03	4.2230000E-03
1.0581000E+03	3.8452000E-03	3.6833000E-01	1.4163000E-03	4.1076000E-03
1.0582000E+03	3.7338000E-03	3.6825000E-01	1.3750000E-03	3.9877000E-03
1.0583000E+03	3.6188000E-03	3.6817000E-01	1.3323000E-03	3.8641000E-03
1.0584000E+03	3.5007000E-03	3.6810000E-01	1.2886000E-03	3.7372000E-03

1.0585000E+03	3.3802000E-03	3.6802000E-01	1.2440000E-03	3.6078000E-03
1.0586000E+03	3.2580000E-03	3.6794000E-01	1.1988000E-03	3.4767000E-03
1.0587000E+03	3.1350000E-03	3.6787000E-01	1.1533000E-03	3.3447000E-03
1.0588000E+03	3.0121000E-03	3.6779000E-01	1.1078000E-03	3.2129000E-03
1.0589000E+03	2.8902000E-03	3.6771000E-01	1.0628000E-03	3.0822000E-03
1.0590000E+03	2.7704000E-03	3.6764000E-01	1.0185000E-03	2.9538000E-03
1.0591000E+03	2.6537000E-03	3.6756000E-01	9.7538000E-04	2.8288000E-03
1.0592000E+03	2.5413000E-03	3.6748000E-01	9.3387000E-04	2.7084000E-03
1.0593000E+03	2.4343000E-03	3.6740000E-01	8.9437000E-04	2.5939000E-03
1.0594000E+03	2.3338000E-03	3.6733000E-01	8.5728000E-04	2.4863000E-03
1.0595000E+03	2.2409000E-03	3.6725000E-01	8.2298000E-04	2.3868000E-03
1.0596000E+03	2.1565000E-03	3.6717000E-01	7.9182000E-04	2.2965000E-03
1.0597000E+03	2.0814000E-03	3.6710000E-01	7.6408000E-04	2.2160000E-03
1.0598000E+03	2.0162000E-03	3.6702000E-01	7.3999000E-04	2.1461000E-03
1.0599000E+03	1.9612000E-03	3.6694000E-01	7.1965000E-04	2.0872000E-03
1.0600000E+03	1.9165000E-03	3.6685000E-01	7.0310000E-04	2.0391000E-03
1.0601000E+03	1.8820000E-03	3.6674000E-01	6.9021000E-04	2.0018000E-03
1.0602000E+03	1.8572000E-03	3.6662000E-01	6.8089000E-04	1.9747000E-03
1.0603000E+03	1.8414000E-03	3.6650000E-01	6.7487000E-04	1.9573000E-03
1.0604000E+03	1.8336000E-03	3.6638000E-01	6.7181000E-04	1.9484000E-03
1.0605000E+03	1.8328000E-03	3.6626000E-01	6.7128000E-04	1.9469000E-03
1.0606000E+03	0.0000000E+00	3.6614000E-01	0.0000000E+00	0.0000000E+00
Channel 10				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
7.8212000E+02	0.0000000E+00	4.9409000E-01	0.0000000E+00	0.0000000E+00
7.8222000E+02	1.6347000E-03	4.9424000E-01	8.0794000E-04	2.0697000E-03
7.8232000E+02	1.9652000E-03	4.9438000E-01	9.7158000E-04	2.4889000E-03
7.8242000E+02	2.3616000E-03	4.9452000E-01	1.1679000E-03	2.9917000E-03
7.8252000E+02	2.8029000E-03	4.9466000E-01	1.3865000E-03	3.5518000E-03
7.8262000E+02	3.2645000E-03	4.9481000E-01	1.6153000E-03	4.1380000E-03
7.8272000E+02	3.7204000E-03	4.9495000E-01	1.8414000E-03	4.7172000E-03
7.8282000E+02	4.1453000E-03	4.9509000E-01	2.0523000E-03	5.2574000E-03
7.8292000E+02	4.5180000E-03	4.9524000E-01	2.2375000E-03	5.7319000E-03
7.8302000E+02	4.8230000E-03	4.9538000E-01	2.3892000E-03	6.1206000E-03
7.8312000E+02	5.0517000E-03	4.9552000E-01	2.5032000E-03	6.4125000E-03
7.8322000E+02	5.2031000E-03	4.9563000E-01	2.5788000E-03	6.6063000E-03
7.8332000E+02	5.2837000E-03	4.9575000E-01	2.6194000E-03	6.7101000E-03
7.8342000E+02	5.3067000E-03	4.9586000E-01	2.6313000E-03	6.7408000E-03
7.8352000E+02	5.2902000E-03	4.9597000E-01	2.6238000E-03	6.7214000E-03
7.8362000E+02	5.2555000E-03	4.9608000E-01	2.6071000E-03	6.6788000E-03

7.8372000E+02	5.2245000E-03	4.9619000E-01	2.5923000E-03	6.6409000E-03
7.8382000E+02	5.2178000E-03	4.9630000E-01	2.5896000E-03	6.6338000E-03
7.8392000E+02	5.2524000E-03	4.9641000E-01	2.6073000E-03	6.6793000E-03
7.8402000E+02	5.3404000E-03	4.9653000E-01	2.6517000E-03	6.7929000E-03
7.8412000E+02	5.4880000E-03	4.9668000E-01	2.7258000E-03	6.9828000E-03
7.8422000E+02	5.6950000E-03	4.9684000E-01	2.8295000E-03	7.2484000E-03
7.8432000E+02	5.9557000E-03	4.9699000E-01	2.9599000E-03	7.5825000E-03
7.8442000E+02	6.2594000E-03	4.9715000E-01	3.1118000E-03	7.9717000E-03
7.8452000E+02	6.5924000E-03	4.9730000E-01	3.2784000E-03	8.3985000E-03
7.8462000E+02	6.9398000E-03	4.9746000E-01	3.4522000E-03	8.8437000E-03
7.8472000E+02	7.2866000E-03	4.9761000E-01	3.6259000E-03	9.2886000E-03
7.8482000E+02	7.6201000E-03	4.9776000E-01	3.7930000E-03	9.7167000E-03
7.8492000E+02	7.9305000E-03	4.9792000E-01	3.9487000E-03	1.0116000E-02
7.8502000E+02	8.2120000E-03	4.9807000E-01	4.0902000E-03	1.0478000E-02
7.8512000E+02	8.4629000E-03	4.9821000E-01	4.2164000E-03	1.0801000E-02
7.8522000E+02	8.6858000E-03	4.9834000E-01	4.3284000E-03	1.1088000E-02
7.8532000E+02	8.8862000E-03	4.9846000E-01	4.4294000E-03	1.1347000E-02
7.8542000E+02	9.0727000E-03	4.9858000E-01	4.5234000E-03	1.1588000E-02
7.8552000E+02	9.2547000E-03	4.9870000E-01	4.6153000E-03	1.1823000E-02
7.8562000E+02	9.4421000E-03	4.9882000E-01	4.7100000E-03	1.2066000E-02
7.8572000E+02	9.6443000E-03	4.9895000E-01	4.8120000E-03	1.2327000E-02
7.8582000E+02	9.8687000E-03	4.9907000E-01	4.9252000E-03	1.2617000E-02
7.8592000E+02	1.0122000E-02	4.9919000E-01	5.0525000E-03	1.2943000E-02
7.8602000E+02	1.0406000E-02	4.9925000E-01	5.1953000E-03	1.3309000E-02
7.8612000E+02	1.0726000E-02	4.9905000E-01	5.3526000E-03	1.3712000E-02
7.8622000E+02	1.1080000E-02	4.9885000E-01	5.5273000E-03	1.4160000E-02
7.8632000E+02	1.1470000E-02	4.9866000E-01	5.7195000E-03	1.4652000E-02
7.8642000E+02	1.1895000E-02	4.9846000E-01	5.9292000E-03	1.5189000E-02
7.8652000E+02	1.2356000E-02	4.9826000E-01	6.1564000E-03	1.5771000E-02
7.8662000E+02	1.2853000E-02	4.9807000E-01	6.4015000E-03	1.6399000E-02
7.8672000E+02	1.3388000E-02	4.9787000E-01	6.6653000E-03	1.7075000E-02
7.8682000E+02	1.3963000E-02	4.9767000E-01	6.9489000E-03	1.7801000E-02
7.8692000E+02	1.4581000E-02	4.9748000E-01	7.2537000E-03	1.8582000E-02
7.8702000E+02	1.5245000E-02	4.9728000E-01	7.5811000E-03	1.9421000E-02
7.8712000E+02	1.5959000E-02	4.9705000E-01	7.9322000E-03	2.0320000E-02
7.8722000E+02	1.6724000E-02	4.9682000E-01	8.3085000E-03	2.1284000E-02
7.8732000E+02	1.7541000E-02	4.9658000E-01	8.7108000E-03	2.2315000E-02
7.8742000E+02	1.8413000E-02	4.9635000E-01	9.1393000E-03	2.3413000E-02
7.8752000E+02	1.9337000E-02	4.9612000E-01	9.5937000E-03	2.4577000E-02
7.8762000E+02	2.0313000E-02	4.9589000E-01	1.0073000E-02	2.5805000E-02
7.8772000E+02	2.1340000E-02	4.9566000E-01	1.0577000E-02	2.7096000E-02
7.8782000E+02	2.2414000E-02	4.9543000E-01	1.1105000E-02	2.8447000E-02
7.8792000E+02	2.3536000E-02	4.9520000E-01	1.1655000E-02	2.9857000E-02

7.8802000E+02	2.4703000E-02	4.9502000E-01	1.2228000E-02	3.1326000E-02
7.8812000E+02	2.5917000E-02	4.9502000E-01	1.2829000E-02	3.2866000E-02
7.8822000E+02	2.7178000E-02	4.9503000E-01	1.3454000E-02	3.4466000E-02
7.8832000E+02	2.8491000E-02	4.9504000E-01	1.4104000E-02	3.6131000E-02
7.8842000E+02	2.9858000E-02	4.9505000E-01	1.4781000E-02	3.7865000E-02
7.8852000E+02	3.1284000E-02	4.9505000E-01	1.5487000E-02	3.9675000E-02
7.8862000E+02	3.2777000E-02	4.9506000E-01	1.6227000E-02	4.1568000E-02
7.8872000E+02	3.4341000E-02	4.9507000E-01	1.7001000E-02	4.3553000E-02
7.8882000E+02	3.5985000E-02	4.9508000E-01	1.7815000E-02	4.5639000E-02
7.8892000E+02	3.7716000E-02	4.9508000E-01	1.8673000E-02	4.7834000E-02
7.8902000E+02	3.9541000E-02	4.9505000E-01	1.9575000E-02	5.0145000E-02
7.8912000E+02	4.1469000E-02	4.9500000E-01	2.0527000E-02	5.2585000E-02
7.8922000E+02	4.3507000E-02	4.9495000E-01	2.1534000E-02	5.5164000E-02
7.8932000E+02	4.5665000E-02	4.9490000E-01	2.2600000E-02	5.7895000E-02
7.8942000E+02	4.7953000E-02	4.9485000E-01	2.3730000E-02	6.0789000E-02
7.8952000E+02	5.0380000E-02	4.9481000E-01	2.4928000E-02	6.3860000E-02
7.8962000E+02	5.2164000E-02	4.9476000E-01	2.5808000E-02	6.6114000E-02
7.8972000E+02	5.4835000E-02	4.9471000E-01	2.7127000E-02	6.9494000E-02
7.8982000E+02	5.7679000E-02	4.9466000E-01	2.8531000E-02	7.3090000E-02
7.8992000E+02	6.0709000E-02	4.9461000E-01	3.0028000E-02	7.6923000E-02
7.9002000E+02	6.3943000E-02	4.9455000E-01	3.1623000E-02	8.1010000E-02
7.9012000E+02	6.7393000E-02	4.9443000E-01	3.3322000E-02	8.5361000E-02
7.9022000E+02	7.1074000E-02	4.9432000E-01	3.5133000E-02	9.0002000E-02
7.9032000E+02	7.4994000E-02	4.9420000E-01	3.7062000E-02	9.4944000E-02
7.9042000E+02	7.9163000E-02	4.9409000E-01	3.9114000E-02	1.0020000E-01
7.9052000E+02	8.3588000E-02	4.9397000E-01	4.1290000E-02	1.0577000E-01
7.9062000E+02	8.8275000E-02	4.9386000E-01	4.3595000E-02	1.1168000E-01
7.9072000E+02	9.3229000E-02	4.9374000E-01	4.6031000E-02	1.1792000E-01
7.9082000E+02	9.8459000E-02	4.9363000E-01	4.8602000E-02	1.2451000E-01
7.9092000E+02	1.0397000E-01	4.9350000E-01	5.1311000E-02	1.3145000E-01
7.9102000E+02	1.0979000E-01	4.9336000E-01	5.4165000E-02	1.3876000E-01
7.9112000E+02	1.1591000E-01	4.9322000E-01	5.7171000E-02	1.4646000E-01
7.9122000E+02	1.2237000E-01	4.9308000E-01	6.0341000E-02	1.5458000E-01
7.9132000E+02	1.2919000E-01	4.9294000E-01	6.3685000E-02	1.6314000E-01
7.9142000E+02	1.3640000E-01	4.9280000E-01	6.7216000E-02	1.7219000E-01
7.9152000E+02	1.4401000E-01	4.9266000E-01	7.0946000E-02	1.8174000E-01
7.9162000E+02	1.5205000E-01	4.9252000E-01	7.4886000E-02	1.9184000E-01
7.9172000E+02	1.6054000E-01	4.9238000E-01	7.9046000E-02	2.0249000E-01
7.9182000E+02	1.6950000E-01	4.9223000E-01	8.3432000E-02	2.1373000E-01
7.9192000E+02	1.7893000E-01	4.9209000E-01	8.8050000E-02	2.2556000E-01
7.9202000E+02	1.8884000E-01	4.9194000E-01	9.2897000E-02	2.3798000E-01
7.9212000E+02	1.9922000E-01	4.9175000E-01	9.7966000E-02	2.5096000E-01
7.9222000E+02	2.1006000E-01	4.9157000E-01	1.0326000E-01	2.6452000E-01

7.9232000E+02	2.2134000E-01	4.9138000E-01	1.0876000E-01	2.7862000E-01
7.9242000E+02	2.3305000E-01	4.9119000E-01	1.1447000E-01	2.9325000E-01
7.9252000E+02	2.4516000E-01	4.9101000E-01	1.2037000E-01	3.0837000E-01
7.9262000E+02	2.5766000E-01	4.9082000E-01	1.2646000E-01	3.2397000E-01
7.9272000E+02	2.7053000E-01	4.9063000E-01	1.3273000E-01	3.4002000E-01
7.9282000E+02	2.8375000E-01	4.9045000E-01	1.3917000E-01	3.5651000E-01
7.9292000E+02	2.9732000E-01	4.9028000E-01	1.4577000E-01	3.7342000E-01
7.9302000E+02	3.1122000E-01	4.9011000E-01	1.5253000E-01	3.9074000E-01
7.9312000E+02	3.2544000E-01	4.8994000E-01	1.5944000E-01	4.0846000E-01
7.9322000E+02	3.3997000E-01	4.8977000E-01	1.6651000E-01	4.2655000E-01
7.9332000E+02	3.5480000E-01	4.8959000E-01	1.7371000E-01	4.4499000E-01
7.9342000E+02	3.6989000E-01	4.8942000E-01	1.8103000E-01	4.6376000E-01
7.9352000E+02	3.8523000E-01	4.8925000E-01	1.8847000E-01	4.8282000E-01
7.9362000E+02	4.0076000E-01	4.8907000E-01	1.9600000E-01	5.0211000E-01
7.9372000E+02	4.1644000E-01	4.8890000E-01	2.0360000E-01	5.2157000E-01
7.9382000E+02	4.3222000E-01	4.8873000E-01	2.1123000E-01	5.4113000E-01
7.9392000E+02	4.4801000E-01	4.8855000E-01	2.1887000E-01	5.6070000E-01
7.9402000E+02	4.6375000E-01	4.8839000E-01	2.2649000E-01	5.8021000E-01
7.9412000E+02	4.7938000E-01	4.8827000E-01	2.3407000E-01	5.9962000E-01
7.9422000E+02	4.9482000E-01	4.8815000E-01	2.4155000E-01	6.1878000E-01
7.9432000E+02	5.1001000E-01	4.8804000E-01	2.4890000E-01	6.3763000E-01
7.9442000E+02	5.2491000E-01	4.8792000E-01	2.5611000E-01	6.5610000E-01
7.9452000E+02	5.3947000E-01	4.8780000E-01	2.6315000E-01	6.7413000E-01
7.9462000E+02	5.5366000E-01	4.8768000E-01	2.7001000E-01	6.9170000E-01
7.9472000E+02	5.6748000E-01	4.8757000E-01	2.7668000E-01	7.0879000E-01
7.9482000E+02	5.8091000E-01	4.8747000E-01	2.8317000E-01	7.2542000E-01
7.9492000E+02	5.9395000E-01	4.8737000E-01	2.8947000E-01	7.4156000E-01
7.9502000E+02	6.0662000E-01	4.8727000E-01	2.9559000E-01	7.5723000E-01
7.9512000E+02	6.1892000E-01	4.8718000E-01	3.0152000E-01	7.7242000E-01
7.9522000E+02	6.3085000E-01	4.8708000E-01	3.0727000E-01	7.8715000E-01
7.9532000E+02	6.4241000E-01	4.8698000E-01	3.1284000E-01	8.0142000E-01
7.9542000E+02	6.5360000E-01	4.8688000E-01	3.1822000E-01	8.1521000E-01
7.9552000E+02	6.6439000E-01	4.8678000E-01	3.2341000E-01	8.2850000E-01
7.9562000E+02	6.7476000E-01	4.8668000E-01	3.2840000E-01	8.4127000E-01
7.9572000E+02	6.8469000E-01	4.8658000E-01	3.3316000E-01	8.5347000E-01
7.9582000E+02	6.9413000E-01	4.8649000E-01	3.3769000E-01	8.6507000E-01
7.9592000E+02	7.0306000E-01	4.8639000E-01	3.4196000E-01	8.7602000E-01
7.9602000E+02	7.1145000E-01	4.8628000E-01	3.4596000E-01	8.8627000E-01
7.9612000E+02	7.1926000E-01	4.8616000E-01	3.4968000E-01	8.9578000E-01
7.9622000E+02	7.2650000E-01	4.8603000E-01	3.5310000E-01	9.0456000E-01
7.9632000E+02	7.3316000E-01	4.8590000E-01	3.5625000E-01	9.1261000E-01
7.9642000E+02	7.3925000E-01	4.8578000E-01	3.5911000E-01	9.1995000E-01
7.9652000E+02	7.4480000E-01	4.8565000E-01	3.6171000E-01	9.2661000E-01

7.9662000E+02	7.4984000E-01	4.8552000E-01	3.6406000E-01	9.3264000E-01
7.9672000E+02	7.5441000E-01	4.8541000E-01	3.6620000E-01	9.3811000E-01
7.9682000E+02	7.5856000E-01	4.8530000E-01	3.6813000E-01	9.4306000E-01
7.9692000E+02	7.6234000E-01	4.8520000E-01	3.6989000E-01	9.4755000E-01
7.9702000E+02	7.6580000E-01	4.8509000E-01	3.7148000E-01	9.5164000E-01
7.9712000E+02	7.6898000E-01	4.8497000E-01	3.7293000E-01	9.5536000E-01
7.9722000E+02	7.7191000E-01	4.8486000E-01	3.7427000E-01	9.5878000E-01
7.9732000E+02	7.7464000E-01	4.8474000E-01	3.7550000E-01	9.6194000E-01
7.9742000E+02	7.7718000E-01	4.8463000E-01	3.7664000E-01	9.6486000E-01
7.9752000E+02	7.7956000E-01	4.8451000E-01	3.7771000E-01	9.6758000E-01
7.9762000E+02	7.8179000E-01	4.8439000E-01	3.7870000E-01	9.7012000E-01
7.9772000E+02	7.8390000E-01	4.8428000E-01	3.7962000E-01	9.7250000E-01
7.9782000E+02	7.8588000E-01	4.8416000E-01	3.8049000E-01	9.7472000E-01
7.9792000E+02	7.8775000E-01	4.8404000E-01	3.8130000E-01	9.7680000E-01
7.9802000E+02	7.8953000E-01	4.8395000E-01	3.8209000E-01	9.7881000E-01
7.9812000E+02	7.9123000E-01	4.8393000E-01	3.8290000E-01	9.8088000E-01
7.9822000E+02	7.9286000E-01	4.8391000E-01	3.8367000E-01	9.8286000E-01
7.9832000E+02	7.9443000E-01	4.8389000E-01	3.8442000E-01	9.8477000E-01
7.9842000E+02	7.9595000E-01	4.8387000E-01	3.8514000E-01	9.8662000E-01
7.9852000E+02	7.9742000E-01	4.8385000E-01	3.8583000E-01	9.8840000E-01
7.9862000E+02	7.9884000E-01	4.8383000E-01	3.8651000E-01	9.9013000E-01
7.9872000E+02	8.0020000E-01	4.8383000E-01	3.8716000E-01	9.9181000E-01
7.9882000E+02	8.0149000E-01	4.8382000E-01	3.8778000E-01	9.9339000E-01
7.9892000E+02	8.0267000E-01	4.8382000E-01	3.8835000E-01	9.9485000E-01
7.9902000E+02	8.0374000E-01	4.8381000E-01	3.8886000E-01	9.9616000E-01
7.9912000E+02	8.0467000E-01	4.8380000E-01	3.8930000E-01	9.9729000E-01
7.9922000E+02	8.0545000E-01	4.8379000E-01	3.8967000E-01	9.9823000E-01
7.9932000E+02	8.0606000E-01	4.8378000E-01	3.8996000E-01	9.9897000E-01
7.9942000E+02	8.0650000E-01	4.8377000E-01	3.9016000E-01	9.9950000E-01
7.9952000E+02	8.0679000E-01	4.8376000E-01	3.9029000E-01	9.9983000E-01
7.9962000E+02	8.0693000E-01	4.8375000E-01	3.9035000E-01	9.9999000E-01
7.9972000E+02	8.0696000E-01	4.8374000E-01	3.9036000E-01	1.0000000E+00
7.9982000E+02	8.0690000E-01	4.8373000E-01	3.9032000E-01	9.9990000E-01
7.9992000E+02	8.0677000E-01	4.8372000E-01	3.9025000E-01	9.9973000E-01
8.0002000E+02	8.0662000E-01	4.8366000E-01	3.9013000E-01	9.9942000E-01
8.0012000E+02	8.0646000E-01	4.8342000E-01	3.8986000E-01	9.9872000E-01
8.0022000E+02	8.0630000E-01	4.8317000E-01	3.8958000E-01	9.9801000E-01
8.0032000E+02	8.0614000E-01	4.8293000E-01	3.8931000E-01	9.9731000E-01
8.0042000E+02	8.0597000E-01	4.8268000E-01	3.8903000E-01	9.9659000E-01
8.0052000E+02	8.0577000E-01	4.8244000E-01	3.8873000E-01	9.9584000E-01
8.0062000E+02	8.0550000E-01	4.8220000E-01	3.8841000E-01	9.9500000E-01
8.0072000E+02	8.0513000E-01	4.8195000E-01	3.8804000E-01	9.9405000E-01
8.0082000E+02	8.0462000E-01	4.8171000E-01	3.8760000E-01	9.9292000E-01

8.0092000E+02	8.0395000E-01	4.8147000E-01	3.8708000E-01	9.9159000E-01
8.0102000E+02	8.0309000E-01	4.8123000E-01	3.8647000E-01	9.9003000E-01
8.0112000E+02	8.0203000E-01	4.8098000E-01	3.8577000E-01	9.8823000E-01
8.0122000E+02	8.0080000E-01	4.8074000E-01	3.8497000E-01	9.8621000E-01
8.0132000E+02	7.9940000E-01	4.8049000E-01	3.8411000E-01	9.8399000E-01
8.0142000E+02	7.9789000E-01	4.8025000E-01	3.8319000E-01	9.8162000E-01
8.0152000E+02	7.9630000E-01	4.8001000E-01	3.8223000E-01	9.7917000E-01
8.0162000E+02	7.9469000E-01	4.7976000E-01	3.8126000E-01	9.7670000E-01
8.0172000E+02	7.9312000E-01	4.7952000E-01	3.8032000E-01	9.7427000E-01
8.0182000E+02	7.9161000E-01	4.7928000E-01	3.7940000E-01	9.7193000E-01
8.0192000E+02	7.9022000E-01	4.7904000E-01	3.7854000E-01	9.6973000E-01
8.0202000E+02	7.8894000E-01	4.7882000E-01	3.7776000E-01	9.6772000E-01
8.0212000E+02	7.8777000E-01	4.7871000E-01	3.7712000E-01	9.6607000E-01
8.0222000E+02	7.8670000E-01	4.7860000E-01	3.7652000E-01	9.6454000E-01
8.0232000E+02	7.8570000E-01	4.7850000E-01	3.7595000E-01	9.6310000E-01
8.0242000E+02	7.8471000E-01	4.7839000E-01	3.7540000E-01	9.6167000E-01
8.0252000E+02	7.8371000E-01	4.7826000E-01	3.7482000E-01	9.6019000E-01
8.0262000E+02	7.8266000E-01	4.7813000E-01	3.7421000E-01	9.5863000E-01
8.0272000E+02	7.8153000E-01	4.7799000E-01	3.7356000E-01	9.5697000E-01
8.0282000E+02	7.8030000E-01	4.7786000E-01	3.7288000E-01	9.5521000E-01
8.0292000E+02	7.7901000E-01	4.7773000E-01	3.7215000E-01	9.5336000E-01
8.0302000E+02	7.7767000E-01	4.7759000E-01	3.7141000E-01	9.5145000E-01
8.0312000E+02	7.7634000E-01	4.7745000E-01	3.7067000E-01	9.4955000E-01
8.0322000E+02	7.7507000E-01	4.7732000E-01	3.6996000E-01	9.4773000E-01
8.0332000E+02	7.7394000E-01	4.7718000E-01	3.6931000E-01	9.4607000E-01
8.0342000E+02	7.7300000E-01	4.7704000E-01	3.6875000E-01	9.4465000E-01
8.0352000E+02	7.7231000E-01	4.7691000E-01	3.6832000E-01	9.4354000E-01
8.0362000E+02	7.7191000E-01	4.7677000E-01	3.6802000E-01	9.4278000E-01
8.0372000E+02	7.7181000E-01	4.7663000E-01	3.6787000E-01	9.4239000E-01
8.0382000E+02	7.7200000E-01	4.7650000E-01	3.6786000E-01	9.4236000E-01
8.0392000E+02	7.7245000E-01	4.7636000E-01	3.6797000E-01	9.4263000E-01
8.0402000E+02	7.7310000E-01	4.7622000E-01	3.6817000E-01	9.4315000E-01
8.0412000E+02	7.7388000E-01	4.7608000E-01	3.6843000E-01	9.4382000E-01
8.0422000E+02	7.7471000E-01	4.7593000E-01	3.6871000E-01	9.4454000E-01
8.0432000E+02	7.7551000E-01	4.7579000E-01	3.6898000E-01	9.4523000E-01
8.0442000E+02	7.7620000E-01	4.7564000E-01	3.6919000E-01	9.4577000E-01
8.0452000E+02	7.7672000E-01	4.7548000E-01	3.6932000E-01	9.4610000E-01
8.0462000E+02	7.7702000E-01	4.7533000E-01	3.6934000E-01	9.4616000E-01
8.0472000E+02	7.7709000E-01	4.7518000E-01	3.6925000E-01	9.4593000E-01
8.0482000E+02	7.7690000E-01	4.7502000E-01	3.6904000E-01	9.4539000E-01
8.0492000E+02	7.7646000E-01	4.7487000E-01	3.6872000E-01	9.4456000E-01
8.0502000E+02	7.7579000E-01	4.7471000E-01	3.6828000E-01	9.4343000E-01
8.0512000E+02	7.7488000E-01	4.7456000E-01	3.6773000E-01	9.4203000E-01

8.0522000E+02	7.7376000E-01	4.7441000E-01	3.6708000E-01	9.4036000E-01
8.0532000E+02	7.7241000E-01	4.7425000E-01	3.6632000E-01	9.3841000E-01
8.0542000E+02	7.7079000E-01	4.7410000E-01	3.6543000E-01	9.3614000E-01
8.0552000E+02	7.6887000E-01	4.7395000E-01	3.6440000E-01	9.3351000E-01
8.0562000E+02	7.6658000E-01	4.7379000E-01	3.6320000E-01	9.3042000E-01
8.0572000E+02	7.6383000E-01	4.7364000E-01	3.6178000E-01	9.2679000E-01
8.0582000E+02	7.6053000E-01	4.7349000E-01	3.6010000E-01	9.2249000E-01
8.0592000E+02	7.5659000E-01	4.7334000E-01	3.5812000E-01	9.1741000E-01
8.0602000E+02	7.5190000E-01	4.7318000E-01	3.5578000E-01	9.1141000E-01
8.0612000E+02	7.4639000E-01	4.7299000E-01	3.5303000E-01	9.0437000E-01
8.0622000E+02	7.3999000E-01	4.7280000E-01	3.4986000E-01	8.9626000E-01
8.0632000E+02	7.3266000E-01	4.7261000E-01	3.4626000E-01	8.8704000E-01
8.0642000E+02	7.2438000E-01	4.7243000E-01	3.4222000E-01	8.7668000E-01
8.0652000E+02	7.1515000E-01	4.7226000E-01	3.3773000E-01	8.6519000E-01
8.0662000E+02	7.0500000E-01	4.7208000E-01	3.3281000E-01	8.5258000E-01
8.0672000E+02	6.9396000E-01	4.7190000E-01	3.2748000E-01	8.3892000E-01
8.0682000E+02	6.8209000E-01	4.7172000E-01	3.2176000E-01	8.2426000E-01
8.0692000E+02	6.6944000E-01	4.7154000E-01	3.1567000E-01	8.0866000E-01
8.0702000E+02	6.5605000E-01	4.7137000E-01	3.0924000E-01	7.9220000E-01
8.0712000E+02	6.4198000E-01	4.7120000E-01	3.0250000E-01	7.7492000E-01
8.0722000E+02	6.2726000E-01	4.7103000E-01	2.9546000E-01	7.5688000E-01
8.0732000E+02	6.1193000E-01	4.7086000E-01	2.8813000E-01	7.3812000E-01
8.0742000E+02	5.9603000E-01	4.7068000E-01	2.8054000E-01	7.1867000E-01
8.0752000E+02	5.7959000E-01	4.7051000E-01	2.7270000E-01	6.9859000E-01
8.0762000E+02	5.6264000E-01	4.7034000E-01	2.6463000E-01	6.7792000E-01
8.0772000E+02	5.4524000E-01	4.7017000E-01	2.5636000E-01	6.5672000E-01
8.0782000E+02	5.2745000E-01	4.7000000E-01	2.4790000E-01	6.3506000E-01
8.0792000E+02	5.0935000E-01	4.6983000E-01	2.3931000E-01	6.1304000E-01
8.0802000E+02	4.9101000E-01	4.6966000E-01	2.3061000E-01	5.9077000E-01
8.0812000E+02	4.7255000E-01	4.6952000E-01	2.2188000E-01	5.6839000E-01
8.0822000E+02	4.5407000E-01	4.6938000E-01	2.1313000E-01	5.4600000E-01
8.0832000E+02	4.3568000E-01	4.6925000E-01	2.0444000E-01	5.2373000E-01
8.0842000E+02	4.1747000E-01	4.6912000E-01	1.9584000E-01	5.0170000E-01
8.0852000E+02	3.9954000E-01	4.6898000E-01	1.8738000E-01	4.8001000E-01
8.0862000E+02	3.8196000E-01	4.6885000E-01	1.7908000E-01	4.5876000E-01
8.0872000E+02	3.6478000E-01	4.6872000E-01	1.7098000E-01	4.3800000E-01
8.0882000E+02	3.4803000E-01	4.6858000E-01	1.6308000E-01	4.1777000E-01
8.0892000E+02	3.3173000E-01	4.6845000E-01	1.5540000E-01	3.9809000E-01
8.0902000E+02	3.1586000E-01	4.6832000E-01	1.4792000E-01	3.7894000E-01
8.0912000E+02	3.0042000E-01	4.6819000E-01	1.4065000E-01	3.6032000E-01
8.0922000E+02	2.8539000E-01	4.6806000E-01	1.3358000E-01	3.4220000E-01
8.0932000E+02	2.7074000E-01	4.6793000E-01	1.2669000E-01	3.2454000E-01
8.0942000E+02	2.5648000E-01	4.6780000E-01	1.1998000E-01	3.0736000E-01

8.0952000E+02	2.4259000E-01	4.6768000E-01	1.1345000E-01	2.9064000E-01
8.0962000E+02	2.2910000E-01	4.6755000E-01	1.0712000E-01	2.7440000E-01
8.0972000E+02	2.1604000E-01	4.6742000E-01	1.0098000E-01	2.5869000E-01
8.0982000E+02	2.0346000E-01	4.6729000E-01	9.5073000E-02	2.4355000E-01
8.0992000E+02	1.9139000E-01	4.6717000E-01	8.9409000E-02	2.2904000E-01
8.1002000E+02	1.7988000E-01	4.6703000E-01	8.4010000E-02	2.1521000E-01
8.1012000E+02	1.6899000E-01	4.6683000E-01	7.8889000E-02	2.0209000E-01
8.1022000E+02	1.5874000E-01	4.6665000E-01	7.4074000E-02	1.8976000E-01
8.1032000E+02	1.4914000E-01	4.6647000E-01	6.9568000E-02	1.7822000E-01
8.1042000E+02	1.4020000E-01	4.6628000E-01	6.5373000E-02	1.6747000E-01
8.1052000E+02	1.3189000E-01	4.6610000E-01	6.1476000E-02	1.5749000E-01
8.1062000E+02	1.2419000E-01	4.6592000E-01	5.7861000E-02	1.4823000E-01
8.1072000E+02	1.1703000E-01	4.6574000E-01	5.4505000E-02	1.3963000E-01
8.1082000E+02	1.1036000E-01	4.6556000E-01	5.1380000E-02	1.3162000E-01
8.1092000E+02	1.0413000E-01	4.6538000E-01	4.8458000E-02	1.2414000E-01
8.1102000E+02	9.8267000E-02	4.6520000E-01	4.5714000E-02	1.1711000E-01
8.1112000E+02	9.2735000E-02	4.6502000E-01	4.3124000E-02	1.1047000E-01
8.1122000E+02	8.7494000E-02	4.6484000E-01	4.0671000E-02	1.0419000E-01
8.1132000E+02	8.2518000E-02	4.6466000E-01	3.8343000E-02	9.8225000E-02
8.1142000E+02	7.7794000E-02	4.6449000E-01	3.6134000E-02	9.2567000E-02
8.1152000E+02	7.3320000E-02	4.6431000E-01	3.4043000E-02	8.7209000E-02
8.1162000E+02	6.9096000E-02	4.6413000E-01	3.2069000E-02	8.2154000E-02
8.1172000E+02	6.5127000E-02	4.6395000E-01	3.0216000E-02	7.7405000E-02
8.1182000E+02	6.1416000E-02	4.6377000E-01	2.8483000E-02	7.2967000E-02
8.1192000E+02	5.7960000E-02	4.6359000E-01	2.6870000E-02	6.8834000E-02
8.1202000E+02	5.4750000E-02	4.6345000E-01	2.5374000E-02	6.5001000E-02
8.1212000E+02	5.1769000E-02	4.6343000E-01	2.3991000E-02	6.1460000E-02
8.1222000E+02	4.8996000E-02	4.6342000E-01	2.2706000E-02	5.8166000E-02
8.1232000E+02	4.6404000E-02	4.6341000E-01	2.1504000E-02	5.5088000E-02
8.1242000E+02	4.3968000E-02	4.6340000E-01	2.0374000E-02	5.2194000E-02
8.1252000E+02	4.1663000E-02	4.6339000E-01	1.9306000E-02	4.9458000E-02
8.1262000E+02	3.9474000E-02	4.6338000E-01	1.8292000E-02	4.6858000E-02
8.1272000E+02	3.7391000E-02	4.6336000E-01	1.7326000E-02	4.4384000E-02
8.1282000E+02	3.5413000E-02	4.6335000E-01	1.6409000E-02	4.2035000E-02
8.1292000E+02	3.3545000E-02	4.6334000E-01	1.5543000E-02	3.9817000E-02
8.1302000E+02	3.1799000E-02	4.6333000E-01	1.4734000E-02	3.7744000E-02
8.1312000E+02	3.0188000E-02	4.6333000E-01	1.3987000E-02	3.5831000E-02
8.1322000E+02	2.8720000E-02	4.6332000E-01	1.3307000E-02	3.4089000E-02
8.1332000E+02	2.7401000E-02	4.6332000E-01	1.2696000E-02	3.2523000E-02
8.1342000E+02	2.6225000E-02	4.6332000E-01	1.2150000E-02	3.1126000E-02
8.1352000E+02	2.5175000E-02	4.6331000E-01	1.1664000E-02	2.9880000E-02
8.1362000E+02	2.4224000E-02	4.6331000E-01	1.1223000E-02	2.8751000E-02
8.1372000E+02	2.3337000E-02	4.6330000E-01	1.0812000E-02	2.7698000E-02

8.1382000E+02	2.2474000E-02	4.6330000E-01	1.0412000E-02	2.6674000E-02
8.1392000E+02	2.1594000E-02	4.6330000E-01	1.0004000E-02	2.5629000E-02
8.1402000E+02	2.0662000E-02	4.6328000E-01	9.5725000E-03	2.4522000E-02
8.1412000E+02	1.9655000E-02	4.6321000E-01	9.1043000E-03	2.3323000E-02
8.1422000E+02	1.8562000E-02	4.6314000E-01	8.5967000E-03	2.2023000E-02
8.1432000E+02	1.7390000E-02	4.6307000E-01	8.0530000E-03	2.0630000E-02
8.1442000E+02	1.6164000E-02	4.6301000E-01	7.4841000E-03	1.9172000E-02
8.1452000E+02	1.4922000E-02	4.6294000E-01	6.9082000E-03	1.7697000E-02
8.1462000E+02	1.3714000E-02	4.6287000E-01	6.3478000E-03	1.6261000E-02
8.1472000E+02	1.2591000E-02	4.6280000E-01	5.8274000E-03	1.4928000E-02
8.1482000E+02	1.1606000E-02	4.6274000E-01	5.3704000E-03	1.3758000E-02
8.1492000E+02	1.0797000E-02	4.6267000E-01	4.9954000E-03	1.2797000E-02
8.1502000E+02	1.0190000E-02	4.6260000E-01	4.7140000E-03	1.2076000E-02
8.1512000E+02	1.0612000E-02	4.6254000E-01	4.9084000E-03	1.2574000E-02
8.1522000E+02	1.0244000E-02	4.6247000E-01	4.7376000E-03	1.2136000E-02
8.1532000E+02	9.9618000E-03	4.6241000E-01	4.6064000E-03	1.1800000E-02
8.1542000E+02	9.7375000E-03	4.6235000E-01	4.5021000E-03	1.1533000E-02
8.1552000E+02	9.5392000E-03	4.6228000E-01	4.4098000E-03	1.1297000E-02
8.1562000E+02	9.3340000E-03	4.6222000E-01	4.3143000E-03	1.1052000E-02
8.1572000E+02	9.0921000E-03	4.6215000E-01	4.2020000E-03	1.0764000E-02
8.1582000E+02	8.7906000E-03	4.6209000E-01	4.0621000E-03	1.0406000E-02
8.1592000E+02	8.4157000E-03	4.6202000E-01	3.8883000E-03	9.9607000E-03
8.1602000E+02	7.9648000E-03	4.6198000E-01	3.6796000E-03	9.4262000E-03
8.1612000E+02	7.4467000E-03	4.6202000E-01	3.4406000E-03	8.8139000E-03
8.1622000E+02	6.8808000E-03	4.6206000E-01	3.1794000E-03	8.1447000E-03
8.1632000E+02	6.2944000E-03	4.6210000E-01	2.9087000E-03	7.4512000E-03
8.1642000E+02	5.7198000E-03	4.6214000E-01	2.6433000E-03	6.7716000E-03
8.1652000E+02	5.1902000E-03	4.6218000E-01	2.3988000E-03	6.1451000E-03
8.1662000E+02	4.7359000E-03	4.6222000E-01	2.1890000E-03	5.6077000E-03
8.1672000E+02	4.3808000E-03	4.6225000E-01	2.0250000E-03	5.1876000E-03
8.1682000E+02	4.1392000E-03	4.6229000E-01	1.9135000E-03	4.9020000E-03
8.1692000E+02	4.0148000E-03	4.6233000E-01	1.8562000E-03	4.7550000E-03
8.1702000E+02	3.9997000E-03	4.6236000E-01	1.8493000E-03	4.7375000E-03
8.1712000E+02	4.0757000E-03	4.6240000E-01	1.8846000E-03	4.8278000E-03
8.1722000E+02	0.0000000E+00	4.6244000E-01	0.0000000E+00	0.0000000E+00
Channel 11				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.3268000E+03	0.0000000E+00	3.0024000E-01	0.0000000E+00	0.0000000E+00
1.3269000E+03	1.9651000E-03	3.0037000E-01	5.9025000E-04	2.5187000E-03
1.3270000E+03	1.9665000E-03	3.0051000E-01	5.9094000E-04	2.5216000E-03

1.3271000E+03	1.9815000E-03	3.0064000E-01	5.9572000E-04	2.5421000E-03
1.3272000E+03	2.0101000E-03	3.0077000E-01	6.0456000E-04	2.5798000E-03
1.3273000E+03	2.0520000E-03	3.0089000E-01	6.1742000E-04	2.6347000E-03
1.3274000E+03	2.1069000E-03	3.0101000E-01	6.3419000E-04	2.7062000E-03
1.3275000E+03	2.1741000E-03	3.0114000E-01	6.5469000E-04	2.7937000E-03
1.3276000E+03	2.2529000E-03	3.0126000E-01	6.7870000E-04	2.8961000E-03
1.3277000E+03	2.3424000E-03	3.0138000E-01	7.0596000E-04	3.0125000E-03
1.3278000E+03	2.4416000E-03	3.0150000E-01	7.3616000E-04	3.1413000E-03
1.3279000E+03	2.5494000E-03	3.0163000E-01	7.6897000E-04	3.2813000E-03
1.3280000E+03	2.6645000E-03	3.0175000E-01	8.0401000E-04	3.4309000E-03
1.3281000E+03	2.7856000E-03	3.0183000E-01	8.4077000E-04	3.5877000E-03
1.3282000E+03	2.9114000E-03	3.0190000E-01	8.7896000E-04	3.7507000E-03
1.3283000E+03	3.0406000E-03	3.0198000E-01	9.1819000E-04	3.9181000E-03
1.3284000E+03	3.1718000E-03	3.0205000E-01	9.5805000E-04	4.0882000E-03
1.3285000E+03	3.3038000E-03	3.0213000E-01	9.9817000E-04	4.2594000E-03
1.3286000E+03	3.4354000E-03	3.0220000E-01	1.0382000E-03	4.4301000E-03
1.3287000E+03	3.5655000E-03	3.0228000E-01	1.0778000E-03	4.5991000E-03
1.3288000E+03	3.6932000E-03	3.0235000E-01	1.1166000E-03	4.7650000E-03
1.3289000E+03	3.8176000E-03	3.0243000E-01	1.1546000E-03	4.9267000E-03
1.3290000E+03	3.9381000E-03	3.0250000E-01	1.1913000E-03	5.0835000E-03
1.3291000E+03	4.0541000E-03	3.0258000E-01	1.2267000E-03	5.2345000E-03
1.3292000E+03	4.1652000E-03	3.0265000E-01	1.2606000E-03	5.3792000E-03
1.3293000E+03	4.2712000E-03	3.0272000E-01	1.2930000E-03	5.5175000E-03
1.3294000E+03	4.3721000E-03	3.0279000E-01	1.3238000E-03	5.6491000E-03
1.3295000E+03	4.4678000E-03	3.0287000E-01	1.3532000E-03	5.7742000E-03
1.3296000E+03	4.5587000E-03	3.0294000E-01	1.3810000E-03	5.8930000E-03
1.3297000E+03	4.6451000E-03	3.0301000E-01	1.4075000E-03	6.0060000E-03
1.3298000E+03	4.7274000E-03	3.0308000E-01	1.4328000E-03	6.1139000E-03
1.3299000E+03	4.8062000E-03	3.0315000E-01	1.4570000E-03	6.2174000E-03
1.3300000E+03	4.8824000E-03	3.0322000E-01	1.4805000E-03	6.3174000E-03
1.3301000E+03	4.9568000E-03	3.0333000E-01	1.5036000E-03	6.4160000E-03
1.3302000E+03	5.0303000E-03	3.0344000E-01	1.5264000E-03	6.5134000E-03
1.3303000E+03	5.1041000E-03	3.0354000E-01	1.5493000E-03	6.6112000E-03
1.3304000E+03	5.1791000E-03	3.0365000E-01	1.5726000E-03	6.7107000E-03
1.3305000E+03	5.2566000E-03	3.0376000E-01	1.5967000E-03	6.8136000E-03
1.3306000E+03	5.3379000E-03	3.0386000E-01	1.6220000E-03	6.9213000E-03
1.3307000E+03	5.4241000E-03	3.0397000E-01	1.6488000E-03	7.0356000E-03
1.3308000E+03	5.5166000E-03	3.0408000E-01	1.6775000E-03	7.1582000E-03
1.3309000E+03	5.6166000E-03	3.0418000E-01	1.7085000E-03	7.2905000E-03
1.3310000E+03	5.7254000E-03	3.0428000E-01	1.7421000E-03	7.4340000E-03
1.3311000E+03	5.8439000E-03	3.0437000E-01	1.7787000E-03	7.5902000E-03
1.3312000E+03	5.9734000E-03	3.0446000E-01	1.8187000E-03	7.7606000E-03
1.3313000E+03	6.1149000E-03	3.0455000E-01	1.8623000E-03	7.9467000E-03

1.3314000E+03	6.2692000E-03	3.0463000E-01	1.9098000E-03	8.1495000E-03
1.3315000E+03	6.4370000E-03	3.0472000E-01	1.9615000E-03	8.3701000E-03
1.3316000E+03	6.6190000E-03	3.0481000E-01	2.0175000E-03	8.6092000E-03
1.3317000E+03	6.8156000E-03	3.0489000E-01	2.0780000E-03	8.8674000E-03
1.3318000E+03	7.0270000E-03	3.0498000E-01	2.1431000E-03	9.1451000E-03
1.3319000E+03	7.2534000E-03	3.0507000E-01	2.2128000E-03	9.4424000E-03
1.3320000E+03	7.4945000E-03	3.0516000E-01	2.2870000E-03	9.7590000E-03
1.3321000E+03	7.7499000E-03	3.0520000E-01	2.3652000E-03	1.0093000E-02
1.3322000E+03	8.0193000E-03	3.0523000E-01	2.4477000E-03	1.0445000E-02
1.3323000E+03	8.3016000E-03	3.0527000E-01	2.5343000E-03	1.0814000E-02
1.3324000E+03	8.5961000E-03	3.0531000E-01	2.6245000E-03	1.1199000E-02
1.3325000E+03	8.9015000E-03	3.0535000E-01	2.7181000E-03	1.1599000E-02
1.3326000E+03	9.2165000E-03	3.0539000E-01	2.8146000E-03	1.2010000E-02
1.3327000E+03	9.5396000E-03	3.0543000E-01	2.9137000E-03	1.2433000E-02
1.3328000E+03	9.8694000E-03	3.0547000E-01	3.0148000E-03	1.2865000E-02
1.3329000E+03	1.0204000E-02	3.0551000E-01	3.1174000E-03	1.3303000E-02
1.3330000E+03	1.0542000E-02	3.0552000E-01	3.2210000E-03	1.3744000E-02
1.3331000E+03	1.0883000E-02	3.0553000E-01	3.3250000E-03	1.4189000E-02
1.3332000E+03	1.1223000E-02	3.0555000E-01	3.4293000E-03	1.4633000E-02
1.3333000E+03	1.1563000E-02	3.0556000E-01	3.5333000E-03	1.5077000E-02
1.3334000E+03	1.1901000E-02	3.0557000E-01	3.6367000E-03	1.5518000E-02
1.3335000E+03	1.2237000E-02	3.0559000E-01	3.7393000E-03	1.5956000E-02
1.3336000E+03	1.2569000E-02	3.0560000E-01	3.8410000E-03	1.6390000E-02
1.3337000E+03	1.2898000E-02	3.0561000E-01	3.9417000E-03	1.6820000E-02
1.3338000E+03	1.3224000E-02	3.0562000E-01	4.0415000E-03	1.7246000E-02
1.3339000E+03	1.3547000E-02	3.0564000E-01	4.1406000E-03	1.7669000E-02
1.3340000E+03	1.3870000E-02	3.0565000E-01	4.2393000E-03	1.8090000E-02
1.3341000E+03	1.4193000E-02	3.0564000E-01	4.3380000E-03	1.8511000E-02
1.3342000E+03	1.4518000E-02	3.0564000E-01	4.4374000E-03	1.8935000E-02
1.3343000E+03	1.4849000E-02	3.0563000E-01	4.5383000E-03	1.9366000E-02
1.3344000E+03	1.5187000E-02	3.0562000E-01	4.6416000E-03	1.9807000E-02
1.3345000E+03	1.5537000E-02	3.0562000E-01	4.7483000E-03	2.0262000E-02
1.3346000E+03	1.5901000E-02	3.0561000E-01	4.8596000E-03	2.0737000E-02
1.3347000E+03	1.6284000E-02	3.0561000E-01	4.9766000E-03	2.1236000E-02
1.3348000E+03	1.6690000E-02	3.0560000E-01	5.1006000E-03	2.1765000E-02
1.3349000E+03	1.7124000E-02	3.0560000E-01	5.2329000E-03	2.2330000E-02
1.3350000E+03	1.7588000E-02	3.0559000E-01	5.3749000E-03	2.2936000E-02
1.3351000E+03	1.8089000E-02	3.0559000E-01	5.5279000E-03	2.3589000E-02
1.3352000E+03	1.8630000E-02	3.0559000E-01	5.6932000E-03	2.4294000E-02
1.3353000E+03	1.9216000E-02	3.0558000E-01	5.8720000E-03	2.5057000E-02
1.3354000E+03	1.9849000E-02	3.0558000E-01	6.0655000E-03	2.5883000E-02
1.3355000E+03	2.0534000E-02	3.0558000E-01	6.2748000E-03	2.6776000E-02
1.3356000E+03	2.1274000E-02	3.0558000E-01	6.5009000E-03	2.7740000E-02

1.3357000E+03	2.2072000E-02	3.0557000E-01	6.7445000E-03	2.8780000E-02
1.3358000E+03	2.2929000E-02	3.0557000E-01	7.0064000E-03	2.9898000E-02
1.3359000E+03	2.3848000E-02	3.0557000E-01	7.2871000E-03	3.1095000E-02
1.3360000E+03	2.4829000E-02	3.0556000E-01	7.5870000E-03	3.2375000E-02
1.3361000E+03	2.5875000E-02	3.0552000E-01	7.9053000E-03	3.3733000E-02
1.3362000E+03	2.6984000E-02	3.0548000E-01	8.2430000E-03	3.5175000E-02
1.3363000E+03	2.8157000E-02	3.0543000E-01	8.6002000E-03	3.6699000E-02
1.3364000E+03	2.9394000E-02	3.0539000E-01	8.9767000E-03	3.8305000E-02
1.3365000E+03	3.0694000E-02	3.0535000E-01	9.3723000E-03	3.9993000E-02
1.3366000E+03	3.2055000E-02	3.0530000E-01	9.7866000E-03	4.1761000E-02
1.3367000E+03	3.3478000E-02	3.0526000E-01	1.0219000E-02	4.3608000E-02
1.3368000E+03	3.4960000E-02	3.0523000E-01	1.0671000E-02	4.5535000E-02
1.3369000E+03	3.6502000E-02	3.0521000E-01	1.1141000E-02	4.7539000E-02
1.3370000E+03	3.8101000E-02	3.0519000E-01	1.1628000E-02	4.9619000E-02
1.3371000E+03	3.9759000E-02	3.0517000E-01	1.2133000E-02	5.1775000E-02
1.3372000E+03	4.1474000E-02	3.0515000E-01	1.2656000E-02	5.4006000E-02
1.3373000E+03	4.3248000E-02	3.0514000E-01	1.3197000E-02	5.6313000E-02
1.3374000E+03	4.5082000E-02	3.0512000E-01	1.3756000E-02	5.8698000E-02
1.3375000E+03	4.6977000E-02	3.0511000E-01	1.4333000E-02	6.1162000E-02
1.3376000E+03	4.8937000E-02	3.0509000E-01	1.4930000E-02	6.3709000E-02
1.3377000E+03	5.0621000E-02	3.0507000E-01	1.5443000E-02	6.5899000E-02
1.3378000E+03	5.2694000E-02	3.0506000E-01	1.6075000E-02	6.8594000E-02
1.3379000E+03	5.4839000E-02	3.0504000E-01	1.6728000E-02	7.1383000E-02
1.3380000E+03	5.7063000E-02	3.0502000E-01	1.7406000E-02	7.4273000E-02
1.3381000E+03	5.9371000E-02	3.0496000E-01	1.8106000E-02	7.7263000E-02
1.3382000E+03	6.1773000E-02	3.0490000E-01	1.8835000E-02	8.0372000E-02
1.3383000E+03	6.4275000E-02	3.0485000E-01	1.9594000E-02	8.3612000E-02
1.3384000E+03	6.6889000E-02	3.0479000E-01	2.0387000E-02	8.6994000E-02
1.3385000E+03	6.9623000E-02	3.0473000E-01	2.1216000E-02	9.0533000E-02
1.3386000E+03	7.2488000E-02	3.0467000E-01	2.2085000E-02	9.4240000E-02
1.3387000E+03	7.5495000E-02	3.0461000E-01	2.2997000E-02	9.8132000E-02
1.3388000E+03	7.8656000E-02	3.0457000E-01	2.3956000E-02	1.0222000E-01
1.3389000E+03	8.1980000E-02	3.0452000E-01	2.4965000E-02	1.0653000E-01
1.3390000E+03	8.5480000E-02	3.0448000E-01	2.6027000E-02	1.1106000E-01
1.3391000E+03	8.9168000E-02	3.0443000E-01	2.7146000E-02	1.1584000E-01
1.3392000E+03	9.3053000E-02	3.0439000E-01	2.8324000E-02	1.2086000E-01
1.3393000E+03	9.7146000E-02	3.0434000E-01	2.9566000E-02	1.2616000E-01
1.3394000E+03	1.0146000E-01	3.0429000E-01	3.0873000E-02	1.3174000E-01
1.3395000E+03	1.0600000E-01	3.0425000E-01	3.2251000E-02	1.3762000E-01
1.3396000E+03	1.1078000E-01	3.0420000E-01	3.3700000E-02	1.4380000E-01
1.3397000E+03	1.1581000E-01	3.0415000E-01	3.5223000E-02	1.5030000E-01
1.3398000E+03	1.2109000E-01	3.0411000E-01	3.6824000E-02	1.5713000E-01
1.3399000E+03	1.2663000E-01	3.0406000E-01	3.8504000E-02	1.6430000E-01

1.3400000E+03	1.3244000E-01	3.0401000E-01	4.0265000E-02	1.7182000E-01
1.3401000E+03	1.3853000E-01	3.0403000E-01	4.2117000E-02	1.7972000E-01
1.3402000E+03	1.4489000E-01	3.0404000E-01	4.4053000E-02	1.8798000E-01
1.3403000E+03	1.5154000E-01	3.0405000E-01	4.6077000E-02	1.9662000E-01
1.3404000E+03	1.5847000E-01	3.0407000E-01	4.8187000E-02	2.0562000E-01
1.3405000E+03	1.6570000E-01	3.0408000E-01	5.0385000E-02	2.1500000E-01
1.3406000E+03	1.7321000E-01	3.0409000E-01	5.2671000E-02	2.2476000E-01
1.3407000E+03	1.8101000E-01	3.0412000E-01	5.5050000E-02	2.3491000E-01
1.3408000E+03	1.8910000E-01	3.0416000E-01	5.7517000E-02	2.4544000E-01
1.3409000E+03	1.9748000E-01	3.0419000E-01	6.0073000E-02	2.5634000E-01
1.3410000E+03	2.0615000E-01	3.0422000E-01	6.2717000E-02	2.6762000E-01
1.3411000E+03	2.1511000E-01	3.0425000E-01	6.5448000E-02	2.7928000E-01
1.3412000E+03	2.2434000E-01	3.0429000E-01	6.8265000E-02	2.9130000E-01
1.3413000E+03	2.3386000E-01	3.0432000E-01	7.1167000E-02	3.0368000E-01
1.3414000E+03	2.4364000E-01	3.0435000E-01	7.4152000E-02	3.1642000E-01
1.3415000E+03	2.5369000E-01	3.0438000E-01	7.7218000E-02	3.2950000E-01
1.3416000E+03	2.6399000E-01	3.0441000E-01	8.0363000E-02	3.4293000E-01
1.3417000E+03	2.7455000E-01	3.0445000E-01	8.3585000E-02	3.5667000E-01
1.3418000E+03	2.8534000E-01	3.0448000E-01	8.6880000E-02	3.7073000E-01
1.3419000E+03	2.9636000E-01	3.0451000E-01	9.0245000E-02	3.8509000E-01
1.3420000E+03	3.0760000E-01	3.0454000E-01	9.3676000E-02	3.9974000E-01
1.3421000E+03	3.1904000E-01	3.0449000E-01	9.7144000E-02	4.1453000E-01
1.3422000E+03	3.3067000E-01	3.0444000E-01	1.0067000E-01	4.2957000E-01
1.3423000E+03	3.4247000E-01	3.0438000E-01	1.0424000E-01	4.4483000E-01
1.3424000E+03	3.5444000E-01	3.0433000E-01	1.0787000E-01	4.6029000E-01
1.3425000E+03	3.6654000E-01	3.0428000E-01	1.1153000E-01	4.7593000E-01
1.3426000E+03	3.7877000E-01	3.0424000E-01	1.1524000E-01	4.9173000E-01
1.3427000E+03	3.9110000E-01	3.0421000E-01	1.1897000E-01	5.0769000E-01
1.3428000E+03	4.0352000E-01	3.0417000E-01	1.2274000E-01	5.2375000E-01
1.3429000E+03	4.1600000E-01	3.0414000E-01	1.2652000E-01	5.3989000E-01
1.3430000E+03	4.2852000E-01	3.0411000E-01	1.3031000E-01	5.5608000E-01
1.3431000E+03	4.4106000E-01	3.0407000E-01	1.3412000E-01	5.7230000E-01
1.3432000E+03	4.5361000E-01	3.0404000E-01	1.3792000E-01	5.8851000E-01
1.3433000E+03	4.6613000E-01	3.0401000E-01	1.4171000E-01	6.0470000E-01
1.3434000E+03	4.7861000E-01	3.0398000E-01	1.4549000E-01	6.2082000E-01
1.3435000E+03	4.9102000E-01	3.0395000E-01	1.4924000E-01	6.3686000E-01
1.3436000E+03	5.0334000E-01	3.0392000E-01	1.5298000E-01	6.5277000E-01
1.3437000E+03	5.1556000E-01	3.0389000E-01	1.5667000E-01	6.6855000E-01
1.3438000E+03	5.2764000E-01	3.0386000E-01	1.6033000E-01	6.8415000E-01
1.3439000E+03	5.3957000E-01	3.0383000E-01	1.6394000E-01	6.9955000E-01
1.3440000E+03	5.5134000E-01	3.0379000E-01	1.6749000E-01	7.1473000E-01
1.3441000E+03	5.6291000E-01	3.0377000E-01	1.7099000E-01	7.2967000E-01
1.3442000E+03	5.7428000E-01	3.0374000E-01	1.7443000E-01	7.4434000E-01

1.3443000E+03	5.8543000E-01	3.0371000E-01	1.7780000E-01	7.5872000E-01
1.3444000E+03	5.9633000E-01	3.0369000E-01	1.8110000E-01	7.7278000E-01
1.3445000E+03	6.0698000E-01	3.0366000E-01	1.8432000E-01	7.8651000E-01
1.3446000E+03	6.1736000E-01	3.0363000E-01	1.8745000E-01	7.9989000E-01
1.3447000E+03	6.2747000E-01	3.0361000E-01	1.9050000E-01	8.1291000E-01
1.3448000E+03	6.3727000E-01	3.0358000E-01	1.9346000E-01	8.2554000E-01
1.3449000E+03	6.4678000E-01	3.0355000E-01	1.9633000E-01	8.3778000E-01
1.3450000E+03	6.5597000E-01	3.0352000E-01	1.9910000E-01	8.4961000E-01
1.3451000E+03	6.6484000E-01	3.0350000E-01	2.0178000E-01	8.6102000E-01
1.3452000E+03	6.7337000E-01	3.0347000E-01	2.0435000E-01	8.7199000E-01
1.3453000E+03	6.8158000E-01	3.0344000E-01	2.0682000E-01	8.8253000E-01
1.3454000E+03	6.8944000E-01	3.0341000E-01	2.0918000E-01	8.9263000E-01
1.3455000E+03	6.9695000E-01	3.0338000E-01	2.1144000E-01	9.0227000E-01
1.3456000E+03	7.0411000E-01	3.0336000E-01	2.1360000E-01	9.1146000E-01
1.3457000E+03	7.1092000E-01	3.0333000E-01	2.1564000E-01	9.2019000E-01
1.3458000E+03	7.1737000E-01	3.0330000E-01	2.1758000E-01	9.2845000E-01
1.3459000E+03	7.2347000E-01	3.0327000E-01	2.1941000E-01	9.3626000E-01
1.3460000E+03	7.2921000E-01	3.0324000E-01	2.2113000E-01	9.4360000E-01
1.3461000E+03	7.3459000E-01	3.0317000E-01	2.2270000E-01	9.5032000E-01
1.3462000E+03	7.3962000E-01	3.0309000E-01	2.2417000E-01	9.5659000E-01
1.3463000E+03	7.4430000E-01	3.0302000E-01	2.2553000E-01	9.6240000E-01
1.3464000E+03	7.4863000E-01	3.0294000E-01	2.2679000E-01	9.6775000E-01
1.3465000E+03	7.5261000E-01	3.0284000E-01	2.2792000E-01	9.7259000E-01
1.3466000E+03	7.5626000E-01	3.0274000E-01	2.2895000E-01	9.7699000E-01
1.3467000E+03	7.5958000E-01	3.0265000E-01	2.2988000E-01	9.8096000E-01
1.3468000E+03	7.6257000E-01	3.0255000E-01	2.3071000E-01	9.8451000E-01
1.3469000E+03	7.6525000E-01	3.0245000E-01	2.3145000E-01	9.8764000E-01
1.3470000E+03	7.6762000E-01	3.0235000E-01	2.3209000E-01	9.9039000E-01
1.3471000E+03	7.6970000E-01	3.0225000E-01	2.3265000E-01	9.9275000E-01
1.3472000E+03	7.7150000E-01	3.0216000E-01	2.3311000E-01	9.9475000E-01
1.3473000E+03	7.7303000E-01	3.0206000E-01	2.3350000E-01	9.9639000E-01
1.3474000E+03	7.7430000E-01	3.0196000E-01	2.3381000E-01	9.9770000E-01
1.3475000E+03	7.7532000E-01	3.0186000E-01	2.3404000E-01	9.9870000E-01
1.3476000E+03	7.7612000E-01	3.0177000E-01	2.3421000E-01	9.9941000E-01
1.3477000E+03	7.7670000E-01	3.0167000E-01	2.3431000E-01	9.9983000E-01
1.3478000E+03	7.7709000E-01	3.0157000E-01	2.3435000E-01	1.0000000E+00
1.3479000E+03	7.7728000E-01	3.0147000E-01	2.3433000E-01	9.9993000E-01
1.3480000E+03	7.7731000E-01	3.0138000E-01	2.3426000E-01	9.9965000E-01
1.3481000E+03	7.7719000E-01	3.0126000E-01	2.3414000E-01	9.9912000E-01
1.3482000E+03	7.7693000E-01	3.0115000E-01	2.3397000E-01	9.9841000E-01
1.3483000E+03	7.7654000E-01	3.0104000E-01	2.3377000E-01	9.9755000E-01
1.3484000E+03	7.7605000E-01	3.0091000E-01	2.3352000E-01	9.9648000E-01
1.3485000E+03	7.7546000E-01	3.0077000E-01	2.3324000E-01	9.9528000E-01

1.3486000E+03	7.7479000E-01	3.0064000E-01	2.3293000E-01	9.9397000E-01
1.3487000E+03	7.7405000E-01	3.0050000E-01	2.3260000E-01	9.9257000E-01
1.3488000E+03	7.7326000E-01	3.0036000E-01	2.3226000E-01	9.9109000E-01
1.3489000E+03	7.7241000E-01	3.0023000E-01	2.3190000E-01	9.8956000E-01
1.3490000E+03	7.7153000E-01	3.0009000E-01	2.3153000E-01	9.8799000E-01
1.3491000E+03	7.7062000E-01	2.9996000E-01	2.3115000E-01	9.8637000E-01
1.3492000E+03	7.6969000E-01	2.9982000E-01	2.3077000E-01	9.8474000E-01
1.3493000E+03	7.6875000E-01	2.9968000E-01	2.3038000E-01	9.8308000E-01
1.3494000E+03	7.6780000E-01	2.9955000E-01	2.2999000E-01	9.8142000E-01
1.3495000E+03	7.6686000E-01	2.9941000E-01	2.2960000E-01	9.7976000E-01
1.3496000E+03	7.6591000E-01	2.9927000E-01	2.2921000E-01	9.7810000E-01
1.3497000E+03	7.6497000E-01	2.9914000E-01	2.2883000E-01	9.7646000E-01
1.3498000E+03	7.6404000E-01	2.9900000E-01	2.2845000E-01	9.7483000E-01
1.3499000E+03	7.6312000E-01	2.9886000E-01	2.2807000E-01	9.7321000E-01
1.3500000E+03	7.6222000E-01	2.9872000E-01	2.2769000E-01	9.7161000E-01
1.3501000E+03	7.6133000E-01	2.9861000E-01	2.2734000E-01	9.7012000E-01
1.3502000E+03	7.6046000E-01	2.9850000E-01	2.2700000E-01	9.6865000E-01
1.3503000E+03	7.5960000E-01	2.9838000E-01	2.2665000E-01	9.6718000E-01
1.3504000E+03	7.5876000E-01	2.9826000E-01	2.2631000E-01	9.6570000E-01
1.3505000E+03	7.5794000E-01	2.9813000E-01	2.2597000E-01	9.6424000E-01
1.3506000E+03	7.5714000E-01	2.9800000E-01	2.2563000E-01	9.6281000E-01
1.3507000E+03	7.5635000E-01	2.9788000E-01	2.2530000E-01	9.6140000E-01
1.3508000E+03	7.5558000E-01	2.9775000E-01	2.2497000E-01	9.6000000E-01
1.3509000E+03	7.5482000E-01	2.9762000E-01	2.2465000E-01	9.5863000E-01
1.3510000E+03	7.5407000E-01	2.9750000E-01	2.2433000E-01	9.5727000E-01
1.3511000E+03	7.5333000E-01	2.9737000E-01	2.2402000E-01	9.5593000E-01
1.3512000E+03	7.5260000E-01	2.9725000E-01	2.2371000E-01	9.5461000E-01
1.3513000E+03	7.5188000E-01	2.9712000E-01	2.2340000E-01	9.5329000E-01
1.3514000E+03	7.5116000E-01	2.9700000E-01	2.2309000E-01	9.5198000E-01
1.3515000E+03	7.5045000E-01	2.9687000E-01	2.2278000E-01	9.5067000E-01
1.3516000E+03	7.4973000E-01	2.9674000E-01	2.2248000E-01	9.4935000E-01
1.3517000E+03	7.4900000E-01	2.9662000E-01	2.2217000E-01	9.4804000E-01
1.3518000E+03	7.4827000E-01	2.9649000E-01	2.2186000E-01	9.4671000E-01
1.3519000E+03	7.4752000E-01	2.9637000E-01	2.2154000E-01	9.4537000E-01
1.3520000E+03	7.4676000E-01	2.9624000E-01	2.2122000E-01	9.4400000E-01
1.3521000E+03	7.4598000E-01	2.9610000E-01	2.2089000E-01	9.4257000E-01
1.3522000E+03	7.4518000E-01	2.9596000E-01	2.2054000E-01	9.4109000E-01
1.3523000E+03	7.4435000E-01	2.9579000E-01	2.2017000E-01	9.3950000E-01
1.3524000E+03	7.4349000E-01	2.9561000E-01	2.1978000E-01	9.3786000E-01
1.3525000E+03	7.4259000E-01	2.9544000E-01	2.1939000E-01	9.3619000E-01
1.3526000E+03	7.4166000E-01	2.9527000E-01	2.1899000E-01	9.3447000E-01
1.3527000E+03	7.4069000E-01	2.9510000E-01	2.1858000E-01	9.3271000E-01
1.3528000E+03	7.3969000E-01	2.9492000E-01	2.1815000E-01	9.3089000E-01

1.3529000E+03	7.3864000E-01	2.9475000E-01	2.1772000E-01	9.2903000E-01
1.3530000E+03	7.3755000E-01	2.9458000E-01	2.1727000E-01	9.2712000E-01
1.3531000E+03	7.3643000E-01	2.9441000E-01	2.1681000E-01	9.2517000E-01
1.3532000E+03	7.3527000E-01	2.9424000E-01	2.1634000E-01	9.2317000E-01
1.3533000E+03	7.3407000E-01	2.9406000E-01	2.1586000E-01	9.2113000E-01
1.3534000E+03	7.3284000E-01	2.9389000E-01	2.1538000E-01	9.1906000E-01
1.3535000E+03	7.3159000E-01	2.9372000E-01	2.1488000E-01	9.1695000E-01
1.3536000E+03	7.3032000E-01	2.9355000E-01	2.1439000E-01	9.1483000E-01
1.3537000E+03	7.2903000E-01	2.9338000E-01	2.1388000E-01	9.1268000E-01
1.3538000E+03	7.2773000E-01	2.9321000E-01	2.1338000E-01	9.1052000E-01
1.3539000E+03	7.2644000E-01	2.9304000E-01	2.1287000E-01	9.0837000E-01
1.3540000E+03	7.2515000E-01	2.9286000E-01	2.1237000E-01	9.0622000E-01
1.3541000E+03	7.2387000E-01	2.9273000E-01	2.1190000E-01	9.0420000E-01
1.3542000E+03	7.2262000E-01	2.9256000E-01	2.1141000E-01	9.0213000E-01
1.3543000E+03	7.2139000E-01	2.9240000E-01	2.1093000E-01	9.0008000E-01
1.3544000E+03	7.2019000E-01	2.9223000E-01	2.1046000E-01	8.9808000E-01
1.3545000E+03	7.1904000E-01	2.9206000E-01	2.1000000E-01	8.9613000E-01
1.3546000E+03	7.1792000E-01	2.9190000E-01	2.0956000E-01	8.9423000E-01
1.3547000E+03	7.1686000E-01	2.9173000E-01	2.0913000E-01	8.9240000E-01
1.3548000E+03	7.1584000E-01	2.9156000E-01	2.0871000E-01	8.9063000E-01
1.3549000E+03	7.1488000E-01	2.9140000E-01	2.0832000E-01	8.8892000E-01
1.3550000E+03	7.1397000E-01	2.9123000E-01	2.0793000E-01	8.8728000E-01
1.3551000E+03	7.1311000E-01	2.9106000E-01	2.0756000E-01	8.8570000E-01
1.3552000E+03	7.1230000E-01	2.9090000E-01	2.0721000E-01	8.8419000E-01
1.3553000E+03	7.1153000E-01	2.9073000E-01	2.0686000E-01	8.8272000E-01
1.3554000E+03	7.1080000E-01	2.9056000E-01	2.0653000E-01	8.8130000E-01
1.3555000E+03	7.1010000E-01	2.9039000E-01	2.0621000E-01	8.7993000E-01
1.3556000E+03	7.0942000E-01	2.9023000E-01	2.0589000E-01	8.7859000E-01
1.3557000E+03	7.0877000E-01	2.9006000E-01	2.0558000E-01	8.7727000E-01
1.3558000E+03	7.0812000E-01	2.8989000E-01	2.0528000E-01	8.7596000E-01
1.3559000E+03	7.0748000E-01	2.8972000E-01	2.0497000E-01	8.7466000E-01
1.3560000E+03	7.0683000E-01	2.8956000E-01	2.0467000E-01	8.7335000E-01
1.3561000E+03	7.0616000E-01	2.8934000E-01	2.0432000E-01	8.7188000E-01
1.3562000E+03	7.0547000E-01	2.8912000E-01	2.0397000E-01	8.7038000E-01
1.3563000E+03	7.0476000E-01	2.8891000E-01	2.0361000E-01	8.6884000E-01
1.3564000E+03	7.0401000E-01	2.8869000E-01	2.0324000E-01	8.6726000E-01
1.3565000E+03	7.0323000E-01	2.8847000E-01	2.0286000E-01	8.6564000E-01
1.3566000E+03	7.0240000E-01	2.8825000E-01	2.0247000E-01	8.6398000E-01
1.3567000E+03	7.0154000E-01	2.8804000E-01	2.0207000E-01	8.6226000E-01
1.3568000E+03	7.0063000E-01	2.8782000E-01	2.0165000E-01	8.6050000E-01
1.3569000E+03	6.9969000E-01	2.8760000E-01	2.0123000E-01	8.5869000E-01
1.3570000E+03	6.9871000E-01	2.8738000E-01	2.0080000E-01	8.5685000E-01
1.3571000E+03	6.9771000E-01	2.8717000E-01	2.0036000E-01	8.5497000E-01

1.3572000E+03	6.9668000E-01	2.8695000E-01	1.9991000E-01	8.5306000E-01
1.3573000E+03	6.9564000E-01	2.8673000E-01	1.9946000E-01	8.5114000E-01
1.3574000E+03	6.9459000E-01	2.8652000E-01	1.9901000E-01	8.4921000E-01
1.3575000E+03	6.9354000E-01	2.8630000E-01	1.9856000E-01	8.4729000E-01
1.3576000E+03	6.9250000E-01	2.8608000E-01	1.9811000E-01	8.4538000E-01
1.3577000E+03	6.9149000E-01	2.8587000E-01	1.9767000E-01	8.4350000E-01
1.3578000E+03	6.9050000E-01	2.8565000E-01	1.9724000E-01	8.4166000E-01
1.3579000E+03	6.8955000E-01	2.8543000E-01	1.9682000E-01	8.3987000E-01
1.3580000E+03	6.8865000E-01	2.8522000E-01	1.9641000E-01	8.3814000E-01
1.3581000E+03	6.8779000E-01	2.8503000E-01	1.9604000E-01	8.3655000E-01
1.3582000E+03	6.8699000E-01	2.8484000E-01	1.9569000E-01	8.3503000E-01
1.3583000E+03	6.8625000E-01	2.8466000E-01	1.9534000E-01	8.3357000E-01
1.3584000E+03	6.8556000E-01	2.8447000E-01	1.9502000E-01	8.3220000E-01
1.3585000E+03	6.8494000E-01	2.8428000E-01	1.9472000E-01	8.3089000E-01
1.3586000E+03	6.8436000E-01	2.8410000E-01	1.9442000E-01	8.2965000E-01
1.3587000E+03	6.8384000E-01	2.8391000E-01	1.9415000E-01	8.2846000E-01
1.3588000E+03	6.8335000E-01	2.8372000E-01	1.9388000E-01	8.2733000E-01
1.3589000E+03	6.8290000E-01	2.8354000E-01	1.9363000E-01	8.2625000E-01
1.3590000E+03	6.8247000E-01	2.8335000E-01	1.9338000E-01	8.2519000E-01
1.3591000E+03	6.8206000E-01	2.8317000E-01	1.9314000E-01	8.2415000E-01
1.3592000E+03	6.8164000E-01	2.8298000E-01	1.9289000E-01	8.2311000E-01
1.3593000E+03	6.8121000E-01	2.8280000E-01	1.9264000E-01	8.2205000E-01
1.3594000E+03	6.8076000E-01	2.8261000E-01	1.9239000E-01	8.2097000E-01
1.3595000E+03	6.8027000E-01	2.8243000E-01	1.9213000E-01	8.1984000E-01
1.3596000E+03	6.7973000E-01	2.8224000E-01	1.9185000E-01	8.1865000E-01
1.3597000E+03	6.7913000E-01	2.8206000E-01	1.9155000E-01	8.1740000E-01
1.3598000E+03	6.7846000E-01	2.8187000E-01	1.9124000E-01	8.1606000E-01
1.3599000E+03	6.7771000E-01	2.8169000E-01	1.9090000E-01	8.1463000E-01
1.3600000E+03	6.7688000E-01	2.8154000E-01	1.9057000E-01	8.1320000E-01
1.3601000E+03	6.7597000E-01	2.8137000E-01	1.9020000E-01	8.1162000E-01
1.3602000E+03	6.7497000E-01	2.8120000E-01	1.8980000E-01	8.0993000E-01
1.3603000E+03	6.7389000E-01	2.8103000E-01	1.8939000E-01	8.0814000E-01
1.3604000E+03	6.7273000E-01	2.8086000E-01	1.8895000E-01	8.0627000E-01
1.3605000E+03	6.7150000E-01	2.8069000E-01	1.8849000E-01	8.0431000E-01
1.3606000E+03	6.7021000E-01	2.8052000E-01	1.8801000E-01	8.0227000E-01
1.3607000E+03	6.6886000E-01	2.8035000E-01	1.8752000E-01	8.0018000E-01
1.3608000E+03	6.6748000E-01	2.8018000E-01	1.8702000E-01	7.9804000E-01
1.3609000E+03	6.6607000E-01	2.8002000E-01	1.8651000E-01	7.9587000E-01
1.3610000E+03	6.6465000E-01	2.7985000E-01	1.8600000E-01	7.9370000E-01
1.3611000E+03	6.6324000E-01	2.7968000E-01	1.8549000E-01	7.9154000E-01
1.3612000E+03	6.6185000E-01	2.7951000E-01	1.8500000E-01	7.8942000E-01
1.3613000E+03	6.6051000E-01	2.7935000E-01	1.8451000E-01	7.8734000E-01
1.3614000E+03	6.5922000E-01	2.7918000E-01	1.8404000E-01	7.8534000E-01

1.3615000E+03	6.5800000E-01	2.7901000E-01	1.8359000E-01	7.8341000E-01
1.3616000E+03	6.5687000E-01	2.7884000E-01	1.8316000E-01	7.8159000E-01
1.3617000E+03	6.5583000E-01	2.7868000E-01	1.8276000E-01	7.7989000E-01
1.3618000E+03	6.5489000E-01	2.7851000E-01	1.8239000E-01	7.7831000E-01
1.3619000E+03	6.5406000E-01	2.7837000E-01	1.8207000E-01	7.7694000E-01
1.3620000E+03	6.5336000E-01	2.7824000E-01	1.8179000E-01	7.7574000E-01
1.3621000E+03	6.5276000E-01	2.7818000E-01	1.8159000E-01	7.7487000E-01
1.3622000E+03	6.5229000E-01	2.7812000E-01	1.8141000E-01	7.7413000E-01
1.3623000E+03	6.5193000E-01	2.7806000E-01	1.8127000E-01	7.7353000E-01
1.3624000E+03	6.5167000E-01	2.7799000E-01	1.8116000E-01	7.7305000E-01
1.3625000E+03	6.5152000E-01	2.7793000E-01	1.8108000E-01	7.7269000E-01
1.3626000E+03	6.5145000E-01	2.7787000E-01	1.8102000E-01	7.7244000E-01
1.3627000E+03	6.5146000E-01	2.7781000E-01	1.8098000E-01	7.7228000E-01
1.3628000E+03	6.5154000E-01	2.7775000E-01	1.8096000E-01	7.7220000E-01
1.3629000E+03	6.5167000E-01	2.7768000E-01	1.8096000E-01	7.7218000E-01
1.3630000E+03	6.5184000E-01	2.7762000E-01	1.8096000E-01	7.7221000E-01
1.3631000E+03	6.5203000E-01	2.7756000E-01	1.8098000E-01	7.7227000E-01
1.3632000E+03	6.5223000E-01	2.7750000E-01	1.8099000E-01	7.7234000E-01
1.3633000E+03	6.5243000E-01	2.7744000E-01	1.8101000E-01	7.7240000E-01
1.3634000E+03	6.5262000E-01	2.7738000E-01	1.8102000E-01	7.7245000E-01
1.3635000E+03	6.5277000E-01	2.7732000E-01	1.8103000E-01	7.7247000E-01
1.3636000E+03	6.5290000E-01	2.7726000E-01	1.8102000E-01	7.7245000E-01
1.3637000E+03	6.5299000E-01	2.7720000E-01	1.8100000E-01	7.7238000E-01
1.3638000E+03	6.5302000E-01	2.7715000E-01	1.8098000E-01	7.7229000E-01
1.3639000E+03	6.5301000E-01	2.7711000E-01	1.8096000E-01	7.7218000E-01
1.3640000E+03	6.5295000E-01	2.7708000E-01	1.8092000E-01	7.7201000E-01
1.3641000E+03	6.5284000E-01	2.7702000E-01	1.8085000E-01	7.7173000E-01
1.3642000E+03	6.5268000E-01	2.7697000E-01	1.8077000E-01	7.7139000E-01
1.3643000E+03	6.5248000E-01	2.7692000E-01	1.8068000E-01	7.7100000E-01
1.3644000E+03	6.5223000E-01	2.7686000E-01	1.8058000E-01	7.7057000E-01
1.3645000E+03	6.5196000E-01	2.7681000E-01	1.8047000E-01	7.7009000E-01
1.3646000E+03	6.5165000E-01	2.7675000E-01	1.8035000E-01	7.6958000E-01
1.3647000E+03	6.5133000E-01	2.7670000E-01	1.8022000E-01	7.6905000E-01
1.3648000E+03	6.5099000E-01	2.7665000E-01	1.8009000E-01	7.6850000E-01
1.3649000E+03	6.5065000E-01	2.7659000E-01	1.7996000E-01	7.6794000E-01
1.3650000E+03	6.5030000E-01	2.7654000E-01	1.7983000E-01	7.6739000E-01
1.3651000E+03	6.4997000E-01	2.7648000E-01	1.7970000E-01	7.6684000E-01
1.3652000E+03	6.4964000E-01	2.7643000E-01	1.7958000E-01	7.6630000E-01
1.3653000E+03	6.4932000E-01	2.7637000E-01	1.7946000E-01	7.6577000E-01
1.3654000E+03	6.4903000E-01	2.7632000E-01	1.7934000E-01	7.6527000E-01
1.3655000E+03	6.4874000E-01	2.7626000E-01	1.7922000E-01	7.6478000E-01
1.3656000E+03	6.4848000E-01	2.7621000E-01	1.7911000E-01	7.6431000E-01
1.3657000E+03	6.4823000E-01	2.7615000E-01	1.7901000E-01	7.6386000E-01

1.3658000E+03	6.4799000E-01	2.7608000E-01	1.7890000E-01	7.6340000E-01
1.3659000E+03	6.4776000E-01	2.7602000E-01	1.7879000E-01	7.6294000E-01
1.3660000E+03	6.4753000E-01	2.7595000E-01	1.7869000E-01	7.6249000E-01
1.3661000E+03	6.4731000E-01	2.7591000E-01	1.7860000E-01	7.6211000E-01
1.3662000E+03	6.4709000E-01	2.7587000E-01	1.7851000E-01	7.6173000E-01
1.3663000E+03	6.4685000E-01	2.7582000E-01	1.7842000E-01	7.6134000E-01
1.3664000E+03	6.4661000E-01	2.7578000E-01	1.7832000E-01	7.6094000E-01
1.3665000E+03	6.4635000E-01	2.7574000E-01	1.7822000E-01	7.6052000E-01
1.3666000E+03	6.4607000E-01	2.7570000E-01	1.7812000E-01	7.6008000E-01
1.3667000E+03	6.4578000E-01	2.7566000E-01	1.7801000E-01	7.5962000E-01
1.3668000E+03	6.4547000E-01	2.7562000E-01	1.7790000E-01	7.5914000E-01
1.3669000E+03	6.4514000E-01	2.7557000E-01	1.7778000E-01	7.5864000E-01
1.3670000E+03	6.4480000E-01	2.7553000E-01	1.7766000E-01	7.5812000E-01
1.3671000E+03	6.4445000E-01	2.7549000E-01	1.7754000E-01	7.5760000E-01
1.3672000E+03	6.4410000E-01	2.7545000E-01	1.7742000E-01	7.5707000E-01
1.3673000E+03	6.4375000E-01	2.7541000E-01	1.7729000E-01	7.5655000E-01
1.3674000E+03	6.4342000E-01	2.7537000E-01	1.7718000E-01	7.5605000E-01
1.3675000E+03	6.4311000E-01	2.7533000E-01	1.7706000E-01	7.5557000E-01
1.3676000E+03	6.4283000E-01	2.7528000E-01	1.7696000E-01	7.5512000E-01
1.3677000E+03	6.4259000E-01	2.7523000E-01	1.7686000E-01	7.5470000E-01
1.3678000E+03	6.4240000E-01	2.7518000E-01	1.7677000E-01	7.5433000E-01
1.3679000E+03	6.4228000E-01	2.7512000E-01	1.7670000E-01	7.5403000E-01
1.3680000E+03	6.4223000E-01	2.7506000E-01	1.7666000E-01	7.5383000E-01
1.3681000E+03	6.4227000E-01	2.7502000E-01	1.7664000E-01	7.5374000E-01
1.3682000E+03	6.4240000E-01	2.7498000E-01	1.7664000E-01	7.5377000E-01
1.3683000E+03	6.4262000E-01	2.7493000E-01	1.7668000E-01	7.5392000E-01
1.3684000E+03	6.4295000E-01	2.7489000E-01	1.7674000E-01	7.5418000E-01
1.3685000E+03	6.4339000E-01	2.7484000E-01	1.7683000E-01	7.5458000E-01
1.3686000E+03	6.4395000E-01	2.7480000E-01	1.7696000E-01	7.5511000E-01
1.3687000E+03	6.4461000E-01	2.7476000E-01	1.7711000E-01	7.5577000E-01
1.3688000E+03	6.4539000E-01	2.7471000E-01	1.7730000E-01	7.5656000E-01
1.3689000E+03	6.4628000E-01	2.7467000E-01	1.7751000E-01	7.5749000E-01
1.3690000E+03	6.4728000E-01	2.7463000E-01	1.7776000E-01	7.5854000E-01
1.3691000E+03	6.4838000E-01	2.7458000E-01	1.7803000E-01	7.5971000E-01
1.3692000E+03	6.4959000E-01	2.7454000E-01	1.7834000E-01	7.6099000E-01
1.3693000E+03	6.5088000E-01	2.7449000E-01	1.7866000E-01	7.6239000E-01
1.3694000E+03	6.5225000E-01	2.7445000E-01	1.7901000E-01	7.6388000E-01
1.3695000E+03	6.5370000E-01	2.7441000E-01	1.7938000E-01	7.6546000E-01
1.3696000E+03	6.5522000E-01	2.7436000E-01	1.7977000E-01	7.6710000E-01
1.3697000E+03	6.5681000E-01	2.7430000E-01	1.8016000E-01	7.6878000E-01
1.3698000E+03	6.5844000E-01	2.7424000E-01	1.8057000E-01	7.7054000E-01
1.3699000E+03	6.6013000E-01	2.7418000E-01	1.8100000E-01	7.7234000E-01
1.3700000E+03	6.6185000E-01	2.7412000E-01	1.8143000E-01	7.7420000E-01

1.3701000E+03	6.6362000E-01	2.7409000E-01	1.8189000E-01	7.7617000E-01
1.3702000E+03	6.6541000E-01	2.7406000E-01	1.8237000E-01	7.7819000E-01
1.3703000E+03	6.6724000E-01	2.7403000E-01	1.8285000E-01	7.8024000E-01
1.3704000E+03	6.6910000E-01	2.7400000E-01	1.8333000E-01	7.8232000E-01
1.3705000E+03	6.7098000E-01	2.7397000E-01	1.8383000E-01	7.8443000E-01
1.3706000E+03	6.7290000E-01	2.7394000E-01	1.8433000E-01	7.8658000E-01
1.3707000E+03	6.7484000E-01	2.7391000E-01	1.8484000E-01	7.8876000E-01
1.3708000E+03	6.7681000E-01	2.7388000E-01	1.8536000E-01	7.9097000E-01
1.3709000E+03	6.7881000E-01	2.7385000E-01	1.8589000E-01	7.9322000E-01
1.3710000E+03	6.8084000E-01	2.7382000E-01	1.8643000E-01	7.9551000E-01
1.3711000E+03	6.8291000E-01	2.7378000E-01	1.8697000E-01	7.9784000E-01
1.3712000E+03	6.8502000E-01	2.7375000E-01	1.8753000E-01	8.0021000E-01
1.3713000E+03	6.8717000E-01	2.7372000E-01	1.8809000E-01	8.0263000E-01
1.3714000E+03	6.8935000E-01	2.7369000E-01	1.8867000E-01	8.0508000E-01
1.3715000E+03	6.9157000E-01	2.7366000E-01	1.8925000E-01	8.0758000E-01
1.3716000E+03	6.9384000E-01	2.7362000E-01	1.8985000E-01	8.1011000E-01
1.3717000E+03	6.9613000E-01	2.7358000E-01	1.9045000E-01	8.1269000E-01
1.3718000E+03	6.9846000E-01	2.7354000E-01	1.9106000E-01	8.1529000E-01
1.3719000E+03	7.0082000E-01	2.7351000E-01	1.9168000E-01	8.1794000E-01
1.3720000E+03	7.0321000E-01	2.7347000E-01	1.9231000E-01	8.2061000E-01
1.3721000E+03	7.0562000E-01	2.7344000E-01	1.9295000E-01	8.2334000E-01
1.3722000E+03	7.0804000E-01	2.7341000E-01	1.9359000E-01	8.2608000E-01
1.3723000E+03	7.1047000E-01	2.7338000E-01	1.9423000E-01	8.2883000E-01
1.3724000E+03	7.1291000E-01	2.7336000E-01	1.9488000E-01	8.3158000E-01
1.3725000E+03	7.1534000E-01	2.7333000E-01	1.9552000E-01	8.3433000E-01
1.3726000E+03	7.1776000E-01	2.7330000E-01	1.9616000E-01	8.3707000E-01
1.3727000E+03	7.2017000E-01	2.7327000E-01	1.9680000E-01	8.3979000E-01
1.3728000E+03	7.2256000E-01	2.7324000E-01	1.9744000E-01	8.4249000E-01
1.3729000E+03	7.2493000E-01	2.7321000E-01	1.9806000E-01	8.4517000E-01
1.3730000E+03	7.2728000E-01	2.7319000E-01	1.9868000E-01	8.4781000E-01
1.3731000E+03	7.2959000E-01	2.7316000E-01	1.9929000E-01	8.5043000E-01
1.3732000E+03	7.3188000E-01	2.7313000E-01	1.9990000E-01	8.5301000E-01
1.3733000E+03	7.3414000E-01	2.7310000E-01	2.0050000E-01	8.5555000E-01
1.3734000E+03	7.3638000E-01	2.7307000E-01	2.0109000E-01	8.5807000E-01
1.3735000E+03	7.3859000E-01	2.7306000E-01	2.0168000E-01	8.6060000E-01
1.3736000E+03	7.4078000E-01	2.7305000E-01	2.0227000E-01	8.6312000E-01
1.3737000E+03	7.4296000E-01	2.7303000E-01	2.0285000E-01	8.6561000E-01
1.3738000E+03	7.4512000E-01	2.7302000E-01	2.0343000E-01	8.6809000E-01
1.3739000E+03	7.4727000E-01	2.7301000E-01	2.0401000E-01	8.7056000E-01
1.3740000E+03	7.4943000E-01	2.7300000E-01	2.0459000E-01	8.7303000E-01
1.3741000E+03	7.5158000E-01	2.7300000E-01	2.0518000E-01	8.7555000E-01
1.3742000E+03	7.5374000E-01	2.7300000E-01	2.0577000E-01	8.7808000E-01
1.3743000E+03	7.5591000E-01	2.7301000E-01	2.0637000E-01	8.8061000E-01

1.3744000E+03	7.5809000E-01	2.7301000E-01	2.0696000E-01	8.8316000E-01
1.3745000E+03	7.6027000E-01	2.7301000E-01	2.0756000E-01	8.8571000E-01
1.3746000E+03	7.6246000E-01	2.7302000E-01	2.0816000E-01	8.8827000E-01
1.3747000E+03	7.6464000E-01	2.7302000E-01	2.0876000E-01	8.9083000E-01
1.3748000E+03	7.6683000E-01	2.7302000E-01	2.0936000E-01	8.9339000E-01
1.3749000E+03	7.6900000E-01	2.7303000E-01	2.0996000E-01	8.9593000E-01
1.3750000E+03	7.7114000E-01	2.7303000E-01	2.1055000E-01	8.9844000E-01
1.3751000E+03	7.7325000E-01	2.7304000E-01	2.1113000E-01	9.0092000E-01
1.3752000E+03	7.7531000E-01	2.7305000E-01	2.1170000E-01	9.0335000E-01
1.3753000E+03	7.7730000E-01	2.7305000E-01	2.1224000E-01	9.0569000E-01
1.3754000E+03	7.7921000E-01	2.7307000E-01	2.1278000E-01	9.0797000E-01
1.3755000E+03	7.8102000E-01	2.7309000E-01	2.1329000E-01	9.1015000E-01
1.3756000E+03	7.8270000E-01	2.7312000E-01	2.1377000E-01	9.1219000E-01
1.3757000E+03	7.8425000E-01	2.7314000E-01	2.1421000E-01	9.1407000E-01
1.3758000E+03	7.8563000E-01	2.7316000E-01	2.1460000E-01	9.1576000E-01
1.3759000E+03	7.8684000E-01	2.7318000E-01	2.1495000E-01	9.1724000E-01
1.3760000E+03	7.8785000E-01	2.7321000E-01	2.1524000E-01	9.1849000E-01
1.3761000E+03	7.8864000E-01	2.7325000E-01	2.1550000E-01	9.1957000E-01
1.3762000E+03	7.8920000E-01	2.7330000E-01	2.1569000E-01	9.2039000E-01
1.3763000E+03	7.8952000E-01	2.7335000E-01	2.1581000E-01	9.2091000E-01
1.3764000E+03	7.8958000E-01	2.7339000E-01	2.1587000E-01	9.2114000E-01
1.3765000E+03	7.8937000E-01	2.7344000E-01	2.1585000E-01	9.2106000E-01
1.3766000E+03	7.8888000E-01	2.7349000E-01	2.1575000E-01	9.2064000E-01
1.3767000E+03	7.8811000E-01	2.7353000E-01	2.1558000E-01	9.1990000E-01
1.3768000E+03	7.8705000E-01	2.7358000E-01	2.1532000E-01	9.1882000E-01
1.3769000E+03	7.8570000E-01	2.7363000E-01	2.1499000E-01	9.1740000E-01
1.3770000E+03	7.8405000E-01	2.7368000E-01	2.1458000E-01	9.1564000E-01
1.3771000E+03	7.8211000E-01	2.7372000E-01	2.1408000E-01	9.1354000E-01
1.3772000E+03	7.7989000E-01	2.7377000E-01	2.1351000E-01	9.1109000E-01
1.3773000E+03	7.7737000E-01	2.7382000E-01	2.1286000E-01	9.0832000E-01
1.3774000E+03	7.7458000E-01	2.7387000E-01	2.1214000E-01	9.0522000E-01
1.3775000E+03	7.7150000E-01	2.7392000E-01	2.1133000E-01	9.0180000E-01
1.3776000E+03	7.6816000E-01	2.7397000E-01	2.1046000E-01	8.9806000E-01
1.3777000E+03	7.6455000E-01	2.7403000E-01	2.0950000E-01	8.9400000E-01
1.3778000E+03	7.6067000E-01	2.7408000E-01	2.0848000E-01	8.8963000E-01
1.3779000E+03	7.5653000E-01	2.7413000E-01	2.0739000E-01	8.8496000E-01
1.3780000E+03	7.5214000E-01	2.7418000E-01	2.0622000E-01	8.7998000E-01
1.3781000E+03	7.4749000E-01	2.7423000E-01	2.0499000E-01	8.7473000E-01
1.3782000E+03	7.4259000E-01	2.7429000E-01	2.0369000E-01	8.6917000E-01
1.3783000E+03	7.3744000E-01	2.7435000E-01	2.0232000E-01	8.6332000E-01
1.3784000E+03	7.3205000E-01	2.7440000E-01	2.0088000E-01	8.5718000E-01
1.3785000E+03	7.2640000E-01	2.7446000E-01	1.9937000E-01	8.5074000E-01
1.3786000E+03	7.2049000E-01	2.7452000E-01	1.9779000E-01	8.4399000E-01

1.3787000E+03	7.1433000E-01	2.7457000E-01	1.9614000E-01	8.3695000E-01
1.3788000E+03	7.0792000E-01	2.7463000E-01	1.9441000E-01	8.2960000E-01
1.3789000E+03	7.0124000E-01	2.7468000E-01	1.9262000E-01	8.2194000E-01
1.3790000E+03	6.9430000E-01	2.7474000E-01	1.9075000E-01	8.1398000E-01
1.3791000E+03	6.8710000E-01	2.7480000E-01	1.8881000E-01	8.0570000E-01
1.3792000E+03	6.7964000E-01	2.7485000E-01	1.8680000E-01	7.9709000E-01
1.3793000E+03	6.7191000E-01	2.7486000E-01	1.8468000E-01	7.8806000E-01
1.3794000E+03	6.6391000E-01	2.7487000E-01	1.8249000E-01	7.7871000E-01
1.3795000E+03	6.5566000E-01	2.7488000E-01	1.8023000E-01	7.6906000E-01
1.3796000E+03	6.4715000E-01	2.7489000E-01	1.7789000E-01	7.5911000E-01
1.3797000E+03	6.3839000E-01	2.7490000E-01	1.7549000E-01	7.4886000E-01
1.3798000E+03	6.2938000E-01	2.7491000E-01	1.7302000E-01	7.3832000E-01
1.3799000E+03	6.2014000E-01	2.7492000E-01	1.7049000E-01	7.2750000E-01
1.3800000E+03	6.1067000E-01	2.7493000E-01	1.6789000E-01	7.1642000E-01
1.3801000E+03	6.0099000E-01	2.7497000E-01	1.6525000E-01	7.0516000E-01
1.3802000E+03	5.9111000E-01	2.7501000E-01	1.6256000E-01	6.9367000E-01
1.3803000E+03	5.8104000E-01	2.7505000E-01	1.5981000E-01	6.8195000E-01
1.3804000E+03	5.7080000E-01	2.7509000E-01	1.5702000E-01	6.7003000E-01
1.3805000E+03	5.6041000E-01	2.7512000E-01	1.5418000E-01	6.5792000E-01
1.3806000E+03	5.4987000E-01	2.7516000E-01	1.5130000E-01	6.4565000E-01
1.3807000E+03	5.3922000E-01	2.7520000E-01	1.4839000E-01	6.3323000E-01
1.3808000E+03	5.2846000E-01	2.7524000E-01	1.4545000E-01	6.2068000E-01
1.3809000E+03	5.1762000E-01	2.7528000E-01	1.4249000E-01	6.0803000E-01
1.3810000E+03	5.0670000E-01	2.7532000E-01	1.3950000E-01	5.9529000E-01
1.3811000E+03	4.9573000E-01	2.7536000E-01	1.3650000E-01	5.8248000E-01
1.3812000E+03	4.8472000E-01	2.7537000E-01	1.3347000E-01	5.6956000E-01
1.3813000E+03	4.7368000E-01	2.7537000E-01	1.3044000E-01	5.5660000E-01
1.3814000E+03	4.6263000E-01	2.7537000E-01	1.2739000E-01	5.4362000E-01
1.3815000E+03	4.5158000E-01	2.7537000E-01	1.2435000E-01	5.3064000E-01
1.3816000E+03	4.4055000E-01	2.7537000E-01	1.2132000E-01	5.1768000E-01
1.3817000E+03	4.2954000E-01	2.7538000E-01	1.1828000E-01	5.0474000E-01
1.3818000E+03	4.1856000E-01	2.7538000E-01	1.1526000E-01	4.9185000E-01
1.3819000E+03	4.0764000E-01	2.7538000E-01	1.1225000E-01	4.7901000E-01
1.3820000E+03	3.9676000E-01	2.7538000E-01	1.0926000E-01	4.6624000E-01
1.3821000E+03	3.8596000E-01	2.7536000E-01	1.0628000E-01	4.5350000E-01
1.3822000E+03	3.7522000E-01	2.7534000E-01	1.0331000E-01	4.4086000E-01
1.3823000E+03	3.6457000E-01	2.7532000E-01	1.0037000E-01	4.2831000E-01
1.3824000E+03	3.5402000E-01	2.7530000E-01	9.7461000E-02	4.1588000E-01
1.3825000E+03	3.4357000E-01	2.7528000E-01	9.4576000E-02	4.0358000E-01
1.3826000E+03	3.3323000E-01	2.7525000E-01	9.1724000E-02	3.9140000E-01
1.3827000E+03	3.2302000E-01	2.7523000E-01	8.8906000E-02	3.7938000E-01
1.3828000E+03	3.1295000E-01	2.7521000E-01	8.6126000E-02	3.6752000E-01
1.3829000E+03	3.0302000E-01	2.7519000E-01	8.3387000E-02	3.5583000E-01

1.3830000E+03	2.9325000E-01	2.7517000E-01	8.0692000E-02	3.4433000E-01
1.3831000E+03	2.8365000E-01	2.7514000E-01	7.8043000E-02	3.3303000E-01
1.3832000E+03	2.7423000E-01	2.7511000E-01	7.5443000E-02	3.2193000E-01
1.3833000E+03	2.6500000E-01	2.7508000E-01	7.2897000E-02	3.1106000E-01
1.3834000E+03	2.5598000E-01	2.7505000E-01	7.0407000E-02	3.0044000E-01
1.3835000E+03	2.4718000E-01	2.7501000E-01	6.7977000E-02	2.9007000E-01
1.3836000E+03	2.3859000E-01	2.7498000E-01	6.5608000E-02	2.7996000E-01
1.3837000E+03	2.3024000E-01	2.7495000E-01	6.3304000E-02	2.7013000E-01
1.3838000E+03	2.2213000E-01	2.7492000E-01	6.1066000E-02	2.6058000E-01
1.3839000E+03	2.1426000E-01	2.7488000E-01	5.8896000E-02	2.5132000E-01
1.3840000E+03	2.0663000E-01	2.7485000E-01	5.6793000E-02	2.4235000E-01
1.3841000E+03	1.9926000E-01	2.7478000E-01	5.4752000E-02	2.3364000E-01
1.3842000E+03	1.9213000E-01	2.7472000E-01	5.2781000E-02	2.2523000E-01
1.3843000E+03	1.8525000E-01	2.7465000E-01	5.0878000E-02	2.1711000E-01
1.3844000E+03	1.7861000E-01	2.7458000E-01	4.9043000E-02	2.0928000E-01
1.3845000E+03	1.7221000E-01	2.7452000E-01	4.7273000E-02	2.0172000E-01
1.3846000E+03	1.6603000E-01	2.7445000E-01	4.5567000E-02	1.9444000E-01
1.3847000E+03	1.6007000E-01	2.7438000E-01	4.3921000E-02	1.8742000E-01
1.3848000E+03	1.5433000E-01	2.7431000E-01	4.2334000E-02	1.8065000E-01
1.3849000E+03	1.4878000E-01	2.7425000E-01	4.0802000E-02	1.7411000E-01
1.3850000E+03	1.4342000E-01	2.7418000E-01	3.9321000E-02	1.6779000E-01
1.3851000E+03	1.3823000E-01	2.7411000E-01	3.7889000E-02	1.6168000E-01
1.3852000E+03	1.3320000E-01	2.7404000E-01	3.6501000E-02	1.5576000E-01
1.3853000E+03	1.2832000E-01	2.7397000E-01	3.5155000E-02	1.5001000E-01
1.3854000E+03	1.2358000E-01	2.7390000E-01	3.3847000E-02	1.4443000E-01
1.3855000E+03	1.1896000E-01	2.7383000E-01	3.2575000E-02	1.3901000E-01
1.3856000E+03	1.1447000E-01	2.7376000E-01	3.1337000E-02	1.3372000E-01
1.3857000E+03	1.1009000E-01	2.7369000E-01	3.0129000E-02	1.2857000E-01
1.3858000E+03	1.0581000E-01	2.7362000E-01	2.8951000E-02	1.2354000E-01
1.3859000E+03	1.0163000E-01	2.7355000E-01	2.7802000E-02	1.1864000E-01
1.3860000E+03	9.7556000E-02	2.7348000E-01	2.6680000E-02	1.1385000E-01
1.3861000E+03	9.3578000E-02	2.7341000E-01	2.5586000E-02	1.0918000E-01
1.3862000E+03	8.9700000E-02	2.7335000E-01	2.4519000E-02	1.0463000E-01
1.3863000E+03	8.5923000E-02	2.7328000E-01	2.3481000E-02	1.0020000E-01
1.3864000E+03	8.2253000E-02	2.7321000E-01	2.2473000E-02	9.5895000E-02
1.3865000E+03	7.8694000E-02	2.7315000E-01	2.1495000E-02	9.1723000E-02
1.3866000E+03	7.5251000E-02	2.7308000E-01	2.0550000E-02	8.7689000E-02
1.3867000E+03	7.1931000E-02	2.7301000E-01	1.9638000E-02	8.3800000E-02
1.3868000E+03	6.8740000E-02	2.7295000E-01	1.8763000E-02	8.0064000E-02
1.3869000E+03	6.5685000E-02	2.7288000E-01	1.7924000E-02	7.6486000E-02
1.3870000E+03	6.2770000E-02	2.7281000E-01	1.7125000E-02	7.3074000E-02
1.3871000E+03	6.0001000E-02	2.7274000E-01	1.6365000E-02	6.9831000E-02
1.3872000E+03	5.7380000E-02	2.7267000E-01	1.5646000E-02	6.6763000E-02

1.3873000E+03	5.4910000E-02	2.7259000E-01	1.4968000E-02	6.3872000E-02
1.3874000E+03	5.2590000E-02	2.7252000E-01	1.4332000E-02	6.1158000E-02
1.3875000E+03	5.0420000E-02	2.7245000E-01	1.3737000E-02	5.8618000E-02
1.3876000E+03	4.9088000E-02	2.7238000E-01	1.3370000E-02	5.7054000E-02
1.3877000E+03	4.7170000E-02	2.7231000E-01	1.2845000E-02	5.4811000E-02
1.3878000E+03	4.5379000E-02	2.7223000E-01	1.2354000E-02	5.2715000E-02
1.3879000E+03	4.3705000E-02	2.7216000E-01	1.1895000E-02	5.0758000E-02
1.3880000E+03	4.2141000E-02	2.7209000E-01	1.1466000E-02	4.8928000E-02
1.3881000E+03	4.0675000E-02	2.7203000E-01	1.1065000E-02	4.7216000E-02
1.3882000E+03	3.9298000E-02	2.7197000E-01	1.0688000E-02	4.5607000E-02
1.3883000E+03	3.7998000E-02	2.7191000E-01	1.0332000E-02	4.4089000E-02
1.3884000E+03	3.6763000E-02	2.7185000E-01	9.9940000E-03	4.2646000E-02
1.3885000E+03	3.5582000E-02	2.7179000E-01	9.6708000E-03	4.1267000E-02
1.3886000E+03	3.4444000E-02	2.7173000E-01	9.3595000E-03	3.9939000E-02
1.3887000E+03	3.3338000E-02	2.7167000E-01	9.0571000E-03	3.8648000E-02
1.3888000E+03	3.2256000E-02	2.7161000E-01	8.7611000E-03	3.7385000E-02
1.3889000E+03	3.1188000E-02	2.7155000E-01	8.4692000E-03	3.6140000E-02
1.3890000E+03	3.0129000E-02	2.7149000E-01	8.1795000E-03	3.4904000E-02
1.3891000E+03	2.9072000E-02	2.7142000E-01	7.8907000E-03	3.3671000E-02
1.3892000E+03	2.8013000E-02	2.7136000E-01	7.6017000E-03	3.2438000E-02
1.3893000E+03	2.6952000E-02	2.7130000E-01	7.3120000E-03	3.1202000E-02
1.3894000E+03	2.5887000E-02	2.7124000E-01	7.0214000E-03	2.9962000E-02
1.3895000E+03	2.4819000E-02	2.7117000E-01	6.7303000E-03	2.8720000E-02
1.3896000E+03	2.3752000E-02	2.7111000E-01	6.4395000E-03	2.7479000E-02
1.3897000E+03	2.2689000E-02	2.7105000E-01	6.1500000E-03	2.6243000E-02
1.3898000E+03	2.1636000E-02	2.7099000E-01	5.8632000E-03	2.5019000E-02
1.3899000E+03	2.0599000E-02	2.7092000E-01	5.5807000E-03	2.3814000E-02
1.3900000E+03	1.9584000E-02	2.7086000E-01	5.3045000E-03	2.2635000E-02
1.3901000E+03	1.8598000E-02	2.7078000E-01	5.0360000E-03	2.1490000E-02
1.3902000E+03	1.7648000E-02	2.7071000E-01	4.7776000E-03	2.0387000E-02
1.3903000E+03	1.6742000E-02	2.7063000E-01	4.5310000E-03	1.9335000E-02
1.3904000E+03	1.5886000E-02	2.7055000E-01	4.2980000E-03	1.8340000E-02
1.3905000E+03	1.5084000E-02	2.7048000E-01	4.0799000E-03	1.7410000E-02
1.3906000E+03	1.4342000E-02	2.7040000E-01	3.8782000E-03	1.6549000E-02
1.3907000E+03	1.3664000E-02	2.7032000E-01	3.6936000E-03	1.5761000E-02
1.3908000E+03	1.3050000E-02	2.7025000E-01	3.5268000E-03	1.5050000E-02
1.3909000E+03	1.2503000E-02	2.7018000E-01	3.3781000E-03	1.4415000E-02
1.3910000E+03	1.2021000E-02	2.7011000E-01	3.2471000E-03	1.3856000E-02
1.3911000E+03	1.1603000E-02	2.7005000E-01	3.1333000E-03	1.3371000E-02
1.3912000E+03	1.1245000E-02	2.6998000E-01	3.0359000E-03	1.2955000E-02
1.3913000E+03	1.0942000E-02	2.6992000E-01	2.9534000E-03	1.2603000E-02
1.3914000E+03	1.0690000E-02	2.6985000E-01	2.8846000E-03	1.2309000E-02
1.3915000E+03	1.0481000E-02	2.6978000E-01	2.8276000E-03	1.2066000E-02

1.3916000E+03	1.0309000E-02	2.6972000E-01	2.7806000E-03	1.1865000E-02
1.3917000E+03	1.0166000E-02	2.6965000E-01	2.7414000E-03	1.1698000E-02
1.3918000E+03	1.0045000E-02	2.6959000E-01	2.7081000E-03	1.1556000E-02
1.3919000E+03	9.9384000E-03	2.6952000E-01	2.6786000E-03	1.1430000E-02
1.3920000E+03	9.8383000E-03	2.6946000E-01	2.6510000E-03	1.1312000E-02
1.3921000E+03	9.7382000E-03	2.6938000E-01	2.6233000E-03	1.1194000E-02
1.3922000E+03	9.6324000E-03	2.6931000E-01	2.5941000E-03	1.1069000E-02
1.3923000E+03	9.5155000E-03	2.6923000E-01	2.5619000E-03	1.0932000E-02
1.3924000E+03	9.3836000E-03	2.6916000E-01	2.5257000E-03	1.0778000E-02
1.3925000E+03	9.2337000E-03	2.6908000E-01	2.4846000E-03	1.0602000E-02
1.3926000E+03	9.0639000E-03	2.6901000E-01	2.4383000E-03	1.0405000E-02
1.3927000E+03	8.8735000E-03	2.6894000E-01	2.3864000E-03	1.0183000E-02
1.3928000E+03	8.6630000E-03	2.6887000E-01	2.3292000E-03	9.9394000E-03
1.3929000E+03	8.4337000E-03	2.6881000E-01	2.2671000E-03	9.6741000E-03
1.3930000E+03	8.1880000E-03	2.6875000E-01	2.2005000E-03	9.3901000E-03
1.3931000E+03	7.9292000E-03	2.6869000E-01	2.1305000E-03	9.0911000E-03
1.3932000E+03	7.6608000E-03	2.6863000E-01	2.0579000E-03	8.7814000E-03
1.3933000E+03	7.3871000E-03	2.6856000E-01	1.9839000E-03	8.4657000E-03
1.3934000E+03	7.1125000E-03	2.6850000E-01	1.9097000E-03	8.1491000E-03
1.3935000E+03	6.8413000E-03	2.6844000E-01	1.8365000E-03	7.8366000E-03
1.3936000E+03	6.5778000E-03	2.6837000E-01	1.7653000E-03	7.5330000E-03
1.3937000E+03	6.3259000E-03	2.6831000E-01	1.6973000E-03	7.2428000E-03
1.3938000E+03	6.0890000E-03	2.6825000E-01	1.6334000E-03	6.9699000E-03
1.3939000E+03	5.8699000E-03	2.6819000E-01	1.5742000E-03	6.7175000E-03
1.3940000E+03	5.6705000E-03	2.6813000E-01	1.5204000E-03	6.4879000E-03
1.3941000E+03	5.4923000E-03	2.6806000E-01	1.4723000E-03	6.2826000E-03
1.3942000E+03	5.3357000E-03	2.6800000E-01	1.4300000E-03	6.1019000E-03
1.3943000E+03	5.2003000E-03	2.6794000E-01	1.3933000E-03	5.9457000E-03
1.3944000E+03	5.0850000E-03	2.6787000E-01	1.3621000E-03	5.8125000E-03
1.3945000E+03	4.9880000E-03	2.6781000E-01	1.3358000E-03	5.7003000E-03
1.3946000E+03	4.9070000E-03	2.6775000E-01	1.3138000E-03	5.6064000E-03
1.3947000E+03	4.8389000E-03	2.6770000E-01	1.2954000E-03	5.5277000E-03
1.3948000E+03	4.7807000E-03	2.6766000E-01	1.2796000E-03	5.4604000E-03
1.3949000E+03	4.7289000E-03	2.6762000E-01	1.2656000E-03	5.4004000E-03
1.3950000E+03	4.6800000E-03	2.6758000E-01	1.2523000E-03	5.3437000E-03
1.3951000E+03	4.6307000E-03	2.6754000E-01	1.2389000E-03	5.2867000E-03
1.3952000E+03	4.5780000E-03	2.6750000E-01	1.2246000E-03	5.2257000E-03
1.3953000E+03	4.5190000E-03	2.6746000E-01	1.2087000E-03	5.1577000E-03
1.3954000E+03	4.4516000E-03	2.6743000E-01	1.1905000E-03	5.0800000E-03
1.3955000E+03	4.3742000E-03	2.6739000E-01	1.1696000E-03	4.9909000E-03
1.3956000E+03	4.2857000E-03	2.6735000E-01	1.1458000E-03	4.8893000E-03
1.3957000E+03	4.1858000E-03	2.6731000E-01	1.1189000E-03	4.7746000E-03
1.3958000E+03	4.0749000E-03	2.6727000E-01	1.0891000E-03	4.6474000E-03

1.3959000E+03	3.9539000E-03	2.6723000E-01	1.0566000E-03	4.5088000E-03
1.3960000E+03	3.8245000E-03	2.6720000E-01	1.0219000E-03	4.3606000E-03
1.3961000E+03	3.6888000E-03	2.6713000E-01	9.8539000E-04	4.2048000E-03
1.3962000E+03	3.5492000E-03	2.6707000E-01	9.4787000E-04	4.0448000E-03
1.3963000E+03	3.4085000E-03	2.6701000E-01	9.1010000E-04	3.8836000E-03
1.3964000E+03	3.2698000E-03	2.6694000E-01	8.7285000E-04	3.7246000E-03
1.3965000E+03	3.1360000E-03	2.6688000E-01	8.3692000E-04	3.5713000E-03
1.3966000E+03	3.0098000E-03	2.6684000E-01	8.0312000E-04	3.4271000E-03
1.3967000E+03	2.8939000E-03	2.6681000E-01	7.7212000E-04	3.2948000E-03
1.3968000E+03	2.7905000E-03	2.6678000E-01	7.4445000E-04	3.1767000E-03
1.3969000E+03	2.7012000E-03	2.6676000E-01	7.2057000E-04	3.0748000E-03
1.3970000E+03	2.6272000E-03	2.6673000E-01	7.0076000E-04	2.9903000E-03
1.3971000E+03	2.5691000E-03	2.6671000E-01	6.8519000E-04	2.9239000E-03
1.3972000E+03	2.5267000E-03	2.6669000E-01	6.7383000E-04	2.8753000E-03
1.3973000E+03	2.4993000E-03	2.6666000E-01	6.6647000E-04	2.8439000E-03
1.3974000E+03	2.4856000E-03	2.6664000E-01	6.6276000E-04	2.8281000E-03
1.3975000E+03	0.0000000E+00	2.6662000E-01	0.0000000E+00	0.0000000E+00
Channel 12				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1.4869000E+03	0.0000000E+00	2.9666000E-01	0.0000000E+00	0.0000000E+00
1.4870000E+03	2.4006000E-03	2.9648000E-01	7.1173000E-04	3.6027000E-03
1.4871000E+03	2.4492000E-03	2.9631000E-01	7.2573000E-04	3.6736000E-03
1.4872000E+03	2.5052000E-03	2.9614000E-01	7.4188000E-04	3.7553000E-03
1.4873000E+03	2.5681000E-03	2.9598000E-01	7.6012000E-04	3.8476000E-03
1.4874000E+03	2.6375000E-03	2.9583000E-01	7.8024000E-04	3.9495000E-03
1.4875000E+03	2.7126000E-03	2.9568000E-01	8.0206000E-04	4.0600000E-03
1.4876000E+03	2.7928000E-03	2.9552000E-01	8.2535000E-04	4.1778000E-03
1.4877000E+03	2.8773000E-03	2.9537000E-01	8.4986000E-04	4.3019000E-03
1.4878000E+03	2.9649000E-03	2.9522000E-01	8.7530000E-04	4.4307000E-03
1.4879000E+03	3.0548000E-03	2.9507000E-01	9.0137000E-04	4.5626000E-03
1.4880000E+03	3.1458000E-03	2.9491000E-01	9.2775000E-04	4.6961000E-03
1.4881000E+03	3.2369000E-03	2.9470000E-01	9.5390000E-04	4.8285000E-03
1.4882000E+03	3.3269000E-03	2.9448000E-01	9.7970000E-04	4.9591000E-03
1.4883000E+03	3.4148000E-03	2.9426000E-01	1.0048000E-03	5.0864000E-03
1.4884000E+03	3.4995000E-03	2.9405000E-01	1.0290000E-03	5.2088000E-03
1.4885000E+03	3.5802000E-03	2.9383000E-01	1.0520000E-03	5.3250000E-03
1.4886000E+03	3.6561000E-03	2.9361000E-01	1.0735000E-03	5.4339000E-03
1.4887000E+03	3.7267000E-03	2.9339000E-01	1.0934000E-03	5.5346000E-03
1.4888000E+03	3.7913000E-03	2.9318000E-01	1.1115000E-03	5.6265000E-03
1.4889000E+03	3.8499000E-03	2.9296000E-01	1.1279000E-03	5.7092000E-03

1.4890000E+03	3.9024000E-03	2.9274000E-01	1.1424000E-03	5.7826000E-03
1.4891000E+03	3.9488000E-03	2.9252000E-01	1.1551000E-03	5.8471000E-03
1.4892000E+03	3.9895000E-03	2.9231000E-01	1.1662000E-03	5.9030000E-03
1.4893000E+03	4.0250000E-03	2.9209000E-01	1.1757000E-03	5.9510000E-03
1.4894000E+03	4.0560000E-03	2.9186000E-01	1.1838000E-03	5.9923000E-03
1.4895000E+03	4.0833000E-03	2.9164000E-01	1.1909000E-03	6.0280000E-03
1.4896000E+03	4.1077000E-03	2.9142000E-01	1.1971000E-03	6.0594000E-03
1.4897000E+03	4.1303000E-03	2.9120000E-01	1.2027000E-03	6.0882000E-03
1.4898000E+03	4.1522000E-03	2.9098000E-01	1.2082000E-03	6.1158000E-03
1.4899000E+03	4.1744000E-03	2.9076000E-01	1.2138000E-03	6.1439000E-03
1.4900000E+03	4.1982000E-03	2.9054000E-01	1.2197000E-03	6.1742000E-03
1.4901000E+03	4.2247000E-03	2.9031000E-01	1.2264000E-03	6.2081000E-03
1.4902000E+03	4.2550000E-03	2.9007000E-01	1.2342000E-03	6.2476000E-03
1.4903000E+03	4.2901000E-03	2.8984000E-01	1.2434000E-03	6.2942000E-03
1.4904000E+03	4.3312000E-03	2.8961000E-01	1.2543000E-03	6.3493000E-03
1.4905000E+03	4.3790000E-03	2.8937000E-01	1.2672000E-03	6.4143000E-03
1.4906000E+03	4.4346000E-03	2.8914000E-01	1.2822000E-03	6.4905000E-03
1.4907000E+03	4.4986000E-03	2.8891000E-01	1.2997000E-03	6.5788000E-03
1.4908000E+03	4.5715000E-03	2.8867000E-01	1.3197000E-03	6.6801000E-03
1.4909000E+03	4.6540000E-03	2.8844000E-01	1.3424000E-03	6.7950000E-03
1.4910000E+03	4.7462000E-03	2.8821000E-01	1.3679000E-03	6.9240000E-03
1.4911000E+03	4.8483000E-03	2.8798000E-01	1.3962000E-03	7.0674000E-03
1.4912000E+03	4.9603000E-03	2.8777000E-01	1.4274000E-03	7.2253000E-03
1.4913000E+03	5.0820000E-03	2.8755000E-01	1.4613000E-03	7.3971000E-03
1.4914000E+03	5.2132000E-03	2.8734000E-01	1.4979000E-03	7.5824000E-03
1.4915000E+03	5.3532000E-03	2.8712000E-01	1.5370000E-03	7.7803000E-03
1.4916000E+03	5.5016000E-03	2.8691000E-01	1.5784000E-03	7.9899000E-03
1.4917000E+03	5.6575000E-03	2.8669000E-01	1.6220000E-03	8.2103000E-03
1.4918000E+03	5.8203000E-03	2.8648000E-01	1.6674000E-03	8.4401000E-03
1.4919000E+03	5.9890000E-03	2.8627000E-01	1.7144000E-03	8.6783000E-03
1.4920000E+03	6.1628000E-03	2.8605000E-01	1.7629000E-03	8.9236000E-03
1.4921000E+03	6.3409000E-03	2.8591000E-01	1.8129000E-03	9.1769000E-03
1.4922000E+03	6.5225000E-03	2.8577000E-01	1.8640000E-03	9.4351000E-03
1.4923000E+03	6.7069000E-03	2.8563000E-01	1.9157000E-03	9.6970000E-03
1.4924000E+03	6.8934000E-03	2.8549000E-01	1.9680000E-03	9.9618000E-03
1.4925000E+03	7.0816000E-03	2.8535000E-01	2.0207000E-03	1.0229000E-02
1.4926000E+03	7.2712000E-03	2.8521000E-01	2.0738000E-03	1.0497000E-02
1.4927000E+03	7.4619000E-03	2.8507000E-01	2.1272000E-03	1.0767000E-02
1.4928000E+03	7.6539000E-03	2.8493000E-01	2.1808000E-03	1.1039000E-02
1.4929000E+03	7.8473000E-03	2.8479000E-01	2.2348000E-03	1.1312000E-02
1.4930000E+03	8.0425000E-03	2.8465000E-01	2.2893000E-03	1.1588000E-02
1.4931000E+03	8.2402000E-03	2.8457000E-01	2.3449000E-03	1.1869000E-02
1.4932000E+03	8.4410000E-03	2.8449000E-01	2.4014000E-03	1.2155000E-02

1.4933000E+03	8.6460000E-03	2.8441000E-01	2.4590000E-03	1.2447000E-02
1.4934000E+03	8.8563000E-03	2.8433000E-01	2.5181000E-03	1.2746000E-02
1.4935000E+03	9.0732000E-03	2.8425000E-01	2.5790000E-03	1.3055000E-02
1.4936000E+03	9.2982000E-03	2.8416000E-01	2.6422000E-03	1.3375000E-02
1.4937000E+03	9.5327000E-03	2.8408000E-01	2.7081000E-03	1.3708000E-02
1.4938000E+03	9.7784000E-03	2.8400000E-01	2.7771000E-03	1.4057000E-02
1.4939000E+03	1.0037000E-02	2.8392000E-01	2.8498000E-03	1.4425000E-02
1.4940000E+03	1.0311000E-02	2.8384000E-01	2.9267000E-03	1.4814000E-02
1.4941000E+03	1.0601000E-02	2.8358000E-01	3.0062000E-03	1.5217000E-02
1.4942000E+03	1.0910000E-02	2.8331000E-01	3.0909000E-03	1.5646000E-02
1.4943000E+03	1.1239000E-02	2.8304000E-01	3.1811000E-03	1.6102000E-02
1.4944000E+03	1.1590000E-02	2.8278000E-01	3.2775000E-03	1.6590000E-02
1.4945000E+03	1.1965000E-02	2.8251000E-01	3.3804000E-03	1.7111000E-02
1.4946000E+03	1.2366000E-02	2.8225000E-01	3.4903000E-03	1.7668000E-02
1.4947000E+03	1.2794000E-02	2.8198000E-01	3.6077000E-03	1.8262000E-02
1.4948000E+03	1.3250000E-02	2.8171000E-01	3.7328000E-03	1.8895000E-02
1.4949000E+03	1.3736000E-02	2.8145000E-01	3.8661000E-03	1.9570000E-02
1.4950000E+03	1.4253000E-02	2.8122000E-01	4.0084000E-03	2.0290000E-02
1.4951000E+03	1.4802000E-02	2.8101000E-01	4.1596000E-03	2.1056000E-02
1.4952000E+03	1.5384000E-02	2.8080000E-01	4.3199000E-03	2.1867000E-02
1.4953000E+03	1.6000000E-02	2.8059000E-01	4.4893000E-03	2.2725000E-02
1.4954000E+03	1.6649000E-02	2.8038000E-01	4.6681000E-03	2.3629000E-02
1.4955000E+03	1.7334000E-02	2.8017000E-01	4.8564000E-03	2.4582000E-02
1.4956000E+03	1.8053000E-02	2.7996000E-01	5.0542000E-03	2.5584000E-02
1.4957000E+03	1.8809000E-02	2.7975000E-01	5.2617000E-03	2.6634000E-02
1.4958000E+03	1.9600000E-02	2.7954000E-01	5.4790000E-03	2.7734000E-02
1.4959000E+03	2.0428000E-02	2.7933000E-01	5.7062000E-03	2.8884000E-02
1.4960000E+03	2.1294000E-02	2.7911000E-01	5.9433000E-03	3.0084000E-02
1.4961000E+03	2.2196000E-02	2.7894000E-01	6.1914000E-03	3.1340000E-02
1.4962000E+03	2.3137000E-02	2.7876000E-01	6.4498000E-03	3.2648000E-02
1.4963000E+03	2.4117000E-02	2.7859000E-01	6.7187000E-03	3.4009000E-02
1.4964000E+03	2.5137000E-02	2.7841000E-01	6.9983000E-03	3.5425000E-02
1.4965000E+03	2.6197000E-02	2.7823000E-01	7.2890000E-03	3.6896000E-02
1.4966000E+03	2.7300000E-02	2.7806000E-01	7.5909000E-03	3.8424000E-02
1.4967000E+03	2.8446000E-02	2.7788000E-01	7.9046000E-03	4.0012000E-02
1.4968000E+03	2.9638000E-02	2.7770000E-01	8.2304000E-03	4.1661000E-02
1.4969000E+03	3.0876000E-02	2.7750000E-01	8.5681000E-03	4.3371000E-02
1.4970000E+03	3.2163000E-02	2.7727000E-01	8.9179000E-03	4.5141000E-02
1.4971000E+03	3.3502000E-02	2.7704000E-01	9.2814000E-03	4.6981000E-02
1.4972000E+03	3.4894000E-02	2.7681000E-01	9.6590000E-03	4.8893000E-02
1.4973000E+03	3.6343000E-02	2.7658000E-01	1.0052000E-02	5.0880000E-02
1.4974000E+03	3.7850000E-02	2.7635000E-01	1.0460000E-02	5.2947000E-02
1.4975000E+03	3.9421000E-02	2.7612000E-01	1.0885000E-02	5.5098000E-02

1.4976000E+03	4.1056000E-02	2.7589000E-01	1.1327000E-02	5.7336000E-02
1.4977000E+03	4.2760000E-02	2.7566000E-01	1.1787000E-02	5.9666000E-02
1.4978000E+03	4.4536000E-02	2.7543000E-01	1.2267000E-02	6.2093000E-02
1.4979000E+03	4.6388000E-02	2.7520000E-01	1.2766000E-02	6.4620000E-02
1.4980000E+03	4.8319000E-02	2.7497000E-01	1.3286000E-02	6.7254000E-02
1.4981000E+03	5.0333000E-02	2.7483000E-01	1.3833000E-02	7.0019000E-02
1.4982000E+03	5.1983000E-02	2.7468000E-01	1.4279000E-02	7.2277000E-02
1.4983000E+03	5.4154000E-02	2.7454000E-01	1.4867000E-02	7.5257000E-02
1.4984000E+03	5.6420000E-02	2.7439000E-01	1.5481000E-02	7.8364000E-02
1.4985000E+03	5.8782000E-02	2.7425000E-01	1.6121000E-02	8.1602000E-02
1.4986000E+03	6.1245000E-02	2.7410000E-01	1.6787000E-02	8.4976000E-02
1.4987000E+03	6.3812000E-02	2.7396000E-01	1.7482000E-02	8.8491000E-02
1.4988000E+03	6.6487000E-02	2.7379000E-01	1.8203000E-02	9.2142000E-02
1.4989000E+03	6.9271000E-02	2.7351000E-01	1.8946000E-02	9.5904000E-02
1.4990000E+03	7.2170000E-02	2.7323000E-01	1.9719000E-02	9.9816000E-02
1.4991000E+03	7.5184000E-02	2.7295000E-01	2.0522000E-02	1.0388000E-01
1.4992000E+03	7.8319000E-02	2.7268000E-01	2.1356000E-02	1.0810000E-01
1.4993000E+03	8.1576000E-02	2.7240000E-01	2.2221000E-02	1.1248000E-01
1.4994000E+03	8.4958000E-02	2.7212000E-01	2.3118000E-02	1.1702000E-01
1.4995000E+03	8.8468000E-02	2.7184000E-01	2.4049000E-02	1.2173000E-01
1.4996000E+03	9.2109000E-02	2.7156000E-01	2.5013000E-02	1.2661000E-01
1.4997000E+03	9.5884000E-02	2.7128000E-01	2.6011000E-02	1.3167000E-01
1.4998000E+03	9.9796000E-02	2.7100000E-01	2.7045000E-02	1.3690000E-01
1.4999000E+03	1.0385000E-01	2.7072000E-01	2.8114000E-02	1.4231000E-01
1.5000000E+03	1.0804000E-01	2.7044000E-01	2.9219000E-02	1.4790000E-01
1.5001000E+03	1.1238000E-01	2.7015000E-01	3.0360000E-02	1.5368000E-01
1.5002000E+03	1.1687000E-01	2.6985000E-01	3.1538000E-02	1.5964000E-01
1.5003000E+03	1.2151000E-01	2.6956000E-01	3.2754000E-02	1.6580000E-01
1.5004000E+03	1.2631000E-01	2.6926000E-01	3.4010000E-02	1.7216000E-01
1.5005000E+03	1.3127000E-01	2.6896000E-01	3.5306000E-02	1.7872000E-01
1.5006000E+03	1.3639000E-01	2.6867000E-01	3.6643000E-02	1.8548000E-01
1.5007000E+03	1.4167000E-01	2.6837000E-01	3.8020000E-02	1.9245000E-01
1.5008000E+03	1.4712000E-01	2.6801000E-01	3.9431000E-02	1.9960000E-01
1.5009000E+03	1.5275000E-01	2.6765000E-01	4.0883000E-02	2.0695000E-01
1.5010000E+03	1.5855000E-01	2.6729000E-01	4.2378000E-02	2.1451000E-01
1.5011000E+03	1.6453000E-01	2.6692000E-01	4.3916000E-02	2.2230000E-01
1.5012000E+03	1.7068000E-01	2.6656000E-01	4.5497000E-02	2.3030000E-01
1.5013000E+03	1.7702000E-01	2.6619000E-01	4.7122000E-02	2.3853000E-01
1.5014000E+03	1.8355000E-01	2.6583000E-01	4.8791000E-02	2.4698000E-01
1.5015000E+03	1.9026000E-01	2.6546000E-01	5.0505000E-02	2.5565000E-01
1.5016000E+03	1.9715000E-01	2.6510000E-01	5.2263000E-02	2.6455000E-01
1.5017000E+03	2.0423000E-01	2.6473000E-01	5.4065000E-02	2.7367000E-01
1.5018000E+03	2.1149000E-01	2.6437000E-01	5.5910000E-02	2.8301000E-01

1.5019000E+03	2.1893000E-01	2.6400000E-01	5.7798000E-02	2.9257000E-01
1.5020000E+03	2.2655000E-01	2.6364000E-01	5.9728000E-02	3.0234000E-01
1.5021000E+03	2.3435000E-01	2.6326000E-01	6.1696000E-02	3.1230000E-01
1.5022000E+03	2.4232000E-01	2.6288000E-01	6.3703000E-02	3.2245000E-01
1.5023000E+03	2.5046000E-01	2.6251000E-01	6.5747000E-02	3.3280000E-01
1.5024000E+03	2.5875000E-01	2.6213000E-01	6.7828000E-02	3.4334000E-01
1.5025000E+03	2.6721000E-01	2.6175000E-01	6.9942000E-02	3.5404000E-01
1.5026000E+03	2.7580000E-01	2.6138000E-01	7.2089000E-02	3.6491000E-01
1.5027000E+03	2.8454000E-01	2.6101000E-01	7.4269000E-02	3.7594000E-01
1.5028000E+03	2.9340000E-01	2.6066000E-01	7.6477000E-02	3.8712000E-01
1.5029000E+03	3.0238000E-01	2.6030000E-01	7.8710000E-02	3.9842000E-01
1.5030000E+03	3.1146000E-01	2.5995000E-01	8.0965000E-02	4.0983000E-01
1.5031000E+03	3.2065000E-01	2.5960000E-01	8.3238000E-02	4.2134000E-01
1.5032000E+03	3.2991000E-01	2.5924000E-01	8.5526000E-02	4.3293000E-01
1.5033000E+03	3.3925000E-01	2.5889000E-01	8.7827000E-02	4.4457000E-01
1.5034000E+03	3.4864000E-01	2.5853000E-01	9.0136000E-02	4.5626000E-01
1.5035000E+03	3.5808000E-01	2.5818000E-01	9.2451000E-02	4.6797000E-01
1.5036000E+03	3.6756000E-01	2.5783000E-01	9.4767000E-02	4.7970000E-01
1.5037000E+03	3.7706000E-01	2.5748000E-01	9.7084000E-02	4.9143000E-01
1.5038000E+03	3.8656000E-01	2.5713000E-01	9.9395000E-02	5.0313000E-01
1.5039000E+03	3.9607000E-01	2.5678000E-01	1.0170000E-01	5.1479000E-01
1.5040000E+03	4.0556000E-01	2.5642000E-01	1.0399000E-01	5.2641000E-01
1.5041000E+03	4.1502000E-01	2.5602000E-01	1.0625000E-01	5.3785000E-01
1.5042000E+03	4.2445000E-01	2.5562000E-01	1.0850000E-01	5.4920000E-01
1.5043000E+03	4.3383000E-01	2.5522000E-01	1.1072000E-01	5.6046000E-01
1.5044000E+03	4.4315000E-01	2.5482000E-01	1.1292000E-01	5.7161000E-01
1.5045000E+03	4.5242000E-01	2.5442000E-01	1.1510000E-01	5.8264000E-01
1.5046000E+03	4.6161000E-01	2.5404000E-01	1.1727000E-01	5.9359000E-01
1.5047000E+03	4.7072000E-01	2.5371000E-01	1.1943000E-01	6.0452000E-01
1.5048000E+03	4.7974000E-01	2.5338000E-01	1.2156000E-01	6.1531000E-01
1.5049000E+03	4.8867000E-01	2.5305000E-01	1.2366000E-01	6.2595000E-01
1.5050000E+03	4.9750000E-01	2.5272000E-01	1.2573000E-01	6.3643000E-01
1.5051000E+03	5.0623000E-01	2.5240000E-01	1.2777000E-01	6.4676000E-01
1.5052000E+03	5.1485000E-01	2.5207000E-01	1.2978000E-01	6.5692000E-01
1.5053000E+03	5.2336000E-01	2.5174000E-01	1.3175000E-01	6.6690000E-01
1.5054000E+03	5.3175000E-01	2.5141000E-01	1.3369000E-01	6.7672000E-01
1.5055000E+03	5.4002000E-01	2.5109000E-01	1.3559000E-01	6.8635000E-01
1.5056000E+03	5.4817000E-01	2.5076000E-01	1.3746000E-01	6.9580000E-01
1.5057000E+03	5.5620000E-01	2.5043000E-01	1.3929000E-01	7.0507000E-01
1.5058000E+03	5.6409000E-01	2.5011000E-01	1.4108000E-01	7.1415000E-01
1.5059000E+03	5.7186000E-01	2.4978000E-01	1.4284000E-01	7.2303000E-01
1.5060000E+03	5.7948000E-01	2.4945000E-01	1.4455000E-01	7.3172000E-01
1.5061000E+03	5.8697000E-01	2.4919000E-01	1.4627000E-01	7.4038000E-01

1.5062000E+03	5.9432000E-01	2.4892000E-01	1.4794000E-01	7.4885000E-01
1.5063000E+03	6.0152000E-01	2.4865000E-01	1.4957000E-01	7.5711000E-01
1.5064000E+03	6.0858000E-01	2.4839000E-01	1.5116000E-01	7.6516000E-01
1.5065000E+03	6.1547000E-01	2.4812000E-01	1.5271000E-01	7.7301000E-01
1.5066000E+03	6.2221000E-01	2.4795000E-01	1.5428000E-01	7.8095000E-01
1.5067000E+03	6.2879000E-01	2.4779000E-01	1.5581000E-01	7.8868000E-01
1.5068000E+03	6.3521000E-01	2.4762000E-01	1.5729000E-01	7.9618000E-01
1.5069000E+03	6.4145000E-01	2.4745000E-01	1.5873000E-01	8.0347000E-01
1.5070000E+03	6.4752000E-01	2.4729000E-01	1.6012000E-01	8.1053000E-01
1.5071000E+03	6.5341000E-01	2.4712000E-01	1.6147000E-01	8.1734000E-01
1.5072000E+03	6.5912000E-01	2.4695000E-01	1.6277000E-01	8.2392000E-01
1.5073000E+03	6.6465000E-01	2.4678000E-01	1.6402000E-01	8.3026000E-01
1.5074000E+03	6.6998000E-01	2.4661000E-01	1.6523000E-01	8.3636000E-01
1.5075000E+03	6.7513000E-01	2.4645000E-01	1.6638000E-01	8.4220000E-01
1.5076000E+03	6.8008000E-01	2.4628000E-01	1.6749000E-01	8.4780000E-01
1.5077000E+03	6.8484000E-01	2.4611000E-01	1.6854000E-01	8.5316000E-01
1.5078000E+03	6.8940000E-01	2.4594000E-01	1.6955000E-01	8.5825000E-01
1.5079000E+03	6.9377000E-01	2.4577000E-01	1.7051000E-01	8.6310000E-01
1.5080000E+03	6.9794000E-01	2.4561000E-01	1.7142000E-01	8.6770000E-01
1.5081000E+03	7.0192000E-01	2.4547000E-01	1.7230000E-01	8.7216000E-01
1.5082000E+03	7.0571000E-01	2.4533000E-01	1.7313000E-01	8.7638000E-01
1.5083000E+03	7.0932000E-01	2.4519000E-01	1.7392000E-01	8.8037000E-01
1.5084000E+03	7.1274000E-01	2.4506000E-01	1.7466000E-01	8.8412000E-01
1.5085000E+03	7.1599000E-01	2.4503000E-01	1.7543000E-01	8.8803000E-01
1.5086000E+03	7.1906000E-01	2.4504000E-01	1.7620000E-01	8.9189000E-01
1.5087000E+03	7.2196000E-01	2.4505000E-01	1.7692000E-01	8.9554000E-01
1.5088000E+03	7.2471000E-01	2.4507000E-01	1.7760000E-01	8.9900000E-01
1.5089000E+03	7.2730000E-01	2.4508000E-01	1.7825000E-01	9.0226000E-01
1.5090000E+03	7.2975000E-01	2.4509000E-01	1.7886000E-01	9.0535000E-01
1.5091000E+03	7.3206000E-01	2.4511000E-01	1.7943000E-01	9.0827000E-01
1.5092000E+03	7.3424000E-01	2.4512000E-01	1.7998000E-01	9.1102000E-01
1.5093000E+03	7.3629000E-01	2.4513000E-01	1.8049000E-01	9.1363000E-01
1.5094000E+03	7.3824000E-01	2.4515000E-01	1.8098000E-01	9.1609000E-01
1.5095000E+03	7.4007000E-01	2.4516000E-01	1.8144000E-01	9.1842000E-01
1.5096000E+03	7.4181000E-01	2.4518000E-01	1.8187000E-01	9.2063000E-01
1.5097000E+03	7.4346000E-01	2.4519000E-01	1.8229000E-01	9.2272000E-01
1.5098000E+03	7.4501000E-01	2.4520000E-01	1.8268000E-01	9.2470000E-01
1.5099000E+03	7.4649000E-01	2.4522000E-01	1.8305000E-01	9.2658000E-01
1.5100000E+03	7.4790000E-01	2.4523000E-01	1.8340000E-01	9.2837000E-01
1.5101000E+03	7.4923000E-01	2.4521000E-01	1.8372000E-01	9.2997000E-01
1.5102000E+03	7.5050000E-01	2.4519000E-01	1.8402000E-01	9.3147000E-01
1.5103000E+03	7.5170000E-01	2.4518000E-01	1.8430000E-01	9.3290000E-01
1.5104000E+03	7.5285000E-01	2.4519000E-01	1.8459000E-01	9.3439000E-01

1.5105000E+03	7.5394000E-01	2.4526000E-01	1.8491000E-01	9.3601000E-01
1.5106000E+03	7.5498000E-01	2.4533000E-01	1.8522000E-01	9.3756000E-01
1.5107000E+03	7.5597000E-01	2.4540000E-01	1.8551000E-01	9.3905000E-01
1.5108000E+03	7.5691000E-01	2.4547000E-01	1.8580000E-01	9.4048000E-01
1.5109000E+03	7.5779000E-01	2.4554000E-01	1.8606000E-01	9.4184000E-01
1.5110000E+03	7.5863000E-01	2.4560000E-01	1.8632000E-01	9.4314000E-01
1.5111000E+03	7.5942000E-01	2.4567000E-01	1.8657000E-01	9.4439000E-01
1.5112000E+03	7.6017000E-01	2.4574000E-01	1.8680000E-01	9.4558000E-01
1.5113000E+03	7.6087000E-01	2.4581000E-01	1.8703000E-01	9.4671000E-01
1.5114000E+03	7.6152000E-01	2.4588000E-01	1.8724000E-01	9.4779000E-01
1.5115000E+03	7.6213000E-01	2.4594000E-01	1.8744000E-01	9.4881000E-01
1.5116000E+03	7.6271000E-01	2.4601000E-01	1.8763000E-01	9.4978000E-01
1.5117000E+03	7.6324000E-01	2.4608000E-01	1.8781000E-01	9.5070000E-01
1.5118000E+03	7.6373000E-01	2.4614000E-01	1.8799000E-01	9.5157000E-01
1.5119000E+03	7.6419000E-01	2.4621000E-01	1.8815000E-01	9.5240000E-01
1.5120000E+03	7.6461000E-01	2.4628000E-01	1.8831000E-01	9.5318000E-01
1.5121000E+03	7.6501000E-01	2.4637000E-01	1.8847000E-01	9.5403000E-01
1.5122000E+03	7.6538000E-01	2.4646000E-01	1.8863000E-01	9.5484000E-01
1.5123000E+03	7.6573000E-01	2.4654000E-01	1.8878000E-01	9.5559000E-01
1.5124000E+03	7.6607000E-01	2.4653000E-01	1.8886000E-01	9.5597000E-01
1.5125000E+03	7.6639000E-01	2.4652000E-01	1.8893000E-01	9.5633000E-01
1.5126000E+03	7.6669000E-01	2.4651000E-01	1.8900000E-01	9.5668000E-01
1.5127000E+03	7.6700000E-01	2.4650000E-01	1.8906000E-01	9.5702000E-01
1.5128000E+03	7.6730000E-01	2.4649000E-01	1.8913000E-01	9.5735000E-01
1.5129000E+03	7.6760000E-01	2.4648000E-01	1.8919000E-01	9.5768000E-01
1.5130000E+03	7.6790000E-01	2.4647000E-01	1.8926000E-01	9.5802000E-01
1.5131000E+03	7.6821000E-01	2.4645000E-01	1.8933000E-01	9.5836000E-01
1.5132000E+03	7.6853000E-01	2.4644000E-01	1.8940000E-01	9.5870000E-01
1.5133000E+03	7.6886000E-01	2.4642000E-01	1.8947000E-01	9.5906000E-01
1.5134000E+03	7.6920000E-01	2.4641000E-01	1.8954000E-01	9.5943000E-01
1.5135000E+03	7.6955000E-01	2.4640000E-01	1.8961000E-01	9.5981000E-01
1.5136000E+03	7.6991000E-01	2.4638000E-01	1.8969000E-01	9.6020000E-01
1.5137000E+03	7.7028000E-01	2.4637000E-01	1.8977000E-01	9.6060000E-01
1.5138000E+03	7.7066000E-01	2.4635000E-01	1.8985000E-01	9.6102000E-01
1.5139000E+03	7.7104000E-01	2.4634000E-01	1.8994000E-01	9.6143000E-01
1.5140000E+03	7.7142000E-01	2.4632000E-01	1.9002000E-01	9.6185000E-01
1.5141000E+03	7.7180000E-01	2.4635000E-01	1.9014000E-01	9.6245000E-01
1.5142000E+03	7.7218000E-01	2.4639000E-01	1.9025000E-01	9.6304000E-01
1.5143000E+03	7.7254000E-01	2.4627000E-01	1.9025000E-01	9.6303000E-01
1.5144000E+03	7.7289000E-01	2.4611000E-01	1.9022000E-01	9.6285000E-01
1.5145000E+03	7.7321000E-01	2.4596000E-01	1.9018000E-01	9.6265000E-01
1.5146000E+03	7.7351000E-01	2.4580000E-01	1.9013000E-01	9.6241000E-01
1.5147000E+03	7.7379000E-01	2.4564000E-01	1.9008000E-01	9.6214000E-01

1.5148000E+03	7.7403000E-01	2.4549000E-01	1.9001000E-01	9.6183000E-01
1.5149000E+03	7.7423000E-01	2.4533000E-01	1.8994000E-01	9.6147000E-01
1.5150000E+03	7.7439000E-01	2.4518000E-01	1.8986000E-01	9.6107000E-01
1.5151000E+03	7.7452000E-01	2.4502000E-01	1.8977000E-01	9.6061000E-01
1.5152000E+03	7.7460000E-01	2.4486000E-01	1.8967000E-01	9.6009000E-01
1.5153000E+03	7.7464000E-01	2.4470000E-01	1.8956000E-01	9.5952000E-01
1.5154000E+03	7.7464000E-01	2.4455000E-01	1.8944000E-01	9.5890000E-01
1.5155000E+03	7.7460000E-01	2.4439000E-01	1.8930000E-01	9.5823000E-01
1.5156000E+03	7.7452000E-01	2.4423000E-01	1.8916000E-01	9.5752000E-01
1.5157000E+03	7.7441000E-01	2.4407000E-01	1.8901000E-01	9.5676000E-01
1.5158000E+03	7.7427000E-01	2.4392000E-01	1.8886000E-01	9.5597000E-01
1.5159000E+03	7.7410000E-01	2.4376000E-01	1.8869000E-01	9.5515000E-01
1.5160000E+03	7.7392000E-01	2.4360000E-01	1.8853000E-01	9.5430000E-01
1.5161000E+03	7.7372000E-01	2.4342000E-01	1.8834000E-01	9.5335000E-01
1.5162000E+03	7.7352000E-01	2.4319000E-01	1.8811000E-01	9.5221000E-01
1.5163000E+03	7.7332000E-01	2.4292000E-01	1.8785000E-01	9.5090000E-01
1.5164000E+03	7.7313000E-01	2.4265000E-01	1.8760000E-01	9.4959000E-01
1.5165000E+03	7.7295000E-01	2.4237000E-01	1.8734000E-01	9.4830000E-01
1.5166000E+03	7.7279000E-01	2.4210000E-01	1.8709000E-01	9.4704000E-01
1.5167000E+03	7.7266000E-01	2.4183000E-01	1.8685000E-01	9.4582000E-01
1.5168000E+03	7.7257000E-01	2.4155000E-01	1.8662000E-01	9.4463000E-01
1.5169000E+03	7.7251000E-01	2.4128000E-01	1.8639000E-01	9.4349000E-01
1.5170000E+03	7.7249000E-01	2.4101000E-01	1.8618000E-01	9.4240000E-01
1.5171000E+03	7.7251000E-01	2.4074000E-01	1.8597000E-01	9.4137000E-01
1.5172000E+03	7.7258000E-01	2.4047000E-01	1.8578000E-01	9.4039000E-01
1.5173000E+03	7.7269000E-01	2.4020000E-01	1.8560000E-01	9.3947000E-01
1.5174000E+03	7.7284000E-01	2.3993000E-01	1.8542000E-01	9.3860000E-01
1.5175000E+03	7.7303000E-01	2.3966000E-01	1.8526000E-01	9.3777000E-01
1.5176000E+03	7.7325000E-01	2.3939000E-01	1.8511000E-01	9.3699000E-01
1.5177000E+03	7.7350000E-01	2.3912000E-01	1.8496000E-01	9.3624000E-01
1.5178000E+03	7.7378000E-01	2.3885000E-01	1.8482000E-01	9.3551000E-01
1.5179000E+03	7.7407000E-01	2.3858000E-01	1.8468000E-01	9.3481000E-01
1.5180000E+03	7.7437000E-01	2.3831000E-01	1.8454000E-01	9.3411000E-01
1.5181000E+03	7.7466000E-01	2.3811000E-01	1.8445000E-01	9.3368000E-01
1.5182000E+03	7.7495000E-01	2.3793000E-01	1.8438000E-01	9.3334000E-01
1.5183000E+03	7.7521000E-01	2.3776000E-01	1.8431000E-01	9.3296000E-01
1.5184000E+03	7.7544000E-01	2.3758000E-01	1.8423000E-01	9.3255000E-01
1.5185000E+03	7.7563000E-01	2.3741000E-01	1.8414000E-01	9.3209000E-01
1.5186000E+03	7.7577000E-01	2.3723000E-01	1.8404000E-01	9.3157000E-01
1.5187000E+03	7.7585000E-01	2.3705000E-01	1.8392000E-01	9.3098000E-01
1.5188000E+03	7.7587000E-01	2.3688000E-01	1.8379000E-01	9.3031000E-01
1.5189000E+03	7.7581000E-01	2.3670000E-01	1.8364000E-01	9.2955000E-01
1.5190000E+03	7.7568000E-01	2.3653000E-01	1.8347000E-01	9.2871000E-01

1.5191000E+03	7.7547000E-01	2.3635000E-01	1.8328000E-01	9.2777000E-01
1.5192000E+03	7.7517000E-01	2.3618000E-01	1.8308000E-01	9.2673000E-01
1.5193000E+03	7.7480000E-01	2.3600000E-01	1.8285000E-01	9.2559000E-01
1.5194000E+03	7.7434000E-01	2.3583000E-01	1.8261000E-01	9.2435000E-01
1.5195000E+03	7.7381000E-01	2.3565000E-01	1.8235000E-01	9.2303000E-01
1.5196000E+03	7.7320000E-01	2.3548000E-01	1.8207000E-01	9.2162000E-01
1.5197000E+03	7.7252000E-01	2.3530000E-01	1.8178000E-01	9.2013000E-01
1.5198000E+03	7.7179000E-01	2.3513000E-01	1.8147000E-01	9.1858000E-01
1.5199000E+03	7.7101000E-01	2.3495000E-01	1.8115000E-01	9.1696000E-01
1.5200000E+03	7.7018000E-01	2.3478000E-01	1.8082000E-01	9.1531000E-01
1.5201000E+03	7.6933000E-01	2.3473000E-01	1.8058000E-01	9.1409000E-01
1.5202000E+03	7.6847000E-01	2.3467000E-01	1.8034000E-01	9.1286000E-01
1.5203000E+03	7.6760000E-01	2.3462000E-01	1.8010000E-01	9.1162000E-01
1.5204000E+03	7.6674000E-01	2.3457000E-01	1.7985000E-01	9.1040000E-01
1.5205000E+03	7.6591000E-01	2.3452000E-01	1.7962000E-01	9.0920000E-01
1.5206000E+03	7.6510000E-01	2.3446000E-01	1.7939000E-01	9.0805000E-01
1.5207000E+03	7.6435000E-01	2.3441000E-01	1.7917000E-01	9.0695000E-01
1.5208000E+03	7.6365000E-01	2.3436000E-01	1.7897000E-01	9.0592000E-01
1.5209000E+03	7.6302000E-01	2.3431000E-01	1.7878000E-01	9.0497000E-01
1.5210000E+03	7.6247000E-01	2.3426000E-01	1.7861000E-01	9.0412000E-01
1.5211000E+03	7.6200000E-01	2.3420000E-01	1.7846000E-01	9.0335000E-01
1.5212000E+03	7.6162000E-01	2.3415000E-01	1.7833000E-01	9.0269000E-01
1.5213000E+03	7.6134000E-01	2.3409000E-01	1.7822000E-01	9.0214000E-01
1.5214000E+03	7.6114000E-01	2.3404000E-01	1.7813000E-01	9.0170000E-01
1.5215000E+03	7.6105000E-01	2.3398000E-01	1.7807000E-01	9.0138000E-01
1.5216000E+03	7.6105000E-01	2.3393000E-01	1.7803000E-01	9.0117000E-01
1.5217000E+03	7.6114000E-01	2.3387000E-01	1.7801000E-01	9.0107000E-01
1.5218000E+03	7.6131000E-01	2.3382000E-01	1.7801000E-01	9.0107000E-01
1.5219000E+03	7.6157000E-01	2.3377000E-01	1.7803000E-01	9.0117000E-01
1.5220000E+03	7.6190000E-01	2.3379000E-01	1.7813000E-01	9.0166000E-01
1.5221000E+03	7.6229000E-01	2.3393000E-01	1.7832000E-01	9.0266000E-01
1.5222000E+03	7.6274000E-01	2.3407000E-01	1.7853000E-01	9.0372000E-01
1.5223000E+03	7.6322000E-01	2.3421000E-01	1.7875000E-01	9.0483000E-01
1.5224000E+03	7.6374000E-01	2.3435000E-01	1.7898000E-01	9.0598000E-01
1.5225000E+03	7.6428000E-01	2.3449000E-01	1.7921000E-01	9.0715000E-01
1.5226000E+03	7.6482000E-01	2.3463000E-01	1.7945000E-01	9.0834000E-01
1.5227000E+03	7.6536000E-01	2.3476000E-01	1.7968000E-01	9.0952000E-01
1.5228000E+03	7.6589000E-01	2.3490000E-01	1.7991000E-01	9.1069000E-01
1.5229000E+03	7.6640000E-01	2.3504000E-01	1.8014000E-01	9.1183000E-01
1.5230000E+03	7.6687000E-01	2.3518000E-01	1.8035000E-01	9.1293000E-01
1.5231000E+03	7.6730000E-01	2.3532000E-01	1.8056000E-01	9.1398000E-01
1.5232000E+03	7.6769000E-01	2.3546000E-01	1.8076000E-01	9.1499000E-01
1.5233000E+03	7.6802000E-01	2.3560000E-01	1.8095000E-01	9.1593000E-01

1.5234000E+03	7.6830000E-01	2.3574000E-01	1.8112000E-01	9.1680000E-01
1.5235000E+03	7.6853000E-01	2.3588000E-01	1.8128000E-01	9.1761000E-01
1.5236000E+03	7.6869000E-01	2.3602000E-01	1.8142000E-01	9.1835000E-01
1.5237000E+03	7.6880000E-01	2.3616000E-01	1.8156000E-01	9.1902000E-01
1.5238000E+03	7.6885000E-01	2.3630000E-01	1.8168000E-01	9.1963000E-01
1.5239000E+03	7.6885000E-01	2.3647000E-01	1.8181000E-01	9.2029000E-01
1.5240000E+03	7.6881000E-01	2.3668000E-01	1.8196000E-01	9.2106000E-01
1.5241000E+03	7.6873000E-01	2.3686000E-01	1.8208000E-01	9.2168000E-01
1.5242000E+03	7.6862000E-01	2.3704000E-01	1.8220000E-01	9.2226000E-01
1.5243000E+03	7.6848000E-01	2.3723000E-01	1.8231000E-01	9.2281000E-01
1.5244000E+03	7.6833000E-01	2.3741000E-01	1.8241000E-01	9.2334000E-01
1.5245000E+03	7.6817000E-01	2.3760000E-01	1.8251000E-01	9.2387000E-01
1.5246000E+03	7.6801000E-01	2.3778000E-01	1.8262000E-01	9.2439000E-01
1.5247000E+03	7.6786000E-01	2.3796000E-01	1.8272000E-01	9.2492000E-01
1.5248000E+03	7.6772000E-01	2.3815000E-01	1.8283000E-01	9.2548000E-01
1.5249000E+03	7.6762000E-01	2.3833000E-01	1.8295000E-01	9.2606000E-01
1.5250000E+03	7.6754000E-01	2.3852000E-01	1.8307000E-01	9.2668000E-01
1.5251000E+03	7.6751000E-01	2.3870000E-01	1.8320000E-01	9.2735000E-01
1.5252000E+03	7.6752000E-01	2.3888000E-01	1.8334000E-01	9.2807000E-01
1.5253000E+03	7.6758000E-01	2.3906000E-01	1.8350000E-01	9.2885000E-01
1.5254000E+03	7.6769000E-01	2.3924000E-01	1.8366000E-01	9.2969000E-01
1.5255000E+03	7.6785000E-01	2.3942000E-01	1.8384000E-01	9.3059000E-01
1.5256000E+03	7.6807000E-01	2.3961000E-01	1.8403000E-01	9.3156000E-01
1.5257000E+03	7.6835000E-01	2.3979000E-01	1.8424000E-01	9.3260000E-01
1.5258000E+03	7.6867000E-01	2.3997000E-01	1.8446000E-01	9.3370000E-01
1.5259000E+03	7.6905000E-01	2.4014000E-01	1.8468000E-01	9.3483000E-01
1.5260000E+03	7.6947000E-01	2.4032000E-01	1.8492000E-01	9.3603000E-01
1.5261000E+03	7.6994000E-01	2.4051000E-01	1.8518000E-01	9.3737000E-01
1.5262000E+03	7.7045000E-01	2.4071000E-01	1.8546000E-01	9.3876000E-01
1.5263000E+03	7.7099000E-01	2.4091000E-01	1.8574000E-01	9.4019000E-01
1.5264000E+03	7.7155000E-01	2.4111000E-01	1.8603000E-01	9.4165000E-01
1.5265000E+03	7.7214000E-01	2.4131000E-01	1.8632000E-01	9.4314000E-01
1.5266000E+03	7.7274000E-01	2.4150000E-01	1.8662000E-01	9.4465000E-01
1.5267000E+03	7.7335000E-01	2.4170000E-01	1.8692000E-01	9.4617000E-01
1.5268000E+03	7.7397000E-01	2.4190000E-01	1.8722000E-01	9.4769000E-01
1.5269000E+03	7.7459000E-01	2.4209000E-01	1.8752000E-01	9.4922000E-01
1.5270000E+03	7.7520000E-01	2.4229000E-01	1.8782000E-01	9.5074000E-01
1.5271000E+03	7.7579000E-01	2.4248000E-01	1.8812000E-01	9.5223000E-01
1.5272000E+03	7.7638000E-01	2.4268000E-01	1.8841000E-01	9.5371000E-01
1.5273000E+03	7.7695000E-01	2.4287000E-01	1.8870000E-01	9.5516000E-01
1.5274000E+03	7.7750000E-01	2.4306000E-01	1.8898000E-01	9.5659000E-01
1.5275000E+03	7.7803000E-01	2.4325000E-01	1.8926000E-01	9.5800000E-01
1.5276000E+03	7.7855000E-01	2.4344000E-01	1.8953000E-01	9.5938000E-01

1.5277000E+03	7.7904000E-01	2.4363000E-01	1.8980000E-01	9.6074000E-01
1.5278000E+03	7.7951000E-01	2.4377000E-01	1.9003000E-01	9.6189000E-01
1.5279000E+03	7.7997000E-01	2.4390000E-01	1.9024000E-01	9.6296000E-01
1.5280000E+03	7.8041000E-01	2.4403000E-01	1.9045000E-01	9.6402000E-01
1.5281000E+03	7.8084000E-01	2.4419000E-01	1.9067000E-01	9.6516000E-01
1.5282000E+03	7.8127000E-01	2.4434000E-01	1.9090000E-01	9.6630000E-01
1.5283000E+03	7.8168000E-01	2.4450000E-01	1.9112000E-01	9.6742000E-01
1.5284000E+03	7.8210000E-01	2.4465000E-01	1.9134000E-01	9.6854000E-01
1.5285000E+03	7.8251000E-01	2.4480000E-01	1.9156000E-01	9.6967000E-01
1.5286000E+03	7.8293000E-01	2.4496000E-01	1.9178000E-01	9.7079000E-01
1.5287000E+03	7.8336000E-01	2.4511000E-01	1.9201000E-01	9.7193000E-01
1.5288000E+03	7.8380000E-01	2.4526000E-01	1.9224000E-01	9.7307000E-01
1.5289000E+03	7.8425000E-01	2.4541000E-01	1.9246000E-01	9.7424000E-01
1.5290000E+03	7.8472000E-01	2.4556000E-01	1.9270000E-01	9.7542000E-01
1.5291000E+03	7.8521000E-01	2.4571000E-01	1.9293000E-01	9.7661000E-01
1.5292000E+03	7.8571000E-01	2.4586000E-01	1.9318000E-01	9.7783000E-01
1.5293000E+03	7.8624000E-01	2.4601000E-01	1.9342000E-01	9.7907000E-01
1.5294000E+03	7.8678000E-01	2.4616000E-01	1.9367000E-01	9.8033000E-01
1.5295000E+03	7.8734000E-01	2.4630000E-01	1.9392000E-01	9.8162000E-01
1.5296000E+03	7.8791000E-01	2.4645000E-01	1.9418000E-01	9.8292000E-01
1.5297000E+03	7.8851000E-01	2.4654000E-01	1.9440000E-01	9.8404000E-01
1.5298000E+03	7.8911000E-01	2.4659000E-01	1.9458000E-01	9.8497000E-01
1.5299000E+03	7.8973000E-01	2.4663000E-01	1.9477000E-01	9.8590000E-01
1.5300000E+03	7.9035000E-01	2.4667000E-01	1.9496000E-01	9.8685000E-01
1.5301000E+03	7.9098000E-01	2.4672000E-01	1.9515000E-01	9.8785000E-01
1.5302000E+03	7.9161000E-01	2.4678000E-01	1.9535000E-01	9.8884000E-01
1.5303000E+03	7.9223000E-01	2.4683000E-01	1.9555000E-01	9.8983000E-01
1.5304000E+03	7.9285000E-01	2.4688000E-01	1.9574000E-01	9.9081000E-01
1.5305000E+03	7.9345000E-01	2.4693000E-01	1.9593000E-01	9.9177000E-01
1.5306000E+03	7.9404000E-01	2.4698000E-01	1.9611000E-01	9.9271000E-01
1.5307000E+03	7.9461000E-01	2.4703000E-01	1.9630000E-01	9.9362000E-01
1.5308000E+03	7.9516000E-01	2.4708000E-01	1.9647000E-01	9.9451000E-01
1.5309000E+03	7.9568000E-01	2.4713000E-01	1.9664000E-01	9.9536000E-01
1.5310000E+03	7.9618000E-01	2.4718000E-01	1.9680000E-01	9.9617000E-01
1.5311000E+03	7.9664000E-01	2.4723000E-01	1.9695000E-01	9.9694000E-01
1.5312000E+03	7.9707000E-01	2.4727000E-01	1.9709000E-01	9.9767000E-01
1.5313000E+03	7.9747000E-01	2.4732000E-01	1.9723000E-01	9.9836000E-01
1.5314000E+03	7.9783000E-01	2.4737000E-01	1.9736000E-01	9.9899000E-01
1.5315000E+03	7.9816000E-01	2.4741000E-01	1.9747000E-01	9.9959000E-01
1.5316000E+03	7.9844000E-01	2.4742000E-01	1.9755000E-01	1.0000000E+00
1.5317000E+03	7.9870000E-01	2.4731000E-01	1.9752000E-01	9.9984000E-01
1.5318000E+03	7.9892000E-01	2.4719000E-01	1.9748000E-01	9.9964000E-01
1.5319000E+03	7.9911000E-01	2.4707000E-01	1.9744000E-01	9.9939000E-01

1.5320000E+03	7.9926000E-01	2.4695000E-01	1.9738000E-01	9.9911000E-01
1.5321000E+03	7.9938000E-01	2.4690000E-01	1.9737000E-01	9.9905000E-01
1.5322000E+03	7.9948000E-01	2.4685000E-01	1.9735000E-01	9.9896000E-01
1.5323000E+03	7.9955000E-01	2.4679000E-01	1.9732000E-01	9.9883000E-01
1.5324000E+03	7.9960000E-01	2.4674000E-01	1.9729000E-01	9.9868000E-01
1.5325000E+03	7.9963000E-01	2.4669000E-01	1.9726000E-01	9.9850000E-01
1.5326000E+03	7.9965000E-01	2.4663000E-01	1.9722000E-01	9.9829000E-01
1.5327000E+03	7.9965000E-01	2.4657000E-01	1.9717000E-01	9.9807000E-01
1.5328000E+03	7.9965000E-01	2.4652000E-01	1.9713000E-01	9.9784000E-01
1.5329000E+03	7.9963000E-01	2.4646000E-01	1.9708000E-01	9.9759000E-01
1.5330000E+03	7.9962000E-01	2.4641000E-01	1.9703000E-01	9.9735000E-01
1.5331000E+03	7.9961000E-01	2.4635000E-01	1.9698000E-01	9.9710000E-01
1.5332000E+03	7.9960000E-01	2.4629000E-01	1.9693000E-01	9.9686000E-01
1.5333000E+03	7.9960000E-01	2.4623000E-01	1.9689000E-01	9.9662000E-01
1.5334000E+03	7.9962000E-01	2.4617000E-01	1.9684000E-01	9.9640000E-01
1.5335000E+03	7.9964000E-01	2.4611000E-01	1.9680000E-01	9.9619000E-01
1.5336000E+03	7.9969000E-01	2.4592000E-01	1.9666000E-01	9.9547000E-01
1.5337000E+03	7.9975000E-01	2.4572000E-01	1.9651000E-01	9.9472000E-01
1.5338000E+03	7.9983000E-01	2.4551000E-01	1.9637000E-01	9.9398000E-01
1.5339000E+03	7.9993000E-01	2.4530000E-01	1.9623000E-01	9.9327000E-01
1.5340000E+03	8.0006000E-01	2.4509000E-01	1.9609000E-01	9.9259000E-01
1.5341000E+03	8.0021000E-01	2.4478000E-01	1.9588000E-01	9.9151000E-01
1.5342000E+03	8.0038000E-01	2.4447000E-01	1.9567000E-01	9.9046000E-01
1.5343000E+03	8.0058000E-01	2.4416000E-01	1.9547000E-01	9.8944000E-01
1.5344000E+03	8.0080000E-01	2.4385000E-01	1.9527000E-01	9.8845000E-01
1.5345000E+03	8.0103000E-01	2.4354000E-01	1.9508000E-01	9.8748000E-01
1.5346000E+03	8.0129000E-01	2.4323000E-01	1.9489000E-01	9.8653000E-01
1.5347000E+03	8.0156000E-01	2.4291000E-01	1.9471000E-01	9.8560000E-01
1.5348000E+03	8.0184000E-01	2.4260000E-01	1.9453000E-01	9.8468000E-01
1.5349000E+03	8.0213000E-01	2.4229000E-01	1.9435000E-01	9.8377000E-01
1.5350000E+03	8.0243000E-01	2.4198000E-01	1.9417000E-01	9.8287000E-01
1.5351000E+03	8.0272000E-01	2.4167000E-01	1.9399000E-01	9.8197000E-01
1.5352000E+03	8.0301000E-01	2.4136000E-01	1.9381000E-01	9.8105000E-01
1.5353000E+03	8.0329000E-01	2.4104000E-01	1.9363000E-01	9.8013000E-01
1.5354000E+03	8.0355000E-01	2.4073000E-01	1.9344000E-01	9.7918000E-01
1.5355000E+03	8.0379000E-01	2.4041000E-01	1.9324000E-01	9.7815000E-01
1.5356000E+03	8.0400000E-01	2.4008000E-01	1.9302000E-01	9.7705000E-01
1.5357000E+03	8.0417000E-01	2.3975000E-01	1.9280000E-01	9.7591000E-01
1.5358000E+03	8.0430000E-01	2.3941000E-01	1.9256000E-01	9.7471000E-01
1.5359000E+03	8.0438000E-01	2.3908000E-01	1.9231000E-01	9.7347000E-01
1.5360000E+03	8.0441000E-01	2.3875000E-01	1.9205000E-01	9.7215000E-01
1.5361000E+03	8.0437000E-01	2.3850000E-01	1.9184000E-01	9.7107000E-01
1.5362000E+03	8.0427000E-01	2.3824000E-01	1.9161000E-01	9.6991000E-01

1.5363000E+03	8.0411000E-01	2.3798000E-01	1.9136000E-01	9.6866000E-01
1.5364000E+03	8.0386000E-01	2.3773000E-01	1.9110000E-01	9.6733000E-01
1.5365000E+03	8.0354000E-01	2.3747000E-01	1.9082000E-01	9.6590000E-01
1.5366000E+03	8.0314000E-01	2.3721000E-01	1.9052000E-01	9.6438000E-01
1.5367000E+03	8.0266000E-01	2.3696000E-01	1.9020000E-01	9.6276000E-01
1.5368000E+03	8.0210000E-01	2.3670000E-01	1.8986000E-01	9.6104000E-01
1.5369000E+03	8.0145000E-01	2.3645000E-01	1.8950000E-01	9.5923000E-01
1.5370000E+03	8.0072000E-01	2.3619000E-01	1.8912000E-01	9.5732000E-01
1.5371000E+03	7.9992000E-01	2.3594000E-01	1.8873000E-01	9.5533000E-01
1.5372000E+03	7.9903000E-01	2.3568000E-01	1.8832000E-01	9.5325000E-01
1.5373000E+03	7.9807000E-01	2.3543000E-01	1.8789000E-01	9.5107000E-01
1.5374000E+03	7.9705000E-01	2.3522000E-01	1.8748000E-01	9.4902000E-01
1.5375000E+03	7.9596000E-01	2.3509000E-01	1.8712000E-01	9.4718000E-01
1.5376000E+03	7.9481000E-01	2.3495000E-01	1.8674000E-01	9.4528000E-01
1.5377000E+03	7.9362000E-01	2.3482000E-01	1.8636000E-01	9.4332000E-01
1.5378000E+03	7.9238000E-01	2.3469000E-01	1.8596000E-01	9.4131000E-01
1.5379000E+03	7.9111000E-01	2.3455000E-01	1.8556000E-01	9.3926000E-01
1.5380000E+03	7.8980000E-01	2.3442000E-01	1.8514000E-01	9.3718000E-01
1.5381000E+03	7.8848000E-01	2.3426000E-01	1.8471000E-01	9.3497000E-01
1.5382000E+03	7.8715000E-01	2.3410000E-01	1.8427000E-01	9.3275000E-01
1.5383000E+03	7.8582000E-01	2.3393000E-01	1.8383000E-01	9.3053000E-01
1.5384000E+03	7.8449000E-01	2.3377000E-01	1.8339000E-01	9.2832000E-01
1.5385000E+03	7.8317000E-01	2.3361000E-01	1.8296000E-01	9.2612000E-01
1.5386000E+03	7.8188000E-01	2.3345000E-01	1.8253000E-01	9.2395000E-01
1.5387000E+03	7.8060000E-01	2.3329000E-01	1.8211000E-01	9.2182000E-01
1.5388000E+03	7.7936000E-01	2.3313000E-01	1.8169000E-01	9.1972000E-01
1.5389000E+03	7.7815000E-01	2.3297000E-01	1.8129000E-01	9.1766000E-01
1.5390000E+03	7.7698000E-01	2.3281000E-01	1.8089000E-01	9.1565000E-01
1.5391000E+03	7.7585000E-01	2.3266000E-01	1.8050000E-01	9.1370000E-01
1.5392000E+03	7.7476000E-01	2.3250000E-01	1.8013000E-01	9.1179000E-01
1.5393000E+03	7.7372000E-01	2.3235000E-01	1.7978000E-01	9.1001000E-01
1.5394000E+03	7.7272000E-01	2.3237000E-01	1.7955000E-01	9.0887000E-01
1.5395000E+03	7.7176000E-01	2.3238000E-01	1.7934000E-01	9.0779000E-01
1.5396000E+03	7.7084000E-01	2.3239000E-01	1.7914000E-01	9.0676000E-01
1.5397000E+03	7.6997000E-01	2.3240000E-01	1.7894000E-01	9.0578000E-01
1.5398000E+03	7.6913000E-01	2.3241000E-01	1.7875000E-01	9.0483000E-01
1.5399000E+03	7.6832000E-01	2.3242000E-01	1.7857000E-01	9.0392000E-01
1.5400000E+03	7.6753000E-01	2.3243000E-01	1.7840000E-01	9.0305000E-01
1.5401000E+03	7.6678000E-01	2.3246000E-01	1.7824000E-01	9.0224000E-01
1.5402000E+03	7.6603000E-01	2.3248000E-01	1.7809000E-01	9.0145000E-01
1.5403000E+03	7.6530000E-01	2.3250000E-01	1.7793000E-01	9.0068000E-01
1.5404000E+03	7.6458000E-01	2.3252000E-01	1.7778000E-01	8.9991000E-01
1.5405000E+03	7.6385000E-01	2.3255000E-01	1.7763000E-01	8.9915000E-01

1.5406000E+03	7.6312000E-01	2.3257000E-01	1.7748000E-01	8.9838000E-01
1.5407000E+03	7.6238000E-01	2.3259000E-01	1.7732000E-01	8.9760000E-01
1.5408000E+03	7.6162000E-01	2.3262000E-01	1.7717000E-01	8.9680000E-01
1.5409000E+03	7.6085000E-01	2.3264000E-01	1.7700000E-01	8.9597000E-01
1.5410000E+03	7.6005000E-01	2.3266000E-01	1.7684000E-01	8.9512000E-01
1.5411000E+03	7.5922000E-01	2.3269000E-01	1.7666000E-01	8.9424000E-01
1.5412000E+03	7.5836000E-01	2.3271000E-01	1.7648000E-01	8.9331000E-01
1.5413000E+03	7.5747000E-01	2.3288000E-01	1.7639000E-01	8.9289000E-01
1.5414000E+03	7.5653000E-01	2.3308000E-01	1.7633000E-01	8.9256000E-01
1.5415000E+03	7.5556000E-01	2.3328000E-01	1.7625000E-01	8.9217000E-01
1.5416000E+03	7.5454000E-01	2.3348000E-01	1.7617000E-01	8.9174000E-01
1.5417000E+03	7.5348000E-01	2.3368000E-01	1.7607000E-01	8.9125000E-01
1.5418000E+03	7.5237000E-01	2.3388000E-01	1.7596000E-01	8.9071000E-01
1.5419000E+03	7.5122000E-01	2.3408000E-01	1.7584000E-01	8.9011000E-01
1.5420000E+03	7.5002000E-01	2.3428000E-01	1.7572000E-01	8.8945000E-01
1.5421000E+03	7.4877000E-01	2.3448000E-01	1.7557000E-01	8.8873000E-01
1.5422000E+03	7.4747000E-01	2.3468000E-01	1.7542000E-01	8.8794000E-01
1.5423000E+03	7.4612000E-01	2.3488000E-01	1.7525000E-01	8.8709000E-01
1.5424000E+03	7.4472000E-01	2.3508000E-01	1.7507000E-01	8.8617000E-01
1.5425000E+03	7.4328000E-01	2.3528000E-01	1.7488000E-01	8.8520000E-01
1.5426000E+03	7.4177000E-01	2.3548000E-01	1.7467000E-01	8.8416000E-01
1.5427000E+03	7.4022000E-01	2.3567000E-01	1.7445000E-01	8.8305000E-01
1.5428000E+03	7.3862000E-01	2.3587000E-01	1.7422000E-01	8.8188000E-01
1.5429000E+03	7.3696000E-01	2.3607000E-01	1.7398000E-01	8.8065000E-01
1.5430000E+03	7.3525000E-01	2.3627000E-01	1.7372000E-01	8.7934000E-01
1.5431000E+03	7.3348000E-01	2.3647000E-01	1.7345000E-01	8.7797000E-01
1.5432000E+03	7.3166000E-01	2.3675000E-01	1.7322000E-01	8.7682000E-01
1.5433000E+03	7.2978000E-01	2.3710000E-01	1.7303000E-01	8.7588000E-01
1.5434000E+03	7.2785000E-01	2.3746000E-01	1.7283000E-01	8.7487000E-01
1.5435000E+03	7.2587000E-01	2.3781000E-01	1.7262000E-01	8.7378000E-01
1.5436000E+03	7.2383000E-01	2.3817000E-01	1.7239000E-01	8.7263000E-01
1.5437000E+03	7.2174000E-01	2.3852000E-01	1.7215000E-01	8.7140000E-01
1.5438000E+03	7.1959000E-01	2.3888000E-01	1.7189000E-01	8.7010000E-01
1.5439000E+03	7.1739000E-01	2.3923000E-01	1.7162000E-01	8.6873000E-01
1.5440000E+03	7.1515000E-01	2.3958000E-01	1.7134000E-01	8.6730000E-01
1.5441000E+03	7.1286000E-01	2.3990000E-01	1.7101000E-01	8.6565000E-01
1.5442000E+03	7.1053000E-01	2.4021000E-01	1.7068000E-01	8.6395000E-01
1.5443000E+03	7.0816000E-01	2.4053000E-01	1.7033000E-01	8.6220000E-01
1.5444000E+03	7.0575000E-01	2.4084000E-01	1.6997000E-01	8.6039000E-01
1.5445000E+03	7.0332000E-01	2.4115000E-01	1.6961000E-01	8.5853000E-01
1.5446000E+03	7.0086000E-01	2.4147000E-01	1.6923000E-01	8.5664000E-01
1.5447000E+03	6.9838000E-01	2.4178000E-01	1.6885000E-01	8.5471000E-01
1.5448000E+03	6.9589000E-01	2.4209000E-01	1.6847000E-01	8.5277000E-01

1.5449000E+03	6.9339000E-01	2.4240000E-01	1.6808000E-01	8.5080000E-01
1.5450000E+03	6.9089000E-01	2.4272000E-01	1.6769000E-01	8.4883000E-01
1.5451000E+03	6.8840000E-01	2.4303000E-01	1.6730000E-01	8.4687000E-01
1.5452000E+03	6.8591000E-01	2.4337000E-01	1.6693000E-01	8.4500000E-01
1.5453000E+03	6.8345000E-01	2.4371000E-01	1.6657000E-01	8.4314000E-01
1.5454000E+03	6.8101000E-01	2.4405000E-01	1.6620000E-01	8.4130000E-01
1.5455000E+03	6.7859000E-01	2.4440000E-01	1.6584000E-01	8.3949000E-01
1.5456000E+03	6.7621000E-01	2.4473000E-01	1.6549000E-01	8.3770000E-01
1.5457000E+03	6.7387000E-01	2.4507000E-01	1.6515000E-01	8.3596000E-01
1.5458000E+03	6.7156000E-01	2.4541000E-01	1.6481000E-01	8.3425000E-01
1.5459000E+03	6.6930000E-01	2.4575000E-01	1.6448000E-01	8.3259000E-01
1.5460000E+03	6.6708000E-01	2.4609000E-01	1.6416000E-01	8.3098000E-01
1.5461000E+03	6.6491000E-01	2.4640000E-01	1.6384000E-01	8.2932000E-01
1.5462000E+03	6.6278000E-01	2.4671000E-01	1.6352000E-01	8.2771000E-01
1.5463000E+03	6.6070000E-01	2.4703000E-01	1.6321000E-01	8.2615000E-01
1.5464000E+03	6.5867000E-01	2.4734000E-01	1.6291000E-01	8.2464000E-01
1.5465000E+03	6.5667000E-01	2.4764000E-01	1.6262000E-01	8.2317000E-01
1.5466000E+03	6.5472000E-01	2.4795000E-01	1.6234000E-01	8.2174000E-01
1.5467000E+03	6.5280000E-01	2.4826000E-01	1.6207000E-01	8.2036000E-01
1.5468000E+03	6.5092000E-01	2.4857000E-01	1.6180000E-01	8.1901000E-01
1.5469000E+03	6.4906000E-01	2.4888000E-01	1.6154000E-01	8.1769000E-01
1.5470000E+03	6.4723000E-01	2.4919000E-01	1.6128000E-01	8.1639000E-01
1.5471000E+03	6.4542000E-01	2.4938000E-01	1.6095000E-01	8.1473000E-01
1.5472000E+03	6.4363000E-01	2.4955000E-01	1.6062000E-01	8.1305000E-01
1.5473000E+03	6.4186000E-01	2.4973000E-01	1.6029000E-01	8.1139000E-01
1.5474000E+03	6.4010000E-01	2.4991000E-01	1.5997000E-01	8.0973000E-01
1.5475000E+03	6.3836000E-01	2.5008000E-01	1.5964000E-01	8.0808000E-01
1.5476000E+03	6.3662000E-01	2.5026000E-01	1.5932000E-01	8.0645000E-01
1.5477000E+03	6.3489000E-01	2.5043000E-01	1.5900000E-01	8.0482000E-01
1.5478000E+03	6.3317000E-01	2.5060000E-01	1.5868000E-01	8.0320000E-01
1.5479000E+03	6.3147000E-01	2.5078000E-01	1.5836000E-01	8.0159000E-01
1.5480000E+03	6.2977000E-01	2.5095000E-01	1.5804000E-01	7.9999000E-01
1.5481000E+03	6.2810000E-01	2.5112000E-01	1.5773000E-01	7.9839000E-01
1.5482000E+03	6.2645000E-01	2.5128000E-01	1.5742000E-01	7.9682000E-01
1.5483000E+03	6.2483000E-01	2.5145000E-01	1.5711000E-01	7.9528000E-01
1.5484000E+03	6.2325000E-01	2.5161000E-01	1.5681000E-01	7.9378000E-01
1.5485000E+03	6.2170000E-01	2.5177000E-01	1.5653000E-01	7.9233000E-01
1.5486000E+03	6.2021000E-01	2.5194000E-01	1.5625000E-01	7.9094000E-01
1.5487000E+03	6.1878000E-01	2.5210000E-01	1.5599000E-01	7.8963000E-01
1.5488000E+03	6.1742000E-01	2.5226000E-01	1.5575000E-01	7.8840000E-01
1.5489000E+03	6.1614000E-01	2.5242000E-01	1.5553000E-01	7.8727000E-01
1.5490000E+03	6.1495000E-01	2.5245000E-01	1.5524000E-01	7.8581000E-01
1.5491000E+03	6.1385000E-01	2.5237000E-01	1.5492000E-01	7.8418000E-01

1.5492000E+03	6.1286000E-01	2.5230000E-01	1.5462000E-01	7.8269000E-01
1.5493000E+03	6.1199000E-01	2.5223000E-01	1.5436000E-01	7.8135000E-01
1.5494000E+03	6.1124000E-01	2.5215000E-01	1.5413000E-01	7.8017000E-01
1.5495000E+03	6.1063000E-01	2.5208000E-01	1.5393000E-01	7.7916000E-01
1.5496000E+03	6.1015000E-01	2.5200000E-01	1.5376000E-01	7.7832000E-01
1.5497000E+03	6.0982000E-01	2.5193000E-01	1.5363000E-01	7.7766000E-01
1.5498000E+03	6.0963000E-01	2.5185000E-01	1.5354000E-01	7.7719000E-01
1.5499000E+03	6.0960000E-01	2.5178000E-01	1.5348000E-01	7.7692000E-01
1.5500000E+03	6.0972000E-01	2.5170000E-01	1.5347000E-01	7.7683000E-01
1.5501000E+03	6.0999000E-01	2.5158000E-01	1.5346000E-01	7.7682000E-01
1.5502000E+03	6.1042000E-01	2.5147000E-01	1.5350000E-01	7.7700000E-01
1.5503000E+03	6.1100000E-01	2.5135000E-01	1.5357000E-01	7.7737000E-01
1.5504000E+03	6.1172000E-01	2.5123000E-01	1.5368000E-01	7.7793000E-01
1.5505000E+03	6.1259000E-01	2.5111000E-01	1.5383000E-01	7.7867000E-01
1.5506000E+03	6.1360000E-01	2.5100000E-01	1.5401000E-01	7.7958000E-01
1.5507000E+03	6.1474000E-01	2.5088000E-01	1.5422000E-01	7.8066000E-01
1.5508000E+03	6.1600000E-01	2.5076000E-01	1.5447000E-01	7.8190000E-01
1.5509000E+03	6.1739000E-01	2.5057000E-01	1.5470000E-01	7.8307000E-01
1.5510000E+03	6.1888000E-01	2.5022000E-01	1.5486000E-01	7.8386000E-01
1.5511000E+03	6.2047000E-01	2.4987000E-01	1.5504000E-01	7.8478000E-01
1.5512000E+03	6.2216000E-01	2.4952000E-01	1.5524000E-01	7.8580000E-01
1.5513000E+03	6.2394000E-01	2.4916000E-01	1.5546000E-01	7.8693000E-01
1.5514000E+03	6.2579000E-01	2.4881000E-01	1.5570000E-01	7.8815000E-01
1.5515000E+03	6.2771000E-01	2.4846000E-01	1.5596000E-01	7.8945000E-01
1.5516000E+03	6.2968000E-01	2.4811000E-01	1.5623000E-01	7.9082000E-01
1.5517000E+03	6.3171000E-01	2.4776000E-01	1.5651000E-01	7.9224000E-01
1.5518000E+03	6.3379000E-01	2.4740000E-01	1.5680000E-01	7.9371000E-01
1.5519000E+03	6.3590000E-01	2.4705000E-01	1.5710000E-01	7.9522000E-01
1.5520000E+03	6.3803000E-01	2.4670000E-01	1.5740000E-01	7.9675000E-01
1.5521000E+03	6.4020000E-01	2.4637000E-01	1.5773000E-01	7.9839000E-01
1.5522000E+03	6.4237000E-01	2.4605000E-01	1.5805000E-01	8.0004000E-01
1.5523000E+03	6.4455000E-01	2.4572000E-01	1.5838000E-01	8.0170000E-01
1.5524000E+03	6.4673000E-01	2.4539000E-01	1.5870000E-01	8.0334000E-01
1.5525000E+03	6.4890000E-01	2.4507000E-01	1.5902000E-01	8.0497000E-01
1.5526000E+03	6.5106000E-01	2.4474000E-01	1.5934000E-01	8.0657000E-01
1.5527000E+03	6.5320000E-01	2.4441000E-01	1.5965000E-01	8.0813000E-01
1.5528000E+03	6.5530000E-01	2.4407000E-01	1.5994000E-01	8.0960000E-01
1.5529000E+03	6.5735000E-01	2.4363000E-01	1.6015000E-01	8.1067000E-01
1.5530000E+03	6.5935000E-01	2.4319000E-01	1.6035000E-01	8.1166000E-01
1.5531000E+03	6.6128000E-01	2.4275000E-01	1.6052000E-01	8.1255000E-01
1.5532000E+03	6.6314000E-01	2.4230000E-01	1.6068000E-01	8.1334000E-01
1.5533000E+03	6.6489000E-01	2.4186000E-01	1.6081000E-01	8.1400000E-01
1.5534000E+03	6.6654000E-01	2.4141000E-01	1.6091000E-01	8.1452000E-01

1.5535000E+03	6.6805000E-01	2.4097000E-01	1.6098000E-01	8.1487000E-01
1.5536000E+03	6.6942000E-01	2.4053000E-01	1.6101000E-01	8.1503000E-01
1.5537000E+03	6.7062000E-01	2.4009000E-01	1.6101000E-01	8.1499000E-01
1.5538000E+03	6.7163000E-01	2.3964000E-01	1.6095000E-01	8.1472000E-01
1.5539000E+03	6.7242000E-01	2.3920000E-01	1.6085000E-01	8.1418000E-01
1.5540000E+03	6.7299000E-01	2.3876000E-01	1.6068000E-01	8.1336000E-01
1.5541000E+03	6.7330000E-01	2.3830000E-01	1.6044000E-01	8.1215000E-01
1.5542000E+03	6.7332000E-01	2.3784000E-01	1.6014000E-01	8.1061000E-01
1.5543000E+03	6.7304000E-01	2.3737000E-01	1.5976000E-01	8.0869000E-01
1.5544000E+03	6.7243000E-01	2.3691000E-01	1.5931000E-01	8.0639000E-01
1.5545000E+03	6.7147000E-01	2.3645000E-01	1.5877000E-01	8.0366000E-01
1.5546000E+03	6.7013000E-01	2.3599000E-01	1.5814000E-01	8.0050000E-01
1.5547000E+03	6.6840000E-01	2.3553000E-01	1.5742000E-01	7.9687000E-01
1.5548000E+03	6.6625000E-01	2.3511000E-01	1.5664000E-01	7.9292000E-01
1.5549000E+03	6.6366000E-01	2.3472000E-01	1.5577000E-01	7.8850000E-01
1.5550000E+03	6.6063000E-01	2.3432000E-01	1.5480000E-01	7.8356000E-01
1.5551000E+03	6.5713000E-01	2.3392000E-01	1.5372000E-01	7.7809000E-01
1.5552000E+03	6.5316000E-01	2.3352000E-01	1.5253000E-01	7.7208000E-01
1.5553000E+03	6.4870000E-01	2.3313000E-01	1.5123000E-01	7.6551000E-01
1.5554000E+03	6.4375000E-01	2.3273000E-01	1.4982000E-01	7.5838000E-01
1.5555000E+03	6.3832000E-01	2.3233000E-01	1.4830000E-01	7.5069000E-01
1.5556000E+03	6.3239000E-01	2.3194000E-01	1.4667000E-01	7.4245000E-01
1.5557000E+03	6.2597000E-01	2.3154000E-01	1.4494000E-01	7.3366000E-01
1.5558000E+03	6.1908000E-01	2.3115000E-01	1.4310000E-01	7.2434000E-01
1.5559000E+03	6.1171000E-01	2.3075000E-01	1.4115000E-01	7.1450000E-01
1.5560000E+03	6.0389000E-01	2.3036000E-01	1.3911000E-01	7.0416000E-01
1.5561000E+03	5.9563000E-01	2.2993000E-01	1.3695000E-01	6.9323000E-01
1.5562000E+03	5.8695000E-01	2.2950000E-01	1.3470000E-01	6.8185000E-01
1.5563000E+03	5.7788000E-01	2.2907000E-01	1.3237000E-01	6.7005000E-01
1.5564000E+03	5.6842000E-01	2.2864000E-01	1.2996000E-01	6.5786000E-01
1.5565000E+03	5.5862000E-01	2.2821000E-01	1.2748000E-01	6.4530000E-01
1.5566000E+03	5.4850000E-01	2.2778000E-01	1.2494000E-01	6.3241000E-01
1.5567000E+03	5.3809000E-01	2.2746000E-01	1.2239000E-01	6.1953000E-01
1.5568000E+03	5.2742000E-01	2.2724000E-01	1.1985000E-01	6.0668000E-01
1.5569000E+03	5.1651000E-01	2.2703000E-01	1.1726000E-01	5.9358000E-01
1.5570000E+03	5.0540000E-01	2.2682000E-01	1.1464000E-01	5.8027000E-01
1.5571000E+03	4.9413000E-01	2.2661000E-01	1.1197000E-01	5.6680000E-01
1.5572000E+03	4.8272000E-01	2.2640000E-01	1.0928000E-01	5.5319000E-01
1.5573000E+03	4.7120000E-01	2.2618000E-01	1.0658000E-01	5.3948000E-01
1.5574000E+03	4.5959000E-01	2.2597000E-01	1.0386000E-01	5.2570000E-01
1.5575000E+03	4.4794000E-01	2.2576000E-01	1.0113000E-01	5.1190000E-01
1.5576000E+03	4.3627000E-01	2.2555000E-01	9.8400000E-02	4.9809000E-01
1.5577000E+03	4.2460000E-01	2.2534000E-01	9.5678000E-02	4.8431000E-01

1.5578000E+03	4.1295000E-01	2.2512000E-01	9.2966000E-02	4.7058000E-01
1.5579000E+03	4.0136000E-01	2.2491000E-01	9.0271000E-02	4.5694000E-01
1.5580000E+03	3.8983000E-01	2.2470000E-01	8.7596000E-02	4.4340000E-01
1.5581000E+03	3.7839000E-01	2.2451000E-01	8.4953000E-02	4.3002000E-01
1.5582000E+03	3.6706000E-01	2.2432000E-01	8.2338000E-02	4.1679000E-01
1.5583000E+03	3.5585000E-01	2.2413000E-01	7.9755000E-02	4.0371000E-01
1.5584000E+03	3.4477000E-01	2.2394000E-01	7.7207000E-02	3.9081000E-01
1.5585000E+03	3.3384000E-01	2.2374000E-01	7.4696000E-02	3.7810000E-01
1.5586000E+03	3.2308000E-01	2.2360000E-01	7.2239000E-02	3.6567000E-01
1.5587000E+03	3.1247000E-01	2.2364000E-01	6.9881000E-02	3.5373000E-01
1.5588000E+03	3.0205000E-01	2.2367000E-01	6.7561000E-02	3.4199000E-01
1.5589000E+03	2.9181000E-01	2.2371000E-01	6.5282000E-02	3.3045000E-01
1.5590000E+03	2.8176000E-01	2.2375000E-01	6.3044000E-02	3.1912000E-01
1.5591000E+03	2.7191000E-01	2.2379000E-01	6.0849000E-02	3.0801000E-01
1.5592000E+03	2.6225000E-01	2.2382000E-01	5.8698000E-02	2.9712000E-01
1.5593000E+03	2.5280000E-01	2.2386000E-01	5.6592000E-02	2.8646000E-01
1.5594000E+03	2.4356000E-01	2.2389000E-01	5.4532000E-02	2.7604000E-01
1.5595000E+03	2.3453000E-01	2.2393000E-01	5.2519000E-02	2.6585000E-01
1.5596000E+03	2.2572000E-01	2.2397000E-01	5.0553000E-02	2.5589000E-01
1.5597000E+03	2.1712000E-01	2.2400000E-01	4.8636000E-02	2.4619000E-01
1.5598000E+03	2.0875000E-01	2.2404000E-01	4.6767000E-02	2.3673000E-01
1.5599000E+03	2.0059000E-01	2.2407000E-01	4.4947000E-02	2.2752000E-01
1.5600000E+03	1.9266000E-01	2.2411000E-01	4.3177000E-02	2.1856000E-01
1.5601000E+03	1.8496000E-01	2.2410000E-01	4.1450000E-02	2.0982000E-01
1.5602000E+03	1.7748000E-01	2.2410000E-01	3.9774000E-02	2.0133000E-01
1.5603000E+03	1.7023000E-01	2.2410000E-01	3.8149000E-02	1.9311000E-01
1.5604000E+03	1.6321000E-01	2.2410000E-01	3.6575000E-02	1.8514000E-01
1.5605000E+03	1.5642000E-01	2.2409000E-01	3.5053000E-02	1.7744000E-01
1.5606000E+03	1.4986000E-01	2.2422000E-01	3.3601000E-02	1.7009000E-01
1.5607000E+03	1.4353000E-01	2.2435000E-01	3.2201000E-02	1.6300000E-01
1.5608000E+03	1.3742000E-01	2.2449000E-01	3.0849000E-02	1.5616000E-01
1.5609000E+03	1.3154000E-01	2.2463000E-01	2.9547000E-02	1.4956000E-01
1.5610000E+03	1.2588000E-01	2.2477000E-01	2.8293000E-02	1.4321000E-01
1.5611000E+03	1.2043000E-01	2.2490000E-01	2.7086000E-02	1.3711000E-01
1.5612000E+03	1.1521000E-01	2.2504000E-01	2.5926000E-02	1.3123000E-01
1.5613000E+03	1.1019000E-01	2.2517000E-01	2.4813000E-02	1.2560000E-01
1.5614000E+03	1.0538000E-01	2.2531000E-01	2.3744000E-02	1.2019000E-01
1.5615000E+03	1.0077000E-01	2.2544000E-01	2.2718000E-02	1.1500000E-01
1.5616000E+03	9.6355000E-02	2.2558000E-01	2.1736000E-02	1.1002000E-01
1.5617000E+03	9.2125000E-02	2.2571000E-01	2.0794000E-02	1.0526000E-01
1.5618000E+03	8.8075000E-02	2.2585000E-01	1.9891000E-02	1.0069000E-01
1.5619000E+03	8.4198000E-02	2.2598000E-01	1.9027000E-02	9.6313000E-02
1.5620000E+03	8.0486000E-02	2.2611000E-01	1.8199000E-02	9.2121000E-02

1.5621000E+03	7.6932000E-02	2.2625000E-01	1.7406000E-02	8.8109000E-02
1.5622000E+03	7.3528000E-02	2.2640000E-01	1.6647000E-02	8.4263000E-02
1.5623000E+03	7.0268000E-02	2.2654000E-01	1.5918000E-02	8.0577000E-02
1.5624000E+03	6.7143000E-02	2.2668000E-01	1.5220000E-02	7.7042000E-02
1.5625000E+03	6.4148000E-02	2.2686000E-01	1.4552000E-02	7.3663000E-02
1.5626000E+03	6.1275000E-02	2.2706000E-01	1.3913000E-02	7.0426000E-02
1.5627000E+03	5.8519000E-02	2.2726000E-01	1.3299000E-02	6.7319000E-02
1.5628000E+03	5.5875000E-02	2.2746000E-01	1.2710000E-02	6.4334000E-02
1.5629000E+03	5.3339000E-02	2.2766000E-01	1.2143000E-02	6.1467000E-02
1.5630000E+03	5.0905000E-02	2.2786000E-01	1.1599000E-02	5.8714000E-02
1.5631000E+03	4.9056000E-02	2.2806000E-01	1.1188000E-02	5.6631000E-02
1.5632000E+03	4.6806000E-02	2.2826000E-01	1.0684000E-02	5.4080000E-02
1.5633000E+03	4.4652000E-02	2.2846000E-01	1.0201000E-02	5.1636000E-02
1.5634000E+03	4.2593000E-02	2.2865000E-01	9.7389000E-03	4.9297000E-02
1.5635000E+03	4.0626000E-02	2.2885000E-01	9.2972000E-03	4.7061000E-02
1.5636000E+03	3.8751000E-02	2.2905000E-01	8.8757000E-03	4.4928000E-02
1.5637000E+03	3.6966000E-02	2.2924000E-01	8.4741000E-03	4.2895000E-02
1.5638000E+03	3.5270000E-02	2.2944000E-01	8.0923000E-03	4.0962000E-02
1.5639000E+03	3.3662000E-02	2.2964000E-01	7.7301000E-03	3.9129000E-02
1.5640000E+03	3.2143000E-02	2.2983000E-01	7.3874000E-03	3.7394000E-02
1.5641000E+03	3.0709000E-02	2.3005000E-01	7.0647000E-03	3.5761000E-02
1.5642000E+03	2.9361000E-02	2.3027000E-01	6.7610000E-03	3.4223000E-02
1.5643000E+03	2.8097000E-02	2.3049000E-01	6.4761000E-03	3.2781000E-02
1.5644000E+03	2.6916000E-02	2.3070000E-01	6.2094000E-03	3.1431000E-02
1.5645000E+03	2.5815000E-02	2.3087000E-01	5.9599000E-03	3.0168000E-02
1.5646000E+03	2.4791000E-02	2.3105000E-01	5.7281000E-03	2.8995000E-02
1.5647000E+03	2.3843000E-02	2.3123000E-01	5.5132000E-03	2.7907000E-02
1.5648000E+03	2.2966000E-02	2.3141000E-01	5.3145000E-03	2.6901000E-02
1.5649000E+03	2.2156000E-02	2.3158000E-01	5.1311000E-03	2.5973000E-02
1.5650000E+03	2.1410000E-02	2.3176000E-01	4.9621000E-03	2.5117000E-02
1.5651000E+03	2.0723000E-02	2.3194000E-01	4.8063000E-03	2.4329000E-02
1.5652000E+03	2.0089000E-02	2.3211000E-01	4.6628000E-03	2.3602000E-02
1.5653000E+03	1.9502000E-02	2.3228000E-01	4.5301000E-03	2.2931000E-02
1.5654000E+03	1.8958000E-02	2.3246000E-01	4.4070000E-03	2.2308000E-02
1.5655000E+03	1.8451000E-02	2.3263000E-01	4.2922000E-03	2.1727000E-02
1.5656000E+03	1.7973000E-02	2.3281000E-01	4.1843000E-03	2.1180000E-02
1.5657000E+03	1.7521000E-02	2.3298000E-01	4.0820000E-03	2.0662000E-02
1.5658000E+03	1.7087000E-02	2.3315000E-01	3.9838000E-03	2.0166000E-02
1.5659000E+03	1.6666000E-02	2.3333000E-01	3.8886000E-03	1.9684000E-02
1.5660000E+03	1.6253000E-02	2.3350000E-01	3.7952000E-03	1.9211000E-02
1.5661000E+03	1.5844000E-02	2.3365000E-01	3.7019000E-03	1.8739000E-02
1.5662000E+03	1.5434000E-02	2.3379000E-01	3.6083000E-03	1.8265000E-02
1.5663000E+03	1.5019000E-02	2.3394000E-01	3.5134000E-03	1.7785000E-02

1.5664000E+03	1.4596000E-02	2.3392000E-01	3.4143000E-03	1.7283000E-02
1.5665000E+03	1.4164000E-02	2.3390000E-01	3.3129000E-03	1.6769000E-02
1.5666000E+03	1.3719000E-02	2.3388000E-01	3.2087000E-03	1.6242000E-02
1.5667000E+03	1.3263000E-02	2.3386000E-01	3.1017000E-03	1.5700000E-02
1.5668000E+03	1.2794000E-02	2.3385000E-01	2.9917000E-03	1.5144000E-02
1.5669000E+03	1.2313000E-02	2.3383000E-01	2.8790000E-03	1.4573000E-02
1.5670000E+03	1.1821000E-02	2.3381000E-01	2.7639000E-03	1.3991000E-02
1.5671000E+03	1.1321000E-02	2.3379000E-01	2.6468000E-03	1.3398000E-02
1.5672000E+03	1.0816000E-02	2.3377000E-01	2.5284000E-03	1.2799000E-02
1.5673000E+03	1.0308000E-02	2.3374000E-01	2.4094000E-03	1.2196000E-02
1.5674000E+03	9.8005000E-03	2.3372000E-01	2.2906000E-03	1.1595000E-02
1.5675000E+03	9.2978000E-03	2.3370000E-01	2.1729000E-03	1.0999000E-02
1.5676000E+03	8.8039000E-03	2.3368000E-01	2.0573000E-03	1.0414000E-02
1.5677000E+03	8.3227000E-03	2.3366000E-01	1.9447000E-03	9.8436000E-03
1.5678000E+03	7.8583000E-03	2.3363000E-01	1.8360000E-03	9.2935000E-03
1.5679000E+03	7.4147000E-03	2.3361000E-01	1.7322000E-03	8.7680000E-03
1.5680000E+03	6.9953000E-03	2.3359000E-01	1.6340000E-03	8.2713000E-03
1.5681000E+03	6.6035000E-03	2.3361000E-01	1.5427000E-03	7.8087000E-03
1.5682000E+03	6.2421000E-03	2.3363000E-01	1.4584000E-03	7.3820000E-03
1.5683000E+03	5.9134000E-03	2.3354000E-01	1.3810000E-03	6.9904000E-03
1.5684000E+03	5.6190000E-03	2.3339000E-01	1.3114000E-03	6.6383000E-03
1.5685000E+03	5.3602000E-03	2.3324000E-01	1.2502000E-03	6.3285000E-03
1.5686000E+03	5.1372000E-03	2.3310000E-01	1.1975000E-03	6.0615000E-03
1.5687000E+03	4.9500000E-03	2.3295000E-01	1.1531000E-03	5.8370000E-03
1.5688000E+03	4.7977000E-03	2.3281000E-01	1.1169000E-03	5.6538000E-03
1.5689000E+03	4.6787000E-03	2.3266000E-01	1.0886000E-03	5.5102000E-03
1.5690000E+03	4.5911000E-03	2.3252000E-01	1.0675000E-03	5.4036000E-03
1.5691000E+03	4.5320000E-03	2.3237000E-01	1.0531000E-03	5.3307000E-03
1.5692000E+03	4.4985000E-03	2.3222000E-01	1.0446000E-03	5.2878000E-03
1.5693000E+03	4.4869000E-03	2.3207000E-01	1.0413000E-03	5.2709000E-03
1.5694000E+03	4.4934000E-03	2.3192000E-01	1.0421000E-03	5.2751000E-03
1.5695000E+03	4.5138000E-03	2.3177000E-01	1.0462000E-03	5.2957000E-03
1.5696000E+03	4.5440000E-03	2.3163000E-01	1.0525000E-03	5.3277000E-03
1.5697000E+03	4.5796000E-03	2.3148000E-01	1.0601000E-03	5.3659000E-03
1.5698000E+03	4.6163000E-03	2.3133000E-01	1.0679000E-03	5.4054000E-03
1.5699000E+03	4.6501000E-03	2.3118000E-01	1.0750000E-03	5.4415000E-03
1.5700000E+03	4.6772000E-03	2.3103000E-01	1.0806000E-03	5.4697000E-03
1.5701000E+03	4.6942000E-03	2.3084000E-01	1.0836000E-03	5.4850000E-03
1.5702000E+03	4.6980000E-03	2.3063000E-01	1.0835000E-03	5.4845000E-03
1.5703000E+03	4.6861000E-03	2.3039000E-01	1.0796000E-03	5.4649000E-03
1.5704000E+03	4.6566000E-03	2.3015000E-01	1.0717000E-03	5.4248000E-03
1.5705000E+03	4.6081000E-03	2.2991000E-01	1.0594000E-03	5.3628000E-03
1.5706000E+03	4.5399000E-03	2.2967000E-01	1.0427000E-03	5.2778000E-03

1.5707000E+03	4.4517000E-03	2.2943000E-01	1.0213000E-03	5.1699000E-03
1.5708000E+03	4.3441000E-03	2.2919000E-01	9.9561000E-04	5.0397000E-03
1.5709000E+03	4.2181000E-03	2.2895000E-01	9.6571000E-04	4.8883000E-03
1.5710000E+03	4.0751000E-03	2.2871000E-01	9.3199000E-04	4.7176000E-03
1.5711000E+03	3.9171000E-03	2.2846000E-01	8.9492000E-04	4.5300000E-03
1.5712000E+03	3.7466000E-03	2.2822000E-01	8.5507000E-04	4.3283000E-03
1.5713000E+03	3.5663000E-03	2.2798000E-01	8.1305000E-04	4.1156000E-03
1.5714000E+03	3.3790000E-03	2.2774000E-01	7.6954000E-04	3.8953000E-03
1.5715000E+03	3.1879000E-03	2.2750000E-01	7.2525000E-04	3.6711000E-03
1.5716000E+03	2.9960000E-03	2.2726000E-01	6.8087000E-04	3.4465000E-03
1.5717000E+03	2.8065000E-03	2.2702000E-01	6.3713000E-04	3.2251000E-03
1.5718000E+03	2.6224000E-03	2.2678000E-01	5.9470000E-04	3.0103000E-03
1.5719000E+03	2.4466000E-03	2.2653000E-01	5.5423000E-04	2.8054000E-03
1.5720000E+03	2.2816000E-03	2.2629000E-01	5.1630000E-04	2.6135000E-03
1.5721000E+03	2.1298000E-03	2.2610000E-01	4.8155000E-04	2.4375000E-03
1.5722000E+03	1.9933000E-03	2.2596000E-01	4.5041000E-04	2.2799000E-03
1.5723000E+03	1.8737000E-03	2.2583000E-01	4.2314000E-04	2.1419000E-03
1.5724000E+03	1.7723000E-03	2.2569000E-01	3.9999000E-04	2.0247000E-03
1.5725000E+03	1.6899000E-03	2.2556000E-01	3.8117000E-04	1.9294000E-03
1.5726000E+03	1.6269000E-03	2.2542000E-01	3.6674000E-04	1.8564000E-03
1.5727000E+03	1.5833000E-03	2.2528000E-01	3.5668000E-04	1.8055000E-03
1.5728000E+03	1.5584000E-03	2.2515000E-01	3.5087000E-04	1.7761000E-03
1.5729000E+03	1.5514000E-03	2.2501000E-01	3.4907000E-04	1.7670000E-03
1.5730000E+03	0.0000000E+00	2.2487000E-01	0.0000000E+00	0.0000000E+00
Channel 13				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.1653000E+03	0.0000000E+00	8.3246000E-01	0.0000000E+00	0.0000000E+00
2.1654000E+03	2.6727000E-03	8.3245000E-01	2.2249000E-03	4.0061000E-03
2.1655000E+03	2.7596000E-03	8.3245000E-01	2.2972000E-03	4.1362000E-03
2.1656000E+03	2.8483000E-03	8.3244000E-01	2.3710000E-03	4.2692000E-03
2.1657000E+03	2.9389000E-03	8.3243000E-01	2.4464000E-03	4.4049000E-03
2.1658000E+03	3.0314000E-03	8.3243000E-01	2.5234000E-03	4.5435000E-03
2.1659000E+03	3.1259000E-03	8.3242000E-01	2.6020000E-03	4.6851000E-03
2.1660000E+03	3.2224000E-03	8.3242000E-01	2.6824000E-03	4.8297000E-03
2.1661000E+03	3.3211000E-03	8.3245000E-01	2.7646000E-03	4.9779000E-03
2.1662000E+03	3.4221000E-03	8.3249000E-01	2.8489000E-03	5.1296000E-03
2.1663000E+03	3.5257000E-03	8.3253000E-01	2.9353000E-03	5.2851000E-03
2.1664000E+03	3.6320000E-03	8.3257000E-01	3.0239000E-03	5.4447000E-03
2.1665000E+03	3.7414000E-03	8.3261000E-01	3.1151000E-03	5.6089000E-03
2.1666000E+03	3.8540000E-03	8.3265000E-01	3.2091000E-03	5.7781000E-03

2.1667000E+03	3.9703000E-03	8.3269000E-01	3.3060000E-03	5.9527000E-03
2.1668000E+03	4.0906000E-03	8.3273000E-01	3.4063000E-03	6.1333000E-03
2.1669000E+03	4.2152000E-03	8.3277000E-01	3.5103000E-03	6.3204000E-03
2.1670000E+03	4.3445000E-03	8.3281000E-01	3.6182000E-03	6.5147000E-03
2.1671000E+03	4.4791000E-03	8.3285000E-01	3.7304000E-03	6.7167000E-03
2.1672000E+03	4.6192000E-03	8.3289000E-01	3.8473000E-03	6.9273000E-03
2.1673000E+03	4.7655000E-03	8.3293000E-01	3.9693000E-03	7.1470000E-03
2.1674000E+03	4.9183000E-03	8.3297000E-01	4.0968000E-03	7.3765000E-03
2.1675000E+03	5.0782000E-03	8.3301000E-01	4.2302000E-03	7.6167000E-03
2.1676000E+03	5.2457000E-03	8.3306000E-01	4.3700000E-03	7.8684000E-03
2.1677000E+03	5.4214000E-03	8.3310000E-01	4.5165000E-03	8.1322000E-03
2.1678000E+03	5.6056000E-03	8.3314000E-01	4.6703000E-03	8.4091000E-03
2.1679000E+03	5.7991000E-03	8.3318000E-01	4.8317000E-03	8.6997000E-03
2.1680000E+03	6.0023000E-03	8.3322000E-01	5.0012000E-03	9.0050000E-03
2.1681000E+03	6.2157000E-03	8.3324000E-01	5.1792000E-03	9.3254000E-03
2.1682000E+03	6.4400000E-03	8.3326000E-01	5.3662000E-03	9.6620000E-03
2.1683000E+03	6.6755000E-03	8.3328000E-01	5.5626000E-03	1.0016000E-02
2.1684000E+03	6.9229000E-03	8.3330000E-01	5.7688000E-03	1.0387000E-02
2.1685000E+03	7.1826000E-03	8.3331000E-01	5.9853000E-03	1.0777000E-02
2.1686000E+03	7.4550000E-03	8.3333000E-01	6.2125000E-03	1.1186000E-02
2.1687000E+03	7.7407000E-03	8.3335000E-01	6.4507000E-03	1.1615000E-02
2.1688000E+03	8.0401000E-03	8.3337000E-01	6.7004000E-03	1.2064000E-02
2.1689000E+03	8.3536000E-03	8.3339000E-01	6.9618000E-03	1.2535000E-02
2.1690000E+03	8.6815000E-03	8.3340000E-01	7.2352000E-03	1.3027000E-02
2.1691000E+03	9.0243000E-03	8.3343000E-01	7.5210000E-03	1.3542000E-02
2.1692000E+03	9.3821000E-03	8.3345000E-01	7.8195000E-03	1.4079000E-02
2.1693000E+03	9.7555000E-03	8.3347000E-01	8.1309000E-03	1.4640000E-02
2.1694000E+03	1.0145000E-02	8.3349000E-01	8.4554000E-03	1.5224000E-02
2.1695000E+03	1.0550000E-02	8.3351000E-01	8.7932000E-03	1.5833000E-02
2.1696000E+03	1.0971000E-02	8.3353000E-01	9.1445000E-03	1.6465000E-02
2.1697000E+03	1.1409000E-02	8.3356000E-01	9.5096000E-03	1.7123000E-02
2.1698000E+03	1.1863000E-02	8.3358000E-01	9.8887000E-03	1.7805000E-02
2.1699000E+03	1.2334000E-02	8.3360000E-01	1.0282000E-02	1.8513000E-02
2.1700000E+03	1.2823000E-02	8.3362000E-01	1.0689000E-02	1.9246000E-02
2.1701000E+03	1.3328000E-02	8.3360000E-01	1.1111000E-02	2.0005000E-02
2.1702000E+03	1.3852000E-02	8.3358000E-01	1.1547000E-02	2.0790000E-02
2.1703000E+03	1.4393000E-02	8.3356000E-01	1.1997000E-02	2.1602000E-02
2.1704000E+03	1.4952000E-02	8.3354000E-01	1.2463000E-02	2.2441000E-02
2.1705000E+03	1.5530000E-02	8.3352000E-01	1.2945000E-02	2.3308000E-02
2.1706000E+03	1.6127000E-02	8.3350000E-01	1.3442000E-02	2.4203000E-02
2.1707000E+03	1.6744000E-02	8.3348000E-01	1.3956000E-02	2.5128000E-02
2.1708000E+03	1.7380000E-02	8.3346000E-01	1.4486000E-02	2.6082000E-02
2.1709000E+03	1.8037000E-02	8.3344000E-01	1.5033000E-02	2.7067000E-02

2.1710000E+03	1.8715000E-02	8.3342000E-01	1.5597000E-02	2.8084000E-02
2.1711000E+03	1.9415000E-02	8.3338000E-01	1.6180000E-02	2.9133000E-02
2.1712000E+03	2.0138000E-02	8.3334000E-01	1.6782000E-02	3.0217000E-02
2.1713000E+03	2.0885000E-02	8.3330000E-01	1.7404000E-02	3.1336000E-02
2.1714000E+03	2.1658000E-02	8.3327000E-01	1.8046000E-02	3.2494000E-02
2.1715000E+03	2.2456000E-02	8.3323000E-01	1.8711000E-02	3.3690000E-02
2.1716000E+03	2.3282000E-02	8.3319000E-01	1.9399000E-02	3.4928000E-02
2.1717000E+03	2.4138000E-02	8.3315000E-01	2.0110000E-02	3.6210000E-02
2.1718000E+03	2.5024000E-02	8.3311000E-01	2.0848000E-02	3.7538000E-02
2.1719000E+03	2.5943000E-02	8.3307000E-01	2.1613000E-02	3.8915000E-02
2.1720000E+03	2.6897000E-02	8.3303000E-01	2.2406000E-02	4.0343000E-02
2.1721000E+03	2.7887000E-02	8.3301000E-01	2.3230000E-02	4.1827000E-02
2.1722000E+03	2.8917000E-02	8.3298000E-01	2.4087000E-02	4.3370000E-02
2.1723000E+03	2.9988000E-02	8.3295000E-01	2.4978000E-02	4.4974000E-02
2.1724000E+03	3.1102000E-02	8.3292000E-01	2.5906000E-02	4.6645000E-02
2.1725000E+03	3.2263000E-02	8.3289000E-01	2.6872000E-02	4.8384000E-02
2.1726000E+03	3.3474000E-02	8.3286000E-01	2.7879000E-02	5.0198000E-02
2.1727000E+03	3.4737000E-02	8.3283000E-01	2.8930000E-02	5.2090000E-02
2.1728000E+03	3.6056000E-02	8.3280000E-01	3.0027000E-02	5.4066000E-02
2.1729000E+03	3.7433000E-02	8.3278000E-01	3.1173000E-02	5.6129000E-02
2.1730000E+03	3.8872000E-02	8.3275000E-01	3.2370000E-02	5.8284000E-02
2.1731000E+03	4.0376000E-02	8.3272000E-01	3.3622000E-02	6.0537000E-02
2.1732000E+03	4.1949000E-02	8.3269000E-01	3.4930000E-02	6.2894000E-02
2.1733000E+03	4.3594000E-02	8.3266000E-01	3.6299000E-02	6.5358000E-02
2.1734000E+03	4.5316000E-02	8.3263000E-01	3.7731000E-02	6.7937000E-02
2.1735000E+03	4.7117000E-02	8.3260000E-01	3.9229000E-02	7.0634000E-02
2.1736000E+03	4.9001000E-02	8.3257000E-01	4.0797000E-02	7.3457000E-02
2.1737000E+03	5.0518000E-02	8.3254000E-01	4.2059000E-02	7.5729000E-02
2.1738000E+03	5.2562000E-02	8.3252000E-01	4.3758000E-02	7.8789000E-02
2.1739000E+03	5.4700000E-02	8.3249000E-01	4.5537000E-02	8.1991000E-02
2.1740000E+03	5.6936000E-02	8.3246000E-01	4.7397000E-02	8.5341000E-02
2.1741000E+03	5.9275000E-02	8.3245000E-01	4.9343000E-02	8.8845000E-02
2.1742000E+03	6.1719000E-02	8.3245000E-01	5.1378000E-02	9.2509000E-02
2.1743000E+03	6.4273000E-02	8.3245000E-01	5.3503000E-02	9.6336000E-02
2.1744000E+03	6.6939000E-02	8.3244000E-01	5.5723000E-02	1.0033000E-01
2.1745000E+03	6.9721000E-02	8.3244000E-01	5.8038000E-02	1.0450000E-01
2.1746000E+03	7.2622000E-02	8.3243000E-01	6.0453000E-02	1.0885000E-01
2.1747000E+03	7.5645000E-02	8.3243000E-01	6.2969000E-02	1.1338000E-01
2.1748000E+03	7.8793000E-02	8.3243000E-01	6.5590000E-02	1.1810000E-01
2.1749000E+03	8.2069000E-02	8.3242000E-01	6.8316000E-02	1.2301000E-01
2.1750000E+03	8.5473000E-02	8.3242000E-01	7.1150000E-02	1.2811000E-01
2.1751000E+03	8.9010000E-02	8.3241000E-01	7.4093000E-02	1.3341000E-01
2.1752000E+03	9.2680000E-02	8.3241000E-01	7.7148000E-02	1.3891000E-01

2.1753000E+03	9.6485000E-02	8.3241000E-01	8.0315000E-02	1.4461000E-01
2.1754000E+03	1.0043000E-01	8.3241000E-01	8.3596000E-02	1.5052000E-01
2.1755000E+03	1.0451000E-01	8.3240000E-01	8.6991000E-02	1.5663000E-01
2.1756000E+03	1.0872000E-01	8.3240000E-01	9.0500000E-02	1.6295000E-01
2.1757000E+03	1.1308000E-01	8.3240000E-01	9.4125000E-02	1.6948000E-01
2.1758000E+03	1.1757000E-01	8.3239000E-01	9.7864000E-02	1.7621000E-01
2.1759000E+03	1.2220000E-01	8.3239000E-01	1.0172000E-01	1.8315000E-01
2.1760000E+03	1.2697000E-01	8.3239000E-01	1.0569000E-01	1.9030000E-01
2.1761000E+03	1.3187000E-01	8.3237000E-01	1.0977000E-01	1.9764000E-01
2.1762000E+03	1.3691000E-01	8.3236000E-01	1.1396000E-01	2.0519000E-01
2.1763000E+03	1.4209000E-01	8.3235000E-01	1.1826000E-01	2.1294000E-01
2.1764000E+03	1.4739000E-01	8.3233000E-01	1.2268000E-01	2.2088000E-01
2.1765000E+03	1.5282000E-01	8.3232000E-01	1.2719000E-01	2.2902000E-01
2.1766000E+03	1.5838000E-01	8.3230000E-01	1.3182000E-01	2.3734000E-01
2.1767000E+03	1.6406000E-01	8.3229000E-01	1.3654000E-01	2.4585000E-01
2.1768000E+03	1.6986000E-01	8.3227000E-01	1.4137000E-01	2.5454000E-01
2.1769000E+03	1.7577000E-01	8.3226000E-01	1.4629000E-01	2.6340000E-01
2.1770000E+03	1.8180000E-01	8.3224000E-01	1.5130000E-01	2.7243000E-01
2.1771000E+03	1.8793000E-01	8.3223000E-01	1.5640000E-01	2.8161000E-01
2.1772000E+03	1.9417000E-01	8.3222000E-01	1.6159000E-01	2.9096000E-01
2.1773000E+03	2.0050000E-01	8.3221000E-01	1.6686000E-01	3.0044000E-01
2.1774000E+03	2.0693000E-01	8.3220000E-01	1.7221000E-01	3.1007000E-01
2.1775000E+03	2.1344000E-01	8.3219000E-01	1.7763000E-01	3.1983000E-01
2.1776000E+03	2.2004000E-01	8.3218000E-01	1.8311000E-01	3.2970000E-01
2.1777000E+03	2.2671000E-01	8.3217000E-01	1.8866000E-01	3.3969000E-01
2.1778000E+03	2.3345000E-01	8.3216000E-01	1.9427000E-01	3.4979000E-01
2.1779000E+03	2.4025000E-01	8.3215000E-01	1.9993000E-01	3.5998000E-01
2.1780000E+03	2.4711000E-01	8.3214000E-01	2.0563000E-01	3.7025000E-01
2.1781000E+03	2.5402000E-01	8.3213000E-01	2.1138000E-01	3.8060000E-01
2.1782000E+03	2.6098000E-01	8.3212000E-01	2.1716000E-01	3.9102000E-01
2.1783000E+03	2.6797000E-01	8.3212000E-01	2.2298000E-01	4.0149000E-01
2.1784000E+03	2.7499000E-01	8.3211000E-01	2.2882000E-01	4.1200000E-01
2.1785000E+03	2.8203000E-01	8.3210000E-01	2.3468000E-01	4.2255000E-01
2.1786000E+03	2.8909000E-01	8.3209000E-01	2.4055000E-01	4.3312000E-01
2.1787000E+03	2.9616000E-01	8.3208000E-01	2.4643000E-01	4.4371000E-01
2.1788000E+03	3.0323000E-01	8.3207000E-01	2.5231000E-01	4.5430000E-01
2.1789000E+03	3.1030000E-01	8.3206000E-01	2.5819000E-01	4.6489000E-01
2.1790000E+03	3.1736000E-01	8.3205000E-01	2.6406000E-01	4.7545000E-01
2.1791000E+03	3.2440000E-01	8.3204000E-01	2.6991000E-01	4.8599000E-01
2.1792000E+03	3.3141000E-01	8.3203000E-01	2.7575000E-01	4.9649000E-01
2.1793000E+03	3.3839000E-01	8.3202000E-01	2.8155000E-01	5.0695000E-01
2.1794000E+03	3.4534000E-01	8.3201000E-01	2.8733000E-01	5.1735000E-01
2.1795000E+03	3.5224000E-01	8.3200000E-01	2.9306000E-01	5.2768000E-01

2.1796000E+03	3.5909000E-01	8.3199000E-01	2.9876000E-01	5.3793000E-01
2.1797000E+03	3.6588000E-01	8.3198000E-01	3.0441000E-01	5.4810000E-01
2.1798000E+03	3.7261000E-01	8.3197000E-01	3.1000000E-01	5.5818000E-01
2.1799000E+03	3.7928000E-01	8.3196000E-01	3.1554000E-01	5.6815000E-01
2.1800000E+03	3.8587000E-01	8.3195000E-01	3.2102000E-01	5.7801000E-01
2.1801000E+03	3.9238000E-01	8.3192000E-01	3.2643000E-01	5.8775000E-01
2.1802000E+03	3.9880000E-01	8.3190000E-01	3.3176000E-01	5.9736000E-01
2.1803000E+03	4.0514000E-01	8.3188000E-01	3.3703000E-01	6.0683000E-01
2.1804000E+03	4.1138000E-01	8.3185000E-01	3.4221000E-01	6.1617000E-01
2.1805000E+03	4.1753000E-01	8.3183000E-01	3.4732000E-01	6.2536000E-01
2.1806000E+03	4.2358000E-01	8.3180000E-01	3.5233000E-01	6.3440000E-01
2.1807000E+03	4.2952000E-01	8.3178000E-01	3.5727000E-01	6.4328000E-01
2.1808000E+03	4.3535000E-01	8.3176000E-01	3.6211000E-01	6.5199000E-01
2.1809000E+03	4.4107000E-01	8.3173000E-01	3.6686000E-01	6.6054000E-01
2.1810000E+03	4.4668000E-01	8.3171000E-01	3.7151000E-01	6.6892000E-01
2.1811000E+03	4.5217000E-01	8.3168000E-01	3.7606000E-01	6.7712000E-01
2.1812000E+03	4.5754000E-01	8.3166000E-01	3.8052000E-01	6.8515000E-01
2.1813000E+03	4.6279000E-01	8.3164000E-01	3.8488000E-01	6.9299000E-01
2.1814000E+03	4.6792000E-01	8.3161000E-01	3.8913000E-01	7.0065000E-01
2.1815000E+03	4.7293000E-01	8.3159000E-01	3.9328000E-01	7.0812000E-01
2.1816000E+03	4.7780000E-01	8.3157000E-01	3.9733000E-01	7.1541000E-01
2.1817000E+03	4.8256000E-01	8.3154000E-01	4.0127000E-01	7.2250000E-01
2.1818000E+03	4.8719000E-01	8.3152000E-01	4.0511000E-01	7.2941000E-01
2.1819000E+03	4.9169000E-01	8.3149000E-01	4.0884000E-01	7.3614000E-01
2.1820000E+03	4.9607000E-01	8.3147000E-01	4.1247000E-01	7.4267000E-01
2.1821000E+03	5.0032000E-01	8.3148000E-01	4.1601000E-01	7.4905000E-01
2.1822000E+03	5.0445000E-01	8.3150000E-01	4.1945000E-01	7.5524000E-01
2.1823000E+03	5.0846000E-01	8.3151000E-01	4.2279000E-01	7.6125000E-01
2.1824000E+03	5.1235000E-01	8.3152000E-01	4.2603000E-01	7.6708000E-01
2.1825000E+03	5.1611000E-01	8.3153000E-01	4.2916000E-01	7.7273000E-01
2.1826000E+03	5.1976000E-01	8.3154000E-01	4.3220000E-01	7.7820000E-01
2.1827000E+03	5.2329000E-01	8.3155000E-01	4.3515000E-01	7.8350000E-01
2.1828000E+03	5.2672000E-01	8.3156000E-01	4.3800000E-01	7.8864000E-01
2.1829000E+03	5.3003000E-01	8.3157000E-01	4.4076000E-01	7.9361000E-01
2.1830000E+03	5.3323000E-01	8.3159000E-01	4.4343000E-01	7.9841000E-01
2.1831000E+03	5.3633000E-01	8.3159000E-01	4.4601000E-01	8.0307000E-01
2.1832000E+03	5.3933000E-01	8.3160000E-01	4.4851000E-01	8.0757000E-01
2.1833000E+03	5.4224000E-01	8.3161000E-01	4.5093000E-01	8.1192000E-01
2.1834000E+03	5.4505000E-01	8.3162000E-01	4.5327000E-01	8.1614000E-01
2.1835000E+03	5.4777000E-01	8.3163000E-01	4.5554000E-01	8.2022000E-01
2.1836000E+03	5.5040000E-01	8.3164000E-01	4.5773000E-01	8.2417000E-01
2.1837000E+03	5.5295000E-01	8.3165000E-01	4.5986000E-01	8.2800000E-01
2.1838000E+03	5.5543000E-01	8.3166000E-01	4.6192000E-01	8.3172000E-01

2.1839000E+03	5.5783000E-01	8.3167000E-01	4.6393000E-01	8.3532000E-01
2.1840000E+03	5.6016000E-01	8.3167000E-01	4.6587000E-01	8.3883000E-01
2.1841000E+03	5.6243000E-01	8.3165000E-01	4.6774000E-01	8.4220000E-01
2.1842000E+03	5.6464000E-01	8.3162000E-01	4.6957000E-01	8.4548000E-01
2.1843000E+03	5.6679000E-01	8.3159000E-01	4.7134000E-01	8.4867000E-01
2.1844000E+03	5.6889000E-01	8.3157000E-01	4.7307000E-01	8.5179000E-01
2.1845000E+03	5.7094000E-01	8.3154000E-01	4.7476000E-01	8.5484000E-01
2.1846000E+03	5.7296000E-01	8.3151000E-01	4.7642000E-01	8.5782000E-01
2.1847000E+03	5.7493000E-01	8.3149000E-01	4.7804000E-01	8.6074000E-01
2.1848000E+03	5.7686000E-01	8.3146000E-01	4.7964000E-01	8.6361000E-01
2.1849000E+03	5.7877000E-01	8.3143000E-01	4.8121000E-01	8.6644000E-01
2.1850000E+03	5.8065000E-01	8.3141000E-01	4.8275000E-01	8.6922000E-01
2.1851000E+03	5.8250000E-01	8.3138000E-01	4.8428000E-01	8.7197000E-01
2.1852000E+03	5.8434000E-01	8.3135000E-01	4.8579000E-01	8.7468000E-01
2.1853000E+03	5.8615000E-01	8.3132000E-01	4.8728000E-01	8.7737000E-01
2.1854000E+03	5.8796000E-01	8.3129000E-01	4.8876000E-01	8.8004000E-01
2.1855000E+03	5.8975000E-01	8.3126000E-01	4.9024000E-01	8.8270000E-01
2.1856000E+03	5.9154000E-01	8.3122000E-01	4.9171000E-01	8.8534000E-01
2.1857000E+03	5.9333000E-01	8.3119000E-01	4.9317000E-01	8.8798000E-01
2.1858000E+03	5.9511000E-01	8.3116000E-01	4.9463000E-01	8.9061000E-01
2.1859000E+03	5.9689000E-01	8.3113000E-01	4.9609000E-01	8.9324000E-01
2.1860000E+03	5.9867000E-01	8.3110000E-01	4.9756000E-01	8.9587000E-01
2.1861000E+03	6.0045000E-01	8.3107000E-01	4.9902000E-01	8.9850000E-01
2.1862000E+03	6.0224000E-01	8.3103000E-01	5.0048000E-01	9.0114000E-01
2.1863000E+03	6.0404000E-01	8.3099000E-01	5.0195000E-01	9.0378000E-01
2.1864000E+03	6.0584000E-01	8.3095000E-01	5.0342000E-01	9.0643000E-01
2.1865000E+03	6.0764000E-01	8.3091000E-01	5.0490000E-01	9.0909000E-01
2.1866000E+03	6.0946000E-01	8.3087000E-01	5.0638000E-01	9.1177000E-01
2.1867000E+03	6.1128000E-01	8.3084000E-01	5.0787000E-01	9.1445000E-01
2.1868000E+03	6.1311000E-01	8.3080000E-01	5.0937000E-01	9.1714000E-01
2.1869000E+03	6.1494000E-01	8.3076000E-01	5.1087000E-01	9.1985000E-01
2.1870000E+03	6.1678000E-01	8.3072000E-01	5.1238000E-01	9.2256000E-01
2.1871000E+03	6.1863000E-01	8.3069000E-01	5.1389000E-01	9.2528000E-01
2.1872000E+03	6.2048000E-01	8.3066000E-01	5.1540000E-01	9.2801000E-01
2.1873000E+03	6.2233000E-01	8.3062000E-01	5.1692000E-01	9.3074000E-01
2.1874000E+03	6.2418000E-01	8.3059000E-01	5.1844000E-01	9.3347000E-01
2.1875000E+03	6.2603000E-01	8.3056000E-01	5.1996000E-01	9.3620000E-01
2.1876000E+03	6.2788000E-01	8.3053000E-01	5.2147000E-01	9.3893000E-01
2.1877000E+03	6.2972000E-01	8.3049000E-01	5.2298000E-01	9.4165000E-01
2.1878000E+03	6.3155000E-01	8.3046000E-01	5.2448000E-01	9.4435000E-01
2.1879000E+03	6.3337000E-01	8.3043000E-01	5.2597000E-01	9.4704000E-01
2.1880000E+03	6.3518000E-01	8.3040000E-01	5.2745000E-01	9.4970000E-01
2.1881000E+03	6.3697000E-01	8.3042000E-01	5.2895000E-01	9.5241000E-01

2.1882000E+03	6.3875000E-01	8.3044000E-01	5.3044000E-01	9.5508000E-01
2.1883000E+03	6.4050000E-01	8.3046000E-01	5.3191000E-01	9.5773000E-01
2.1884000E+03	6.4223000E-01	8.3048000E-01	5.3336000E-01	9.6033000E-01
2.1885000E+03	6.4392000E-01	8.3050000E-01	5.3478000E-01	9.6290000E-01
2.1886000E+03	6.4559000E-01	8.3052000E-01	5.3618000E-01	9.6541000E-01
2.1887000E+03	6.4722000E-01	8.3054000E-01	5.3755000E-01	9.6788000E-01
2.1888000E+03	6.4881000E-01	8.3057000E-01	5.3888000E-01	9.7029000E-01
2.1889000E+03	6.5037000E-01	8.3059000E-01	5.4019000E-01	9.7263000E-01
2.1890000E+03	6.5188000E-01	8.3061000E-01	5.4145000E-01	9.7492000E-01
2.1891000E+03	6.5334000E-01	8.3063000E-01	5.4269000E-01	9.7713000E-01
2.1892000E+03	6.5475000E-01	8.3066000E-01	5.4387000E-01	9.7927000E-01
2.1893000E+03	6.5611000E-01	8.3068000E-01	5.4502000E-01	9.8133000E-01
2.1894000E+03	6.5741000E-01	8.3071000E-01	5.4611000E-01	9.8330000E-01
2.1895000E+03	6.5865000E-01	8.3073000E-01	5.4716000E-01	9.8519000E-01
2.1896000E+03	6.5983000E-01	8.3076000E-01	5.4815000E-01	9.8698000E-01
2.1897000E+03	6.6094000E-01	8.3078000E-01	5.4910000E-01	9.8867000E-01
2.1898000E+03	6.6199000E-01	8.3080000E-01	5.4998000E-01	9.9027000E-01
2.1899000E+03	6.6296000E-01	8.3083000E-01	5.5081000E-01	9.9176000E-01
2.1900000E+03	6.6386000E-01	8.3085000E-01	5.5157000E-01	9.9314000E-01
2.1901000E+03	6.6469000E-01	8.3085000E-01	5.5226000E-01	9.9437000E-01
2.1902000E+03	6.6544000E-01	8.3085000E-01	5.5288000E-01	9.9549000E-01
2.1903000E+03	6.6612000E-01	8.3085000E-01	5.5344000E-01	9.9650000E-01
2.1904000E+03	6.6671000E-01	8.3084000E-01	5.5393000E-01	9.9738000E-01
2.1905000E+03	6.6722000E-01	8.3084000E-01	5.5435000E-01	9.9814000E-01
2.1906000E+03	6.6764000E-01	8.3084000E-01	5.5470000E-01	9.9877000E-01
2.1907000E+03	6.6798000E-01	8.3084000E-01	5.5498000E-01	9.9927000E-01
2.1908000E+03	6.6823000E-01	8.3083000E-01	5.5519000E-01	9.9965000E-01
2.1909000E+03	6.6840000E-01	8.3083000E-01	5.5533000E-01	9.9989000E-01
2.1910000E+03	6.6847000E-01	8.3083000E-01	5.5539000E-01	1.0000000E+00
2.1911000E+03	6.6846000E-01	8.3083000E-01	5.5537000E-01	9.9997000E-01
2.1912000E+03	6.6835000E-01	8.3082000E-01	5.5528000E-01	9.9981000E-01
2.1913000E+03	6.6815000E-01	8.3082000E-01	5.5511000E-01	9.9951000E-01
2.1914000E+03	6.6786000E-01	8.3082000E-01	5.5487000E-01	9.9907000E-01
2.1915000E+03	6.6748000E-01	8.3081000E-01	5.5455000E-01	9.9849000E-01
2.1916000E+03	6.6700000E-01	8.3081000E-01	5.5415000E-01	9.9778000E-01
2.1917000E+03	6.6643000E-01	8.3081000E-01	5.5368000E-01	9.9692000E-01
2.1918000E+03	6.6577000E-01	8.3080000E-01	5.5312000E-01	9.9593000E-01
2.1919000E+03	6.6501000E-01	8.3080000E-01	5.5249000E-01	9.9479000E-01
2.1920000E+03	6.6416000E-01	8.3080000E-01	5.5178000E-01	9.9352000E-01
2.1921000E+03	6.6322000E-01	8.3077000E-01	5.5098000E-01	9.9207000E-01
2.1922000E+03	6.6218000E-01	8.3074000E-01	5.5010000E-01	9.9049000E-01
2.1923000E+03	6.6105000E-01	8.3072000E-01	5.4915000E-01	9.8877000E-01
2.1924000E+03	6.5983000E-01	8.3069000E-01	5.4811000E-01	9.8691000E-01

2.1925000E+03	6.5851000E-01	8.3066000E-01	5.4700000E-01	9.8490000E-01
2.1926000E+03	6.5710000E-01	8.3064000E-01	5.4581000E-01	9.8277000E-01
2.1927000E+03	6.5560000E-01	8.3061000E-01	5.4455000E-01	9.8049000E-01
2.1928000E+03	6.5400000E-01	8.3059000E-01	5.4321000E-01	9.7807000E-01
2.1929000E+03	6.5232000E-01	8.3056000E-01	5.4179000E-01	9.7552000E-01
2.1930000E+03	6.5054000E-01	8.3053000E-01	5.4029000E-01	9.7283000E-01
2.1931000E+03	6.4867000E-01	8.3051000E-01	5.3872000E-01	9.7000000E-01
2.1932000E+03	6.4671000E-01	8.3048000E-01	5.3708000E-01	9.6703000E-01
2.1933000E+03	6.4466000E-01	8.3045000E-01	5.3536000E-01	9.6393000E-01
2.1934000E+03	6.4251000E-01	8.3042000E-01	5.3356000E-01	9.6070000E-01
2.1935000E+03	6.4028000E-01	8.3040000E-01	5.3169000E-01	9.5733000E-01
2.1936000E+03	6.3796000E-01	8.3037000E-01	5.2974000E-01	9.5383000E-01
2.1937000E+03	6.3555000E-01	8.3034000E-01	5.2772000E-01	9.5019000E-01
2.1938000E+03	6.3305000E-01	8.3031000E-01	5.2563000E-01	9.4642000E-01
2.1939000E+03	6.3046000E-01	8.3028000E-01	5.2346000E-01	9.4251000E-01
2.1940000E+03	6.2778000E-01	8.3026000E-01	5.2122000E-01	9.3848000E-01
2.1941000E+03	6.2501000E-01	8.3024000E-01	5.1891000E-01	9.3432000E-01
2.1942000E+03	6.2215000E-01	8.3022000E-01	5.1652000E-01	9.3003000E-01
2.1943000E+03	6.1921000E-01	8.3020000E-01	5.1407000E-01	9.2560000E-01
2.1944000E+03	6.1618000E-01	8.3018000E-01	5.1154000E-01	9.2105000E-01
2.1945000E+03	6.1306000E-01	8.3016000E-01	5.0894000E-01	9.1637000E-01
2.1946000E+03	6.0985000E-01	8.3014000E-01	5.0626000E-01	9.1155000E-01
2.1947000E+03	6.0655000E-01	8.3012000E-01	5.0351000E-01	9.0660000E-01
2.1948000E+03	6.0317000E-01	8.3011000E-01	5.0069000E-01	9.0153000E-01
2.1949000E+03	5.9970000E-01	8.3009000E-01	4.9780000E-01	8.9632000E-01
2.1950000E+03	5.9614000E-01	8.3007000E-01	4.9484000E-01	8.9098000E-01
2.1951000E+03	5.9250000E-01	8.3005000E-01	4.9180000E-01	8.8551000E-01
2.1952000E+03	5.8876000E-01	8.3003000E-01	4.8869000E-01	8.7992000E-01
2.1953000E+03	5.8495000E-01	8.3001000E-01	4.8551000E-01	8.7419000E-01
2.1954000E+03	5.8104000E-01	8.3000000E-01	4.8226000E-01	8.6833000E-01
2.1955000E+03	5.7705000E-01	8.2998000E-01	4.7894000E-01	8.6235000E-01
2.1956000E+03	5.7297000E-01	8.2996000E-01	4.7554000E-01	8.5624000E-01
2.1957000E+03	5.6881000E-01	8.2994000E-01	4.7208000E-01	8.5000000E-01
2.1958000E+03	5.6456000E-01	8.2992000E-01	4.6854000E-01	8.4363000E-01
2.1959000E+03	5.6022000E-01	8.2991000E-01	4.6493000E-01	8.3713000E-01
2.1960000E+03	5.5580000E-01	8.2989000E-01	4.6125000E-01	8.3051000E-01
2.1961000E+03	5.5130000E-01	8.2986000E-01	4.5750000E-01	8.2375000E-01
2.1962000E+03	5.4671000E-01	8.2983000E-01	4.5368000E-01	8.1687000E-01
2.1963000E+03	5.4204000E-01	8.2980000E-01	4.4979000E-01	8.0986000E-01
2.1964000E+03	5.3729000E-01	8.2978000E-01	4.4583000E-01	8.0273000E-01
2.1965000E+03	5.3245000E-01	8.2975000E-01	4.4180000E-01	7.9548000E-01
2.1966000E+03	5.2753000E-01	8.2972000E-01	4.3770000E-01	7.8811000E-01
2.1967000E+03	5.2253000E-01	8.2969000E-01	4.3354000E-01	7.8061000E-01

2.1968000E+03	5.1746000E-01	8.2966000E-01	4.2931000E-01	7.7300000E-01
2.1969000E+03	5.1230000E-01	8.2964000E-01	4.2502000E-01	7.6527000E-01
2.1970000E+03	5.0706000E-01	8.2961000E-01	4.2067000E-01	7.5743000E-01
2.1971000E+03	5.0175000E-01	8.2959000E-01	4.1625000E-01	7.4947000E-01
2.1972000E+03	4.9637000E-01	8.2956000E-01	4.1177000E-01	7.4141000E-01
2.1973000E+03	4.9091000E-01	8.2954000E-01	4.0723000E-01	7.3323000E-01
2.1974000E+03	4.8537000E-01	8.2952000E-01	4.0262000E-01	7.2495000E-01
2.1975000E+03	4.7977000E-01	8.2950000E-01	3.9796000E-01	7.1656000E-01
2.1976000E+03	4.7409000E-01	8.2947000E-01	3.9325000E-01	7.0806000E-01
2.1977000E+03	4.6835000E-01	8.2945000E-01	3.8847000E-01	6.9947000E-01
2.1978000E+03	4.6254000E-01	8.2943000E-01	3.8365000E-01	6.9077000E-01
2.1979000E+03	4.5667000E-01	8.2941000E-01	3.7876000E-01	6.8198000E-01
2.1980000E+03	4.5074000E-01	8.2938000E-01	3.7383000E-01	6.7310000E-01
2.1981000E+03	4.4474000E-01	8.2940000E-01	3.6887000E-01	6.6416000E-01
2.1982000E+03	4.3869000E-01	8.2941000E-01	3.6385000E-01	6.5514000E-01
2.1983000E+03	4.3258000E-01	8.2943000E-01	3.5880000E-01	6.4603000E-01
2.1984000E+03	4.2642000E-01	8.2945000E-01	3.5369000E-01	6.3685000E-01
2.1985000E+03	4.2021000E-01	8.2946000E-01	3.4855000E-01	6.2758000E-01
2.1986000E+03	4.1396000E-01	8.2948000E-01	3.4337000E-01	6.1825000E-01
2.1987000E+03	4.0766000E-01	8.2949000E-01	3.3815000E-01	6.0885000E-01
2.1988000E+03	4.0131000E-01	8.2951000E-01	3.3289000E-01	5.9939000E-01
2.1989000E+03	3.9493000E-01	8.2953000E-01	3.2761000E-01	5.8987000E-01
2.1990000E+03	3.8852000E-01	8.2954000E-01	3.2229000E-01	5.8030000E-01
2.1991000E+03	3.8207000E-01	8.2956000E-01	3.1695000E-01	5.7068000E-01
2.1992000E+03	3.7559000E-01	8.2958000E-01	3.1158000E-01	5.6102000E-01
2.1993000E+03	3.6909000E-01	8.2959000E-01	3.0620000E-01	5.5132000E-01
2.1994000E+03	3.6257000E-01	8.2961000E-01	3.0079000E-01	5.4159000E-01
2.1995000E+03	3.5603000E-01	8.2963000E-01	2.9538000E-01	5.3184000E-01
2.1996000E+03	3.4948000E-01	8.2964000E-01	2.8995000E-01	5.2206000E-01
2.1997000E+03	3.4292000E-01	8.2966000E-01	2.8451000E-01	5.1227000E-01
2.1998000E+03	3.3635000E-01	8.2968000E-01	2.7906000E-01	5.0247000E-01
2.1999000E+03	3.2978000E-01	8.2969000E-01	2.7362000E-01	4.9267000E-01
2.2000000E+03	3.2322000E-01	8.2971000E-01	2.6818000E-01	4.8287000E-01
2.2001000E+03	3.1666000E-01	8.2969000E-01	2.6273000E-01	4.7305000E-01
2.2002000E+03	3.1011000E-01	8.2966000E-01	2.5728000E-01	4.6325000E-01
2.2003000E+03	3.0357000E-01	8.2964000E-01	2.5186000E-01	4.5348000E-01
2.2004000E+03	2.9706000E-01	8.2961000E-01	2.4644000E-01	4.4373000E-01
2.2005000E+03	2.9057000E-01	8.2959000E-01	2.4105000E-01	4.3402000E-01
2.2006000E+03	2.8410000E-01	8.2957000E-01	2.3568000E-01	4.2435000E-01
2.2007000E+03	2.7767000E-01	8.2954000E-01	2.3034000E-01	4.1473000E-01
2.2008000E+03	2.7127000E-01	8.2952000E-01	2.2502000E-01	4.0517000E-01
2.2009000E+03	2.6491000E-01	8.2949000E-01	2.1975000E-01	3.9566000E-01
2.2010000E+03	2.5860000E-01	8.2947000E-01	2.1450000E-01	3.8622000E-01

2.2011000E+03	2.5234000E-01	8.2944000E-01	2.0930000E-01	3.7686000E-01
2.2012000E+03	2.4613000E-01	8.2942000E-01	2.0414000E-01	3.6757000E-01
2.2013000E+03	2.3997000E-01	8.2940000E-01	1.9903000E-01	3.5837000E-01
2.2014000E+03	2.3388000E-01	8.2937000E-01	1.9397000E-01	3.4925000E-01
2.2015000E+03	2.2785000E-01	8.2935000E-01	1.8896000E-01	3.4024000E-01
2.2016000E+03	2.2188000E-01	8.2932000E-01	1.8401000E-01	3.3132000E-01
2.2017000E+03	2.1599000E-01	8.2930000E-01	1.7912000E-01	3.2251000E-01
2.2018000E+03	2.1017000E-01	8.2927000E-01	1.7429000E-01	3.1381000E-01
2.2019000E+03	2.0443000E-01	8.2925000E-01	1.6952000E-01	3.0523000E-01
2.2020000E+03	1.9877000E-01	8.2922000E-01	1.6482000E-01	2.9677000E-01
2.2021000E+03	1.9319000E-01	8.2920000E-01	1.6019000E-01	2.8844000E-01
2.2022000E+03	1.8770000E-01	8.2918000E-01	1.5564000E-01	2.8023000E-01
2.2023000E+03	1.8230000E-01	8.2916000E-01	1.5115000E-01	2.7216000E-01
2.2024000E+03	1.7699000E-01	8.2913000E-01	1.4675000E-01	2.6422000E-01
2.2025000E+03	1.7177000E-01	8.2911000E-01	1.4242000E-01	2.5643000E-01
2.2026000E+03	1.6665000E-01	8.2909000E-01	1.3816000E-01	2.4877000E-01
2.2027000E+03	1.6162000E-01	8.2906000E-01	1.3399000E-01	2.4126000E-01
2.2028000E+03	1.5670000E-01	8.2904000E-01	1.2991000E-01	2.3390000E-01
2.2029000E+03	1.5187000E-01	8.2902000E-01	1.2590000E-01	2.2669000E-01
2.2030000E+03	1.4715000E-01	8.2900000E-01	1.2198000E-01	2.1964000E-01
2.2031000E+03	1.4252000E-01	8.2897000E-01	1.1815000E-01	2.1273000E-01
2.2032000E+03	1.3800000E-01	8.2894000E-01	1.1440000E-01	2.0598000E-01
2.2033000E+03	1.3359000E-01	8.2892000E-01	1.1073000E-01	1.9938000E-01
2.2034000E+03	1.2928000E-01	8.2889000E-01	1.0716000E-01	1.9294000E-01
2.2035000E+03	1.2507000E-01	8.2886000E-01	1.0367000E-01	1.8666000E-01
2.2036000E+03	1.2097000E-01	8.2884000E-01	1.0026000E-01	1.8053000E-01
2.2037000E+03	1.1697000E-01	8.2881000E-01	9.6946000E-02	1.7456000E-01
2.2038000E+03	1.1308000E-01	8.2879000E-01	9.3716000E-02	1.6874000E-01
2.2039000E+03	1.0929000E-01	8.2876000E-01	9.0572000E-02	1.6308000E-01
2.2040000E+03	1.0560000E-01	8.2873000E-01	8.7513000E-02	1.5757000E-01
2.2041000E+03	1.0201000E-01	8.2872000E-01	8.4539000E-02	1.5222000E-01
2.2042000E+03	9.8527000E-02	8.2870000E-01	8.1649000E-02	1.4701000E-01
2.2043000E+03	9.5142000E-02	8.2868000E-01	7.8842000E-02	1.4196000E-01
2.2044000E+03	9.1855000E-02	8.2866000E-01	7.6116000E-02	1.3705000E-01
2.2045000E+03	8.8665000E-02	8.2864000E-01	7.3471000E-02	1.3229000E-01
2.2046000E+03	8.5571000E-02	8.2862000E-01	7.0906000E-02	1.2767000E-01
2.2047000E+03	8.2571000E-02	8.2860000E-01	6.8418000E-02	1.2319000E-01
2.2048000E+03	7.9664000E-02	8.2858000E-01	6.6008000E-02	1.1885000E-01
2.2049000E+03	7.6847000E-02	8.2856000E-01	6.3672000E-02	1.1464000E-01
2.2050000E+03	7.4118000E-02	8.2854000E-01	6.1410000E-02	1.1057000E-01
2.2051000E+03	7.1477000E-02	8.2852000E-01	5.9220000E-02	1.0663000E-01
2.2052000E+03	6.8920000E-02	8.2850000E-01	5.7100000E-02	1.0281000E-01
2.2053000E+03	6.6447000E-02	8.2848000E-01	5.5050000E-02	9.9120000E-02

2.2054000E+03	6.4054000E-02	8.2845000E-01	5.3066000E-02	9.5548000E-02
2.2055000E+03	6.1740000E-02	8.2843000E-01	5.1148000E-02	9.2094000E-02
2.2056000E+03	5.9504000E-02	8.2841000E-01	4.9293000E-02	8.8755000E-02
2.2057000E+03	5.7342000E-02	8.2839000E-01	4.7501000E-02	8.5528000E-02
2.2058000E+03	5.5253000E-02	8.2836000E-01	4.5769000E-02	8.2410000E-02
2.2059000E+03	5.3234000E-02	8.2834000E-01	4.4096000E-02	7.9397000E-02
2.2060000E+03	5.1285000E-02	8.2832000E-01	4.2480000E-02	7.6488000E-02
2.2061000E+03	4.9726000E-02	8.2833000E-01	4.1190000E-02	7.4164000E-02
2.2062000E+03	4.7899000E-02	8.2833000E-01	3.9676000E-02	7.1439000E-02
2.2063000E+03	4.6135000E-02	8.2834000E-01	3.8215000E-02	6.8809000E-02
2.2064000E+03	4.4432000E-02	8.2835000E-01	3.6805000E-02	6.6269000E-02
2.2065000E+03	4.2788000E-02	8.2836000E-01	3.5444000E-02	6.3818000E-02
2.2066000E+03	4.1202000E-02	8.2837000E-01	3.4130000E-02	6.1454000E-02
2.2067000E+03	3.9672000E-02	8.2837000E-01	3.2863000E-02	5.9172000E-02
2.2068000E+03	3.8197000E-02	8.2838000E-01	3.1641000E-02	5.6972000E-02
2.2069000E+03	3.6774000E-02	8.2839000E-01	3.0463000E-02	5.4850000E-02
2.2070000E+03	3.5402000E-02	8.2840000E-01	2.9327000E-02	5.2804000E-02
2.2071000E+03	3.4079000E-02	8.2841000E-01	2.8232000E-02	5.0833000E-02
2.2072000E+03	3.2805000E-02	8.2843000E-01	2.7177000E-02	4.8933000E-02
2.2073000E+03	3.1577000E-02	8.2844000E-01	2.6160000E-02	4.7102000E-02
2.2074000E+03	3.0395000E-02	8.2846000E-01	2.5181000E-02	4.5339000E-02
2.2075000E+03	2.9256000E-02	8.2848000E-01	2.4238000E-02	4.3642000E-02
2.2076000E+03	2.8160000E-02	8.2849000E-01	2.3330000E-02	4.2007000E-02
2.2077000E+03	2.7105000E-02	8.2851000E-01	2.2457000E-02	4.0435000E-02
2.2078000E+03	2.6090000E-02	8.2852000E-01	2.1616000E-02	3.8921000E-02
2.2079000E+03	2.5114000E-02	8.2854000E-01	2.0808000E-02	3.7466000E-02
2.2080000E+03	2.4176000E-02	8.2856000E-01	2.0031000E-02	3.6067000E-02
2.2081000E+03	2.3274000E-02	8.2854000E-01	1.9284000E-02	3.4722000E-02
2.2082000E+03	2.2408000E-02	8.2853000E-01	1.8566000E-02	3.3429000E-02
2.2083000E+03	2.1576000E-02	8.2852000E-01	1.7876000E-02	3.2187000E-02
2.2084000E+03	2.0778000E-02	8.2851000E-01	1.7215000E-02	3.0996000E-02
2.2085000E+03	2.0012000E-02	8.2849000E-01	1.6579000E-02	2.9852000E-02
2.2086000E+03	1.9277000E-02	8.2848000E-01	1.5970000E-02	2.8755000E-02
2.2087000E+03	1.8572000E-02	8.2847000E-01	1.5386000E-02	2.7704000E-02
2.2088000E+03	1.7896000E-02	8.2846000E-01	1.4826000E-02	2.6696000E-02
2.2089000E+03	1.7249000E-02	8.2844000E-01	1.4290000E-02	2.5730000E-02
2.2090000E+03	1.6630000E-02	8.2843000E-01	1.3776000E-02	2.4805000E-02
2.2091000E+03	1.6036000E-02	8.2843000E-01	1.3285000E-02	2.3919000E-02
2.2092000E+03	1.5468000E-02	8.2842000E-01	1.2814000E-02	2.3072000E-02
2.2093000E+03	1.4924000E-02	8.2841000E-01	1.2363000E-02	2.2261000E-02
2.2094000E+03	1.4404000E-02	8.2840000E-01	1.1932000E-02	2.1484000E-02
2.2095000E+03	1.3906000E-02	8.2840000E-01	1.1520000E-02	2.0742000E-02
2.2096000E+03	1.3430000E-02	8.2839000E-01	1.1125000E-02	2.0031000E-02

2.2097000E+03	1.2974000E-02	8.2838000E-01	1.0747000E-02	1.9351000E-02
2.2098000E+03	1.2538000E-02	8.2837000E-01	1.0386000E-02	1.8701000E-02
2.2099000E+03	1.2121000E-02	8.2837000E-01	1.0041000E-02	1.8079000E-02
2.2100000E+03	1.1722000E-02	8.2836000E-01	9.7099000E-03	1.7483000E-02
2.2101000E+03	1.1339000E-02	8.2836000E-01	9.3932000E-03	1.6913000E-02
2.2102000E+03	1.0973000E-02	8.2836000E-01	9.0900000E-03	1.6367000E-02
2.2103000E+03	1.0623000E-02	8.2837000E-01	8.7993000E-03	1.5844000E-02
2.2104000E+03	1.0286000E-02	8.2837000E-01	8.5207000E-03	1.5342000E-02
2.2105000E+03	9.9632000E-03	8.2837000E-01	8.2532000E-03	1.4860000E-02
2.2106000E+03	9.6532000E-03	8.2837000E-01	7.9964000E-03	1.4398000E-02
2.2107000E+03	9.3553000E-03	8.2837000E-01	7.7496000E-03	1.3954000E-02
2.2108000E+03	9.0686000E-03	8.2837000E-01	7.5122000E-03	1.3526000E-02
2.2109000E+03	8.7926000E-03	8.2838000E-01	7.2836000E-03	1.3114000E-02
2.2110000E+03	8.5266000E-03	8.2838000E-01	7.0633000E-03	1.2718000E-02
2.2111000E+03	8.2699000E-03	8.2842000E-01	6.8510000E-03	1.2335000E-02
2.2112000E+03	8.0220000E-03	8.2845000E-01	6.6459000E-03	1.1966000E-02
2.2113000E+03	7.7822000E-03	8.2849000E-01	6.4475000E-03	1.1609000E-02
2.2114000E+03	7.5501000E-03	8.2853000E-01	6.2555000E-03	1.1263000E-02
2.2115000E+03	7.3252000E-03	8.2857000E-01	6.0695000E-03	1.0928000E-02
2.2116000E+03	7.1070000E-03	8.2861000E-01	5.8889000E-03	1.0603000E-02
2.2117000E+03	6.8951000E-03	8.2865000E-01	5.7136000E-03	1.0288000E-02
2.2118000E+03	6.6892000E-03	8.2869000E-01	5.5432000E-03	9.9809000E-03
2.2119000E+03	6.4889000E-03	8.2873000E-01	5.3775000E-03	9.6824000E-03
2.2120000E+03	6.2938000E-03	8.2876000E-01	5.2161000E-03	9.3919000E-03
2.2121000E+03	6.1038000E-03	8.2880000E-01	5.0588000E-03	9.1087000E-03
2.2122000E+03	5.9186000E-03	8.2883000E-01	4.9056000E-03	8.8327000E-03
2.2123000E+03	5.7380000E-03	8.2887000E-01	4.7561000E-03	8.5635000E-03
2.2124000E+03	5.5618000E-03	8.2890000E-01	4.6102000E-03	8.3009000E-03
2.2125000E+03	5.3899000E-03	8.2894000E-01	4.4679000E-03	8.0447000E-03
2.2126000E+03	5.2222000E-03	8.2897000E-01	4.3290000E-03	7.7947000E-03
2.2127000E+03	5.0585000E-03	8.2900000E-01	4.1935000E-03	7.5507000E-03
2.2128000E+03	4.8988000E-03	8.2904000E-01	4.0613000E-03	7.3126000E-03
2.2129000E+03	4.7431000E-03	8.2907000E-01	3.9324000E-03	7.0805000E-03
2.2130000E+03	4.5914000E-03	8.2911000E-01	3.8067000E-03	6.8542000E-03
2.2131000E+03	4.4435000E-03	8.2914000E-01	3.6843000E-03	6.6338000E-03
2.2132000E+03	4.2996000E-03	8.2917000E-01	3.5651000E-03	6.4192000E-03
2.2133000E+03	4.1597000E-03	8.2920000E-01	3.4493000E-03	6.2106000E-03
2.2134000E+03	4.0238000E-03	8.2924000E-01	3.3367000E-03	6.0079000E-03
2.2135000E+03	3.8919000E-03	8.2927000E-01	3.2275000E-03	5.8112000E-03
2.2136000E+03	3.7642000E-03	8.2930000E-01	3.1216000E-03	5.6207000E-03
2.2137000E+03	3.6406000E-03	8.2933000E-01	3.0193000E-03	5.4363000E-03
2.2138000E+03	3.5212000E-03	8.2937000E-01	2.9204000E-03	5.2583000E-03
2.2139000E+03	3.4061000E-03	8.2940000E-01	2.8250000E-03	5.0866000E-03

2.2140000E+03	3.2953000E-03	8.2943000E-01	2.7332000E-03	4.9213000E-03
2.2141000E+03	3.1889000E-03	8.2946000E-01	2.6451000E-03	4.7626000E-03
2.2142000E+03	3.0868000E-03	8.2950000E-01	2.5605000E-03	4.6103000E-03
2.2143000E+03	2.9891000E-03	8.2953000E-01	2.4796000E-03	4.4646000E-03
2.2144000E+03	2.8958000E-03	8.2956000E-01	2.4023000E-03	4.3254000E-03
2.2145000E+03	2.8069000E-03	8.2960000E-01	2.3286000E-03	4.1928000E-03
2.2146000E+03	2.7223000E-03	8.2963000E-01	2.2585000E-03	4.0665000E-03
2.2147000E+03	2.6419000E-03	8.2966000E-01	2.1919000E-03	3.9466000E-03
2.2148000E+03	2.5657000E-03	8.2969000E-01	2.1287000E-03	3.8329000E-03
2.2149000E+03	2.4935000E-03	8.2973000E-01	2.0689000E-03	3.7252000E-03
2.2150000E+03	2.4252000E-03	8.2976000E-01	2.0123000E-03	3.6233000E-03
2.2151000E+03	2.3606000E-03	8.2979000E-01	1.9588000E-03	3.5269000E-03
2.2152000E+03	0.0000000E+00	8.2982000E-01	0.0000000E+00	0.0000000E+00
Channel 14				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.1799000E+03	0.0000000E+00	8.3196000E-01	0.0000000E+00	0.0000000E+00
2.1800000E+03	1.7930000E-03	8.3195000E-01	1.4917000E-03	2.4369000E-03
2.1801000E+03	1.7946000E-03	8.3192000E-01	1.4930000E-03	2.4390000E-03
2.1802000E+03	1.8174000E-03	8.3190000E-01	1.5119000E-03	2.4699000E-03
2.1803000E+03	1.8613000E-03	8.3188000E-01	1.5483000E-03	2.5294000E-03
2.1804000E+03	1.9256000E-03	8.3185000E-01	1.6018000E-03	2.6168000E-03
2.1805000E+03	2.0091000E-03	8.3183000E-01	1.6712000E-03	2.7302000E-03
2.1806000E+03	2.1097000E-03	8.3180000E-01	1.7548000E-03	2.8668000E-03
2.1807000E+03	2.2249000E-03	8.3178000E-01	1.8506000E-03	3.0233000E-03
2.1808000E+03	2.3518000E-03	8.3176000E-01	1.9561000E-03	3.1956000E-03
2.1809000E+03	2.4870000E-03	8.3173000E-01	2.0685000E-03	3.3792000E-03
2.1810000E+03	2.6269000E-03	8.3171000E-01	2.1848000E-03	3.5692000E-03
2.1811000E+03	2.7679000E-03	8.3168000E-01	2.3020000E-03	3.7607000E-03
2.1812000E+03	2.9062000E-03	8.3166000E-01	2.4170000E-03	3.9485000E-03
2.1813000E+03	3.0382000E-03	8.3164000E-01	2.5267000E-03	4.1277000E-03
2.1814000E+03	3.1605000E-03	8.3161000E-01	2.6283000E-03	4.2938000E-03
2.1815000E+03	3.2701000E-03	8.3159000E-01	2.7194000E-03	4.4425000E-03
2.1816000E+03	3.3641000E-03	8.3157000E-01	2.7975000E-03	4.5701000E-03
2.1817000E+03	3.4403000E-03	8.3154000E-01	2.8608000E-03	4.6735000E-03
2.1818000E+03	3.4970000E-03	8.3152000E-01	2.9078000E-03	4.7504000E-03
2.1819000E+03	3.5330000E-03	8.3149000E-01	2.9377000E-03	4.7992000E-03
2.1820000E+03	3.5479000E-03	8.3147000E-01	2.9500000E-03	4.8192000E-03
2.1821000E+03	3.5416000E-03	8.3148000E-01	2.9448000E-03	4.8108000E-03
2.1822000E+03	3.5149000E-03	8.3150000E-01	2.9226000E-03	4.7745000E-03
2.1823000E+03	3.4689000E-03	8.3151000E-01	2.8844000E-03	4.7122000E-03

2.1824000E+03	3.4056000E-03	8.3152000E-01	2.8318000E-03	4.6262000E-03
2.1825000E+03	3.3270000E-03	8.3153000E-01	2.7665000E-03	4.5195000E-03
2.1826000E+03	3.2359000E-03	8.3154000E-01	2.6908000E-03	4.3958000E-03
2.1827000E+03	3.1351000E-03	8.3155000E-01	2.6070000E-03	4.2589000E-03
2.1828000E+03	3.0277000E-03	8.3156000E-01	2.5177000E-03	4.1131000E-03
2.1829000E+03	2.9169000E-03	8.3157000E-01	2.4256000E-03	3.9626000E-03
2.1830000E+03	2.8058000E-03	8.3159000E-01	2.3333000E-03	3.8117000E-03
2.1831000E+03	2.6975000E-03	8.3159000E-01	2.2432000E-03	3.6646000E-03
2.1832000E+03	2.5947000E-03	8.3160000E-01	2.1578000E-03	3.5250000E-03
2.1833000E+03	2.5001000E-03	8.3161000E-01	2.0791000E-03	3.3966000E-03
2.1834000E+03	2.4160000E-03	8.3162000E-01	2.0092000E-03	3.2823000E-03
2.1835000E+03	2.3442000E-03	8.3163000E-01	1.9495000E-03	3.1848000E-03
2.1836000E+03	2.2863000E-03	8.3164000E-01	1.9013000E-03	3.1061000E-03
2.1837000E+03	2.2434000E-03	8.3165000E-01	1.8657000E-03	3.0479000E-03
2.1838000E+03	2.2163000E-03	8.3166000E-01	1.8432000E-03	3.0111000E-03
2.1839000E+03	2.2054000E-03	8.3167000E-01	1.8342000E-03	2.9964000E-03
2.1840000E+03	2.2108000E-03	8.3167000E-01	1.8387000E-03	3.0038000E-03
2.1841000E+03	2.2323000E-03	8.3165000E-01	1.8565000E-03	3.0328000E-03
2.1842000E+03	2.2691000E-03	8.3162000E-01	1.8871000E-03	3.0828000E-03
2.1843000E+03	2.3206000E-03	8.3159000E-01	1.9298000E-03	3.1527000E-03
2.1844000E+03	2.3857000E-03	8.3157000E-01	1.9839000E-03	3.2410000E-03
2.1845000E+03	2.4633000E-03	8.3154000E-01	2.0483000E-03	3.3463000E-03
2.1846000E+03	2.5519000E-03	8.3151000E-01	2.1220000E-03	3.4665000E-03
2.1847000E+03	2.6502000E-03	8.3149000E-01	2.2036000E-03	3.5999000E-03
2.1848000E+03	2.7567000E-03	8.3146000E-01	2.2921000E-03	3.7444000E-03
2.1849000E+03	2.8697000E-03	8.3143000E-01	2.3860000E-03	3.8979000E-03
2.1850000E+03	2.9880000E-03	8.3141000E-01	2.4842000E-03	4.0584000E-03
2.1851000E+03	3.1099000E-03	8.3138000E-01	2.5855000E-03	4.2238000E-03
2.1852000E+03	3.2340000E-03	8.3135000E-01	2.6886000E-03	4.3922000E-03
2.1853000E+03	3.3591000E-03	8.3132000E-01	2.7925000E-03	4.5619000E-03
2.1854000E+03	3.4839000E-03	8.3129000E-01	2.8961000E-03	4.7313000E-03
2.1855000E+03	3.6073000E-03	8.3126000E-01	2.9986000E-03	4.8986000E-03
2.1856000E+03	3.7282000E-03	8.3122000E-01	3.0989000E-03	5.0626000E-03
2.1857000E+03	3.8455000E-03	8.3119000E-01	3.1964000E-03	5.2218000E-03
2.1858000E+03	3.9585000E-03	8.3116000E-01	3.2902000E-03	5.3750000E-03
2.1859000E+03	4.0662000E-03	8.3113000E-01	3.3796000E-03	5.5211000E-03
2.1860000E+03	4.1679000E-03	8.3110000E-01	3.4639000E-03	5.6588000E-03
2.1861000E+03	4.2625000E-03	8.3107000E-01	3.5425000E-03	5.7871000E-03
2.1862000E+03	4.3496000E-03	8.3103000E-01	3.6146000E-03	5.9050000E-03
2.1863000E+03	4.4283000E-03	8.3099000E-01	3.6799000E-03	6.0116000E-03
2.1864000E+03	4.4980000E-03	8.3095000E-01	3.7376000E-03	6.1059000E-03
2.1865000E+03	4.5582000E-03	8.3091000E-01	3.7874000E-03	6.1874000E-03
2.1866000E+03	4.6084000E-03	8.3087000E-01	3.8290000E-03	6.2553000E-03

2.1867000E+03	4.6484000E-03	8.3084000E-01	3.8621000E-03	6.3093000E-03
2.1868000E+03	4.6780000E-03	8.3080000E-01	3.8865000E-03	6.3492000E-03
2.1869000E+03	4.6974000E-03	8.3076000E-01	3.9024000E-03	6.3751000E-03
2.1870000E+03	4.7068000E-03	8.3072000E-01	3.9100000E-03	6.3876000E-03
2.1871000E+03	4.7067000E-03	8.3069000E-01	3.9098000E-03	6.3872000E-03
2.1872000E+03	4.6978000E-03	8.3066000E-01	3.9023000E-03	6.3750000E-03
2.1873000E+03	4.6814000E-03	8.3062000E-01	3.8885000E-03	6.3524000E-03
2.1874000E+03	4.6585000E-03	8.3059000E-01	3.8693000E-03	6.3211000E-03
2.1875000E+03	4.6308000E-03	8.3056000E-01	3.8461000E-03	6.2832000E-03
2.1876000E+03	4.5998000E-03	8.3053000E-01	3.8203000E-03	6.2409000E-03
2.1877000E+03	4.5676000E-03	8.3049000E-01	3.7933000E-03	6.1970000E-03
2.1878000E+03	4.5361000E-03	8.3046000E-01	3.7670000E-03	6.1540000E-03
2.1879000E+03	4.5075000E-03	8.3043000E-01	3.7432000E-03	6.1150000E-03
2.1880000E+03	4.4841000E-03	8.3040000E-01	3.7236000E-03	6.0831000E-03
2.1881000E+03	4.4682000E-03	8.3042000E-01	3.7104000E-03	6.0616000E-03
2.1882000E+03	4.4619000E-03	8.3044000E-01	3.7053000E-03	6.0531000E-03
2.1883000E+03	4.4673000E-03	8.3046000E-01	3.7099000E-03	6.0607000E-03
2.1884000E+03	4.4865000E-03	8.3048000E-01	3.7260000E-03	6.0869000E-03
2.1885000E+03	4.5213000E-03	8.3050000E-01	3.7549000E-03	6.1342000E-03
2.1886000E+03	4.5731000E-03	8.3052000E-01	3.7981000E-03	6.2047000E-03
2.1887000E+03	4.6432000E-03	8.3054000E-01	3.8564000E-03	6.3000000E-03
2.1888000E+03	4.7325000E-03	8.3057000E-01	3.9307000E-03	6.4213000E-03
2.1889000E+03	4.8414000E-03	8.3059000E-01	4.0212000E-03	6.5693000E-03
2.1890000E+03	4.9701000E-03	8.3061000E-01	4.1282000E-03	6.7440000E-03
2.1891000E+03	5.1182000E-03	8.3063000E-01	4.2513000E-03	6.9452000E-03
2.1892000E+03	5.2850000E-03	8.3066000E-01	4.3901000E-03	7.1718000E-03
2.1893000E+03	5.4696000E-03	8.3068000E-01	4.5435000E-03	7.4224000E-03
2.1894000E+03	5.6704000E-03	8.3071000E-01	4.7104000E-03	7.6952000E-03
2.1895000E+03	5.8859000E-03	8.3073000E-01	4.8896000E-03	7.9878000E-03
2.1896000E+03	6.1141000E-03	8.3076000E-01	5.0793000E-03	8.2978000E-03
2.1897000E+03	6.3530000E-03	8.3078000E-01	5.2780000E-03	8.6223000E-03
2.1898000E+03	6.6006000E-03	8.3080000E-01	5.4838000E-03	8.9587000E-03
2.1899000E+03	6.8548000E-03	8.3083000E-01	5.6952000E-03	9.3039000E-03
2.1900000E+03	7.1136000E-03	8.3085000E-01	5.9104000E-03	9.6555000E-03
2.1901000E+03	7.3752000E-03	8.3085000E-01	6.1277000E-03	1.0011000E-02
2.1902000E+03	7.6380000E-03	8.3085000E-01	6.3460000E-03	1.0367000E-02
2.1903000E+03	7.9006000E-03	8.3085000E-01	6.5642000E-03	1.0724000E-02
2.1904000E+03	8.1621000E-03	8.3084000E-01	6.7814000E-03	1.1078000E-02
2.1905000E+03	8.4218000E-03	8.3084000E-01	6.9971000E-03	1.1431000E-02
2.1906000E+03	8.6793000E-03	8.3084000E-01	7.2111000E-03	1.1780000E-02
2.1907000E+03	8.9350000E-03	8.3084000E-01	7.4235000E-03	1.2127000E-02
2.1908000E+03	9.1891000E-03	8.3083000E-01	7.6346000E-03	1.2472000E-02
2.1909000E+03	9.4426000E-03	8.3083000E-01	7.8452000E-03	1.2816000E-02

2.1910000E+03	9.6965000E-03	8.3083000E-01	8.0561000E-03	1.3161000E-02
2.1911000E+03	9.9523000E-03	8.3083000E-01	8.2686000E-03	1.3508000E-02
2.1912000E+03	1.0212000E-02	8.3082000E-01	8.4840000E-03	1.3860000E-02
2.1913000E+03	1.0476000E-02	8.3082000E-01	8.7038000E-03	1.4219000E-02
2.1914000E+03	1.0748000E-02	8.3082000E-01	8.9295000E-03	1.4588000E-02
2.1915000E+03	1.1029000E-02	8.3081000E-01	9.1627000E-03	1.4969000E-02
2.1916000E+03	1.1320000E-02	8.3081000E-01	9.4048000E-03	1.5364000E-02
2.1917000E+03	1.1624000E-02	8.3081000E-01	9.6573000E-03	1.5777000E-02
2.1918000E+03	1.1942000E-02	8.3080000E-01	9.9213000E-03	1.6208000E-02
2.1919000E+03	1.2275000E-02	8.3080000E-01	1.0198000E-02	1.6660000E-02
2.1920000E+03	1.2624000E-02	8.3080000E-01	1.0488000E-02	1.7133000E-02
2.1921000E+03	1.2989000E-02	8.3077000E-01	1.0791000E-02	1.7629000E-02
2.1922000E+03	1.3372000E-02	8.3074000E-01	1.1108000E-02	1.8147000E-02
2.1923000E+03	1.3771000E-02	8.3072000E-01	1.1440000E-02	1.8688000E-02
2.1924000E+03	1.4103000E-02	8.3069000E-01	1.1715000E-02	1.9138000E-02
2.1925000E+03	1.4540000E-02	8.3066000E-01	1.2078000E-02	1.9731000E-02
2.1926000E+03	1.4992000E-02	8.3064000E-01	1.2453000E-02	2.0344000E-02
2.1927000E+03	1.5460000E-02	8.3061000E-01	1.2841000E-02	2.0978000E-02
2.1928000E+03	1.5940000E-02	8.3059000E-01	1.3240000E-02	2.1629000E-02
2.1929000E+03	1.6432000E-02	8.3056000E-01	1.3648000E-02	2.2296000E-02
2.1930000E+03	1.6934000E-02	8.3053000E-01	1.4064000E-02	2.2976000E-02
2.1931000E+03	1.7445000E-02	8.3051000E-01	1.4488000E-02	2.3669000E-02
2.1932000E+03	1.7965000E-02	8.3048000E-01	1.4919000E-02	2.4373000E-02
2.1933000E+03	1.8492000E-02	8.3045000E-01	1.5357000E-02	2.5087000E-02
2.1934000E+03	1.9027000E-02	8.3042000E-01	1.5800000E-02	2.5812000E-02
2.1935000E+03	1.9571000E-02	8.3040000E-01	1.6252000E-02	2.6549000E-02
2.1936000E+03	2.0125000E-02	8.3037000E-01	1.6711000E-02	2.7300000E-02
2.1937000E+03	2.0691000E-02	8.3034000E-01	1.7180000E-02	2.8066000E-02
2.1938000E+03	2.1271000E-02	8.3031000E-01	1.7661000E-02	2.8853000E-02
2.1939000E+03	2.1869000E-02	8.3028000E-01	1.8158000E-02	2.9663000E-02
2.1940000E+03	2.2489000E-02	8.3026000E-01	1.8672000E-02	3.0503000E-02
2.1941000E+03	2.3136000E-02	8.3024000E-01	1.9208000E-02	3.1379000E-02
2.1942000E+03	2.3814000E-02	8.3022000E-01	1.9771000E-02	3.2298000E-02
2.1943000E+03	2.4528000E-02	8.3020000E-01	2.0364000E-02	3.3267000E-02
2.1944000E+03	2.5286000E-02	8.3018000E-01	2.0992000E-02	3.4293000E-02
2.1945000E+03	2.6092000E-02	8.3016000E-01	2.1661000E-02	3.5386000E-02
2.1946000E+03	2.6953000E-02	8.3014000E-01	2.2375000E-02	3.6553000E-02
2.1947000E+03	2.7875000E-02	8.3012000E-01	2.3139000E-02	3.7802000E-02
2.1948000E+03	2.8863000E-02	8.3011000E-01	2.3959000E-02	3.9141000E-02
2.1949000E+03	2.9923000E-02	8.3009000E-01	2.4839000E-02	4.0578000E-02
2.1950000E+03	3.1061000E-02	8.3007000E-01	2.5783000E-02	4.2120000E-02
2.1951000E+03	3.2281000E-02	8.3005000E-01	2.6795000E-02	4.3773000E-02
2.1952000E+03	3.3587000E-02	8.3003000E-01	2.7878000E-02	4.5543000E-02

2.1953000E+03	3.4983000E-02	8.3001000E-01	2.9036000E-02	4.7435000E-02
2.1954000E+03	3.6472000E-02	8.3000000E-01	3.0272000E-02	4.9453000E-02
2.1955000E+03	3.8056000E-02	8.2998000E-01	3.1586000E-02	5.1600000E-02
2.1956000E+03	3.9737000E-02	8.2996000E-01	3.2980000E-02	5.3878000E-02
2.1957000E+03	4.1516000E-02	8.2994000E-01	3.4456000E-02	5.6289000E-02
2.1958000E+03	4.3394000E-02	8.2992000E-01	3.6014000E-02	5.8834000E-02
2.1959000E+03	4.5372000E-02	8.2991000E-01	3.7654000E-02	6.1514000E-02
2.1960000E+03	4.7449000E-02	8.2989000E-01	3.9377000E-02	6.4328000E-02
2.1961000E+03	4.9625000E-02	8.2986000E-01	4.1182000E-02	6.7276000E-02
2.1962000E+03	5.1900000E-02	8.2983000E-01	4.3068000E-02	7.0359000E-02
2.1963000E+03	5.4275000E-02	8.2980000E-01	4.5037000E-02	7.3575000E-02
2.1964000E+03	5.6748000E-02	8.2978000E-01	4.7088000E-02	7.6926000E-02
2.1965000E+03	5.9321000E-02	8.2975000E-01	4.9221000E-02	8.0411000E-02
2.1966000E+03	6.1994000E-02	8.2972000E-01	5.1438000E-02	8.4031000E-02
2.1967000E+03	6.4769000E-02	8.2969000E-01	5.3738000E-02	8.7789000E-02
2.1968000E+03	6.7647000E-02	8.2966000E-01	5.6124000E-02	9.1687000E-02
2.1969000E+03	7.0630000E-02	8.2964000E-01	5.8597000E-02	9.5728000E-02
2.1970000E+03	7.3723000E-02	8.2961000E-01	6.1161000E-02	9.9916000E-02
2.1971000E+03	7.6928000E-02	8.2959000E-01	6.3818000E-02	1.0426000E-01
2.1972000E+03	8.0249000E-02	8.2956000E-01	6.6572000E-02	1.0876000E-01
2.1973000E+03	8.3693000E-02	8.2954000E-01	6.9427000E-02	1.1342000E-01
2.1974000E+03	8.7264000E-02	8.2952000E-01	7.2387000E-02	1.1825000E-01
2.1975000E+03	9.0968000E-02	8.2950000E-01	7.5458000E-02	1.2327000E-01
2.1976000E+03	9.4812000E-02	8.2947000E-01	7.8644000E-02	1.2848000E-01
2.1977000E+03	9.8803000E-02	8.2945000E-01	8.1952000E-02	1.3388000E-01
2.1978000E+03	1.0295000E-01	8.2943000E-01	8.5386000E-02	1.3949000E-01
2.1979000E+03	1.0725000E-01	8.2941000E-01	8.8954000E-02	1.4532000E-01
2.1980000E+03	1.1172000E-01	8.2938000E-01	9.2659000E-02	1.5137000E-01
2.1981000E+03	1.1636000E-01	8.2940000E-01	9.6510000E-02	1.5766000E-01
2.1982000E+03	1.2118000E-01	8.2941000E-01	1.0051000E-01	1.6420000E-01
2.1983000E+03	1.2619000E-01	8.2943000E-01	1.0466000E-01	1.7098000E-01
2.1984000E+03	1.3138000E-01	8.2945000E-01	1.0897000E-01	1.7803000E-01
2.1985000E+03	1.3677000E-01	8.2946000E-01	1.1344000E-01	1.8533000E-01
2.1986000E+03	1.4235000E-01	8.2948000E-01	1.1808000E-01	1.9289000E-01
2.1987000E+03	1.4813000E-01	8.2949000E-01	1.2287000E-01	2.0073000E-01
2.1988000E+03	1.5411000E-01	8.2951000E-01	1.2783000E-01	2.0883000E-01
2.1989000E+03	1.6028000E-01	8.2953000E-01	1.3296000E-01	2.1721000E-01
2.1990000E+03	1.6666000E-01	8.2954000E-01	1.3825000E-01	2.2585000E-01
2.1991000E+03	1.7323000E-01	8.2956000E-01	1.4370000E-01	2.3476000E-01
2.1992000E+03	1.7999000E-01	8.2958000E-01	1.4931000E-01	2.4392000E-01
2.1993000E+03	1.8694000E-01	8.2959000E-01	1.5508000E-01	2.5335000E-01
2.1994000E+03	1.9407000E-01	8.2961000E-01	1.6100000E-01	2.6302000E-01
2.1995000E+03	2.0138000E-01	8.2963000E-01	1.6707000E-01	2.7294000E-01

2.1996000E+03	2.0886000E-01	8.2964000E-01	1.7328000E-01	2.8308000E-01
2.1997000E+03	2.1651000E-01	8.2966000E-01	1.7963000E-01	2.9345000E-01
2.1998000E+03	2.2431000E-01	8.2968000E-01	1.8610000E-01	3.0402000E-01
2.1999000E+03	2.3225000E-01	8.2969000E-01	1.9270000E-01	3.1480000E-01
2.2000000E+03	2.4033000E-01	8.2971000E-01	1.9940000E-01	3.2576000E-01
2.2001000E+03	2.4854000E-01	8.2969000E-01	2.0621000E-01	3.3687000E-01
2.2002000E+03	2.5686000E-01	8.2966000E-01	2.1311000E-01	3.4814000E-01
2.2003000E+03	2.6528000E-01	8.2964000E-01	2.2009000E-01	3.5955000E-01
2.2004000E+03	2.7380000E-01	8.2961000E-01	2.2715000E-01	3.7109000E-01
2.2005000E+03	2.8241000E-01	8.2959000E-01	2.3428000E-01	3.8273000E-01
2.2006000E+03	2.9108000E-01	8.2957000E-01	2.4147000E-01	3.9448000E-01
2.2007000E+03	2.9981000E-01	8.2954000E-01	2.4871000E-01	4.0630000E-01
2.2008000E+03	3.0859000E-01	8.2952000E-01	2.5598000E-01	4.1819000E-01
2.2009000E+03	3.1741000E-01	8.2949000E-01	2.6329000E-01	4.3012000E-01
2.2010000E+03	3.2625000E-01	8.2947000E-01	2.7062000E-01	4.4209000E-01
2.2011000E+03	3.3511000E-01	8.2944000E-01	2.7795000E-01	4.5408000E-01
2.2012000E+03	3.4397000E-01	8.2942000E-01	2.8529000E-01	4.6607000E-01
2.2013000E+03	3.5282000E-01	8.2940000E-01	2.9262000E-01	4.7805000E-01
2.2014000E+03	3.6165000E-01	8.2937000E-01	2.9994000E-01	4.9000000E-01
2.2015000E+03	3.7045000E-01	8.2935000E-01	3.0723000E-01	5.0190000E-01
2.2016000E+03	3.7921000E-01	8.2932000E-01	3.1448000E-01	5.1376000E-01
2.2017000E+03	3.8791000E-01	8.2930000E-01	3.2170000E-01	5.2554000E-01
2.2018000E+03	3.9656000E-01	8.2927000E-01	3.2886000E-01	5.3724000E-01
2.2019000E+03	4.0514000E-01	8.2925000E-01	3.3596000E-01	5.4884000E-01
2.2020000E+03	4.1364000E-01	8.2922000E-01	3.4300000E-01	5.6034000E-01
2.2021000E+03	4.2205000E-01	8.2920000E-01	3.4996000E-01	5.7172000E-01
2.2022000E+03	4.3036000E-01	8.2918000E-01	3.5685000E-01	5.8297000E-01
2.2023000E+03	4.3858000E-01	8.2916000E-01	3.6365000E-01	5.9407000E-01
2.2024000E+03	4.4668000E-01	8.2913000E-01	3.7036000E-01	6.0503000E-01
2.2025000E+03	4.5466000E-01	8.2911000E-01	3.7697000E-01	6.1583000E-01
2.2026000E+03	4.6252000E-01	8.2909000E-01	3.8347000E-01	6.2646000E-01
2.2027000E+03	4.7025000E-01	8.2906000E-01	3.8987000E-01	6.3691000E-01
2.2028000E+03	4.7785000E-01	8.2904000E-01	3.9616000E-01	6.4718000E-01
2.2029000E+03	4.8531000E-01	8.2902000E-01	4.0233000E-01	6.5726000E-01
2.2030000E+03	4.9262000E-01	8.2900000E-01	4.0838000E-01	6.6715000E-01
2.2031000E+03	4.9978000E-01	8.2897000E-01	4.1430000E-01	6.7683000E-01
2.2032000E+03	5.0679000E-01	8.2894000E-01	4.2010000E-01	6.8630000E-01
2.2033000E+03	5.1365000E-01	8.2892000E-01	4.2577000E-01	6.9556000E-01
2.2034000E+03	5.2034000E-01	8.2889000E-01	4.3131000E-01	7.0460000E-01
2.2035000E+03	5.2688000E-01	8.2886000E-01	4.3671000E-01	7.1343000E-01
2.2036000E+03	5.3324000E-01	8.2884000E-01	4.4197000E-01	7.2203000E-01
2.2037000E+03	5.3944000E-01	8.2881000E-01	4.4710000E-01	7.3040000E-01
2.2038000E+03	5.4547000E-01	8.2879000E-01	4.5208000E-01	7.3854000E-01

2.2039000E+03	5.5133000E-01	8.2876000E-01	4.5692000E-01	7.4645000E-01
2.2040000E+03	5.5701000E-01	8.2873000E-01	4.6162000E-01	7.5412000E-01
2.2041000E+03	5.6252000E-01	8.2872000E-01	4.6617000E-01	7.6155000E-01
2.2042000E+03	5.6785000E-01	8.2870000E-01	4.7057000E-01	7.6875000E-01
2.2043000E+03	5.7299000E-01	8.2868000E-01	4.7483000E-01	7.7570000E-01
2.2044000E+03	5.7796000E-01	8.2866000E-01	4.7893000E-01	7.8240000E-01
2.2045000E+03	5.8274000E-01	8.2864000E-01	4.8288000E-01	7.8885000E-01
2.2046000E+03	5.8733000E-01	8.2862000E-01	4.8667000E-01	7.9505000E-01
2.2047000E+03	5.9174000E-01	8.2860000E-01	4.9032000E-01	8.0100000E-01
2.2048000E+03	5.9596000E-01	8.2858000E-01	4.9380000E-01	8.0670000E-01
2.2049000E+03	6.0000000E-01	8.2856000E-01	4.9714000E-01	8.1215000E-01
2.2050000E+03	6.0385000E-01	8.2854000E-01	5.0032000E-01	8.1734000E-01
2.2051000E+03	6.0752000E-01	8.2852000E-01	5.0334000E-01	8.2228000E-01
2.2052000E+03	6.1100000E-01	8.2850000E-01	5.0621000E-01	8.2697000E-01
2.2053000E+03	6.1430000E-01	8.2848000E-01	5.0893000E-01	8.3142000E-01
2.2054000E+03	6.1742000E-01	8.2845000E-01	5.1150000E-01	8.3562000E-01
2.2055000E+03	6.2036000E-01	8.2843000E-01	5.1393000E-01	8.3958000E-01
2.2056000E+03	6.2314000E-01	8.2841000E-01	5.1621000E-01	8.4331000E-01
2.2057000E+03	6.2574000E-01	8.2839000E-01	5.1835000E-01	8.4681000E-01
2.2058000E+03	6.2818000E-01	8.2836000E-01	5.2036000E-01	8.5009000E-01
2.2059000E+03	6.3046000E-01	8.2834000E-01	5.2224000E-01	8.5315000E-01
2.2060000E+03	6.3259000E-01	8.2832000E-01	5.2399000E-01	8.5601000E-01
2.2061000E+03	6.3458000E-01	8.2833000E-01	5.2564000E-01	8.5871000E-01
2.2062000E+03	6.3642000E-01	8.2833000E-01	5.2717000E-01	8.6121000E-01
2.2063000E+03	6.3814000E-01	8.2834000E-01	5.2860000E-01	8.6354000E-01
2.2064000E+03	6.3973000E-01	8.2835000E-01	5.2992000E-01	8.6571000E-01
2.2065000E+03	6.4121000E-01	8.2836000E-01	5.3115000E-01	8.6772000E-01
2.2066000E+03	6.4258000E-01	8.2837000E-01	5.3229000E-01	8.6958000E-01
2.2067000E+03	6.4386000E-01	8.2837000E-01	5.3335000E-01	8.7131000E-01
2.2068000E+03	6.4504000E-01	8.2838000E-01	5.3434000E-01	8.7292000E-01
2.2069000E+03	6.4615000E-01	8.2839000E-01	5.3526000E-01	8.7443000E-01
2.2070000E+03	6.4718000E-01	8.2840000E-01	5.3612000E-01	8.7583000E-01
2.2071000E+03	6.4815000E-01	8.2841000E-01	5.3693000E-01	8.7716000E-01
2.2072000E+03	6.4906000E-01	8.2843000E-01	5.3770000E-01	8.7841000E-01
2.2073000E+03	6.4992000E-01	8.2844000E-01	5.3842000E-01	8.7960000E-01
2.2074000E+03	6.5075000E-01	8.2846000E-01	5.3912000E-01	8.8073000E-01
2.2075000E+03	6.5154000E-01	8.2848000E-01	5.3979000E-01	8.8182000E-01
2.2076000E+03	6.5231000E-01	8.2849000E-01	5.4044000E-01	8.8288000E-01
2.2077000E+03	6.5306000E-01	8.2851000E-01	5.4107000E-01	8.8392000E-01
2.2078000E+03	6.5381000E-01	8.2852000E-01	5.4169000E-01	8.8494000E-01
2.2079000E+03	6.5454000E-01	8.2854000E-01	5.4232000E-01	8.8595000E-01
2.2080000E+03	6.5528000E-01	8.2856000E-01	5.4294000E-01	8.8697000E-01
2.2081000E+03	6.5603000E-01	8.2854000E-01	5.4355000E-01	8.8797000E-01

2.2082000E+03	6.5679000E-01	8.2853000E-01	5.4417000E-01	8.8899000E-01
2.2083000E+03	6.5757000E-01	8.2852000E-01	5.4481000E-01	8.9003000E-01
2.2084000E+03	6.5838000E-01	8.2851000E-01	5.4547000E-01	8.9111000E-01
2.2085000E+03	6.5921000E-01	8.2849000E-01	5.4615000E-01	8.9222000E-01
2.2086000E+03	6.6008000E-01	8.2848000E-01	5.4687000E-01	8.9339000E-01
2.2087000E+03	6.6099000E-01	8.2847000E-01	5.4761000E-01	8.9460000E-01
2.2088000E+03	6.6194000E-01	8.2846000E-01	5.4839000E-01	8.9587000E-01
2.2089000E+03	6.6293000E-01	8.2844000E-01	5.4920000E-01	8.9720000E-01
2.2090000E+03	6.6397000E-01	8.2843000E-01	5.5005000E-01	8.9859000E-01
2.2091000E+03	6.6506000E-01	8.2843000E-01	5.5095000E-01	9.0006000E-01
2.2092000E+03	6.6620000E-01	8.2842000E-01	5.5189000E-01	9.0160000E-01
2.2093000E+03	6.6740000E-01	8.2841000E-01	5.5288000E-01	9.0321000E-01
2.2094000E+03	6.6865000E-01	8.2840000E-01	5.5391000E-01	9.0489000E-01
2.2095000E+03	6.6995000E-01	8.2840000E-01	5.5499000E-01	9.0665000E-01
2.2096000E+03	6.7131000E-01	8.2839000E-01	5.5611000E-01	9.0849000E-01
2.2097000E+03	6.7273000E-01	8.2838000E-01	5.5728000E-01	9.1039000E-01
2.2098000E+03	6.7420000E-01	8.2837000E-01	5.5849000E-01	9.1237000E-01
2.2099000E+03	6.7572000E-01	8.2837000E-01	5.5974000E-01	9.1442000E-01
2.2100000E+03	6.7729000E-01	8.2836000E-01	5.6104000E-01	9.1654000E-01
2.2101000E+03	6.7890000E-01	8.2836000E-01	5.6238000E-01	9.1873000E-01
2.2102000E+03	6.8056000E-01	8.2836000E-01	5.6376000E-01	9.2098000E-01
2.2103000E+03	6.8226000E-01	8.2837000E-01	5.6516000E-01	9.2328000E-01
2.2104000E+03	6.8400000E-01	8.2837000E-01	5.6660000E-01	9.2563000E-01
2.2105000E+03	6.8577000E-01	8.2837000E-01	5.6807000E-01	9.2803000E-01
2.2106000E+03	6.8756000E-01	8.2837000E-01	5.6956000E-01	9.3046000E-01
2.2107000E+03	6.8938000E-01	8.2837000E-01	5.7107000E-01	9.3292000E-01
2.2108000E+03	6.9122000E-01	8.2837000E-01	5.7259000E-01	9.3541000E-01
2.2109000E+03	6.9307000E-01	8.2838000E-01	5.7412000E-01	9.3791000E-01
2.2110000E+03	6.9493000E-01	8.2838000E-01	5.7566000E-01	9.4043000E-01
2.2111000E+03	6.9679000E-01	8.2842000E-01	5.7724000E-01	9.4300000E-01
2.2112000E+03	6.9866000E-01	8.2845000E-01	5.7881000E-01	9.4557000E-01
2.2113000E+03	7.0052000E-01	8.2849000E-01	5.8038000E-01	9.4813000E-01
2.2114000E+03	7.0237000E-01	8.2853000E-01	5.8194000E-01	9.5068000E-01
2.2115000E+03	7.0421000E-01	8.2857000E-01	5.8349000E-01	9.5322000E-01
2.2116000E+03	7.0604000E-01	8.2861000E-01	5.8503000E-01	9.5574000E-01
2.2117000E+03	7.0785000E-01	8.2865000E-01	5.8656000E-01	9.5823000E-01
2.2118000E+03	7.0964000E-01	8.2869000E-01	5.8807000E-01	9.6069000E-01
2.2119000E+03	7.1140000E-01	8.2873000E-01	5.8955000E-01	9.6312000E-01
2.2120000E+03	7.1313000E-01	8.2876000E-01	5.9102000E-01	9.6552000E-01
2.2121000E+03	7.1484000E-01	8.2880000E-01	5.9246000E-01	9.6787000E-01
2.2122000E+03	7.1652000E-01	8.2883000E-01	5.9387000E-01	9.7018000E-01
2.2123000E+03	7.1816000E-01	8.2887000E-01	5.9526000E-01	9.7244000E-01
2.2124000E+03	7.1976000E-01	8.2890000E-01	5.9661000E-01	9.7465000E-01

2.2125000E+03	7.2132000E-01	8.2894000E-01	5.9793000E-01	9.7680000E-01
2.2126000E+03	7.2283000E-01	8.2897000E-01	5.9921000E-01	9.7890000E-01
2.2127000E+03	7.2430000E-01	8.2900000E-01	6.0045000E-01	9.8093000E-01
2.2128000E+03	7.2572000E-01	8.2904000E-01	6.0165000E-01	9.8289000E-01
2.2129000E+03	7.2709000E-01	8.2907000E-01	6.0281000E-01	9.8478000E-01
2.2130000E+03	7.2839000E-01	8.2911000E-01	6.0392000E-01	9.8659000E-01
2.2131000E+03	7.2964000E-01	8.2914000E-01	6.0497000E-01	9.8831000E-01
2.2132000E+03	7.3081000E-01	8.2917000E-01	6.0597000E-01	9.8994000E-01
2.2133000E+03	7.3191000E-01	8.2920000E-01	6.0691000E-01	9.9147000E-01
2.2134000E+03	7.3294000E-01	8.2924000E-01	6.0778000E-01	9.9290000E-01
2.2135000E+03	7.3388000E-01	8.2927000E-01	6.0858000E-01	9.9421000E-01
2.2136000E+03	7.3474000E-01	8.2930000E-01	6.0932000E-01	9.9541000E-01
2.2137000E+03	7.3550000E-01	8.2933000E-01	6.0997000E-01	9.9648000E-01
2.2138000E+03	7.3616000E-01	8.2937000E-01	6.1055000E-01	9.9743000E-01
2.2139000E+03	7.3673000E-01	8.2940000E-01	6.1104000E-01	9.9823000E-01
2.2140000E+03	7.3719000E-01	8.2943000E-01	6.1145000E-01	9.9889000E-01
2.2141000E+03	7.3754000E-01	8.2946000E-01	6.1176000E-01	9.9940000E-01
2.2142000E+03	7.3777000E-01	8.2950000E-01	6.1198000E-01	9.9976000E-01
2.2143000E+03	7.3789000E-01	8.2953000E-01	6.1210000E-01	9.9996000E-01
2.2144000E+03	7.3789000E-01	8.2956000E-01	6.1213000E-01	1.0000000E+00
2.2145000E+03	7.3777000E-01	8.2960000E-01	6.1205000E-01	9.9988000E-01
2.2146000E+03	7.3753000E-01	8.2963000E-01	6.1187000E-01	9.9958000E-01
2.2147000E+03	7.3716000E-01	8.2966000E-01	6.1159000E-01	9.9913000E-01
2.2148000E+03	7.3667000E-01	8.2969000E-01	6.1121000E-01	9.9850000E-01
2.2149000E+03	7.3605000E-01	8.2973000E-01	6.1072000E-01	9.9770000E-01
2.2150000E+03	7.3531000E-01	8.2976000E-01	6.1013000E-01	9.9674000E-01
2.2151000E+03	7.3445000E-01	8.2979000E-01	6.0944000E-01	9.9561000E-01
2.2152000E+03	7.3346000E-01	8.2982000E-01	6.0864000E-01	9.9431000E-01
2.2153000E+03	7.3235000E-01	8.2986000E-01	6.0775000E-01	9.9284000E-01
2.2154000E+03	7.3112000E-01	8.2989000E-01	6.0675000E-01	9.9121000E-01
2.2155000E+03	7.2977000E-01	8.2992000E-01	6.0565000E-01	9.8942000E-01
2.2156000E+03	7.2830000E-01	8.2996000E-01	6.0445000E-01	9.8747000E-01
2.2157000E+03	7.2671000E-01	8.2999000E-01	6.0316000E-01	9.8535000E-01
2.2158000E+03	7.2500000E-01	8.3002000E-01	6.0176000E-01	9.8307000E-01
2.2159000E+03	7.2317000E-01	8.3005000E-01	6.0027000E-01	9.8063000E-01
2.2160000E+03	7.2123000E-01	8.3009000E-01	5.9868000E-01	9.7803000E-01
2.2161000E+03	7.1916000E-01	8.3010000E-01	5.9698000E-01	9.7525000E-01
2.2162000E+03	7.1698000E-01	8.3011000E-01	5.9517000E-01	9.7230000E-01
2.2163000E+03	7.1468000E-01	8.3012000E-01	5.9327000E-01	9.6920000E-01
2.2164000E+03	7.1226000E-01	8.3013000E-01	5.9127000E-01	9.6592000E-01
2.2165000E+03	7.0971000E-01	8.3014000E-01	5.8917000E-01	9.6249000E-01
2.2166000E+03	7.0705000E-01	8.3016000E-01	5.8696000E-01	9.5889000E-01
2.2167000E+03	7.0426000E-01	8.3017000E-01	5.8465000E-01	9.5512000E-01

2.2168000E+03	7.0135000E-01	8.3018000E-01	5.8224000E-01	9.5118000E-01
2.2169000E+03	6.9831000E-01	8.3019000E-01	5.7973000E-01	9.4707000E-01
2.2170000E+03	6.9514000E-01	8.3020000E-01	5.7711000E-01	9.4279000E-01
2.2171000E+03	6.9185000E-01	8.3021000E-01	5.7438000E-01	9.3834000E-01
2.2172000E+03	6.8844000E-01	8.3021000E-01	5.7155000E-01	9.3371000E-01
2.2173000E+03	6.8489000E-01	8.3022000E-01	5.6861000E-01	9.2891000E-01
2.2174000E+03	6.8122000E-01	8.3023000E-01	5.6557000E-01	9.2394000E-01
2.2175000E+03	6.7743000E-01	8.3024000E-01	5.6242000E-01	9.1880000E-01
2.2176000E+03	6.7351000E-01	8.3024000E-01	5.5918000E-01	9.1350000E-01
2.2177000E+03	6.6947000E-01	8.3025000E-01	5.5583000E-01	9.0803000E-01
2.2178000E+03	6.6531000E-01	8.3026000E-01	5.5238000E-01	9.0240000E-01
2.2179000E+03	6.6104000E-01	8.3026000E-01	5.4884000E-01	8.9661000E-01
2.2180000E+03	6.5665000E-01	8.3027000E-01	5.4520000E-01	8.9066000E-01
2.2181000E+03	6.5215000E-01	8.3027000E-01	5.4146000E-01	8.8456000E-01
2.2182000E+03	6.4754000E-01	8.3027000E-01	5.3764000E-01	8.7831000E-01
2.2183000E+03	6.4283000E-01	8.3027000E-01	5.3372000E-01	8.7192000E-01
2.2184000E+03	6.3801000E-01	8.3027000E-01	5.2972000E-01	8.6538000E-01
2.2185000E+03	6.3310000E-01	8.3027000E-01	5.2564000E-01	8.5872000E-01
2.2186000E+03	6.2808000E-01	8.3027000E-01	5.2148000E-01	8.5192000E-01
2.2187000E+03	6.2297000E-01	8.3027000E-01	5.1724000E-01	8.4498000E-01
2.2188000E+03	6.1777000E-01	8.3027000E-01	5.1292000E-01	8.3793000E-01
2.2189000E+03	6.1247000E-01	8.3027000E-01	5.0852000E-01	8.3074000E-01
2.2190000E+03	6.0708000E-01	8.3027000E-01	5.0404000E-01	8.2343000E-01
2.2191000E+03	6.0160000E-01	8.3027000E-01	4.9949000E-01	8.1599000E-01
2.2192000E+03	5.9603000E-01	8.3027000E-01	4.9486000E-01	8.0843000E-01
2.2193000E+03	5.9036000E-01	8.3026000E-01	4.9016000E-01	8.0075000E-01
2.2194000E+03	5.8461000E-01	8.3026000E-01	4.8538000E-01	7.9294000E-01
2.2195000E+03	5.7876000E-01	8.3026000E-01	4.8052000E-01	7.8500000E-01
2.2196000E+03	5.7282000E-01	8.3026000E-01	4.7558000E-01	7.7694000E-01
2.2197000E+03	5.6678000E-01	8.3025000E-01	4.7057000E-01	7.6875000E-01
2.2198000E+03	5.6065000E-01	8.3025000E-01	4.6548000E-01	7.6043000E-01
2.2199000E+03	5.5442000E-01	8.3025000E-01	4.6031000E-01	7.5198000E-01
2.2200000E+03	5.4810000E-01	8.3025000E-01	4.5506000E-01	7.4341000E-01
2.2201000E+03	5.4169000E-01	8.3029000E-01	4.4976000E-01	7.3475000E-01
2.2202000E+03	5.3519000E-01	8.3033000E-01	4.4439000E-01	7.2597000E-01
2.2203000E+03	5.2860000E-01	8.3038000E-01	4.3894000E-01	7.1707000E-01
2.2204000E+03	5.2192000E-01	8.3042000E-01	4.3341000E-01	7.0805000E-01
2.2205000E+03	5.1516000E-01	8.3046000E-01	4.2782000E-01	6.9891000E-01
2.2206000E+03	5.0833000E-01	8.3051000E-01	4.2217000E-01	6.8967000E-01
2.2207000E+03	5.0142000E-01	8.3055000E-01	4.1645000E-01	6.8034000E-01
2.2208000E+03	4.9444000E-01	8.3059000E-01	4.1068000E-01	6.7091000E-01
2.2209000E+03	4.8741000E-01	8.3064000E-01	4.0486000E-01	6.6140000E-01
2.2210000E+03	4.8033000E-01	8.3068000E-01	3.9900000E-01	6.5182000E-01

2.2211000E+03	4.7320000E-01	8.3072000E-01	3.9310000E-01	6.4218000E-01
2.2212000E+03	4.6604000E-01	8.3076000E-01	3.8716000E-01	6.3249000E-01
2.2213000E+03	4.5884000E-01	8.3079000E-01	3.8121000E-01	6.2276000E-01
2.2214000E+03	4.5163000E-01	8.3083000E-01	3.7523000E-01	6.1300000E-01
2.2215000E+03	4.4441000E-01	8.3087000E-01	3.6925000E-01	6.0322000E-01
2.2216000E+03	4.3718000E-01	8.3091000E-01	3.6326000E-01	5.9344000E-01
2.2217000E+03	4.2995000E-01	8.3095000E-01	3.5727000E-01	5.8365000E-01
2.2218000E+03	4.2273000E-01	8.3099000E-01	3.5129000E-01	5.7388000E-01
2.2219000E+03	4.1553000E-01	8.3103000E-01	3.4532000E-01	5.6412000E-01
2.2220000E+03	4.0834000E-01	8.3107000E-01	3.3936000E-01	5.5439000E-01
2.2221000E+03	4.0118000E-01	8.3108000E-01	3.3341000E-01	5.4468000E-01
2.2222000E+03	3.9404000E-01	8.3109000E-01	3.2748000E-01	5.3499000E-01
2.2223000E+03	3.8693000E-01	8.3111000E-01	3.2158000E-01	5.2534000E-01
2.2224000E+03	3.7984000E-01	8.3112000E-01	3.1569000E-01	5.1573000E-01
2.2225000E+03	3.7279000E-01	8.3113000E-01	3.0984000E-01	5.0616000E-01
2.2226000E+03	3.6576000E-01	8.3115000E-01	3.0400000E-01	4.9663000E-01
2.2227000E+03	3.5876000E-01	8.3116000E-01	2.9819000E-01	4.8714000E-01
2.2228000E+03	3.5179000E-01	8.3117000E-01	2.9240000E-01	4.7768000E-01
2.2229000E+03	3.4485000E-01	8.3119000E-01	2.8663000E-01	4.6826000E-01
2.2230000E+03	3.3793000E-01	8.3120000E-01	2.8089000E-01	4.5887000E-01
2.2231000E+03	3.3103000E-01	8.3121000E-01	2.7516000E-01	4.4951000E-01
2.2232000E+03	3.2416000E-01	8.3123000E-01	2.6945000E-01	4.4019000E-01
2.2233000E+03	3.1731000E-01	8.3124000E-01	2.6376000E-01	4.3089000E-01
2.2234000E+03	3.1048000E-01	8.3125000E-01	2.5809000E-01	4.2162000E-01
2.2235000E+03	3.0367000E-01	8.3127000E-01	2.5243000E-01	4.1238000E-01
2.2236000E+03	2.9689000E-01	8.3128000E-01	2.4680000E-01	4.0318000E-01
2.2237000E+03	2.9014000E-01	8.3129000E-01	2.4119000E-01	3.9402000E-01
2.2238000E+03	2.8341000E-01	8.3131000E-01	2.3560000E-01	3.8489000E-01
2.2239000E+03	2.7673000E-01	8.3132000E-01	2.3005000E-01	3.7582000E-01
2.2240000E+03	2.7008000E-01	8.3134000E-01	2.2453000E-01	3.6680000E-01
2.2241000E+03	2.6348000E-01	8.3134000E-01	2.1904000E-01	3.5784000E-01
2.2242000E+03	2.5693000E-01	8.3135000E-01	2.1360000E-01	3.4895000E-01
2.2243000E+03	2.5044000E-01	8.3136000E-01	2.0821000E-01	3.4014000E-01
2.2244000E+03	2.4402000E-01	8.3137000E-01	2.0287000E-01	3.3142000E-01
2.2245000E+03	2.3767000E-01	8.3138000E-01	1.9760000E-01	3.2280000E-01
2.2246000E+03	2.3141000E-01	8.3139000E-01	1.9239000E-01	3.1430000E-01
2.2247000E+03	2.2523000E-01	8.3140000E-01	1.8726000E-01	3.0591000E-01
2.2248000E+03	2.1915000E-01	8.3141000E-01	1.8221000E-01	2.9766000E-01
2.2249000E+03	2.1318000E-01	8.3142000E-01	1.7724000E-01	2.8955000E-01
2.2250000E+03	2.0731000E-01	8.3143000E-01	1.7236000E-01	2.8158000E-01
2.2251000E+03	2.0156000E-01	8.3145000E-01	1.6758000E-01	2.7377000E-01
2.2252000E+03	1.9592000E-01	8.3146000E-01	1.6290000E-01	2.6613000E-01
2.2253000E+03	1.9041000E-01	8.3148000E-01	1.5832000E-01	2.5864000E-01

2.2254000E+03	1.8501000E-01	8.3150000E-01	1.5384000E-01	2.5132000E-01
2.2255000E+03	1.7975000E-01	8.3151000E-01	1.4946000E-01	2.4417000E-01
2.2256000E+03	1.7460000E-01	8.3153000E-01	1.4518000E-01	2.3718000E-01
2.2257000E+03	1.6958000E-01	8.3154000E-01	1.4101000E-01	2.3036000E-01
2.2258000E+03	1.6467000E-01	8.3156000E-01	1.3693000E-01	2.2370000E-01
2.2259000E+03	1.5988000E-01	8.3158000E-01	1.3295000E-01	2.1720000E-01
2.2260000E+03	1.5520000E-01	8.3159000E-01	1.2907000E-01	2.1085000E-01
2.2261000E+03	1.5064000E-01	8.3159000E-01	1.2527000E-01	2.0465000E-01
2.2262000E+03	1.4618000E-01	8.3159000E-01	1.2156000E-01	1.9858000E-01
2.2263000E+03	1.4181000E-01	8.3158000E-01	1.1793000E-01	1.9265000E-01
2.2264000E+03	1.3755000E-01	8.3158000E-01	1.1438000E-01	1.8686000E-01
2.2265000E+03	1.3337000E-01	8.3158000E-01	1.1091000E-01	1.8118000E-01
2.2266000E+03	1.2928000E-01	8.3157000E-01	1.0750000E-01	1.7563000E-01
2.2267000E+03	1.2527000E-01	8.3157000E-01	1.0417000E-01	1.7018000E-01
2.2268000E+03	1.2135000E-01	8.3157000E-01	1.0091000E-01	1.6485000E-01
2.2269000E+03	1.1750000E-01	8.3156000E-01	9.7709000E-02	1.5962000E-01
2.2270000E+03	1.1373000E-01	8.3156000E-01	9.4573000E-02	1.5450000E-01
2.2271000E+03	1.1003000E-01	8.3156000E-01	9.1499000E-02	1.4948000E-01
2.2272000E+03	1.0642000E-01	8.3155000E-01	8.8490000E-02	1.4456000E-01
2.2273000E+03	1.0287000E-01	8.3155000E-01	8.5545000E-02	1.3975000E-01
2.2274000E+03	9.9410000E-02	8.3154000E-01	8.2663000E-02	1.3504000E-01
2.2275000E+03	9.6025000E-02	8.3154000E-01	7.9849000E-02	1.3044000E-01
2.2276000E+03	9.2723000E-02	8.3153000E-01	7.7102000E-02	1.2596000E-01
2.2277000E+03	8.9506000E-02	8.3153000E-01	7.4427000E-02	1.2159000E-01
2.2278000E+03	8.6376000E-02	8.3152000E-01	7.1824000E-02	1.1733000E-01
2.2279000E+03	8.3336000E-02	8.3152000E-01	6.9295000E-02	1.1320000E-01
2.2280000E+03	8.0388000E-02	8.3151000E-01	6.6844000E-02	1.0920000E-01
2.2281000E+03	7.7536000E-02	8.3152000E-01	6.4472000E-02	1.0533000E-01
2.2282000E+03	7.4779000E-02	8.3152000E-01	6.2181000E-02	1.0158000E-01
2.2283000E+03	7.2121000E-02	8.3153000E-01	5.9971000E-02	9.7971000E-02
2.2284000E+03	6.9561000E-02	8.3153000E-01	5.7842000E-02	9.4494000E-02
2.2285000E+03	6.7100000E-02	8.3154000E-01	5.5796000E-02	9.1151000E-02
2.2286000E+03	6.4736000E-02	8.3154000E-01	5.3831000E-02	8.7940000E-02
2.2287000E+03	6.2468000E-02	8.3155000E-01	5.1945000E-02	8.4860000E-02
2.2288000E+03	6.0295000E-02	8.3155000E-01	5.0138000E-02	8.1908000E-02
2.2289000E+03	5.8212000E-02	8.3156000E-01	4.8406000E-02	7.9079000E-02
2.2290000E+03	5.6217000E-02	8.3156000E-01	4.6747000E-02	7.6369000E-02
2.2291000E+03	5.4305000E-02	8.3156000E-01	4.5158000E-02	7.3772000E-02
2.2292000E+03	5.2472000E-02	8.3156000E-01	4.3634000E-02	7.1282000E-02
2.2293000E+03	5.0713000E-02	8.3156000E-01	4.2171000E-02	6.8893000E-02
2.2294000E+03	4.9024000E-02	8.3156000E-01	4.0767000E-02	6.6599000E-02
2.2295000E+03	4.7400000E-02	8.3156000E-01	3.9416000E-02	6.4393000E-02
2.2296000E+03	4.5836000E-02	8.3156000E-01	3.8116000E-02	6.2268000E-02

2.2297000E+03	4.4328000E-02	8.3156000E-01	3.6861000E-02	6.0218000E-02
2.2298000E+03	4.2870000E-02	8.3156000E-01	3.5649000E-02	5.8238000E-02
2.2299000E+03	4.1460000E-02	8.3155000E-01	3.4476000E-02	5.6322000E-02
2.2300000E+03	4.0095000E-02	8.3155000E-01	3.3341000E-02	5.4467000E-02
2.2301000E+03	3.8771000E-02	8.3159000E-01	3.2241000E-02	5.2671000E-02
2.2302000E+03	3.7487000E-02	8.3163000E-01	3.1175000E-02	5.0929000E-02
2.2303000E+03	3.6240000E-02	8.3167000E-01	3.0140000E-02	4.9238000E-02
2.2304000E+03	3.5031000E-02	8.3170000E-01	2.9135000E-02	4.7597000E-02
2.2305000E+03	3.3858000E-02	8.3174000E-01	2.8161000E-02	4.6005000E-02
2.2306000E+03	3.2721000E-02	8.3178000E-01	2.7217000E-02	4.4463000E-02
2.2307000E+03	3.1621000E-02	8.3182000E-01	2.6303000E-02	4.2970000E-02
2.2308000E+03	3.0558000E-02	8.3186000E-01	2.5420000E-02	4.1527000E-02
2.2309000E+03	2.9532000E-02	8.3190000E-01	2.4568000E-02	4.0135000E-02
2.2310000E+03	2.8545000E-02	8.3194000E-01	2.3748000E-02	3.8796000E-02
2.2311000E+03	2.7597000E-02	8.3198000E-01	2.2960000E-02	3.7509000E-02
2.2312000E+03	2.6688000E-02	8.3201000E-01	2.2205000E-02	3.6275000E-02
2.2313000E+03	2.5819000E-02	8.3205000E-01	2.1483000E-02	3.5096000E-02
2.2314000E+03	2.4989000E-02	8.3209000E-01	2.0793000E-02	3.3969000E-02
2.2315000E+03	2.4198000E-02	8.3213000E-01	2.0136000E-02	3.2895000E-02
2.2316000E+03	2.3444000E-02	8.3217000E-01	1.9509000E-02	3.1871000E-02
2.2317000E+03	2.2726000E-02	8.3221000E-01	1.8913000E-02	3.0897000E-02
2.2318000E+03	2.2042000E-02	8.3224000E-01	1.8345000E-02	2.9969000E-02
2.2319000E+03	2.1390000E-02	8.3228000E-01	1.7803000E-02	2.9083000E-02
2.2320000E+03	2.0767000E-02	8.3232000E-01	1.7285000E-02	2.8237000E-02
2.2321000E+03	2.0169000E-02	8.3235000E-01	1.6788000E-02	2.7426000E-02
2.2322000E+03	1.9594000E-02	8.3239000E-01	1.6310000E-02	2.6645000E-02
2.2323000E+03	1.9039000E-02	8.3242000E-01	1.5848000E-02	2.5890000E-02
2.2324000E+03	1.8499000E-02	8.3245000E-01	1.5399000E-02	2.5157000E-02
2.2325000E+03	1.7972000E-02	8.3248000E-01	1.4961000E-02	2.4441000E-02
2.2326000E+03	1.7454000E-02	8.3252000E-01	1.4531000E-02	2.3739000E-02
2.2327000E+03	1.6944000E-02	8.3255000E-01	1.4107000E-02	2.3046000E-02
2.2328000E+03	1.6439000E-02	8.3258000E-01	1.3687000E-02	2.2360000E-02
2.2329000E+03	1.5938000E-02	8.3261000E-01	1.3270000E-02	2.1679000E-02
2.2330000E+03	1.5438000E-02	8.3265000E-01	1.2855000E-02	2.1000000E-02
2.2331000E+03	1.4941000E-02	8.3268000E-01	1.2441000E-02	2.0324000E-02
2.2332000E+03	1.4445000E-02	8.3272000E-01	1.2029000E-02	1.9651000E-02
2.2333000E+03	1.3952000E-02	8.3275000E-01	1.1619000E-02	1.8981000E-02
2.2334000E+03	1.3464000E-02	8.3279000E-01	1.1212000E-02	1.8317000E-02
2.2335000E+03	1.2981000E-02	8.3282000E-01	1.0811000E-02	1.7661000E-02
2.2336000E+03	1.2507000E-02	8.3286000E-01	1.0417000E-02	1.7017000E-02
2.2337000E+03	1.2044000E-02	8.3289000E-01	1.0032000E-02	1.6388000E-02
2.2338000E+03	1.1596000E-02	8.3293000E-01	9.6590000E-03	1.5779000E-02
2.2339000E+03	1.1166000E-02	8.3296000E-01	9.3013000E-03	1.5195000E-02

2.2340000E+03	1.0758000E-02	8.3300000E-01	8.9612000E-03	1.4639000E-02
2.2341000E+03	1.0374000E-02	8.3302000E-01	8.6413000E-03	1.4117000E-02
2.2342000E+03	1.0017000E-02	8.3304000E-01	8.3443000E-03	1.3632000E-02
2.2343000E+03	9.6899000E-03	8.3307000E-01	8.0723000E-03	1.3187000E-02
2.2344000E+03	9.3953000E-03	8.3309000E-01	7.8271000E-03	1.2787000E-02
2.2345000E+03	9.1342000E-03	8.3311000E-01	7.6098000E-03	1.2432000E-02
2.2346000E+03	8.9076000E-03	8.3313000E-01	7.4213000E-03	1.2124000E-02
2.2347000E+03	8.7155000E-03	8.3316000E-01	7.2614000E-03	1.1863000E-02
2.2348000E+03	8.5571000E-03	8.3318000E-01	7.1296000E-03	1.1647000E-02
2.2349000E+03	8.4311000E-03	8.3320000E-01	7.0248000E-03	1.1476000E-02
2.2350000E+03	8.3353000E-03	8.3323000E-01	6.9452000E-03	1.1346000E-02
2.2351000E+03	8.2669000E-03	8.3325000E-01	6.8883000E-03	1.1253000E-02
2.2352000E+03	8.2224000E-03	8.3327000E-01	6.8514000E-03	1.1193000E-02
2.2353000E+03	8.1979000E-03	8.3329000E-01	6.8312000E-03	1.1160000E-02
2.2354000E+03	8.1890000E-03	8.3331000E-01	6.8239000E-03	1.1148000E-02
2.2355000E+03	8.1911000E-03	8.3332000E-01	6.8258000E-03	1.1151000E-02
2.2356000E+03	8.1993000E-03	8.3334000E-01	6.8329000E-03	1.1163000E-02
2.2357000E+03	8.2088000E-03	8.3336000E-01	6.8409000E-03	1.1176000E-02
2.2358000E+03	8.2149000E-03	8.3338000E-01	6.8461000E-03	1.1184000E-02
2.2359000E+03	8.2128000E-03	8.3340000E-01	6.8446000E-03	1.1182000E-02
2.2360000E+03	8.1985000E-03	8.3342000E-01	6.8328000E-03	1.1162000E-02
2.2361000E+03	8.1682000E-03	8.3345000E-01	6.8078000E-03	1.1122000E-02
2.2362000E+03	8.1188000E-03	8.3348000E-01	6.7669000E-03	1.1055000E-02
2.2363000E+03	8.0478000E-03	8.3352000E-01	6.7080000E-03	1.0959000E-02
2.2364000E+03	7.9536000E-03	8.3355000E-01	6.6297000E-03	1.0831000E-02
2.2365000E+03	7.8352000E-03	8.3358000E-01	6.5312000E-03	1.0670000E-02
2.2366000E+03	7.6924000E-03	8.3361000E-01	6.4125000E-03	1.0476000E-02
2.2367000E+03	7.5260000E-03	8.3364000E-01	6.2740000E-03	1.0249000E-02
2.2368000E+03	7.3373000E-03	8.3367000E-01	6.1169000E-03	9.9928000E-03
2.2369000E+03	7.1285000E-03	8.3370000E-01	5.9430000E-03	9.7088000E-03
2.2370000E+03	6.9023000E-03	8.3373000E-01	5.7547000E-03	9.4011000E-03
2.2371000E+03	6.6619000E-03	8.3376000E-01	5.5544000E-03	9.0740000E-03
2.2372000E+03	6.4111000E-03	8.3378000E-01	5.3455000E-03	8.7326000E-03
2.2373000E+03	6.1538000E-03	8.3380000E-01	5.1311000E-03	8.3824000E-03
2.2374000E+03	5.9022000E-03	8.3383000E-01	4.9214000E-03	8.0399000E-03
2.2375000E+03	5.6638000E-03	8.3385000E-01	4.7227000E-03	7.7153000E-03
2.2376000E+03	5.4302000E-03	8.3387000E-01	4.5281000E-03	7.3974000E-03
2.2377000E+03	5.2051000E-03	8.3389000E-01	4.3405000E-03	7.0908000E-03
2.2378000E+03	4.9914000E-03	8.3392000E-01	4.1624000E-03	6.7999000E-03
2.2379000E+03	4.7920000E-03	8.3394000E-01	3.9963000E-03	6.5285000E-03
2.2380000E+03	4.6096000E-03	8.3396000E-01	3.8442000E-03	6.2801000E-03
2.2381000E+03	4.4462000E-03	8.3395000E-01	3.7079000E-03	6.0574000E-03
2.2382000E+03	4.3034000E-03	8.3394000E-01	3.5888000E-03	5.8628000E-03

2.2383000E+03	4.1823000E-03	8.3393000E-01	3.4878000E-03	5.6978000E-03
2.2384000E+03	4.0837000E-03	8.3392000E-01	3.4055000E-03	5.5633000E-03
2.2385000E+03	4.0075000E-03	8.3391000E-01	3.3419000E-03	5.4595000E-03
2.2386000E+03	3.9534000E-03	8.3390000E-01	3.2968000E-03	5.3858000E-03
2.2387000E+03	3.9206000E-03	8.3389000E-01	3.2693000E-03	5.3409000E-03
2.2388000E+03	3.9076000E-03	8.3388000E-01	3.2584000E-03	5.3231000E-03
2.2389000E+03	3.9127000E-03	8.3387000E-01	3.2627000E-03	5.3301000E-03
2.2390000E+03	3.9339000E-03	8.3386000E-01	3.2803000E-03	5.3589000E-03
2.2391000E+03	3.9688000E-03	8.3385000E-01	3.3094000E-03	5.4064000E-03
2.2392000E+03	4.0149000E-03	8.3384000E-01	3.3478000E-03	5.4691000E-03
2.2393000E+03	4.0692000E-03	8.3384000E-01	3.3931000E-03	5.5431000E-03
2.2394000E+03	4.1292000E-03	8.3383000E-01	3.4430000E-03	5.6247000E-03
2.2395000E+03	4.1919000E-03	8.3382000E-01	3.4953000E-03	5.7101000E-03
2.2396000E+03	4.2546000E-03	8.3382000E-01	3.5476000E-03	5.7954000E-03
2.2397000E+03	4.3147000E-03	8.3381000E-01	3.5976000E-03	5.8772000E-03
2.2398000E+03	4.3696000E-03	8.3380000E-01	3.6434000E-03	5.9520000E-03
2.2399000E+03	4.4171000E-03	8.3379000E-01	3.6830000E-03	6.0167000E-03
2.2400000E+03	4.4552000E-03	8.3379000E-01	3.7147000E-03	6.0685000E-03
2.2401000E+03	4.4821000E-03	8.3379000E-01	3.7371000E-03	6.1052000E-03
2.2402000E+03	4.4963000E-03	8.3379000E-01	3.7490000E-03	6.1245000E-03
2.2403000E+03	4.4966000E-03	8.3379000E-01	3.7492000E-03	6.1249000E-03
2.2404000E+03	4.4821000E-03	8.3379000E-01	3.7371000E-03	6.1051000E-03
2.2405000E+03	4.4521000E-03	8.3379000E-01	3.7121000E-03	6.0643000E-03
2.2406000E+03	4.4064000E-03	8.3379000E-01	3.6740000E-03	6.0021000E-03
2.2407000E+03	4.3450000E-03	8.3380000E-01	3.6228000E-03	5.9184000E-03
2.2408000E+03	4.2681000E-03	8.3380000E-01	3.5588000E-03	5.8138000E-03
2.2409000E+03	4.1764000E-03	8.3380000E-01	3.4823000E-03	5.6889000E-03
2.2410000E+03	4.0707000E-03	8.3380000E-01	3.3941000E-03	5.5448000E-03
2.2411000E+03	3.9520000E-03	8.3380000E-01	3.2952000E-03	5.3832000E-03
2.2412000E+03	3.8217000E-03	8.3381000E-01	3.1866000E-03	5.2058000E-03
2.2413000E+03	3.6814000E-03	8.3381000E-01	3.0696000E-03	5.0146000E-03
2.2414000E+03	3.5326000E-03	8.3382000E-01	2.9455000E-03	4.8120000E-03
2.2415000E+03	3.3772000E-03	8.3382000E-01	2.8160000E-03	4.6003000E-03
2.2416000E+03	3.2172000E-03	8.3383000E-01	2.6826000E-03	4.3824000E-03
2.2417000E+03	3.0545000E-03	8.3383000E-01	2.5469000E-03	4.1607000E-03
2.2418000E+03	2.8910000E-03	8.3383000E-01	2.4106000E-03	3.9381000E-03
2.2419000E+03	2.7289000E-03	8.3384000E-01	2.2754000E-03	3.7173000E-03
2.2420000E+03	2.5699000E-03	8.3384000E-01	2.1429000E-03	3.5007000E-03
2.2421000E+03	0.0000000E+00	8.3388000E-01	0.0000000E+00	0.0000000E+00
Channel 15				

Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.2071000E+03	0.0000000E+00	8.2841000E-01	0.0000000E+00	0.0000000E+00
2.2072000E+03	6.5368000E-03	8.2843000E-01	5.4153000E-03	8.3294000E-03
2.2073000E+03	6.5812000E-03	8.2844000E-01	5.4522000E-03	8.3861000E-03
2.2074000E+03	6.6244000E-03	8.2846000E-01	5.4880000E-03	8.4413000E-03
2.2075000E+03	6.6661000E-03	8.2848000E-01	5.5227000E-03	8.4946000E-03
2.2076000E+03	6.7061000E-03	8.2849000E-01	5.5560000E-03	8.5458000E-03
2.2077000E+03	6.7442000E-03	8.2851000E-01	5.5876000E-03	8.5945000E-03
2.2078000E+03	6.7801000E-03	8.2852000E-01	5.6175000E-03	8.6404000E-03
2.2079000E+03	6.8137000E-03	8.2854000E-01	5.6454000E-03	8.6834000E-03
2.2080000E+03	6.8447000E-03	8.2856000E-01	5.6712000E-03	8.7231000E-03
2.2081000E+03	6.8730000E-03	8.2854000E-01	5.6945000E-03	8.7589000E-03
2.2082000E+03	6.8983000E-03	8.2853000E-01	5.7154000E-03	8.7911000E-03
2.2083000E+03	6.9206000E-03	8.2852000E-01	5.7338000E-03	8.8194000E-03
2.2084000E+03	6.9396000E-03	8.2851000E-01	5.7495000E-03	8.8435000E-03
2.2085000E+03	6.9554000E-03	8.2849000E-01	5.7625000E-03	8.8635000E-03
2.2086000E+03	6.9679000E-03	8.2848000E-01	5.7727000E-03	8.8792000E-03
2.2087000E+03	6.9769000E-03	8.2847000E-01	5.7801000E-03	8.8906000E-03
2.2088000E+03	6.9825000E-03	8.2846000E-01	5.7847000E-03	8.8976000E-03
2.2089000E+03	6.9847000E-03	8.2844000E-01	5.7864000E-03	8.9002000E-03
2.2090000E+03	6.9834000E-03	8.2843000E-01	5.7853000E-03	8.8986000E-03
2.2091000E+03	6.9789000E-03	8.2843000E-01	5.7815000E-03	8.8927000E-03
2.2092000E+03	6.9712000E-03	8.2842000E-01	5.7751000E-03	8.8828000E-03
2.2093000E+03	6.9605000E-03	8.2841000E-01	5.7661000E-03	8.8690000E-03
2.2094000E+03	6.9468000E-03	8.2840000E-01	5.7547000E-03	8.8515000E-03
2.2095000E+03	6.9304000E-03	8.2840000E-01	5.7411000E-03	8.8306000E-03
2.2096000E+03	6.9115000E-03	8.2839000E-01	5.7254000E-03	8.8065000E-03
2.2097000E+03	6.8905000E-03	8.2838000E-01	5.7080000E-03	8.7796000E-03
2.2098000E+03	6.8675000E-03	8.2837000E-01	5.6889000E-03	8.7502000E-03
2.2099000E+03	6.8430000E-03	8.2837000E-01	5.6685000E-03	8.7189000E-03
2.2100000E+03	6.8171000E-03	8.2836000E-01	5.6471000E-03	8.6859000E-03
2.2101000E+03	6.7905000E-03	8.2836000E-01	5.6250000E-03	8.6519000E-03
2.2102000E+03	6.7633000E-03	8.2836000E-01	5.6024000E-03	8.6173000E-03
2.2103000E+03	6.7360000E-03	8.2837000E-01	5.5799000E-03	8.5826000E-03
2.2104000E+03	6.7091000E-03	8.2837000E-01	5.5576000E-03	8.5483000E-03
2.2105000E+03	6.6830000E-03	8.2837000E-01	5.5360000E-03	8.5150000E-03
2.2106000E+03	6.6581000E-03	8.2837000E-01	5.5154000E-03	8.4834000E-03
2.2107000E+03	6.6350000E-03	8.2837000E-01	5.4963000E-03	8.4540000E-03
2.2108000E+03	6.6141000E-03	8.2837000E-01	5.4789000E-03	8.4273000E-03
2.2109000E+03	6.5959000E-03	8.2838000E-01	5.4639000E-03	8.4041000E-03

2.2110000E+03	6.5808000E-03	8.2838000E-01	5.4514000E-03	8.3849000E-03
2.2111000E+03	6.5694000E-03	8.2842000E-01	5.4422000E-03	8.3708000E-03
2.2112000E+03	6.5621000E-03	8.2845000E-01	5.4364000E-03	8.3619000E-03
2.2113000E+03	6.5595000E-03	8.2849000E-01	5.4345000E-03	8.3590000E-03
2.2114000E+03	6.5619000E-03	8.2853000E-01	5.4367000E-03	8.3624000E-03
2.2115000E+03	6.5698000E-03	8.2857000E-01	5.4436000E-03	8.3729000E-03
2.2116000E+03	6.5837000E-03	8.2861000E-01	5.4553000E-03	8.3910000E-03
2.2117000E+03	6.6039000E-03	8.2865000E-01	5.4723000E-03	8.4172000E-03
2.2118000E+03	6.6309000E-03	8.2869000E-01	5.4949000E-03	8.4519000E-03
2.2119000E+03	6.6650000E-03	8.2873000E-01	5.5234000E-03	8.4958000E-03
2.2120000E+03	6.7065000E-03	8.2876000E-01	5.5581000E-03	8.5491000E-03
2.2121000E+03	6.7558000E-03	8.2880000E-01	5.5992000E-03	8.6123000E-03
2.2122000E+03	6.8131000E-03	8.2883000E-01	5.6469000E-03	8.6857000E-03
2.2123000E+03	6.8787000E-03	8.2887000E-01	5.7015000E-03	8.7697000E-03
2.2124000E+03	6.9528000E-03	8.2890000E-01	5.7632000E-03	8.8645000E-03
2.2125000E+03	7.0356000E-03	8.2894000E-01	5.8320000E-03	8.9704000E-03
2.2126000E+03	7.1271000E-03	8.2897000E-01	5.9081000E-03	9.0875000E-03
2.2127000E+03	7.2275000E-03	8.2900000E-01	5.9917000E-03	9.2160000E-03
2.2128000E+03	7.3369000E-03	8.2904000E-01	6.0826000E-03	9.3558000E-03
2.2129000E+03	7.4553000E-03	8.2907000E-01	6.1810000E-03	9.5072000E-03
2.2130000E+03	7.5827000E-03	8.2911000E-01	6.2869000E-03	9.6700000E-03
2.2131000E+03	7.7190000E-03	8.2914000E-01	6.4001000E-03	9.8443000E-03
2.2132000E+03	7.8642000E-03	8.2917000E-01	6.5207000E-03	1.0030000E-02
2.2133000E+03	8.0180000E-03	8.2920000E-01	6.6486000E-03	1.0226000E-02
2.2134000E+03	8.1805000E-03	8.2924000E-01	6.7835000E-03	1.0434000E-02
2.2135000E+03	8.3513000E-03	8.2927000E-01	6.9255000E-03	1.0652000E-02
2.2136000E+03	8.5303000E-03	8.2930000E-01	7.0742000E-03	1.0881000E-02
2.2137000E+03	8.7173000E-03	8.2933000E-01	7.2296000E-03	1.1120000E-02
2.2138000E+03	8.9120000E-03	8.2937000E-01	7.3913000E-03	1.1369000E-02
2.2139000E+03	9.1140000E-03	8.2940000E-01	7.5592000E-03	1.1627000E-02
2.2140000E+03	9.3232000E-03	8.2943000E-01	7.7330000E-03	1.1894000E-02
2.2141000E+03	9.5392000E-03	8.2946000E-01	7.9124000E-03	1.2170000E-02
2.2142000E+03	9.7616000E-03	8.2950000E-01	8.0972000E-03	1.2455000E-02
2.2143000E+03	9.9902000E-03	8.2953000E-01	8.2871000E-03	1.2747000E-02
2.2144000E+03	1.0224000E-02	8.2956000E-01	8.4819000E-03	1.3046000E-02
2.2145000E+03	1.0464000E-02	8.2960000E-01	8.6811000E-03	1.3353000E-02
2.2146000E+03	1.0709000E-02	8.2963000E-01	8.8846000E-03	1.3666000E-02
2.2147000E+03	1.0959000E-02	8.2966000E-01	9.0922000E-03	1.3985000E-02
2.2148000E+03	1.1213000E-02	8.2969000E-01	9.3033000E-03	1.4310000E-02
2.2149000E+03	1.1471000E-02	8.2973000E-01	9.5179000E-03	1.4640000E-02
2.2150000E+03	1.1733000E-02	8.2976000E-01	9.7358000E-03	1.4975000E-02
2.2151000E+03	1.1999000E-02	8.2979000E-01	9.9566000E-03	1.5315000E-02
2.2152000E+03	1.2268000E-02	8.2982000E-01	1.0180000E-02	1.5658000E-02

2.2153000E+03	1.2540000E-02	8.2986000E-01	1.0406000E-02	1.6006000E-02
2.2154000E+03	1.2815000E-02	8.2989000E-01	1.0635000E-02	1.6357000E-02
2.2155000E+03	1.3092000E-02	8.2992000E-01	1.0865000E-02	1.6712000E-02
2.2156000E+03	1.3372000E-02	8.2996000E-01	1.1098000E-02	1.7070000E-02
2.2157000E+03	1.3654000E-02	8.2999000E-01	1.1333000E-02	1.7431000E-02
2.2158000E+03	1.3939000E-02	8.3002000E-01	1.1570000E-02	1.7796000E-02
2.2159000E+03	1.4226000E-02	8.3005000E-01	1.1808000E-02	1.8163000E-02
2.2160000E+03	1.4515000E-02	8.3009000E-01	1.2049000E-02	1.8533000E-02
2.2161000E+03	1.4807000E-02	8.3010000E-01	1.2292000E-02	1.8906000E-02
2.2162000E+03	1.5102000E-02	8.3011000E-01	1.2536000E-02	1.9282000E-02
2.2163000E+03	1.5399000E-02	8.3012000E-01	1.2783000E-02	1.9662000E-02
2.2164000E+03	1.5700000E-02	8.3013000E-01	1.3033000E-02	2.0046000E-02
2.2165000E+03	1.6003000E-02	8.3014000E-01	1.3285000E-02	2.0434000E-02
2.2166000E+03	1.6310000E-02	8.3016000E-01	1.3540000E-02	2.0826000E-02
2.2167000E+03	1.6622000E-02	8.3017000E-01	1.3799000E-02	2.1224000E-02
2.2168000E+03	1.6937000E-02	8.3018000E-01	1.4061000E-02	2.1628000E-02
2.2169000E+03	1.7258000E-02	8.3019000E-01	1.4328000E-02	2.2038000E-02
2.2170000E+03	1.7585000E-02	8.3020000E-01	1.4599000E-02	2.2455000E-02
2.2171000E+03	1.7918000E-02	8.3021000E-01	1.4875000E-02	2.2880000E-02
2.2172000E+03	1.8258000E-02	8.3021000E-01	1.5158000E-02	2.3315000E-02
2.2173000E+03	1.8606000E-02	8.3022000E-01	1.5447000E-02	2.3759000E-02
2.2174000E+03	1.8962000E-02	8.3023000E-01	1.5743000E-02	2.4215000E-02
2.2175000E+03	1.9328000E-02	8.3024000E-01	1.6047000E-02	2.4683000E-02
2.2176000E+03	1.9705000E-02	8.3024000E-01	1.6360000E-02	2.5164000E-02
2.2177000E+03	2.0094000E-02	8.3025000E-01	1.6683000E-02	2.5661000E-02
2.2178000E+03	2.0496000E-02	8.3026000E-01	1.7017000E-02	2.6174000E-02
2.2179000E+03	2.0912000E-02	8.3026000E-01	1.7362000E-02	2.6706000E-02
2.2180000E+03	2.1343000E-02	8.3027000E-01	1.7721000E-02	2.7257000E-02
2.2181000E+03	2.1792000E-02	8.3027000E-01	1.8093000E-02	2.7830000E-02
2.2182000E+03	2.2259000E-02	8.3027000E-01	1.8481000E-02	2.8426000E-02
2.2183000E+03	2.2745000E-02	8.3027000E-01	1.8885000E-02	2.9047000E-02
2.2184000E+03	2.3254000E-02	8.3027000E-01	1.9307000E-02	2.9696000E-02
2.2185000E+03	2.3785000E-02	8.3027000E-01	1.9748000E-02	3.0375000E-02
2.2186000E+03	2.4341000E-02	8.3027000E-01	2.0210000E-02	3.1086000E-02
2.2187000E+03	2.4925000E-02	8.3027000E-01	2.0694000E-02	3.1831000E-02
2.2188000E+03	2.5537000E-02	8.3027000E-01	2.1203000E-02	3.2612000E-02
2.2189000E+03	2.6180000E-02	8.3027000E-01	2.1736000E-02	3.3434000E-02
2.2190000E+03	2.6856000E-02	8.3027000E-01	2.2298000E-02	3.4297000E-02
2.2191000E+03	2.7567000E-02	8.3027000E-01	2.2888000E-02	3.5205000E-02
2.2192000E+03	2.8316000E-02	8.3027000E-01	2.3510000E-02	3.6161000E-02
2.2193000E+03	2.9104000E-02	8.3026000E-01	2.4164000E-02	3.7168000E-02
2.2194000E+03	2.9935000E-02	8.3026000E-01	2.4854000E-02	3.8229000E-02
2.2195000E+03	3.0811000E-02	8.3026000E-01	2.5581000E-02	3.9347000E-02

2.2196000E+03	3.1734000E-02	8.3026000E-01	2.6348000E-02	4.0526000E-02
2.2197000E+03	3.2708000E-02	8.3025000E-01	2.7156000E-02	4.1769000E-02
2.2198000E+03	3.3735000E-02	8.3025000E-01	2.8008000E-02	4.3080000E-02
2.2199000E+03	3.4817000E-02	8.3025000E-01	2.8907000E-02	4.4462000E-02
2.2200000E+03	3.5958000E-02	8.3025000E-01	2.9854000E-02	4.5920000E-02
2.2201000E+03	3.7162000E-02	8.3029000E-01	3.0855000E-02	4.7459000E-02
2.2202000E+03	3.8431000E-02	8.3033000E-01	3.1910000E-02	4.9082000E-02
2.2203000E+03	3.9768000E-02	8.3038000E-01	3.3022000E-02	5.0793000E-02
2.2204000E+03	4.1177000E-02	8.3042000E-01	3.4194000E-02	5.2595000E-02
2.2205000E+03	4.2661000E-02	8.3046000E-01	3.5428000E-02	5.4493000E-02
2.2206000E+03	4.4223000E-02	8.3051000E-01	3.6728000E-02	5.6492000E-02
2.2207000E+03	4.5868000E-02	8.3055000E-01	3.8096000E-02	5.8596000E-02
2.2208000E+03	4.7599000E-02	8.3059000E-01	3.9535000E-02	6.0810000E-02
2.2209000E+03	4.9419000E-02	8.3064000E-01	4.1049000E-02	6.3138000E-02
2.2210000E+03	5.1332000E-02	8.3068000E-01	4.2640000E-02	6.5586000E-02
2.2211000E+03	5.3342000E-02	8.3072000E-01	4.4312000E-02	6.8157000E-02
2.2212000E+03	5.5452000E-02	8.3076000E-01	4.6067000E-02	7.0857000E-02
2.2213000E+03	5.7667000E-02	8.3079000E-01	4.7910000E-02	7.3691000E-02
2.2214000E+03	5.9990000E-02	8.3083000E-01	4.9842000E-02	7.6663000E-02
2.2215000E+03	6.2426000E-02	8.3087000E-01	5.1868000E-02	7.9780000E-02
2.2216000E+03	6.4977000E-02	8.3091000E-01	5.3990000E-02	8.3044000E-02
2.2217000E+03	6.7649000E-02	8.3095000E-01	5.6213000E-02	8.6463000E-02
2.2218000E+03	7.0444000E-02	8.3099000E-01	5.8538000E-02	9.0039000E-02
2.2219000E+03	7.3367000E-02	8.3103000E-01	6.0970000E-02	9.3779000E-02
2.2220000E+03	7.6421000E-02	8.3107000E-01	6.3511000E-02	9.7688000E-02
2.2221000E+03	7.9610000E-02	8.3108000E-01	6.6162000E-02	1.0177000E-01
2.2222000E+03	8.2938000E-02	8.3109000E-01	6.8929000E-02	1.0602000E-01
2.2223000E+03	8.6407000E-02	8.3111000E-01	7.1814000E-02	1.1046000E-01
2.2224000E+03	9.0023000E-02	8.3112000E-01	7.4820000E-02	1.1508000E-01
2.2225000E+03	9.3787000E-02	8.3113000E-01	7.7949000E-02	1.1990000E-01
2.2226000E+03	9.7703000E-02	8.3115000E-01	8.1206000E-02	1.2490000E-01
2.2227000E+03	1.0177000E-01	8.3116000E-01	8.4591000E-02	1.3011000E-01
2.2228000E+03	1.0600000E-01	8.3117000E-01	8.8108000E-02	1.3552000E-01
2.2229000E+03	1.1039000E-01	8.3119000E-01	9.1759000E-02	1.4114000E-01
2.2230000E+03	1.1495000E-01	8.3120000E-01	9.5546000E-02	1.4696000E-01
2.2231000E+03	1.1967000E-01	8.3121000E-01	9.9470000E-02	1.5300000E-01
2.2232000E+03	1.2455000E-01	8.3123000E-01	1.0353000E-01	1.5925000E-01
2.2233000E+03	1.2961000E-01	8.3124000E-01	1.0774000E-01	1.6572000E-01
2.2234000E+03	1.3484000E-01	8.3125000E-01	1.1209000E-01	1.7240000E-01
2.2235000E+03	1.4024000E-01	8.3127000E-01	1.1658000E-01	1.7931000E-01
2.2236000E+03	1.4581000E-01	8.3128000E-01	1.2121000E-01	1.8644000E-01
2.2237000E+03	1.5156000E-01	8.3129000E-01	1.2599000E-01	1.9379000E-01
2.2238000E+03	1.5748000E-01	8.3131000E-01	1.3091000E-01	2.0136000E-01

2.2239000E+03	1.6358000E-01	8.3132000E-01	1.3598000E-01	2.0916000E-01
2.2240000E+03	1.6985000E-01	8.3134000E-01	1.4120000E-01	2.1718000E-01
2.2241000E+03	1.7629000E-01	8.3134000E-01	1.4656000E-01	2.2542000E-01
2.2242000E+03	1.8290000E-01	8.3135000E-01	1.5206000E-01	2.3388000E-01
2.2243000E+03	1.8969000E-01	8.3136000E-01	1.5770000E-01	2.4257000E-01
2.2244000E+03	1.9665000E-01	8.3137000E-01	1.6349000E-01	2.5146000E-01
2.2245000E+03	2.0377000E-01	8.3138000E-01	1.6941000E-01	2.6057000E-01
2.2246000E+03	2.1105000E-01	8.3139000E-01	1.7547000E-01	2.6989000E-01
2.2247000E+03	2.1850000E-01	8.3140000E-01	1.8166000E-01	2.7942000E-01
2.2248000E+03	2.2611000E-01	8.3141000E-01	1.8799000E-01	2.8915000E-01
2.2249000E+03	2.3387000E-01	8.3142000E-01	1.9444000E-01	2.9908000E-01
2.2250000E+03	2.4177000E-01	8.3143000E-01	2.0102000E-01	3.0919000E-01
2.2251000E+03	2.4983000E-01	8.3145000E-01	2.0772000E-01	3.1950000E-01
2.2252000E+03	2.5802000E-01	8.3146000E-01	2.1453000E-01	3.2998000E-01
2.2253000E+03	2.6635000E-01	8.3148000E-01	2.2146000E-01	3.4064000E-01
2.2254000E+03	2.7480000E-01	8.3150000E-01	2.2850000E-01	3.5146000E-01
2.2255000E+03	2.8338000E-01	8.3151000E-01	2.3563000E-01	3.6244000E-01
2.2256000E+03	2.9207000E-01	8.3153000E-01	2.4287000E-01	3.7356000E-01
2.2257000E+03	3.0088000E-01	8.3154000E-01	2.5019000E-01	3.8483000E-01
2.2258000E+03	3.0978000E-01	8.3156000E-01	2.5760000E-01	3.9622000E-01
2.2259000E+03	3.1877000E-01	8.3158000E-01	2.6508000E-01	4.0773000E-01
2.2260000E+03	3.2785000E-01	8.3159000E-01	2.7264000E-01	4.1936000E-01
2.2261000E+03	3.3701000E-01	8.3159000E-01	2.8026000E-01	4.3107000E-01
2.2262000E+03	3.4624000E-01	8.3159000E-01	2.8793000E-01	4.4287000E-01
2.2263000E+03	3.5552000E-01	8.3158000E-01	2.9565000E-01	4.5474000E-01
2.2264000E+03	3.6486000E-01	8.3158000E-01	3.0341000E-01	4.6668000E-01
2.2265000E+03	3.7424000E-01	8.3158000E-01	3.1121000E-01	4.7867000E-01
2.2266000E+03	3.8364000E-01	8.3157000E-01	3.1903000E-01	4.9071000E-01
2.2267000E+03	3.9307000E-01	8.3157000E-01	3.2687000E-01	5.0276000E-01
2.2268000E+03	4.0251000E-01	8.3157000E-01	3.3472000E-01	5.1484000E-01
2.2269000E+03	4.1195000E-01	8.3156000E-01	3.4257000E-01	5.2691000E-01
2.2270000E+03	4.2139000E-01	8.3156000E-01	3.5041000E-01	5.3898000E-01
2.2271000E+03	4.3081000E-01	8.3156000E-01	3.5824000E-01	5.5102000E-01
2.2272000E+03	4.4019000E-01	8.3155000E-01	3.6604000E-01	5.6302000E-01
2.2273000E+03	4.4954000E-01	8.3155000E-01	3.7382000E-01	5.7498000E-01
2.2274000E+03	4.5884000E-01	8.3154000E-01	3.8155000E-01	5.8687000E-01
2.2275000E+03	4.6809000E-01	8.3154000E-01	3.8923000E-01	5.9869000E-01
2.2276000E+03	4.7726000E-01	8.3153000E-01	3.9686000E-01	6.1042000E-01
2.2277000E+03	4.8636000E-01	8.3153000E-01	4.0442000E-01	6.2205000E-01
2.2278000E+03	4.9537000E-01	8.3152000E-01	4.1191000E-01	6.3357000E-01
2.2279000E+03	5.0428000E-01	8.3152000E-01	4.1932000E-01	6.4496000E-01
2.2280000E+03	5.1309000E-01	8.3151000E-01	4.2664000E-01	6.5623000E-01
2.2281000E+03	5.2178000E-01	8.3152000E-01	4.3387000E-01	6.6735000E-01

2.2282000E+03	5.3035000E-01	8.3152000E-01	4.4100000E-01	6.7831000E-01
2.2283000E+03	5.3878000E-01	8.3153000E-01	4.4802000E-01	6.8910000E-01
2.2284000E+03	5.4708000E-01	8.3153000E-01	4.5492000E-01	6.9972000E-01
2.2285000E+03	5.5524000E-01	8.3154000E-01	4.6170000E-01	7.1015000E-01
2.2286000E+03	5.6323000E-01	8.3154000E-01	4.6835000E-01	7.2039000E-01
2.2287000E+03	5.7107000E-01	8.3155000E-01	4.7487000E-01	7.3042000E-01
2.2288000E+03	5.7875000E-01	8.3155000E-01	4.8126000E-01	7.4023000E-01
2.2289000E+03	5.8625000E-01	8.3156000E-01	4.8750000E-01	7.4983000E-01
2.2290000E+03	5.9357000E-01	8.3156000E-01	4.9359000E-01	7.5920000E-01
2.2291000E+03	6.0071000E-01	8.3156000E-01	4.9952000E-01	7.6833000E-01
2.2292000E+03	6.0766000E-01	8.3156000E-01	5.0531000E-01	7.7723000E-01
2.2293000E+03	6.1442000E-01	8.3156000E-01	5.1093000E-01	7.8588000E-01
2.2294000E+03	6.2099000E-01	8.3156000E-01	5.1639000E-01	7.9428000E-01
2.2295000E+03	6.2736000E-01	8.3156000E-01	5.2169000E-01	8.0243000E-01
2.2296000E+03	6.3353000E-01	8.3156000E-01	5.2682000E-01	8.1032000E-01
2.2297000E+03	6.3950000E-01	8.3156000E-01	5.3179000E-01	8.1796000E-01
2.2298000E+03	6.4527000E-01	8.3156000E-01	5.3658000E-01	8.2533000E-01
2.2299000E+03	6.5084000E-01	8.3155000E-01	5.4121000E-01	8.3245000E-01
2.2300000E+03	6.5620000E-01	8.3155000E-01	5.4567000E-01	8.3931000E-01
2.2301000E+03	6.6137000E-01	8.3159000E-01	5.4998000E-01	8.4595000E-01
2.2302000E+03	6.6633000E-01	8.3163000E-01	5.5414000E-01	8.5233000E-01
2.2303000E+03	6.7109000E-01	8.3167000E-01	5.5812000E-01	8.5846000E-01
2.2304000E+03	6.7565000E-01	8.3170000E-01	5.6194000E-01	8.6434000E-01
2.2305000E+03	6.8002000E-01	8.3174000E-01	5.6560000E-01	8.6996000E-01
2.2306000E+03	6.8419000E-01	8.3178000E-01	5.6909000E-01	8.7534000E-01
2.2307000E+03	6.8817000E-01	8.3182000E-01	5.7243000E-01	8.8048000E-01
2.2308000E+03	6.9196000E-01	8.3186000E-01	5.7562000E-01	8.8537000E-01
2.2309000E+03	6.9558000E-01	8.3190000E-01	5.7865000E-01	8.9004000E-01
2.2310000E+03	6.9901000E-01	8.3194000E-01	5.8153000E-01	8.9447000E-01
2.2311000E+03	7.0227000E-01	8.3198000E-01	5.8427000E-01	8.9869000E-01
2.2312000E+03	7.0536000E-01	8.3201000E-01	5.8687000E-01	9.0269000E-01
2.2313000E+03	7.0829000E-01	8.3205000E-01	5.8934000E-01	9.0647000E-01
2.2314000E+03	7.1106000E-01	8.3209000E-01	5.9167000E-01	9.1006000E-01
2.2315000E+03	7.1368000E-01	8.3213000E-01	5.9387000E-01	9.1345000E-01
2.2316000E+03	7.1615000E-01	8.3217000E-01	5.9596000E-01	9.1666000E-01
2.2317000E+03	7.1848000E-01	8.3221000E-01	5.9792000E-01	9.1968000E-01
2.2318000E+03	7.2068000E-01	8.3224000E-01	5.9978000E-01	9.2254000E-01
2.2319000E+03	7.2275000E-01	8.3228000E-01	6.0153000E-01	9.2523000E-01
2.2320000E+03	7.2470000E-01	8.3232000E-01	6.0318000E-01	9.2777000E-01
2.2321000E+03	7.2653000E-01	8.3235000E-01	6.0473000E-01	9.3015000E-01
2.2322000E+03	7.2826000E-01	8.3239000E-01	6.0619000E-01	9.3240000E-01
2.2323000E+03	7.2988000E-01	8.3242000E-01	6.0757000E-01	9.3451000E-01
2.2324000E+03	7.3141000E-01	8.3245000E-01	6.0886000E-01	9.3651000E-01

2.2325000E+03	7.3285000E-01	8.3248000E-01	6.1009000E-01	9.3839000E-01
2.2326000E+03	7.3421000E-01	8.3252000E-01	6.1124000E-01	9.4017000E-01
2.2327000E+03	7.3549000E-01	8.3255000E-01	6.1233000E-01	9.4185000E-01
2.2328000E+03	7.3670000E-01	8.3258000E-01	6.1337000E-01	9.4344000E-01
2.2329000E+03	7.3785000E-01	8.3261000E-01	6.1435000E-01	9.4494000E-01
2.2330000E+03	7.3894000E-01	8.3265000E-01	6.1528000E-01	9.4638000E-01
2.2331000E+03	7.3998000E-01	8.3268000E-01	6.1617000E-01	9.4775000E-01
2.2332000E+03	7.4097000E-01	8.3272000E-01	6.1702000E-01	9.4906000E-01
2.2333000E+03	7.4193000E-01	8.3275000E-01	6.1784000E-01	9.5032000E-01
2.2334000E+03	7.4284000E-01	8.3279000E-01	6.1863000E-01	9.5153000E-01
2.2335000E+03	7.4372000E-01	8.3282000E-01	6.1939000E-01	9.5269000E-01
2.2336000E+03	7.4457000E-01	8.3286000E-01	6.2012000E-01	9.5383000E-01
2.2337000E+03	7.4540000E-01	8.3289000E-01	6.2084000E-01	9.5493000E-01
2.2338000E+03	7.4621000E-01	8.3293000E-01	6.2154000E-01	9.5601000E-01
2.2339000E+03	7.4701000E-01	8.3296000E-01	6.2223000E-01	9.5707000E-01
2.2340000E+03	7.4779000E-01	8.3300000E-01	6.2291000E-01	9.5811000E-01
2.2341000E+03	7.4856000E-01	8.3302000E-01	6.2357000E-01	9.5913000E-01
2.2342000E+03	7.4933000E-01	8.3304000E-01	6.2422000E-01	9.6014000E-01
2.2343000E+03	7.5009000E-01	8.3307000E-01	6.2487000E-01	9.6114000E-01
2.2344000E+03	7.5085000E-01	8.3309000E-01	6.2552000E-01	9.6214000E-01
2.2345000E+03	7.5161000E-01	8.3311000E-01	6.2617000E-01	9.6313000E-01
2.2346000E+03	7.5237000E-01	8.3313000E-01	6.2682000E-01	9.6413000E-01
2.2347000E+03	7.5313000E-01	8.3316000E-01	6.2747000E-01	9.6514000E-01
2.2348000E+03	7.5389000E-01	8.3318000E-01	6.2813000E-01	9.6614000E-01
2.2349000E+03	7.5466000E-01	8.3320000E-01	6.2879000E-01	9.6715000E-01
2.2350000E+03	7.5543000E-01	8.3323000E-01	6.2945000E-01	9.6817000E-01
2.2351000E+03	7.5621000E-01	8.3325000E-01	6.3011000E-01	9.6919000E-01
2.2352000E+03	7.5699000E-01	8.3327000E-01	6.3078000E-01	9.7022000E-01
2.2353000E+03	7.5778000E-01	8.3329000E-01	6.3145000E-01	9.7125000E-01
2.2354000E+03	7.5857000E-01	8.3331000E-01	6.3212000E-01	9.7228000E-01
2.2355000E+03	7.5937000E-01	8.3332000E-01	6.3280000E-01	9.7332000E-01
2.2356000E+03	7.6016000E-01	8.3334000E-01	6.3348000E-01	9.7437000E-01
2.2357000E+03	7.6096000E-01	8.3336000E-01	6.3416000E-01	9.7542000E-01
2.2358000E+03	7.6176000E-01	8.3338000E-01	6.3484000E-01	9.7646000E-01
2.2359000E+03	7.6256000E-01	8.3340000E-01	6.3552000E-01	9.7751000E-01
2.2360000E+03	7.6336000E-01	8.3342000E-01	6.3620000E-01	9.7856000E-01
2.2361000E+03	7.6415000E-01	8.3345000E-01	6.3689000E-01	9.7961000E-01
2.2362000E+03	7.6495000E-01	8.3348000E-01	6.3757000E-01	9.8067000E-01
2.2363000E+03	7.6573000E-01	8.3352000E-01	6.3825000E-01	9.8171000E-01
2.2364000E+03	7.6651000E-01	8.3355000E-01	6.3892000E-01	9.8274000E-01
2.2365000E+03	7.6728000E-01	8.3358000E-01	6.3959000E-01	9.8377000E-01
2.2366000E+03	7.6804000E-01	8.3361000E-01	6.4024000E-01	9.8478000E-01
2.2367000E+03	7.6878000E-01	8.3364000E-01	6.4089000E-01	9.8577000E-01

2.2368000E+03	7.6952000E-01	8.3367000E-01	6.4153000E-01	9.8675000E-01
2.2369000E+03	7.7024000E-01	8.3370000E-01	6.4215000E-01	9.8771000E-01
2.2370000E+03	7.7094000E-01	8.3373000E-01	6.4276000E-01	9.8864000E-01
2.2371000E+03	7.7162000E-01	8.3376000E-01	6.4334000E-01	9.8955000E-01
2.2372000E+03	7.7228000E-01	8.3378000E-01	6.4391000E-01	9.9042000E-01
2.2373000E+03	7.7293000E-01	8.3380000E-01	6.4447000E-01	9.9127000E-01
2.2374000E+03	7.7355000E-01	8.3383000E-01	6.4500000E-01	9.9210000E-01
2.2375000E+03	7.7414000E-01	8.3385000E-01	6.4552000E-01	9.9289000E-01
2.2376000E+03	7.7471000E-01	8.3387000E-01	6.4601000E-01	9.9365000E-01
2.2377000E+03	7.7526000E-01	8.3389000E-01	6.4648000E-01	9.9437000E-01
2.2378000E+03	7.7578000E-01	8.3392000E-01	6.4693000E-01	9.9507000E-01
2.2379000E+03	7.7627000E-01	8.3394000E-01	6.4736000E-01	9.9572000E-01
2.2380000E+03	7.7672000E-01	8.3396000E-01	6.4776000E-01	9.9634000E-01
2.2381000E+03	7.7715000E-01	8.3395000E-01	6.4811000E-01	9.9688000E-01
2.2382000E+03	7.7755000E-01	8.3394000E-01	6.4843000E-01	9.9737000E-01
2.2383000E+03	7.7792000E-01	8.3393000E-01	6.4873000E-01	9.9783000E-01
2.2384000E+03	7.7825000E-01	8.3392000E-01	6.4900000E-01	9.9825000E-01
2.2385000E+03	7.7856000E-01	8.3391000E-01	6.4925000E-01	9.9862000E-01
2.2386000E+03	7.7882000E-01	8.3390000E-01	6.4946000E-01	9.9895000E-01
2.2387000E+03	7.7906000E-01	8.3389000E-01	6.4965000E-01	9.9924000E-01
2.2388000E+03	7.7925000E-01	8.3388000E-01	6.4980000E-01	9.9948000E-01
2.2389000E+03	7.7942000E-01	8.3387000E-01	6.4993000E-01	9.9968000E-01
2.2390000E+03	7.7954000E-01	8.3386000E-01	6.5003000E-01	9.9983000E-01
2.2391000E+03	7.7963000E-01	8.3385000E-01	6.5010000E-01	9.9993000E-01
2.2392000E+03	7.7968000E-01	8.3384000E-01	6.5013000E-01	9.9999000E-01
2.2393000E+03	7.7970000E-01	8.3384000E-01	6.5014000E-01	1.0000000E+00
2.2394000E+03	7.7967000E-01	8.3383000E-01	6.5011000E-01	9.9996000E-01
2.2395000E+03	7.7961000E-01	8.3382000E-01	6.5006000E-01	9.9987000E-01
2.2396000E+03	7.7951000E-01	8.3382000E-01	6.4996000E-01	9.9973000E-01
2.2397000E+03	7.7936000E-01	8.3381000E-01	6.4984000E-01	9.9954000E-01
2.2398000E+03	7.7918000E-01	8.3380000E-01	6.4968000E-01	9.9929000E-01
2.2399000E+03	7.7895000E-01	8.3379000E-01	6.4948000E-01	9.9899000E-01
2.2400000E+03	7.7868000E-01	8.3379000E-01	6.4925000E-01	9.9863000E-01
2.2401000E+03	7.7836000E-01	8.3379000E-01	6.4899000E-01	9.9823000E-01
2.2402000E+03	7.7800000E-01	8.3379000E-01	6.4869000E-01	9.9777000E-01
2.2403000E+03	7.7759000E-01	8.3379000E-01	6.4835000E-01	9.9725000E-01
2.2404000E+03	7.7714000E-01	8.3379000E-01	6.4797000E-01	9.9666000E-01
2.2405000E+03	7.7663000E-01	8.3379000E-01	6.4755000E-01	9.9602000E-01
2.2406000E+03	7.7608000E-01	8.3379000E-01	6.4709000E-01	9.9530000E-01
2.2407000E+03	7.7547000E-01	8.3380000E-01	6.4658000E-01	9.9452000E-01
2.2408000E+03	7.7480000E-01	8.3380000E-01	6.4602000E-01	9.9367000E-01
2.2409000E+03	7.7408000E-01	8.3380000E-01	6.4542000E-01	9.9274000E-01
2.2410000E+03	7.7329000E-01	8.3380000E-01	6.4477000E-01	9.9174000E-01

2.2411000E+03	7.7245000E-01	8.3380000E-01	6.4407000E-01	9.9066000E-01
2.2412000E+03	7.7154000E-01	8.3381000E-01	6.4332000E-01	9.8950000E-01
2.2413000E+03	7.7056000E-01	8.3381000E-01	6.4251000E-01	9.8826000E-01
2.2414000E+03	7.6952000E-01	8.3382000E-01	6.4164000E-01	9.8692000E-01
2.2415000E+03	7.6840000E-01	8.3382000E-01	6.4071000E-01	9.8549000E-01
2.2416000E+03	7.6721000E-01	8.3383000E-01	6.3972000E-01	9.8397000E-01
2.2417000E+03	7.6594000E-01	8.3383000E-01	6.3866000E-01	9.8234000E-01
2.2418000E+03	7.6458000E-01	8.3383000E-01	6.3754000E-01	9.8061000E-01
2.2419000E+03	7.6315000E-01	8.3384000E-01	6.3634000E-01	9.7877000E-01
2.2420000E+03	7.6162000E-01	8.3384000E-01	6.3507000E-01	9.7682000E-01
2.2421000E+03	7.6000000E-01	8.3388000E-01	6.3375000E-01	9.7479000E-01
2.2422000E+03	7.5829000E-01	8.3391000E-01	6.3235000E-01	9.7263000E-01
2.2423000E+03	7.5648000E-01	8.3394000E-01	6.3086000E-01	9.7034000E-01
2.2424000E+03	7.5456000E-01	8.3398000E-01	6.2929000E-01	9.6793000E-01
2.2425000E+03	7.5254000E-01	8.3401000E-01	6.2763000E-01	9.6537000E-01
2.2426000E+03	7.5041000E-01	8.3405000E-01	6.2588000E-01	9.6268000E-01
2.2427000E+03	7.4817000E-01	8.3408000E-01	6.2403000E-01	9.5984000E-01
2.2428000E+03	7.4581000E-01	8.3411000E-01	6.2209000E-01	9.5685000E-01
2.2429000E+03	7.4333000E-01	8.3415000E-01	6.2004000E-01	9.5371000E-01
2.2430000E+03	7.4072000E-01	8.3418000E-01	6.1790000E-01	9.5040000E-01
2.2431000E+03	7.3799000E-01	8.3421000E-01	6.1564000E-01	9.4694000E-01
2.2432000E+03	7.3513000E-01	8.3425000E-01	6.1328000E-01	9.4330000E-01
2.2433000E+03	7.3213000E-01	8.3428000E-01	6.1080000E-01	9.3949000E-01
2.2434000E+03	7.2899000E-01	8.3432000E-01	6.0821000E-01	9.3551000E-01
2.2435000E+03	7.2572000E-01	8.3435000E-01	6.0550000E-01	9.3134000E-01
2.2436000E+03	7.2230000E-01	8.3439000E-01	6.0268000E-01	9.2699000E-01
2.2437000E+03	7.1873000E-01	8.3442000E-01	5.9973000E-01	9.2246000E-01
2.2438000E+03	7.1502000E-01	8.3445000E-01	5.9665000E-01	9.1773000E-01
2.2439000E+03	7.1115000E-01	8.3449000E-01	5.9345000E-01	9.1280000E-01
2.2440000E+03	7.0714000E-01	8.3452000E-01	5.9012000E-01	9.0768000E-01
2.2441000E+03	7.0296000E-01	8.3454000E-01	5.8665000E-01	9.0234000E-01
2.2442000E+03	6.9863000E-01	8.3456000E-01	5.8305000E-01	8.9680000E-01
2.2443000E+03	6.9414000E-01	8.3457000E-01	5.7931000E-01	8.9106000E-01
2.2444000E+03	6.8949000E-01	8.3459000E-01	5.7544000E-01	8.8510000E-01
2.2445000E+03	6.8468000E-01	8.3461000E-01	5.7144000E-01	8.7895000E-01
2.2446000E+03	6.7971000E-01	8.3463000E-01	5.6730000E-01	8.7258000E-01
2.2447000E+03	6.7457000E-01	8.3464000E-01	5.6303000E-01	8.6601000E-01
2.2448000E+03	6.6927000E-01	8.3466000E-01	5.5862000E-01	8.5923000E-01
2.2449000E+03	6.6381000E-01	8.3468000E-01	5.5407000E-01	8.5223000E-01
2.2450000E+03	6.5819000E-01	8.3470000E-01	5.4939000E-01	8.4503000E-01
2.2451000E+03	6.5241000E-01	8.3471000E-01	5.4457000E-01	8.3762000E-01
2.2452000E+03	6.4647000E-01	8.3473000E-01	5.3962000E-01	8.3001000E-01
2.2453000E+03	6.4037000E-01	8.3474000E-01	5.3454000E-01	8.2219000E-01

2.2454000E+03	6.3411000E-01	8.3477000E-01	5.2933000E-01	8.1418000E-01
2.2455000E+03	6.2769000E-01	8.3481000E-01	5.2400000E-01	8.0598000E-01
2.2456000E+03	6.2113000E-01	8.3484000E-01	5.1854000E-01	7.9759000E-01
2.2457000E+03	6.1441000E-01	8.3488000E-01	5.1296000E-01	7.8900000E-01
2.2458000E+03	6.0755000E-01	8.3492000E-01	5.0725000E-01	7.8022000E-01
2.2459000E+03	6.0054000E-01	8.3495000E-01	5.0142000E-01	7.7125000E-01
2.2460000E+03	5.9339000E-01	8.3499000E-01	4.9547000E-01	7.6210000E-01
2.2461000E+03	5.8611000E-01	8.3502000E-01	4.8941000E-01	7.5278000E-01
2.2462000E+03	5.7869000E-01	8.3505000E-01	4.8324000E-01	7.4328000E-01
2.2463000E+03	5.7114000E-01	8.3508000E-01	4.7695000E-01	7.3361000E-01
2.2464000E+03	5.6348000E-01	8.3511000E-01	4.7057000E-01	7.2379000E-01
2.2465000E+03	5.5569000E-01	8.3514000E-01	4.6408000E-01	7.1382000E-01
2.2466000E+03	5.4779000E-01	8.3517000E-01	4.5750000E-01	7.0370000E-01
2.2467000E+03	5.3978000E-01	8.3521000E-01	4.5083000E-01	6.9343000E-01
2.2468000E+03	5.3167000E-01	8.3524000E-01	4.4407000E-01	6.8304000E-01
2.2469000E+03	5.2347000E-01	8.3527000E-01	4.3724000E-01	6.7252000E-01
2.2470000E+03	5.1517000E-01	8.3530000E-01	4.3032000E-01	6.6189000E-01
2.2471000E+03	5.0679000E-01	8.3532000E-01	4.2334000E-01	6.5114000E-01
2.2472000E+03	4.9834000E-01	8.3534000E-01	4.1628000E-01	6.4030000E-01
2.2473000E+03	4.8981000E-01	8.3537000E-01	4.0917000E-01	6.2936000E-01
2.2474000E+03	4.8122000E-01	8.3539000E-01	4.0200000E-01	6.1833000E-01
2.2475000E+03	4.7257000E-01	8.3541000E-01	3.9479000E-01	6.0724000E-01
2.2476000E+03	4.6387000E-01	8.3544000E-01	3.8753000E-01	5.9608000E-01
2.2477000E+03	4.5513000E-01	8.3546000E-01	3.8024000E-01	5.8486000E-01
2.2478000E+03	4.4635000E-01	8.3548000E-01	3.7292000E-01	5.7360000E-01
2.2479000E+03	4.3754000E-01	8.3551000E-01	3.6557000E-01	5.6229000E-01
2.2480000E+03	4.2871000E-01	8.3553000E-01	3.5820000E-01	5.5096000E-01
2.2481000E+03	4.1987000E-01	8.3553000E-01	3.5082000E-01	5.3960000E-01
2.2482000E+03	4.1102000E-01	8.3553000E-01	3.4342000E-01	5.2823000E-01
2.2483000E+03	4.0218000E-01	8.3553000E-01	3.3603000E-01	5.1685000E-01
2.2484000E+03	3.9334000E-01	8.3552000E-01	3.2864000E-01	5.0549000E-01
2.2485000E+03	3.8451000E-01	8.3552000E-01	3.2127000E-01	4.9415000E-01
2.2486000E+03	3.7571000E-01	8.3552000E-01	3.1391000E-01	4.8283000E-01
2.2487000E+03	3.6693000E-01	8.3552000E-01	3.0658000E-01	4.7156000E-01
2.2488000E+03	3.5820000E-01	8.3552000E-01	2.9928000E-01	4.6033000E-01
2.2489000E+03	3.4950000E-01	8.3551000E-01	2.9201000E-01	4.4915000E-01
2.2490000E+03	3.4086000E-01	8.3551000E-01	2.8479000E-01	4.3804000E-01
2.2491000E+03	3.3227000E-01	8.3551000E-01	2.7761000E-01	4.2701000E-01
2.2492000E+03	3.2375000E-01	8.3550000E-01	2.7049000E-01	4.1605000E-01
2.2493000E+03	3.1529000E-01	8.3550000E-01	2.6342000E-01	4.0518000E-01
2.2494000E+03	3.0691000E-01	8.3549000E-01	2.5642000E-01	3.9441000E-01
2.2495000E+03	2.9862000E-01	8.3549000E-01	2.4949000E-01	3.8375000E-01
2.2496000E+03	2.9041000E-01	8.3548000E-01	2.4263000E-01	3.7319000E-01

2.2497000E+03	2.8229000E-01	8.3548000E-01	2.3585000E-01	3.6276000E-01
2.2498000E+03	2.7427000E-01	8.3547000E-01	2.2915000E-01	3.5246000E-01
2.2499000E+03	2.6636000E-01	8.3547000E-01	2.2254000E-01	3.4229000E-01
2.2500000E+03	2.5855000E-01	8.3546000E-01	2.1601000E-01	3.3226000E-01
2.2501000E+03	2.5086000E-01	8.3549000E-01	2.0959000E-01	3.2238000E-01
2.2502000E+03	2.4329000E-01	8.3552000E-01	2.0327000E-01	3.1266000E-01
2.2503000E+03	2.3584000E-01	8.3555000E-01	1.9706000E-01	3.0310000E-01
2.2504000E+03	2.2851000E-01	8.3558000E-01	1.9094000E-01	2.9369000E-01
2.2505000E+03	2.2132000E-01	8.3561000E-01	1.8494000E-01	2.8446000E-01
2.2506000E+03	2.1426000E-01	8.3564000E-01	1.7904000E-01	2.7539000E-01
2.2507000E+03	2.0733000E-01	8.3567000E-01	1.7326000E-01	2.6650000E-01
2.2508000E+03	2.0054000E-01	8.3570000E-01	1.6759000E-01	2.5778000E-01
2.2509000E+03	1.9390000E-01	8.3572000E-01	1.6205000E-01	2.4925000E-01
2.2510000E+03	1.8740000E-01	8.3575000E-01	1.5662000E-01	2.4090000E-01
2.2511000E+03	1.8104000E-01	8.3578000E-01	1.5131000E-01	2.3274000E-01
2.2512000E+03	1.7484000E-01	8.3581000E-01	1.4613000E-01	2.2477000E-01
2.2513000E+03	1.6878000E-01	8.3584000E-01	1.4107000E-01	2.1699000E-01
2.2514000E+03	1.6287000E-01	8.3586000E-01	1.3614000E-01	2.0940000E-01
2.2515000E+03	1.5712000E-01	8.3589000E-01	1.3134000E-01	2.0201000E-01
2.2516000E+03	1.5152000E-01	8.3592000E-01	1.2666000E-01	1.9481000E-01
2.2517000E+03	1.4607000E-01	8.3595000E-01	1.2210000E-01	1.8781000E-01
2.2518000E+03	1.4077000E-01	8.3597000E-01	1.1768000E-01	1.8101000E-01
2.2519000E+03	1.3563000E-01	8.3600000E-01	1.1338000E-01	1.7440000E-01
2.2520000E+03	1.3063000E-01	8.3603000E-01	1.0921000E-01	1.6798000E-01
2.2521000E+03	1.2579000E-01	8.3606000E-01	1.0517000E-01	1.6177000E-01
2.2522000E+03	1.2110000E-01	8.3610000E-01	1.0125000E-01	1.5574000E-01
2.2523000E+03	1.1656000E-01	8.3613000E-01	9.7461000E-02	1.4991000E-01
2.2524000E+03	1.1217000E-01	8.3617000E-01	9.3794000E-02	1.4427000E-01
2.2525000E+03	1.0793000E-01	8.3620000E-01	9.0249000E-02	1.3881000E-01
2.2526000E+03	1.0383000E-01	8.3623000E-01	8.6825000E-02	1.3355000E-01
2.2527000E+03	9.9873000E-02	8.3627000E-01	8.3521000E-02	1.2847000E-01
2.2528000E+03	9.6060000E-02	8.3630000E-01	8.0335000E-02	1.2357000E-01
2.2529000E+03	9.2386000E-02	8.3634000E-01	7.7266000E-02	1.1884000E-01
2.2530000E+03	8.8848000E-02	8.3637000E-01	7.4310000E-02	1.1430000E-01
2.2531000E+03	8.5445000E-02	8.3641000E-01	7.1467000E-02	1.0993000E-01
2.2532000E+03	8.2174000E-02	8.3645000E-01	6.8734000E-02	1.0572000E-01
2.2533000E+03	7.9032000E-02	8.3648000E-01	6.6109000E-02	1.0168000E-01
2.2534000E+03	7.6015000E-02	8.3652000E-01	6.3588000E-02	9.7806000E-02
2.2535000E+03	7.3121000E-02	8.3655000E-01	6.1170000E-02	9.4087000E-02
2.2536000E+03	7.0347000E-02	8.3659000E-01	5.8852000E-02	9.0522000E-02
2.2537000E+03	6.7690000E-02	8.3663000E-01	5.6631000E-02	8.7106000E-02
2.2538000E+03	6.5145000E-02	8.3666000E-01	5.4504000E-02	8.3835000E-02
2.2539000E+03	6.2710000E-02	8.3670000E-01	5.2469000E-02	8.0705000E-02

2.2540000E+03	6.0381000E-02	8.3673000E-01	5.0523000E-02	7.7711000E-02
2.2541000E+03	5.8155000E-02	8.3677000E-01	4.8662000E-02	7.4849000E-02
2.2542000E+03	5.6029000E-02	8.3680000E-01	4.6885000E-02	7.2114000E-02
2.2543000E+03	5.3998000E-02	8.3683000E-01	4.5187000E-02	6.9503000E-02
2.2544000E+03	5.2058000E-02	8.3686000E-01	4.3566000E-02	6.7010000E-02
2.2545000E+03	5.0208000E-02	8.3689000E-01	4.2019000E-02	6.4630000E-02
2.2546000E+03	4.8442000E-02	8.3692000E-01	4.0542000E-02	6.2360000E-02
2.2547000E+03	4.6758000E-02	8.3695000E-01	3.9134000E-02	6.0194000E-02
2.2548000E+03	4.5152000E-02	8.3697000E-01	3.7790000E-02	5.8127000E-02
2.2549000E+03	4.3620000E-02	8.3698000E-01	3.6509000E-02	5.6155000E-02
2.2550000E+03	4.2159000E-02	8.3699000E-01	3.5286000E-02	5.4275000E-02
2.2551000E+03	4.0765000E-02	8.3701000E-01	3.4121000E-02	5.2482000E-02
2.2552000E+03	3.9436000E-02	8.3702000E-01	3.3009000E-02	5.0772000E-02
2.2553000E+03	3.8167000E-02	8.3704000E-01	3.1948000E-02	4.9139000E-02
2.2554000E+03	3.6957000E-02	8.3705000E-01	3.0935000E-02	4.7582000E-02
2.2555000E+03	3.5801000E-02	8.3707000E-01	2.9968000E-02	4.6094000E-02
2.2556000E+03	3.4696000E-02	8.3709000E-01	2.9043000E-02	4.4673000E-02
2.2557000E+03	3.3640000E-02	8.3710000E-01	2.8160000E-02	4.3314000E-02
2.2558000E+03	3.2630000E-02	8.3712000E-01	2.7315000E-02	4.2014000E-02
2.2559000E+03	3.1663000E-02	8.3713000E-01	2.6506000E-02	4.0770000E-02
2.2560000E+03	3.0736000E-02	8.3715000E-01	2.5731000E-02	3.9577000E-02
2.2561000E+03	2.9847000E-02	8.3716000E-01	2.4987000E-02	3.8433000E-02
2.2562000E+03	2.8994000E-02	8.3716000E-01	2.4272000E-02	3.7334000E-02
2.2563000E+03	2.8173000E-02	8.3717000E-01	2.3586000E-02	3.6278000E-02
2.2564000E+03	2.7384000E-02	8.3718000E-01	2.2925000E-02	3.5262000E-02
2.2565000E+03	2.6624000E-02	8.3719000E-01	2.2289000E-02	3.4283000E-02
2.2566000E+03	2.5890000E-02	8.3719000E-01	2.1675000E-02	3.3339000E-02
2.2567000E+03	2.5182000E-02	8.3720000E-01	2.1082000E-02	3.2427000E-02
2.2568000E+03	2.4497000E-02	8.3721000E-01	2.0509000E-02	3.1546000E-02
2.2569000E+03	2.3834000E-02	8.3721000E-01	1.9954000E-02	3.0692000E-02
2.2570000E+03	2.3191000E-02	8.3722000E-01	1.9416000E-02	2.9864000E-02
2.2571000E+03	2.2567000E-02	8.3723000E-01	1.8894000E-02	2.9062000E-02
2.2572000E+03	2.1961000E-02	8.3724000E-01	1.8387000E-02	2.8281000E-02
2.2573000E+03	2.1372000E-02	8.3725000E-01	1.7894000E-02	2.7523000E-02
2.2574000E+03	2.0798000E-02	8.3725000E-01	1.7413000E-02	2.6784000E-02
2.2575000E+03	2.0239000E-02	8.3726000E-01	1.6946000E-02	2.6065000E-02
2.2576000E+03	1.9694000E-02	8.3727000E-01	1.6489000E-02	2.5363000E-02
2.2577000E+03	1.9162000E-02	8.3728000E-01	1.6044000E-02	2.4678000E-02
2.2578000E+03	1.8643000E-02	8.3729000E-01	1.5609000E-02	2.4009000E-02
2.2579000E+03	1.8135000E-02	8.3729000E-01	1.5184000E-02	2.3356000E-02
2.2580000E+03	1.7639000E-02	8.3730000E-01	1.4769000E-02	2.2717000E-02
2.2581000E+03	1.7154000E-02	8.3730000E-01	1.4363000E-02	2.2093000E-02
2.2582000E+03	1.6681000E-02	8.3730000E-01	1.3967000E-02	2.1483000E-02

2.2583000E+03	1.6217000E-02	8.3730000E-01	1.3579000E-02	2.0886000E-02
2.2584000E+03	1.5765000E-02	8.3730000E-01	1.3200000E-02	2.0303000E-02
2.2585000E+03	1.5322000E-02	8.3730000E-01	1.2829000E-02	1.9733000E-02
2.2586000E+03	1.4891000E-02	8.3729000E-01	1.2468000E-02	1.9177000E-02
2.2587000E+03	1.4469000E-02	8.3729000E-01	1.2115000E-02	1.8634000E-02
2.2588000E+03	1.4058000E-02	8.3729000E-01	1.1771000E-02	1.8105000E-02
2.2589000E+03	1.3657000E-02	8.3729000E-01	1.1435000E-02	1.7589000E-02
2.2590000E+03	1.3267000E-02	8.3729000E-01	1.1108000E-02	1.7086000E-02
2.2591000E+03	1.2888000E-02	8.3729000E-01	1.0791000E-02	1.6598000E-02
2.2592000E+03	1.2519000E-02	8.3728000E-01	1.0482000E-02	1.6123000E-02
2.2593000E+03	1.2162000E-02	8.3728000E-01	1.0183000E-02	1.5662000E-02
2.2594000E+03	1.1815000E-02	8.3728000E-01	9.8928000E-03	1.5216000E-02
2.2595000E+03	1.1480000E-02	8.3728000E-01	9.6123000E-03	1.4785000E-02
2.2596000E+03	1.1157000E-02	8.3728000E-01	9.3415000E-03	1.4368000E-02
2.2597000E+03	1.0845000E-02	8.3727000E-01	9.0804000E-03	1.3967000E-02
2.2598000E+03	1.0545000E-02	8.3727000E-01	8.8294000E-03	1.3581000E-02
2.2599000E+03	1.0258000E-02	8.3727000E-01	8.5883000E-03	1.3210000E-02
2.2600000E+03	9.9818000E-03	8.3727000E-01	8.3574000E-03	1.2855000E-02
2.2601000E+03	9.7183000E-03	8.3729000E-01	8.1371000E-03	1.2516000E-02
2.2602000E+03	9.4672000E-03	8.3732000E-01	7.9270000E-03	1.2193000E-02
2.2603000E+03	9.2284000E-03	8.3734000E-01	7.7273000E-03	1.1886000E-02
2.2604000E+03	9.0021000E-03	8.3737000E-01	7.5380000E-03	1.1594000E-02
2.2605000E+03	8.7882000E-03	8.3736000E-01	7.3588000E-03	1.1319000E-02
2.2606000E+03	8.5866000E-03	8.3735000E-01	7.1900000E-03	1.1059000E-02
2.2607000E+03	8.3974000E-03	8.3734000E-01	7.0315000E-03	1.0815000E-02
2.2608000E+03	8.2204000E-03	8.3733000E-01	6.8832000E-03	1.0587000E-02
2.2609000E+03	8.0554000E-03	8.3732000E-01	6.7450000E-03	1.0375000E-02
2.2610000E+03	7.9023000E-03	8.3731000E-01	6.6167000E-03	1.0177000E-02
2.2611000E+03	7.7609000E-03	8.3730000E-01	6.4982000E-03	9.9951000E-03
2.2612000E+03	7.6308000E-03	8.3729000E-01	6.3892000E-03	9.8275000E-03
2.2613000E+03	7.5119000E-03	8.3728000E-01	6.2896000E-03	9.6742000E-03
2.2614000E+03	7.4037000E-03	8.3728000E-01	6.1990000E-03	9.5348000E-03
2.2615000E+03	7.3060000E-03	8.3727000E-01	6.1171000E-03	9.4089000E-03
2.2616000E+03	7.2183000E-03	8.3726000E-01	6.0436000E-03	9.2958000E-03
2.2617000E+03	7.1402000E-03	8.3725000E-01	5.9781000E-03	9.1951000E-03
2.2618000E+03	7.0712000E-03	8.3724000E-01	5.9202000E-03	9.1061000E-03
2.2619000E+03	7.0108000E-03	8.3723000E-01	5.8697000E-03	9.0283000E-03
2.2620000E+03	6.9585000E-03	8.3722000E-01	5.8258000E-03	8.9609000E-03
2.2621000E+03	6.9139000E-03	8.3720000E-01	5.7884000E-03	8.9032000E-03
2.2622000E+03	6.8763000E-03	8.3719000E-01	5.7568000E-03	8.8546000E-03
2.2623000E+03	6.8452000E-03	8.3717000E-01	5.7306000E-03	8.8144000E-03
2.2624000E+03	6.8200000E-03	8.3715000E-01	5.7094000E-03	8.7817000E-03
2.2625000E+03	6.8001000E-03	8.3713000E-01	5.6926000E-03	8.7559000E-03

2.2626000E+03	6.7848000E-03	8.3712000E-01	5.6797000E-03	8.7361000E-03
2.2627000E+03	6.7738000E-03	8.3710000E-01	5.6703000E-03	8.7217000E-03
2.2628000E+03	6.7661000E-03	8.3708000E-01	5.6638000E-03	8.7117000E-03
2.2629000E+03	6.7615000E-03	8.3707000E-01	5.6598000E-03	8.7055000E-03
2.2630000E+03	6.7591000E-03	8.3705000E-01	5.6577000E-03	8.7023000E-03
2.2631000E+03	6.7585000E-03	8.3703000E-01	5.6571000E-03	8.7013000E-03
2.2632000E+03	6.7590000E-03	8.3701000E-01	5.6574000E-03	8.7018000E-03
2.2633000E+03	6.7602000E-03	8.3699000E-01	5.6582000E-03	8.7031000E-03
2.2634000E+03	6.7614000E-03	8.3697000E-01	5.6591000E-03	8.7045000E-03
2.2635000E+03	6.7622000E-03	8.3696000E-01	5.6597000E-03	8.7053000E-03
2.2636000E+03	6.7621000E-03	8.3694000E-01	5.6594000E-03	8.7050000E-03
2.2637000E+03	6.7606000E-03	8.3692000E-01	5.6581000E-03	8.7028000E-03
2.2638000E+03	6.7573000E-03	8.3690000E-01	5.6552000E-03	8.6984000E-03
2.2639000E+03	6.7517000E-03	8.3688000E-01	5.6504000E-03	8.6910000E-03
2.2640000E+03	6.7435000E-03	8.3686000E-01	5.6434000E-03	8.6803000E-03
2.2641000E+03	6.7324000E-03	8.3685000E-01	5.6340000E-03	8.6659000E-03
2.2642000E+03	6.7181000E-03	8.3684000E-01	5.6219000E-03	8.6472000E-03
2.2643000E+03	6.7002000E-03	8.3682000E-01	5.6069000E-03	8.6241000E-03
2.2644000E+03	6.6786000E-03	8.3681000E-01	5.5887000E-03	8.5961000E-03
2.2645000E+03	6.6530000E-03	8.3679000E-01	5.5672000E-03	8.5630000E-03
2.2646000E+03	6.6233000E-03	8.3678000E-01	5.5422000E-03	8.5246000E-03
2.2647000E+03	6.5893000E-03	8.3677000E-01	5.5137000E-03	8.4808000E-03
2.2648000E+03	6.5511000E-03	8.3675000E-01	5.4816000E-03	8.4315000E-03
2.2649000E+03	6.5085000E-03	8.3674000E-01	5.4459000E-03	8.3765000E-03
2.2650000E+03	6.4615000E-03	8.3673000E-01	5.4065000E-03	8.3160000E-03
2.2651000E+03	6.4103000E-03	8.3671000E-01	5.3635000E-03	8.2498000E-03
2.2652000E+03	6.3547000E-03	8.3670000E-01	5.3170000E-03	8.1782000E-03
2.2653000E+03	6.2950000E-03	8.3669000E-01	5.2670000E-03	8.1013000E-03
2.2654000E+03	6.2313000E-03	8.3667000E-01	5.2135000E-03	8.0190000E-03
2.2655000E+03	6.1637000E-03	8.3664000E-01	5.1568000E-03	7.9318000E-03
2.2656000E+03	6.0924000E-03	8.3661000E-01	5.0970000E-03	7.8398000E-03
2.2657000E+03	6.0177000E-03	8.3659000E-01	5.0344000E-03	7.7435000E-03
2.2658000E+03	5.9399000E-03	8.3656000E-01	4.9691000E-03	7.6431000E-03
2.2659000E+03	5.8591000E-03	8.3653000E-01	4.9013000E-03	7.5389000E-03
2.2660000E+03	5.7757000E-03	8.3651000E-01	4.8314000E-03	7.4314000E-03
2.2661000E+03	5.6900000E-03	8.3648000E-01	4.7596000E-03	7.3208000E-03
2.2662000E+03	5.6024000E-03	8.3644000E-01	4.6861000E-03	7.2078000E-03
2.2663000E+03	5.5132000E-03	8.3641000E-01	4.6113000E-03	7.0927000E-03
2.2664000E+03	5.4227000E-03	8.3638000E-01	4.5354000E-03	6.9760000E-03
2.2665000E+03	5.3313000E-03	8.3634000E-01	4.4588000E-03	6.8582000E-03
2.2666000E+03	5.2395000E-03	8.3631000E-01	4.3818000E-03	6.7398000E-03
2.2667000E+03	5.1475000E-03	8.3628000E-01	4.3047000E-03	6.6212000E-03
2.2668000E+03	5.0557000E-03	8.3624000E-01	4.2278000E-03	6.5029000E-03

2.2669000E+03	4.9646000E-03	8.3621000E-01	4.1515000E-03	6.3855000E-03
2.2670000E+03	4.8745000E-03	8.3618000E-01	4.0760000E-03	6.2693000E-03
2.2671000E+03	4.7858000E-03	8.3615000E-01	4.0016000E-03	6.1550000E-03
2.2672000E+03	4.6987000E-03	8.3612000E-01	3.9287000E-03	6.0429000E-03
2.2673000E+03	4.6138000E-03	8.3609000E-01	3.8575000E-03	5.9334000E-03
2.2674000E+03	4.5312000E-03	8.3607000E-01	3.7884000E-03	5.8270000E-03
2.2675000E+03	4.4513000E-03	8.3604000E-01	3.7214000E-03	5.7240000E-03
2.2676000E+03	4.3743000E-03	8.3601000E-01	3.6570000E-03	5.6249000E-03
2.2677000E+03	4.3006000E-03	8.3598000E-01	3.5952000E-03	5.5299000E-03
2.2678000E+03	4.2487000E-03	8.3596000E-01	3.5518000E-03	5.4631000E-03
2.2679000E+03	4.1832000E-03	8.3593000E-01	3.4968000E-03	5.3786000E-03
2.2680000E+03	4.1214000E-03	8.3590000E-01	3.4451000E-03	5.2990000E-03
2.2681000E+03	4.0635000E-03	8.3587000E-01	3.3966000E-03	5.2244000E-03
2.2682000E+03	0.0000000E+00	8.3584000E-01	0.0000000E+00	0.0000000E+00
Channel 16				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.2149000E+03	0.0000000E+00	8.2973000E-01	0.0000000E+00	0.0000000E+00
2.2150000E+03	1.2338000E-03	8.2976000E-01	1.0238000E-03	1.5397000E-03
2.2151000E+03	1.3013000E-03	8.2979000E-01	1.0798000E-03	1.6240000E-03
2.2152000E+03	1.3679000E-03	8.2982000E-01	1.1352000E-03	1.7072000E-03
2.2153000E+03	1.4338000E-03	8.2986000E-01	1.1898000E-03	1.7895000E-03
2.2154000E+03	1.4990000E-03	8.2989000E-01	1.2440000E-03	1.8709000E-03
2.2155000E+03	1.5639000E-03	8.2992000E-01	1.2979000E-03	1.9520000E-03
2.2156000E+03	1.6287000E-03	8.2996000E-01	1.3518000E-03	2.0330000E-03
2.2157000E+03	1.6939000E-03	8.2999000E-01	1.4060000E-03	2.1145000E-03
2.2158000E+03	1.7599000E-03	8.3002000E-01	1.4608000E-03	2.1969000E-03
2.2159000E+03	1.8271000E-03	8.3005000E-01	1.5166000E-03	2.2808000E-03
2.2160000E+03	1.8958000E-03	8.3009000E-01	1.5737000E-03	2.3668000E-03
2.2161000E+03	1.9667000E-03	8.3010000E-01	1.6325000E-03	2.4552000E-03
2.2162000E+03	2.0399000E-03	8.3011000E-01	1.6933000E-03	2.5467000E-03
2.2163000E+03	2.1158000E-03	8.3012000E-01	1.7564000E-03	2.6415000E-03
2.2164000E+03	2.1947000E-03	8.3013000E-01	1.8219000E-03	2.7400000E-03
2.2165000E+03	2.2766000E-03	8.3014000E-01	1.8899000E-03	2.8424000E-03
2.2166000E+03	2.3619000E-03	8.3016000E-01	1.9607000E-03	2.9488000E-03
2.2167000E+03	2.4503000E-03	8.3017000E-01	2.0341000E-03	3.0592000E-03
2.2168000E+03	2.5418000E-03	8.3018000E-01	2.1101000E-03	3.1735000E-03
2.2169000E+03	2.6362000E-03	8.3019000E-01	2.1886000E-03	3.2915000E-03
2.2170000E+03	2.7334000E-03	8.3020000E-01	2.2692000E-03	3.4128000E-03
2.2171000E+03	2.8328000E-03	8.3021000E-01	2.3518000E-03	3.5370000E-03
2.2172000E+03	2.9342000E-03	8.3021000E-01	2.4360000E-03	3.6636000E-03

2.2173000E+03	3.0370000E-03	8.3022000E-01	2.5213000E-03	3.7919000E-03
2.2174000E+03	3.1406000E-03	8.3023000E-01	2.6075000E-03	3.9214000E-03
2.2175000E+03	3.2447000E-03	8.3024000E-01	2.6938000E-03	4.0513000E-03
2.2176000E+03	3.3484000E-03	8.3024000E-01	2.7800000E-03	4.1809000E-03
2.2177000E+03	3.4512000E-03	8.3025000E-01	2.8654000E-03	4.3093000E-03
2.2178000E+03	3.5525000E-03	8.3026000E-01	2.9494000E-03	4.4358000E-03
2.2179000E+03	3.6515000E-03	8.3026000E-01	3.0317000E-03	4.5595000E-03
2.2180000E+03	3.7478000E-03	8.3027000E-01	3.1117000E-03	4.6797000E-03
2.2181000E+03	3.8406000E-03	8.3027000E-01	3.1887000E-03	4.7956000E-03
2.2182000E+03	3.9293000E-03	8.3027000E-01	3.2624000E-03	4.9064000E-03
2.2183000E+03	4.0134000E-03	8.3027000E-01	3.3322000E-03	5.0115000E-03
2.2184000E+03	4.0924000E-03	8.3027000E-01	3.3978000E-03	5.1101000E-03
2.2185000E+03	4.1657000E-03	8.3027000E-01	3.4587000E-03	5.2017000E-03
2.2186000E+03	4.2330000E-03	8.3027000E-01	3.5145000E-03	5.2857000E-03
2.2187000E+03	4.2938000E-03	8.3027000E-01	3.5650000E-03	5.3616000E-03
2.2188000E+03	4.3478000E-03	8.3027000E-01	3.6099000E-03	5.4290000E-03
2.2189000E+03	4.3947000E-03	8.3027000E-01	3.6488000E-03	5.4876000E-03
2.2190000E+03	4.4344000E-03	8.3027000E-01	3.6818000E-03	5.5371000E-03
2.2191000E+03	4.4667000E-03	8.3027000E-01	3.7085000E-03	5.5774000E-03
2.2192000E+03	4.4915000E-03	8.3027000E-01	3.7291000E-03	5.6083000E-03
2.2193000E+03	4.5088000E-03	8.3026000E-01	3.7435000E-03	5.6300000E-03
2.2194000E+03	4.5188000E-03	8.3026000E-01	3.7518000E-03	5.6424000E-03
2.2195000E+03	4.5215000E-03	8.3026000E-01	3.7540000E-03	5.6458000E-03
2.2196000E+03	4.5173000E-03	8.3026000E-01	3.7506000E-03	5.6406000E-03
2.2197000E+03	4.5065000E-03	8.3025000E-01	3.7415000E-03	5.6270000E-03
2.2198000E+03	4.4894000E-03	8.3025000E-01	3.7274000E-03	5.6057000E-03
2.2199000E+03	4.4666000E-03	8.3025000E-01	3.7084000E-03	5.5772000E-03
2.2200000E+03	4.4386000E-03	8.3025000E-01	3.6851000E-03	5.5422000E-03
2.2201000E+03	4.4061000E-03	8.3029000E-01	3.6583000E-03	5.5019000E-03
2.2202000E+03	4.3697000E-03	8.3033000E-01	3.6283000E-03	5.4568000E-03
2.2203000E+03	4.3303000E-03	8.3038000E-01	3.5958000E-03	5.4078000E-03
2.2204000E+03	4.2888000E-03	8.3042000E-01	3.5615000E-03	5.3562000E-03
2.2205000E+03	4.2460000E-03	8.3046000E-01	3.5261000E-03	5.3031000E-03
2.2206000E+03	4.2029000E-03	8.3051000E-01	3.4905000E-03	5.2495000E-03
2.2207000E+03	4.1606000E-03	8.3055000E-01	3.4556000E-03	5.1970000E-03
2.2208000E+03	4.1201000E-03	8.3059000E-01	3.4221000E-03	5.1467000E-03
2.2209000E+03	4.0826000E-03	8.3064000E-01	3.3911000E-03	5.1001000E-03
2.2210000E+03	4.0491000E-03	8.3068000E-01	3.3635000E-03	5.0584000E-03
2.2211000E+03	4.0207000E-03	8.3072000E-01	3.3400000E-03	5.0232000E-03
2.2212000E+03	3.9985000E-03	8.3076000E-01	3.3218000E-03	4.9957000E-03
2.2213000E+03	3.9836000E-03	8.3079000E-01	3.3095000E-03	4.9773000E-03
2.2214000E+03	3.9769000E-03	8.3083000E-01	3.3042000E-03	4.9693000E-03
2.2215000E+03	3.9795000E-03	8.3087000E-01	3.3065000E-03	4.9727000E-03

2.2216000E+03	3.9922000E-03	8.3091000E-01	3.3171000E-03	4.9888000E-03
2.2217000E+03	4.0157000E-03	8.3095000E-01	3.3369000E-03	5.0184000E-03
2.2218000E+03	4.0509000E-03	8.3099000E-01	3.3662000E-03	5.0626000E-03
2.2219000E+03	4.0982000E-03	8.3103000E-01	3.4057000E-03	5.1220000E-03
2.2220000E+03	4.1583000E-03	8.3107000E-01	3.4558000E-03	5.1973000E-03
2.2221000E+03	4.2315000E-03	8.3108000E-01	3.5167000E-03	5.2889000E-03
2.2222000E+03	4.3182000E-03	8.3109000E-01	3.5888000E-03	5.3974000E-03
2.2223000E+03	4.4187000E-03	8.3111000E-01	3.6724000E-03	5.5231000E-03
2.2224000E+03	4.5333000E-03	8.3112000E-01	3.7677000E-03	5.6664000E-03
2.2225000E+03	4.6622000E-03	8.3113000E-01	3.8749000E-03	5.8276000E-03
2.2226000E+03	4.8054000E-03	8.3115000E-01	3.9939000E-03	6.0066000E-03
2.2227000E+03	4.9630000E-03	8.3116000E-01	4.1251000E-03	6.2038000E-03
2.2228000E+03	5.1353000E-03	8.3117000E-01	4.2683000E-03	6.4192000E-03
2.2229000E+03	5.3222000E-03	8.3119000E-01	4.4237000E-03	6.6530000E-03
2.2230000E+03	5.5238000E-03	8.3120000E-01	4.5914000E-03	6.9052000E-03
2.2231000E+03	5.7403000E-03	8.3121000E-01	4.7714000E-03	7.1758000E-03
2.2232000E+03	5.9715000E-03	8.3123000E-01	4.9637000E-03	7.4651000E-03
2.2233000E+03	6.2177000E-03	8.3124000E-01	5.1684000E-03	7.7729000E-03
2.2234000E+03	6.4788000E-03	8.3125000E-01	5.3855000E-03	8.0994000E-03
2.2235000E+03	6.7548000E-03	8.3127000E-01	5.6150000E-03	8.4446000E-03
2.2236000E+03	7.0456000E-03	8.3128000E-01	5.8569000E-03	8.8084000E-03
2.2237000E+03	7.3514000E-03	8.3129000E-01	6.1112000E-03	9.1908000E-03
2.2238000E+03	7.6719000E-03	8.3131000E-01	6.3777000E-03	9.5917000E-03
2.2239000E+03	8.0071000E-03	8.3132000E-01	6.6565000E-03	1.0011000E-02
2.2240000E+03	8.3569000E-03	8.3134000E-01	6.9474000E-03	1.0448000E-02
2.2241000E+03	8.7210000E-03	8.3134000E-01	7.2501000E-03	1.0904000E-02
2.2242000E+03	9.0992000E-03	8.3135000E-01	7.5647000E-03	1.1377000E-02
2.2243000E+03	9.4913000E-03	8.3136000E-01	7.8907000E-03	1.1867000E-02
2.2244000E+03	9.8971000E-03	8.3137000E-01	8.2281000E-03	1.2375000E-02
2.2245000E+03	1.0316000E-02	8.3138000E-01	8.5766000E-03	1.2899000E-02
2.2246000E+03	1.0748000E-02	8.3139000E-01	8.9359000E-03	1.3439000E-02
2.2247000E+03	1.1193000E-02	8.3140000E-01	9.3056000E-03	1.3995000E-02
2.2248000E+03	1.1649000E-02	8.3141000E-01	9.6855000E-03	1.4566000E-02
2.2249000E+03	1.2118000E-02	8.3142000E-01	1.0075000E-02	1.5153000E-02
2.2250000E+03	1.2599000E-02	8.3143000E-01	1.0475000E-02	1.5754000E-02
2.2251000E+03	1.3090000E-02	8.3145000E-01	1.0884000E-02	1.6369000E-02
2.2252000E+03	1.3593000E-02	8.3146000E-01	1.1302000E-02	1.6997000E-02
2.2253000E+03	1.4106000E-02	8.3148000E-01	1.1729000E-02	1.7639000E-02
2.2254000E+03	1.4629000E-02	8.3150000E-01	1.2164000E-02	1.8294000E-02
2.2255000E+03	1.5163000E-02	8.3151000E-01	1.2609000E-02	1.8962000E-02
2.2256000E+03	1.5708000E-02	8.3153000E-01	1.3061000E-02	1.9643000E-02
2.2257000E+03	1.6262000E-02	8.3154000E-01	1.3522000E-02	2.0337000E-02
2.2258000E+03	1.6826000E-02	8.3156000E-01	1.3992000E-02	2.1043000E-02

2.2259000E+03	1.7402000E-02	8.3158000E-01	1.4471000E-02	2.1763000E-02
2.2260000E+03	1.7988000E-02	8.3159000E-01	1.4958000E-02	2.2496000E-02
2.2261000E+03	1.8585000E-02	8.3159000E-01	1.5455000E-02	2.3243000E-02
2.2262000E+03	1.9194000E-02	8.3159000E-01	1.5961000E-02	2.4005000E-02
2.2263000E+03	1.9815000E-02	8.3158000E-01	1.6478000E-02	2.4782000E-02
2.2264000E+03	2.0450000E-02	8.3158000E-01	1.7006000E-02	2.5575000E-02
2.2265000E+03	2.1099000E-02	8.3158000E-01	1.7546000E-02	2.6387000E-02
2.2266000E+03	2.1764000E-02	8.3157000E-01	1.8098000E-02	2.7219000E-02
2.2267000E+03	2.2446000E-02	8.3157000E-01	1.8665000E-02	2.8071000E-02
2.2268000E+03	2.3146000E-02	8.3157000E-01	1.9247000E-02	2.8947000E-02
2.2269000E+03	2.3866000E-02	8.3156000E-01	1.9846000E-02	2.9848000E-02
2.2270000E+03	2.4609000E-02	8.3156000E-01	2.0464000E-02	3.0776000E-02
2.2271000E+03	2.5376000E-02	8.3156000E-01	2.1101000E-02	3.1735000E-02
2.2272000E+03	2.6169000E-02	8.3155000E-01	2.1761000E-02	3.2728000E-02
2.2273000E+03	2.6992000E-02	8.3155000E-01	2.2445000E-02	3.3756000E-02
2.2274000E+03	2.7847000E-02	8.3154000E-01	2.3156000E-02	3.4825000E-02
2.2275000E+03	2.8736000E-02	8.3154000E-01	2.3895000E-02	3.5937000E-02
2.2276000E+03	2.9663000E-02	8.3153000E-01	2.4666000E-02	3.7096000E-02
2.2277000E+03	3.0632000E-02	8.3153000E-01	2.5471000E-02	3.8307000E-02
2.2278000E+03	3.1406000E-02	8.3152000E-01	2.6115000E-02	3.9275000E-02
2.2279000E+03	3.2448000E-02	8.3152000E-01	2.6981000E-02	4.0578000E-02
2.2280000E+03	3.3542000E-02	8.3151000E-01	2.7890000E-02	4.1946000E-02
2.2281000E+03	3.4691000E-02	8.3152000E-01	2.8846000E-02	4.3383000E-02
2.2282000E+03	3.5900000E-02	8.3152000E-01	2.9851000E-02	4.4895000E-02
2.2283000E+03	3.7173000E-02	8.3153000E-01	3.0910000E-02	4.6487000E-02
2.2284000E+03	3.8514000E-02	8.3153000E-01	3.2026000E-02	4.8165000E-02
2.2285000E+03	3.9929000E-02	8.3154000E-01	3.3203000E-02	4.9935000E-02
2.2286000E+03	4.1423000E-02	8.3154000E-01	3.4445000E-02	5.1802000E-02
2.2287000E+03	4.2999000E-02	8.3155000E-01	3.5756000E-02	5.3774000E-02
2.2288000E+03	4.4664000E-02	8.3155000E-01	3.7140000E-02	5.5856000E-02
2.2289000E+03	4.6422000E-02	8.3156000E-01	3.8602000E-02	5.8055000E-02
2.2290000E+03	4.8278000E-02	8.3156000E-01	4.0146000E-02	6.0377000E-02
2.2291000E+03	5.0238000E-02	8.3156000E-01	4.1776000E-02	6.2828000E-02
2.2292000E+03	5.2307000E-02	8.3156000E-01	4.3496000E-02	6.5416000E-02
2.2293000E+03	5.4490000E-02	8.3156000E-01	4.5312000E-02	6.8146000E-02
2.2294000E+03	5.6792000E-02	8.3156000E-01	4.7226000E-02	7.1026000E-02
2.2295000E+03	5.9220000E-02	8.3156000E-01	4.9245000E-02	7.4061000E-02
2.2296000E+03	6.1777000E-02	8.3156000E-01	5.1371000E-02	7.7259000E-02
2.2297000E+03	6.4469000E-02	8.3156000E-01	5.3610000E-02	8.0626000E-02
2.2298000E+03	6.7301000E-02	8.3156000E-01	5.5965000E-02	8.4167000E-02
2.2299000E+03	7.0279000E-02	8.3155000E-01	5.8440000E-02	8.7891000E-02
2.2300000E+03	7.3406000E-02	8.3155000E-01	6.1041000E-02	9.1801000E-02
2.2301000E+03	7.6688000E-02	8.3159000E-01	6.3773000E-02	9.5911000E-02

2.2302000E+03	8.0130000E-02	8.3163000E-01	6.6638000E-02	1.0022000E-01
2.2303000E+03	8.3735000E-02	8.3167000E-01	6.9639000E-02	1.0473000E-01
2.2304000E+03	8.7508000E-02	8.3170000E-01	7.2780000E-02	1.0946000E-01
2.2305000E+03	9.1452000E-02	8.3174000E-01	7.6065000E-02	1.1440000E-01
2.2306000E+03	9.5573000E-02	8.3178000E-01	7.9495000E-02	1.1956000E-01
2.2307000E+03	9.9872000E-02	8.3182000E-01	8.3075000E-02	1.2494000E-01
2.2308000E+03	1.0435000E-01	8.3186000E-01	8.6807000E-02	1.3055000E-01
2.2309000E+03	1.0902000E-01	8.3190000E-01	9.0694000E-02	1.3640000E-01
2.2310000E+03	1.1387000E-01	8.3194000E-01	9.4736000E-02	1.4248000E-01
2.2311000E+03	1.1892000E-01	8.3198000E-01	9.8938000E-02	1.4880000E-01
2.2312000E+03	1.2415000E-01	8.3201000E-01	1.0330000E-01	1.5535000E-01
2.2313000E+03	1.2958000E-01	8.3205000E-01	1.0782000E-01	1.6216000E-01
2.2314000E+03	1.3521000E-01	8.3209000E-01	1.1251000E-01	1.6920000E-01
2.2315000E+03	1.4103000E-01	8.3213000E-01	1.1735000E-01	1.7649000E-01
2.2316000E+03	1.4704000E-01	8.3217000E-01	1.2236000E-01	1.8403000E-01
2.2317000E+03	1.5325000E-01	8.3221000E-01	1.2754000E-01	1.9181000E-01
2.2318000E+03	1.5966000E-01	8.3224000E-01	1.3288000E-01	1.9984000E-01
2.2319000E+03	1.6626000E-01	8.3228000E-01	1.3838000E-01	2.0811000E-01
2.2320000E+03	1.7305000E-01	8.3232000E-01	1.4404000E-01	2.1662000E-01
2.2321000E+03	1.8004000E-01	8.3235000E-01	1.4985000E-01	2.2537000E-01
2.2322000E+03	1.8721000E-01	8.3239000E-01	1.5583000E-01	2.3436000E-01
2.2323000E+03	1.9457000E-01	8.3242000E-01	1.6196000E-01	2.4358000E-01
2.2324000E+03	2.0211000E-01	8.3245000E-01	1.6825000E-01	2.5303000E-01
2.2325000E+03	2.0983000E-01	8.3248000E-01	1.7468000E-01	2.6271000E-01
2.2326000E+03	2.1773000E-01	8.3252000E-01	1.8126000E-01	2.7261000E-01
2.2327000E+03	2.2579000E-01	8.3255000E-01	1.8798000E-01	2.8272000E-01
2.2328000E+03	2.3403000E-01	8.3258000E-01	1.9485000E-01	2.9304000E-01
2.2329000E+03	2.4242000E-01	8.3261000E-01	2.0184000E-01	3.0356000E-01
2.2330000E+03	2.5096000E-01	8.3265000E-01	2.0897000E-01	3.1427000E-01
2.2331000E+03	2.5966000E-01	8.3268000E-01	2.1621000E-01	3.2517000E-01
2.2332000E+03	2.6849000E-01	8.3272000E-01	2.2358000E-01	3.3625000E-01
2.2333000E+03	2.7746000E-01	8.3275000E-01	2.3106000E-01	3.4750000E-01
2.2334000E+03	2.8656000E-01	8.3279000E-01	2.3864000E-01	3.5890000E-01
2.2335000E+03	2.9577000E-01	8.3282000E-01	2.4633000E-01	3.7046000E-01
2.2336000E+03	3.0510000E-01	8.3286000E-01	2.5410000E-01	3.8216000E-01
2.2337000E+03	3.1453000E-01	8.3289000E-01	2.6197000E-01	3.9398000E-01
2.2338000E+03	3.2405000E-01	8.3293000E-01	2.6991000E-01	4.0592000E-01
2.2339000E+03	3.3365000E-01	8.3296000E-01	2.7792000E-01	4.1797000E-01
2.2340000E+03	3.4333000E-01	8.3300000E-01	2.8599000E-01	4.3011000E-01
2.2341000E+03	3.5307000E-01	8.3302000E-01	2.9412000E-01	4.4233000E-01
2.2342000E+03	3.6287000E-01	8.3304000E-01	3.0229000E-01	4.5462000E-01
2.2343000E+03	3.7272000E-01	8.3307000E-01	3.1050000E-01	4.6697000E-01
2.2344000E+03	3.8260000E-01	8.3309000E-01	3.1874000E-01	4.7936000E-01

2.2345000E+03	3.9250000E-01	8.3311000E-01	3.2699000E-01	4.9178000E-01
2.2346000E+03	4.0242000E-01	8.3313000E-01	3.3527000E-01	5.0422000E-01
2.2347000E+03	4.1234000E-01	8.3316000E-01	3.4354000E-01	5.1666000E-01
2.2348000E+03	4.2225000E-01	8.3318000E-01	3.5181000E-01	5.2910000E-01
2.2349000E+03	4.3215000E-01	8.3320000E-01	3.6007000E-01	5.4152000E-01
2.2350000E+03	4.4202000E-01	8.3323000E-01	3.6830000E-01	5.5390000E-01
2.2351000E+03	4.5185000E-01	8.3325000E-01	3.7650000E-01	5.6623000E-01
2.2352000E+03	4.6163000E-01	8.3327000E-01	3.8466000E-01	5.7850000E-01
2.2353000E+03	4.7135000E-01	8.3329000E-01	3.9277000E-01	5.9070000E-01
2.2354000E+03	4.8100000E-01	8.3331000E-01	4.0082000E-01	6.0281000E-01
2.2355000E+03	4.9057000E-01	8.3332000E-01	4.0880000E-01	6.1482000E-01
2.2356000E+03	5.0005000E-01	8.3334000E-01	4.1672000E-01	6.2671000E-01
2.2357000E+03	5.0943000E-01	8.3336000E-01	4.2454000E-01	6.3849000E-01
2.2358000E+03	5.1871000E-01	8.3338000E-01	4.3228000E-01	6.5012000E-01
2.2359000E+03	5.2786000E-01	8.3340000E-01	4.3992000E-01	6.6161000E-01
2.2360000E+03	5.3689000E-01	8.3342000E-01	4.4746000E-01	6.7295000E-01
2.2361000E+03	5.4578000E-01	8.3345000E-01	4.5488000E-01	6.8412000E-01
2.2362000E+03	5.5453000E-01	8.3348000E-01	4.6219000E-01	6.9511000E-01
2.2363000E+03	5.6313000E-01	8.3352000E-01	4.6938000E-01	7.0591000E-01
2.2364000E+03	5.7156000E-01	8.3355000E-01	4.7642000E-01	7.1651000E-01
2.2365000E+03	5.7983000E-01	8.3358000E-01	4.8334000E-01	7.2691000E-01
2.2366000E+03	5.8793000E-01	8.3361000E-01	4.9010000E-01	7.3708000E-01
2.2367000E+03	5.9585000E-01	8.3364000E-01	4.9672000E-01	7.4704000E-01
2.2368000E+03	6.0358000E-01	8.3367000E-01	5.0318000E-01	7.5676000E-01
2.2369000E+03	6.1112000E-01	8.3370000E-01	5.0949000E-01	7.6624000E-01
2.2370000E+03	6.1846000E-01	8.3373000E-01	5.1563000E-01	7.7548000E-01
2.2371000E+03	6.2560000E-01	8.3376000E-01	5.2160000E-01	7.8445000E-01
2.2372000E+03	6.3254000E-01	8.3378000E-01	5.2740000E-01	7.9318000E-01
2.2373000E+03	6.3927000E-01	8.3380000E-01	5.3303000E-01	8.0164000E-01
2.2374000E+03	6.4579000E-01	8.3383000E-01	5.3848000E-01	8.0984000E-01
2.2375000E+03	6.5210000E-01	8.3385000E-01	5.4375000E-01	8.1777000E-01
2.2376000E+03	6.5819000E-01	8.3387000E-01	5.4885000E-01	8.2543000E-01
2.2377000E+03	6.6406000E-01	8.3389000E-01	5.5376000E-01	8.3282000E-01
2.2378000E+03	6.6972000E-01	8.3392000E-01	5.5849000E-01	8.3993000E-01
2.2379000E+03	6.7516000E-01	8.3394000E-01	5.6304000E-01	8.4678000E-01
2.2380000E+03	6.8038000E-01	8.3396000E-01	5.6741000E-01	8.5335000E-01
2.2381000E+03	6.8538000E-01	8.3395000E-01	5.7157000E-01	8.5961000E-01
2.2382000E+03	6.9016000E-01	8.3394000E-01	5.7556000E-01	8.6560000E-01
2.2383000E+03	6.9473000E-01	8.3393000E-01	5.7936000E-01	8.7132000E-01
2.2384000E+03	6.9909000E-01	8.3392000E-01	5.8298000E-01	8.7677000E-01
2.2385000E+03	7.0323000E-01	8.3391000E-01	5.8643000E-01	8.8196000E-01
2.2386000E+03	7.0717000E-01	8.3390000E-01	5.8971000E-01	8.8688000E-01
2.2387000E+03	7.1090000E-01	8.3389000E-01	5.9281000E-01	8.9155000E-01

2.2388000E+03	7.1443000E-01	8.3388000E-01	5.9574000E-01	8.9596000E-01
2.2389000E+03	7.1776000E-01	8.3387000E-01	5.9851000E-01	9.0013000E-01
2.2390000E+03	7.2089000E-01	8.3386000E-01	6.0112000E-01	9.0405000E-01
2.2391000E+03	7.2384000E-01	8.3385000E-01	6.0358000E-01	9.0774000E-01
2.2392000E+03	7.2661000E-01	8.3384000E-01	6.0588000E-01	9.1120000E-01
2.2393000E+03	7.2919000E-01	8.3384000E-01	6.0803000E-01	9.1443000E-01
2.2394000E+03	7.3160000E-01	8.3383000E-01	6.1003000E-01	9.1745000E-01
2.2395000E+03	7.3385000E-01	8.3382000E-01	6.1190000E-01	9.2026000E-01
2.2396000E+03	7.3593000E-01	8.3382000E-01	6.1363000E-01	9.2286000E-01
2.2397000E+03	7.3786000E-01	8.3381000E-01	6.1524000E-01	9.2527000E-01
2.2398000E+03	7.3964000E-01	8.3380000E-01	6.1672000E-01	9.2750000E-01
2.2399000E+03	7.4128000E-01	8.3379000E-01	6.1808000E-01	9.2955000E-01
2.2400000E+03	7.4278000E-01	8.3379000E-01	6.1932000E-01	9.3142000E-01
2.2401000E+03	7.4416000E-01	8.3379000E-01	6.2047000E-01	9.3315000E-01
2.2402000E+03	7.4541000E-01	8.3379000E-01	6.2152000E-01	9.3472000E-01
2.2403000E+03	7.4655000E-01	8.3379000E-01	6.2246000E-01	9.3615000E-01
2.2404000E+03	7.4758000E-01	8.3379000E-01	6.2332000E-01	9.3744000E-01
2.2405000E+03	7.4851000E-01	8.3379000E-01	6.2410000E-01	9.3860000E-01
2.2406000E+03	7.4934000E-01	8.3379000E-01	6.2480000E-01	9.3965000E-01
2.2407000E+03	7.5009000E-01	8.3380000E-01	6.2542000E-01	9.4059000E-01
2.2408000E+03	7.5076000E-01	8.3380000E-01	6.2598000E-01	9.4143000E-01
2.2409000E+03	7.5135000E-01	8.3380000E-01	6.2647000E-01	9.4218000E-01
2.2410000E+03	7.5188000E-01	8.3380000E-01	6.2692000E-01	9.4284000E-01
2.2411000E+03	7.5235000E-01	8.3380000E-01	6.2731000E-01	9.4343000E-01
2.2412000E+03	7.5276000E-01	8.3381000E-01	6.2766000E-01	9.4396000E-01
2.2413000E+03	7.5313000E-01	8.3381000E-01	6.2797000E-01	9.4442000E-01
2.2414000E+03	7.5345000E-01	8.3382000E-01	6.2824000E-01	9.4484000E-01
2.2415000E+03	7.5375000E-01	8.3382000E-01	6.2849000E-01	9.4521000E-01
2.2416000E+03	7.5401000E-01	8.3383000E-01	6.2871000E-01	9.4554000E-01
2.2417000E+03	7.5424000E-01	8.3383000E-01	6.2891000E-01	9.4584000E-01
2.2418000E+03	7.5446000E-01	8.3383000E-01	6.2910000E-01	9.4612000E-01
2.2419000E+03	7.5467000E-01	8.3384000E-01	6.2927000E-01	9.4639000E-01
2.2420000E+03	7.5487000E-01	8.3384000E-01	6.2944000E-01	9.4664000E-01
2.2421000E+03	7.5506000E-01	8.3388000E-01	6.2963000E-01	9.4692000E-01
2.2422000E+03	7.5525000E-01	8.3391000E-01	6.2981000E-01	9.4720000E-01
2.2423000E+03	7.5545000E-01	8.3394000E-01	6.3000000E-01	9.4748000E-01
2.2424000E+03	7.5565000E-01	8.3398000E-01	6.3020000E-01	9.4778000E-01
2.2425000E+03	7.5587000E-01	8.3401000E-01	6.3041000E-01	9.4809000E-01
2.2426000E+03	7.5611000E-01	8.3405000E-01	6.3063000E-01	9.4842000E-01
2.2427000E+03	7.5635000E-01	8.3408000E-01	6.3086000E-01	9.4877000E-01
2.2428000E+03	7.5663000E-01	8.3411000E-01	6.3111000E-01	9.4915000E-01
2.2429000E+03	7.5692000E-01	8.3415000E-01	6.3138000E-01	9.4956000E-01
2.2430000E+03	7.5724000E-01	8.3418000E-01	6.3167000E-01	9.5000000E-01

2.2431000E+03	7.5758000E-01	8.3421000E-01	6.3199000E-01	9.5047000E-01
2.2432000E+03	7.5796000E-01	8.3425000E-01	6.3233000E-01	9.5098000E-01
2.2433000E+03	7.5836000E-01	8.3428000E-01	6.3269000E-01	9.5152000E-01
2.2434000E+03	7.5880000E-01	8.3432000E-01	6.3308000E-01	9.5211000E-01
2.2435000E+03	7.5927000E-01	8.3435000E-01	6.3350000E-01	9.5274000E-01
2.2436000E+03	7.5977000E-01	8.3439000E-01	6.3394000E-01	9.5340000E-01
2.2437000E+03	7.6030000E-01	8.3442000E-01	6.3441000E-01	9.5411000E-01
2.2438000E+03	7.6086000E-01	8.3445000E-01	6.3491000E-01	9.5486000E-01
2.2439000E+03	7.6146000E-01	8.3449000E-01	6.3543000E-01	9.5565000E-01
2.2440000E+03	7.6209000E-01	8.3452000E-01	6.3598000E-01	9.5648000E-01
2.2441000E+03	7.6276000E-01	8.3454000E-01	6.3655000E-01	9.5733000E-01
2.2442000E+03	7.6345000E-01	8.3456000E-01	6.3714000E-01	9.5822000E-01
2.2443000E+03	7.6418000E-01	8.3457000E-01	6.3776000E-01	9.5915000E-01
2.2444000E+03	7.6493000E-01	8.3459000E-01	6.3841000E-01	9.6012000E-01
2.2445000E+03	7.6571000E-01	8.3461000E-01	6.3907000E-01	9.6112000E-01
2.2446000E+03	7.6652000E-01	8.3463000E-01	6.3976000E-01	9.6216000E-01
2.2447000E+03	7.6736000E-01	8.3464000E-01	6.4047000E-01	9.6323000E-01
2.2448000E+03	7.6822000E-01	8.3466000E-01	6.4120000E-01	9.6432000E-01
2.2449000E+03	7.6910000E-01	8.3468000E-01	6.4195000E-01	9.6545000E-01
2.2450000E+03	7.7000000E-01	8.3470000E-01	6.4271000E-01	9.6660000E-01
2.2451000E+03	7.7092000E-01	8.3471000E-01	6.4349000E-01	9.6777000E-01
2.2452000E+03	7.7185000E-01	8.3473000E-01	6.4428000E-01	9.6896000E-01
2.2453000E+03	7.7280000E-01	8.3474000E-01	6.4509000E-01	9.7017000E-01
2.2454000E+03	7.7376000E-01	8.3477000E-01	6.4591000E-01	9.7141000E-01
2.2455000E+03	7.7473000E-01	8.3481000E-01	6.4675000E-01	9.7267000E-01
2.2456000E+03	7.7571000E-01	8.3484000E-01	6.4760000E-01	9.7394000E-01
2.2457000E+03	7.7669000E-01	8.3488000E-01	6.4844000E-01	9.7522000E-01
2.2458000E+03	7.7768000E-01	8.3492000E-01	6.4930000E-01	9.7650000E-01
2.2459000E+03	7.7866000E-01	8.3495000E-01	6.5015000E-01	9.7778000E-01
2.2460000E+03	7.7965000E-01	8.3499000E-01	6.5099000E-01	9.7905000E-01
2.2461000E+03	7.8062000E-01	8.3502000E-01	6.5184000E-01	9.8032000E-01
2.2462000E+03	7.8159000E-01	8.3505000E-01	6.5267000E-01	9.8157000E-01
2.2463000E+03	7.8255000E-01	8.3508000E-01	6.5350000E-01	9.8282000E-01
2.2464000E+03	7.8350000E-01	8.3511000E-01	6.5431000E-01	9.8404000E-01
2.2465000E+03	7.8443000E-01	8.3514000E-01	6.5511000E-01	9.8525000E-01
2.2466000E+03	7.8535000E-01	8.3517000E-01	6.5590000E-01	9.8643000E-01
2.2467000E+03	7.8624000E-01	8.3521000E-01	6.5667000E-01	9.8759000E-01
2.2468000E+03	7.8711000E-01	8.3524000E-01	6.5742000E-01	9.8872000E-01
2.2469000E+03	7.8795000E-01	8.3527000E-01	6.5815000E-01	9.8982000E-01
2.2470000E+03	7.8877000E-01	8.3530000E-01	6.5886000E-01	9.9088000E-01
2.2471000E+03	7.8956000E-01	8.3532000E-01	6.5953000E-01	9.9190000E-01
2.2472000E+03	7.9031000E-01	8.3534000E-01	6.6018000E-01	9.9287000E-01
2.2473000E+03	7.9103000E-01	8.3537000E-01	6.6080000E-01	9.9380000E-01

2.2474000E+03	7.9170000E-01	8.3539000E-01	6.6138000E-01	9.9468000E-01
2.2475000E+03	7.9234000E-01	8.3541000E-01	6.6193000E-01	9.9550000E-01
2.2476000E+03	7.9293000E-01	8.3544000E-01	6.6244000E-01	9.9627000E-01
2.2477000E+03	7.9348000E-01	8.3546000E-01	6.6292000E-01	9.9699000E-01
2.2478000E+03	7.9397000E-01	8.3548000E-01	6.6335000E-01	9.9764000E-01
2.2479000E+03	7.9441000E-01	8.3551000E-01	6.6374000E-01	9.9822000E-01
2.2480000E+03	7.9480000E-01	8.3553000E-01	6.6408000E-01	9.9873000E-01
2.2481000E+03	7.9513000E-01	8.3553000E-01	6.6436000E-01	9.9915000E-01
2.2482000E+03	7.9540000E-01	8.3553000E-01	6.6458000E-01	9.9948000E-01
2.2483000E+03	7.9561000E-01	8.3553000E-01	6.6475000E-01	9.9974000E-01
2.2484000E+03	7.9575000E-01	8.3552000E-01	6.6486000E-01	9.9991000E-01
2.2485000E+03	7.9582000E-01	8.3552000E-01	6.6492000E-01	1.0000000E+00
2.2486000E+03	7.9581000E-01	8.3552000E-01	6.6492000E-01	1.0000000E+00
2.2487000E+03	7.9574000E-01	8.3552000E-01	6.6485000E-01	9.9990000E-01
2.2488000E+03	7.9558000E-01	8.3552000E-01	6.6472000E-01	9.9970000E-01
2.2489000E+03	7.9535000E-01	8.3551000E-01	6.6452000E-01	9.9940000E-01
2.2490000E+03	7.9503000E-01	8.3551000E-01	6.6426000E-01	9.9900000E-01
2.2491000E+03	7.9462000E-01	8.3551000E-01	6.6391000E-01	9.9848000E-01
2.2492000E+03	7.9412000E-01	8.3550000E-01	6.6349000E-01	9.9785000E-01
2.2493000E+03	7.9353000E-01	8.3550000E-01	6.6299000E-01	9.9710000E-01
2.2494000E+03	7.9284000E-01	8.3549000E-01	6.6241000E-01	9.9623000E-01
2.2495000E+03	7.9206000E-01	8.3549000E-01	6.6175000E-01	9.9523000E-01
2.2496000E+03	7.9116000E-01	8.3548000E-01	6.6100000E-01	9.9411000E-01
2.2497000E+03	7.9017000E-01	8.3548000E-01	6.6017000E-01	9.9285000E-01
2.2498000E+03	7.8906000E-01	8.3547000E-01	6.5924000E-01	9.9145000E-01
2.2499000E+03	7.8784000E-01	8.3547000E-01	6.5821000E-01	9.8991000E-01
2.2500000E+03	7.8650000E-01	8.3546000E-01	6.5709000E-01	9.8822000E-01
2.2501000E+03	7.8504000E-01	8.3549000E-01	6.5590000E-01	9.8642000E-01
2.2502000E+03	7.8346000E-01	8.3552000E-01	6.5460000E-01	9.8447000E-01
2.2503000E+03	7.8175000E-01	8.3555000E-01	6.5319000E-01	9.8236000E-01
2.2504000E+03	7.7992000E-01	8.3558000E-01	6.5168000E-01	9.8009000E-01
2.2505000E+03	7.7795000E-01	8.3561000E-01	6.5006000E-01	9.7765000E-01
2.2506000E+03	7.7584000E-01	8.3564000E-01	6.4832000E-01	9.7503000E-01
2.2507000E+03	7.7359000E-01	8.3567000E-01	6.4647000E-01	9.7225000E-01
2.2508000E+03	7.7121000E-01	8.3570000E-01	6.4449000E-01	9.6928000E-01
2.2509000E+03	7.6867000E-01	8.3572000E-01	6.4240000E-01	9.6613000E-01
2.2510000E+03	7.6599000E-01	8.3575000E-01	6.4018000E-01	9.6279000E-01
2.2511000E+03	7.6316000E-01	8.3578000E-01	6.3783000E-01	9.5926000E-01
2.2512000E+03	7.6017000E-01	8.3581000E-01	6.3536000E-01	9.5553000E-01
2.2513000E+03	7.5702000E-01	8.3584000E-01	6.3275000E-01	9.5161000E-01
2.2514000E+03	7.5372000E-01	8.3586000E-01	6.3001000E-01	9.4749000E-01
2.2515000E+03	7.5025000E-01	8.3589000E-01	6.2713000E-01	9.4316000E-01
2.2516000E+03	7.4662000E-01	8.3592000E-01	6.2411000E-01	9.3863000E-01

2.2517000E+03	7.4282000E-01	8.3595000E-01	6.2096000E-01	9.3388000E-01
2.2518000E+03	7.3886000E-01	8.3597000E-01	6.1767000E-01	9.2893000E-01
2.2519000E+03	7.3472000E-01	8.3600000E-01	6.1423000E-01	9.2376000E-01
2.2520000E+03	7.3042000E-01	8.3603000E-01	6.1065000E-01	9.1838000E-01
2.2521000E+03	7.2594000E-01	8.3606000E-01	6.0693000E-01	9.1278000E-01
2.2522000E+03	7.2128000E-01	8.3610000E-01	6.0306000E-01	9.0697000E-01
2.2523000E+03	7.1645000E-01	8.3613000E-01	5.9905000E-01	9.0093000E-01
2.2524000E+03	7.1145000E-01	8.3617000E-01	5.9489000E-01	8.9467000E-01
2.2525000E+03	7.0627000E-01	8.3620000E-01	5.9058000E-01	8.8819000E-01
2.2526000E+03	7.0091000E-01	8.3623000E-01	5.8612000E-01	8.8149000E-01
2.2527000E+03	6.9538000E-01	8.3627000E-01	5.8152000E-01	8.7457000E-01
2.2528000E+03	6.8967000E-01	8.3630000E-01	5.7677000E-01	8.6743000E-01
2.2529000E+03	6.8378000E-01	8.3634000E-01	5.7187000E-01	8.6006000E-01
2.2530000E+03	6.7772000E-01	8.3637000E-01	5.6683000E-01	8.5247000E-01
2.2531000E+03	6.7149000E-01	8.3641000E-01	5.6164000E-01	8.4467000E-01
2.2532000E+03	6.6509000E-01	8.3645000E-01	5.5631000E-01	8.3665000E-01
2.2533000E+03	6.5851000E-01	8.3648000E-01	5.5083000E-01	8.2842000E-01
2.2534000E+03	6.5177000E-01	8.3652000E-01	5.4522000E-01	8.1998000E-01
2.2535000E+03	6.4487000E-01	8.3655000E-01	5.3947000E-01	8.1132000E-01
2.2536000E+03	6.3780000E-01	8.3659000E-01	5.3358000E-01	8.0246000E-01
2.2537000E+03	6.3057000E-01	8.3663000E-01	5.2755000E-01	7.9341000E-01
2.2538000E+03	6.2319000E-01	8.3666000E-01	5.2140000E-01	7.8415000E-01
2.2539000E+03	6.1565000E-01	8.3670000E-01	5.1512000E-01	7.7470000E-01
2.2540000E+03	6.0797000E-01	8.3673000E-01	5.0871000E-01	7.6507000E-01
2.2541000E+03	6.0014000E-01	8.3677000E-01	5.0218000E-01	7.5524000E-01
2.2542000E+03	5.9218000E-01	8.3680000E-01	4.9553000E-01	7.4525000E-01
2.2543000E+03	5.8407000E-01	8.3683000E-01	4.8877000E-01	7.3508000E-01
2.2544000E+03	5.7584000E-01	8.3686000E-01	4.8190000E-01	7.2475000E-01
2.2545000E+03	5.6749000E-01	8.3689000E-01	4.7493000E-01	7.1426000E-01
2.2546000E+03	5.5902000E-01	8.3692000E-01	4.6785000E-01	7.0362000E-01
2.2547000E+03	5.5043000E-01	8.3695000E-01	4.6069000E-01	6.9284000E-01
2.2548000E+03	5.4174000E-01	8.3697000E-01	4.5342000E-01	6.8191000E-01
2.2549000E+03	5.3295000E-01	8.3698000E-01	4.4607000E-01	6.7086000E-01
2.2550000E+03	5.2407000E-01	8.3699000E-01	4.3864000E-01	6.5969000E-01
2.2551000E+03	5.1510000E-01	8.3701000E-01	4.3114000E-01	6.4841000E-01
2.2552000E+03	5.0606000E-01	8.3702000E-01	4.2358000E-01	6.3704000E-01
2.2553000E+03	4.9694000E-01	8.3704000E-01	4.1596000E-01	6.2557000E-01
2.2554000E+03	4.8776000E-01	8.3705000E-01	4.0828000E-01	6.1402000E-01
2.2555000E+03	4.7852000E-01	8.3707000E-01	4.0055000E-01	6.0240000E-01
2.2556000E+03	4.6923000E-01	8.3709000E-01	3.9279000E-01	5.9072000E-01
2.2557000E+03	4.5990000E-01	8.3710000E-01	3.8498000E-01	5.7899000E-01
2.2558000E+03	4.5054000E-01	8.3712000E-01	3.7715000E-01	5.6722000E-01
2.2559000E+03	4.4115000E-01	8.3713000E-01	3.6930000E-01	5.5541000E-01

2.2560000E+03	4.3175000E-01	8.3715000E-01	3.6144000E-01	5.4358000E-01
2.2561000E+03	4.2234000E-01	8.3716000E-01	3.5356000E-01	5.3174000E-01
2.2562000E+03	4.1293000E-01	8.3716000E-01	3.4569000E-01	5.1989000E-01
2.2563000E+03	4.0352000E-01	8.3717000E-01	3.3782000E-01	5.0805000E-01
2.2564000E+03	3.9413000E-01	8.3718000E-01	3.2996000E-01	4.9623000E-01
2.2565000E+03	3.8476000E-01	8.3719000E-01	3.2212000E-01	4.8445000E-01
2.2566000E+03	3.7543000E-01	8.3719000E-01	3.1431000E-01	4.7270000E-01
2.2567000E+03	3.6613000E-01	8.3720000E-01	3.0653000E-01	4.6100000E-01
2.2568000E+03	3.5688000E-01	8.3721000E-01	2.9879000E-01	4.4936000E-01
2.2569000E+03	3.4769000E-01	8.3721000E-01	2.9109000E-01	4.3778000E-01
2.2570000E+03	3.3856000E-01	8.3722000E-01	2.8345000E-01	4.2629000E-01
2.2571000E+03	3.2950000E-01	8.3723000E-01	2.7587000E-01	4.1489000E-01
2.2572000E+03	3.2052000E-01	8.3724000E-01	2.6835000E-01	4.0358000E-01
2.2573000E+03	3.1162000E-01	8.3725000E-01	2.6090000E-01	3.9238000E-01
2.2574000E+03	3.0281000E-01	8.3725000E-01	2.5353000E-01	3.8129000E-01
2.2575000E+03	2.9410000E-01	8.3726000E-01	2.4624000E-01	3.7033000E-01
2.2576000E+03	2.8550000E-01	8.3727000E-01	2.3904000E-01	3.5950000E-01
2.2577000E+03	2.7700000E-01	8.3728000E-01	2.3193000E-01	3.4880000E-01
2.2578000E+03	2.6862000E-01	8.3729000E-01	2.2491000E-01	3.3826000E-01
2.2579000E+03	2.6037000E-01	8.3729000E-01	2.1800000E-01	3.2786000E-01
2.2580000E+03	2.5224000E-01	8.3730000E-01	2.1120000E-01	3.1763000E-01
2.2581000E+03	2.4424000E-01	8.3730000E-01	2.0450000E-01	3.0756000E-01
2.2582000E+03	2.3638000E-01	8.3730000E-01	1.9792000E-01	2.9766000E-01
2.2583000E+03	2.2866000E-01	8.3730000E-01	1.9146000E-01	2.8794000E-01
2.2584000E+03	2.2109000E-01	8.3730000E-01	1.8511000E-01	2.7840000E-01
2.2585000E+03	2.1366000E-01	8.3730000E-01	1.7890000E-01	2.6905000E-01
2.2586000E+03	2.0639000E-01	8.3729000E-01	1.7281000E-01	2.5990000E-01
2.2587000E+03	1.9928000E-01	8.3729000E-01	1.6685000E-01	2.5094000E-01
2.2588000E+03	1.9232000E-01	8.3729000E-01	1.6103000E-01	2.4218000E-01
2.2589000E+03	1.8553000E-01	8.3729000E-01	1.5534000E-01	2.3362000E-01
2.2590000E+03	1.7889000E-01	8.3729000E-01	1.4979000E-01	2.2527000E-01
2.2591000E+03	1.7243000E-01	8.3729000E-01	1.4437000E-01	2.1713000E-01
2.2592000E+03	1.6613000E-01	8.3728000E-01	1.3910000E-01	2.0919000E-01
2.2593000E+03	1.6000000E-01	8.3728000E-01	1.3396000E-01	2.0147000E-01
2.2594000E+03	1.5404000E-01	8.3728000E-01	1.2897000E-01	1.9396000E-01
2.2595000E+03	1.4824000E-01	8.3728000E-01	1.2412000E-01	1.8667000E-01
2.2596000E+03	1.4262000E-01	8.3728000E-01	1.1941000E-01	1.7959000E-01
2.2597000E+03	1.3716000E-01	8.3727000E-01	1.1484000E-01	1.7272000E-01
2.2598000E+03	1.3188000E-01	8.3727000E-01	1.1042000E-01	1.6606000E-01
2.2599000E+03	1.2676000E-01	8.3727000E-01	1.0613000E-01	1.5961000E-01
2.2600000E+03	1.2181000E-01	8.3727000E-01	1.0199000E-01	1.5338000E-01
2.2601000E+03	1.1702000E-01	8.3729000E-01	9.7982000E-02	1.4736000E-01
2.2602000E+03	1.1240000E-01	8.3732000E-01	9.4114000E-02	1.4154000E-01

2.2603000E+03	1.0794000E-01	8.3734000E-01	9.0383000E-02	1.3593000E-01
2.2604000E+03	1.0364000E-01	8.3737000E-01	8.6786000E-02	1.3052000E-01
2.2605000E+03	9.9500000E-02	8.3736000E-01	8.3317000E-02	1.2530000E-01
2.2606000E+03	9.5514000E-02	8.3735000E-01	7.9979000E-02	1.2028000E-01
2.2607000E+03	9.1680000E-02	8.3734000E-01	7.6768000E-02	1.1545000E-01
2.2608000E+03	8.7997000E-02	8.3733000E-01	7.3682000E-02	1.1081000E-01
2.2609000E+03	8.4459000E-02	8.3732000E-01	7.0720000E-02	1.0636000E-01
2.2610000E+03	8.1065000E-02	8.3731000E-01	6.7877000E-02	1.0208000E-01
2.2611000E+03	7.7811000E-02	8.3730000E-01	6.5152000E-02	9.7984000E-02
2.2612000E+03	7.4694000E-02	8.3729000E-01	6.2541000E-02	9.4057000E-02
2.2613000E+03	7.1709000E-02	8.3728000E-01	6.0041000E-02	9.0298000E-02
2.2614000E+03	6.8853000E-02	8.3728000E-01	5.7649000E-02	8.6700000E-02
2.2615000E+03	6.6122000E-02	8.3727000E-01	5.5362000E-02	8.3261000E-02
2.2616000E+03	6.3513000E-02	8.3726000E-01	5.3176000E-02	7.9974000E-02
2.2617000E+03	6.1020000E-02	8.3725000E-01	5.1089000E-02	7.6834000E-02
2.2618000E+03	5.8640000E-02	8.3724000E-01	4.9096000E-02	7.3837000E-02
2.2619000E+03	5.6370000E-02	8.3723000E-01	4.7195000E-02	7.0978000E-02
2.2620000E+03	5.4204000E-02	8.3722000E-01	4.5381000E-02	6.8250000E-02
2.2621000E+03	5.2139000E-02	8.3720000E-01	4.3651000E-02	6.5649000E-02
2.2622000E+03	5.0171000E-02	8.3719000E-01	4.2002000E-02	6.3169000E-02
2.2623000E+03	4.8295000E-02	8.3717000E-01	4.0431000E-02	6.0806000E-02
2.2624000E+03	4.6507000E-02	8.3715000E-01	3.8934000E-02	5.8554000E-02
2.2625000E+03	4.4804000E-02	8.3713000E-01	3.7507000E-02	5.6408000E-02
2.2626000E+03	4.3181000E-02	8.3712000E-01	3.6147000E-02	5.4363000E-02
2.2627000E+03	4.1634000E-02	8.3710000E-01	3.4852000E-02	5.2415000E-02
2.2628000E+03	4.0160000E-02	8.3708000E-01	3.3617000E-02	5.0558000E-02
2.2629000E+03	3.8754000E-02	8.3707000E-01	3.2440000E-02	4.8787000E-02
2.2630000E+03	3.7414000E-02	8.3705000E-01	3.1317000E-02	4.7099000E-02
2.2631000E+03	3.6134000E-02	8.3703000E-01	3.0245000E-02	4.5487000E-02
2.2632000E+03	3.4913000E-02	8.3701000E-01	2.9223000E-02	4.3949000E-02
2.2633000E+03	3.3746000E-02	8.3699000E-01	2.8245000E-02	4.2479000E-02
2.2634000E+03	3.2631000E-02	8.3697000E-01	2.7311000E-02	4.1074000E-02
2.2635000E+03	3.1563000E-02	8.3696000E-01	2.6417000E-02	3.9729000E-02
2.2636000E+03	3.0541000E-02	8.3694000E-01	2.5561000E-02	3.8442000E-02
2.2637000E+03	2.9561000E-02	8.3692000E-01	2.4740000E-02	3.7208000E-02
2.2638000E+03	2.8621000E-02	8.3690000E-01	2.3953000E-02	3.6024000E-02
2.2639000E+03	2.7718000E-02	8.3688000E-01	2.3197000E-02	3.4886000E-02
2.2640000E+03	2.6849000E-02	8.3686000E-01	2.2469000E-02	3.3792000E-02
2.2641000E+03	2.6013000E-02	8.3685000E-01	2.1769000E-02	3.2739000E-02
2.2642000E+03	2.5207000E-02	8.3684000E-01	2.1094000E-02	3.1724000E-02
2.2643000E+03	2.4429000E-02	8.3682000E-01	2.0443000E-02	3.0745000E-02
2.2644000E+03	2.3678000E-02	8.3681000E-01	1.9814000E-02	2.9799000E-02
2.2645000E+03	2.2951000E-02	8.3679000E-01	1.9206000E-02	2.8884000E-02

2.2646000E+03	2.2248000E-02	8.3678000E-01	1.8617000E-02	2.7998000E-02
2.2647000E+03	2.1566000E-02	8.3677000E-01	1.8046000E-02	2.7139000E-02
2.2648000E+03	2.0904000E-02	8.3675000E-01	1.7492000E-02	2.6306000E-02
2.2649000E+03	2.0262000E-02	8.3674000E-01	1.6954000E-02	2.5497000E-02
2.2650000E+03	1.9637000E-02	8.3673000E-01	1.6431000E-02	2.4711000E-02
2.2651000E+03	1.9030000E-02	8.3671000E-01	1.5922000E-02	2.3946000E-02
2.2652000E+03	1.8438000E-02	8.3670000E-01	1.5427000E-02	2.3202000E-02
2.2653000E+03	1.7862000E-02	8.3669000E-01	1.4945000E-02	2.2476000E-02
2.2654000E+03	1.7301000E-02	8.3667000E-01	1.4475000E-02	2.1769000E-02
2.2655000E+03	1.6754000E-02	8.3664000E-01	1.4017000E-02	2.1080000E-02
2.2656000E+03	1.6220000E-02	8.3661000E-01	1.3570000E-02	2.0408000E-02
2.2657000E+03	1.5699000E-02	8.3659000E-01	1.3134000E-02	1.9752000E-02
2.2658000E+03	1.5191000E-02	8.3656000E-01	1.2708000E-02	1.9112000E-02
2.2659000E+03	1.4695000E-02	8.3653000E-01	1.2293000E-02	1.8488000E-02
2.2660000E+03	1.4211000E-02	8.3651000E-01	1.1888000E-02	1.7878000E-02
2.2661000E+03	1.3739000E-02	8.3648000E-01	1.1492000E-02	1.7284000E-02
2.2662000E+03	1.3279000E-02	8.3644000E-01	1.1107000E-02	1.6704000E-02
2.2663000E+03	1.2830000E-02	8.3641000E-01	1.0731000E-02	1.6138000E-02
2.2664000E+03	1.2392000E-02	8.3638000E-01	1.0364000E-02	1.5587000E-02
2.2665000E+03	1.1965000E-02	8.3634000E-01	1.0007000E-02	1.5050000E-02
2.2666000E+03	1.1550000E-02	8.3631000E-01	9.6591000E-03	1.4527000E-02
2.2667000E+03	1.1145000E-02	8.3628000E-01	9.3205000E-03	1.4017000E-02
2.2668000E+03	1.0752000E-02	8.3624000E-01	8.9912000E-03	1.3522000E-02
2.2669000E+03	1.0370000E-02	8.3621000E-01	8.6712000E-03	1.3041000E-02
2.2670000E+03	9.9983000E-03	8.3618000E-01	8.3603000E-03	1.2573000E-02
2.2671000E+03	9.6936000E-03	8.3615000E-01	8.1053000E-03	1.2190000E-02
2.2672000E+03	9.3447000E-03	8.3612000E-01	7.8133000E-03	1.1751000E-02
2.2673000E+03	9.0070000E-03	8.3609000E-01	7.5307000E-03	1.1326000E-02
2.2674000E+03	8.6806000E-03	8.3607000E-01	7.2576000E-03	1.0915000E-02
2.2675000E+03	8.3656000E-03	8.3604000E-01	6.9940000E-03	1.0518000E-02
2.2676000E+03	8.0620000E-03	8.3601000E-01	6.7399000E-03	1.0136000E-02
2.2677000E+03	7.7699000E-03	8.3598000E-01	6.4956000E-03	9.7689000E-03
2.2678000E+03	7.4895000E-03	8.3596000E-01	6.2609000E-03	9.4160000E-03
2.2679000E+03	7.2209000E-03	8.3593000E-01	6.0362000E-03	9.0780000E-03
2.2680000E+03	6.9642000E-03	8.3590000E-01	5.8214000E-03	8.7550000E-03
2.2681000E+03	6.7194000E-03	8.3587000E-01	5.6166000E-03	8.4470000E-03
2.2682000E+03	6.4868000E-03	8.3584000E-01	5.4219000E-03	8.1543000E-03
2.2683000E+03	6.2664000E-03	8.3581000E-01	5.2375000E-03	7.8769000E-03
2.2684000E+03	6.0584000E-03	8.3578000E-01	5.0634000E-03	7.6151000E-03
2.2685000E+03	5.8627000E-03	8.3575000E-01	4.8997000E-03	7.3689000E-03
2.2686000E+03	5.6794000E-03	8.3572000E-01	4.7464000E-03	7.1383000E-03
2.2687000E+03	5.5086000E-03	8.3569000E-01	4.6035000E-03	6.9233000E-03
2.2688000E+03	5.3502000E-03	8.3566000E-01	4.4709000E-03	6.7239000E-03

2.2689000E+03	5.2040000E-03	8.3563000E-01	4.3486000E-03	6.5400000E-03
2.2690000E+03	5.0700000E-03	8.3560000E-01	4.2364000E-03	6.3713000E-03
2.2691000E+03	4.9478000E-03	8.3556000E-01	4.1342000E-03	6.2176000E-03
2.2692000E+03	4.8373000E-03	8.3553000E-01	4.0417000E-03	6.0785000E-03
2.2693000E+03	4.7380000E-03	8.3550000E-01	3.9586000E-03	5.9535000E-03
2.2694000E+03	4.6495000E-03	8.3547000E-01	3.8845000E-03	5.8420000E-03
2.2695000E+03	4.5712000E-03	8.3544000E-01	3.8190000E-03	5.7435000E-03
2.2696000E+03	4.5026000E-03	8.3541000E-01	3.7615000E-03	5.6571000E-03
2.2697000E+03	4.4430000E-03	8.3538000E-01	3.7116000E-03	5.5819000E-03
2.2698000E+03	4.3917000E-03	8.3535000E-01	3.6686000E-03	5.5173000E-03
2.2699000E+03	4.3479000E-03	8.3532000E-01	3.6319000E-03	5.4621000E-03
2.2700000E+03	4.3109000E-03	8.3528000E-01	3.6009000E-03	5.4155000E-03
2.2701000E+03	4.2799000E-03	8.3527000E-01	3.5749000E-03	5.3764000E-03
2.2702000E+03	4.2541000E-03	8.3526000E-01	3.5533000E-03	5.3439000E-03
2.2703000E+03	4.2326000E-03	8.3525000E-01	3.5353000E-03	5.3168000E-03
2.2704000E+03	4.2146000E-03	8.3524000E-01	3.5202000E-03	5.2942000E-03
2.2705000E+03	4.1995000E-03	8.3523000E-01	3.5076000E-03	5.2752000E-03
2.2706000E+03	4.1865000E-03	8.3522000E-01	3.4966000E-03	5.2587000E-03
2.2707000E+03	4.1749000E-03	8.3521000E-01	3.4869000E-03	5.2441000E-03
2.2708000E+03	4.1641000E-03	8.3520000E-01	3.4778000E-03	5.2305000E-03
2.2709000E+03	4.1535000E-03	8.3519000E-01	3.4690000E-03	5.2171000E-03
2.2710000E+03	4.1426000E-03	8.3518000E-01	3.4599000E-03	5.2034000E-03
2.2711000E+03	4.1311000E-03	8.3517000E-01	3.4502000E-03	5.1888000E-03
2.2712000E+03	4.1184000E-03	8.3516000E-01	3.4395000E-03	5.1728000E-03
2.2713000E+03	4.1043000E-03	8.3515000E-01	3.4277000E-03	5.1551000E-03
2.2714000E+03	4.0885000E-03	8.3514000E-01	3.4145000E-03	5.1352000E-03
2.2715000E+03	4.0709000E-03	8.3512000E-01	3.3997000E-03	5.1129000E-03
2.2716000E+03	4.0512000E-03	8.3511000E-01	3.3832000E-03	5.0881000E-03
2.2717000E+03	4.0293000E-03	8.3510000E-01	3.3649000E-03	5.0606000E-03
2.2718000E+03	4.0053000E-03	8.3509000E-01	3.3448000E-03	5.0303000E-03
2.2719000E+03	3.9791000E-03	8.3507000E-01	3.3228000E-03	4.9973000E-03
2.2720000E+03	3.9506000E-03	8.3506000E-01	3.2990000E-03	4.9615000E-03
2.2721000E+03	3.9201000E-03	8.3502000E-01	3.2733000E-03	4.9229000E-03
2.2722000E+03	3.8875000E-03	8.3497000E-01	3.2459000E-03	4.8816000E-03
2.2723000E+03	3.8529000E-03	8.3493000E-01	3.2169000E-03	4.8380000E-03
2.2724000E+03	3.8165000E-03	8.3488000E-01	3.1863000E-03	4.7920000E-03
2.2725000E+03	3.7784000E-03	8.3483000E-01	3.1543000E-03	4.7439000E-03
2.2726000E+03	3.7386000E-03	8.3479000E-01	3.1210000E-03	4.6937000E-03
2.2727000E+03	3.6974000E-03	8.3474000E-01	3.0864000E-03	4.6418000E-03
2.2728000E+03	3.6549000E-03	8.3470000E-01	3.0507000E-03	4.5881000E-03
2.2729000E+03	3.6111000E-03	8.3465000E-01	3.0140000E-03	4.5329000E-03
2.2730000E+03	3.5662000E-03	8.3461000E-01	2.9764000E-03	4.4762000E-03
2.2731000E+03	3.5201000E-03	8.3456000E-01	2.9378000E-03	4.4182000E-03

2.2732000E+03	3.4731000E-03	8.3452000E-01	2.8983000E-03	4.3589000E-03
2.2733000E+03	3.4250000E-03	8.3447000E-01	2.8581000E-03	4.2983000E-03
2.2734000E+03	3.3759000E-03	8.3442000E-01	2.8169000E-03	4.2365000E-03
2.2735000E+03	3.3258000E-03	8.3437000E-01	2.7750000E-03	4.1734000E-03
2.2736000E+03	3.2747000E-03	8.3432000E-01	2.7321000E-03	4.1089000E-03
2.2737000E+03	3.2240000E-03	8.3427000E-01	2.6883000E-03	4.0431000E-03
2.2738000E+03	3.1688000E-03	8.3422000E-01	2.6435000E-03	3.9757000E-03
2.2739000E+03	3.1140000E-03	8.3417000E-01	2.5976000E-03	3.9066000E-03
2.2740000E+03	3.0577000E-03	8.3411000E-01	2.5505000E-03	3.8358000E-03
2.2741000E+03	2.9999000E-03	8.3406000E-01	2.5021000E-03	3.7630000E-03
2.2742000E+03	2.9403000E-03	8.3401000E-01	2.4522000E-03	3.6880000E-03
2.2743000E+03	2.8789000E-03	8.3396000E-01	2.4009000E-03	3.6107000E-03
2.2744000E+03	2.8155000E-03	8.3390000E-01	2.3478000E-03	3.5310000E-03
2.2745000E+03	2.7500000E-03	8.3385000E-01	2.2931000E-03	3.4486000E-03
2.2746000E+03	2.6823000E-03	8.3380000E-01	2.2365000E-03	3.3635000E-03
2.2747000E+03	2.6122000E-03	8.3374000E-01	2.1779000E-03	3.2755000E-03
2.2748000E+03	2.5399000E-03	8.3369000E-01	2.1175000E-03	3.1845000E-03
2.2749000E+03	2.4651000E-03	8.3364000E-01	2.0550000E-03	3.0906000E-03
2.2750000E+03	2.3879000E-03	8.3359000E-01	1.9905000E-03	2.9936000E-03
2.2751000E+03	2.3083000E-03	8.3354000E-01	1.9241000E-03	2.8937000E-03
2.2752000E+03	2.2265000E-03	8.3349000E-01	1.8558000E-03	2.7910000E-03
2.2753000E+03	2.1426000E-03	8.3343000E-01	1.7857000E-03	2.6856000E-03
2.2754000E+03	2.0567000E-03	8.3338000E-01	1.7140000E-03	2.5778000E-03
2.2755000E+03	1.9692000E-03	8.3333000E-01	1.6410000E-03	2.4679000E-03
2.2756000E+03	1.8803000E-03	8.3328000E-01	1.5668000E-03	2.3564000E-03
2.2757000E+03	1.7905000E-03	8.3323000E-01	1.4919000E-03	2.2438000E-03
2.2758000E+03	1.7004000E-03	8.3318000E-01	1.4167000E-03	2.1307000E-03
2.2759000E+03	1.6105000E-03	8.3313000E-01	1.3418000E-03	2.0179000E-03
2.2760000E+03	1.5216000E-03	8.3308000E-01	1.2676000E-03	1.9064000E-03
2.2761000E+03	1.4346000E-03	8.3304000E-01	1.1950000E-03	1.7973000E-03
2.2762000E+03	1.3504000E-03	8.3299000E-01	1.1249000E-03	1.6918000E-03
2.2763000E+03	1.2704000E-03	8.3295000E-01	1.0582000E-03	1.5914000E-03
2.2764000E+03	1.1956000E-03	8.3290000E-01	9.9582000E-04	1.4977000E-03
2.2765000E+03	1.1275000E-03	8.3286000E-01	9.3901000E-04	1.4122000E-03
2.2766000E+03	1.0672000E-03	8.3282000E-01	8.8875000E-04	1.3366000E-03
2.2767000E+03	1.0159000E-03	8.3277000E-01	8.4600000E-04	1.2723000E-03
2.2768000E+03	9.7456000E-04	8.3273000E-01	8.1155000E-04	1.2205000E-03
2.2769000E+03	9.4381000E-04	8.3268000E-01	7.8590000E-04	1.1819000E-03
2.2770000E+03	9.2395000E-04	8.3264000E-01	7.6932000E-04	1.1570000E-03
2.2771000E+03	9.1496000E-04	8.3260000E-01	7.6179000E-04	1.1457000E-03
2.2772000E+03	0.0000000E+00	8.3256000E-01	0.0000000E+00	0.0000000E+00
Channel 17				

Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.3817000E+03	0.0000000E+00	8.1785000E-01	0.0000000E+00	0.0000000E+00
2.3818000E+03	7.8632000E-04	8.1769000E-01	6.4297000E-04	1.0508000E-03
2.3819000E+03	7.9479000E-04	8.1754000E-01	6.4977000E-04	1.0620000E-03
2.3820000E+03	8.0299000E-04	8.1739000E-01	6.5636000E-04	1.0727000E-03
2.3821000E+03	8.1098000E-04	8.1729000E-01	6.6280000E-04	1.0833000E-03
2.3822000E+03	8.1880000E-04	8.1719000E-01	6.6911000E-04	1.0936000E-03
2.3823000E+03	8.2630000E-04	8.1709000E-01	6.7516000E-04	1.1035000E-03
2.3824000E+03	8.3430000E-04	8.1699000E-01	6.8162000E-04	1.1140000E-03
2.3825000E+03	8.4234000E-04	8.1689000E-01	6.8810000E-04	1.1246000E-03
2.3826000E+03	8.5051000E-04	8.1679000E-01	6.9469000E-04	1.1354000E-03
2.3827000E+03	8.5888000E-04	8.1669000E-01	7.0144000E-04	1.1464000E-03
2.3828000E+03	8.6754000E-04	8.1659000E-01	7.0842000E-04	1.1578000E-03
2.3829000E+03	8.7658000E-04	8.1649000E-01	7.1572000E-04	1.1697000E-03
2.3830000E+03	8.8610000E-04	8.1639000E-01	7.2341000E-04	1.1823000E-03
2.3831000E+03	8.9621000E-04	8.1629000E-01	7.3157000E-04	1.1956000E-03
2.3832000E+03	9.0702000E-04	8.1619000E-01	7.4030000E-04	1.2099000E-03
2.3833000E+03	9.1866000E-04	8.1609000E-01	7.4970000E-04	1.2253000E-03
2.3834000E+03	9.3123000E-04	8.1599000E-01	7.5987000E-04	1.2419000E-03
2.3835000E+03	9.4489000E-04	8.1589000E-01	7.7092000E-04	1.2600000E-03
2.3836000E+03	9.5975000E-04	8.1578000E-01	7.8295000E-04	1.2796000E-03
2.3837000E+03	9.7597000E-04	8.1568000E-01	7.9608000E-04	1.3011000E-03
2.3838000E+03	9.9368000E-04	8.1558000E-01	8.1043000E-04	1.3245000E-03
2.3839000E+03	1.0130000E-03	8.1548000E-01	8.2611000E-04	1.3502000E-03
2.3840000E+03	1.0342000E-03	8.1538000E-01	8.4323000E-04	1.3781000E-03
2.3841000E+03	1.0572000E-03	8.1531000E-01	8.6196000E-04	1.4088000E-03
2.3842000E+03	1.0824000E-03	8.1524000E-01	8.8238000E-04	1.4421000E-03
2.3843000E+03	1.1097000E-03	8.1517000E-01	9.0459000E-04	1.4784000E-03
2.3844000E+03	1.1394000E-03	8.1511000E-01	9.2872000E-04	1.5179000E-03
2.3845000E+03	1.1716000E-03	8.1504000E-01	9.5486000E-04	1.5606000E-03
2.3846000E+03	1.2063000E-03	8.1497000E-01	9.8312000E-04	1.6068000E-03
2.3847000E+03	1.2438000E-03	8.1490000E-01	1.0136000E-03	1.6566000E-03
2.3848000E+03	1.2842000E-03	8.1483000E-01	1.0464000E-03	1.7101000E-03
2.3849000E+03	1.3274000E-03	8.1477000E-01	1.0815000E-03	1.7676000E-03
2.3850000E+03	1.3737000E-03	8.1470000E-01	1.1192000E-03	1.8291000E-03
2.3851000E+03	1.4232000E-03	8.1463000E-01	1.1593000E-03	1.8948000E-03
2.3852000E+03	1.4758000E-03	8.1456000E-01	1.2021000E-03	1.9647000E-03
2.3853000E+03	1.5317000E-03	8.1449000E-01	1.2476000E-03	2.0390000E-03
2.3854000E+03	1.5910000E-03	8.1442000E-01	1.2957000E-03	2.1177000E-03
2.3855000E+03	1.6536000E-03	8.1435000E-01	1.3466000E-03	2.2009000E-03

2.3856000E+03	1.7197000E-03	8.1428000E-01	1.4004000E-03	2.2887000E-03
2.3857000E+03	1.7894000E-03	8.1421000E-01	1.4569000E-03	2.3811000E-03
2.3858000E+03	1.8625000E-03	8.1414000E-01	1.5164000E-03	2.4783000E-03
2.3859000E+03	1.9393000E-03	8.1408000E-01	1.5787000E-03	2.5802000E-03
2.3860000E+03	2.0197000E-03	8.1401000E-01	1.6440000E-03	2.6870000E-03
2.3861000E+03	2.1038000E-03	8.1395000E-01	1.7124000E-03	2.7986000E-03
2.3862000E+03	2.1915000E-03	8.1390000E-01	1.7837000E-03	2.9152000E-03
2.3863000E+03	2.2830000E-03	8.1384000E-01	1.8580000E-03	3.0367000E-03
2.3864000E+03	2.3783000E-03	8.1379000E-01	1.9354000E-03	3.1631000E-03
2.3865000E+03	2.4773000E-03	8.1373000E-01	2.0159000E-03	3.2946000E-03
2.3866000E+03	2.5802000E-03	8.1367000E-01	2.0994000E-03	3.4312000E-03
2.3867000E+03	2.6869000E-03	8.1361000E-01	2.1861000E-03	3.5728000E-03
2.3868000E+03	2.7975000E-03	8.1355000E-01	2.2759000E-03	3.7196000E-03
2.3869000E+03	2.9120000E-03	8.1349000E-01	2.3689000E-03	3.8716000E-03
2.3870000E+03	3.0305000E-03	8.1343000E-01	2.4651000E-03	4.0288000E-03
2.3871000E+03	3.1529000E-03	8.1337000E-01	2.5645000E-03	4.1913000E-03
2.3872000E+03	3.2794000E-03	8.1331000E-01	2.6672000E-03	4.3591000E-03
2.3873000E+03	3.4100000E-03	8.1325000E-01	2.7732000E-03	4.5323000E-03
2.3874000E+03	3.5447000E-03	8.1319000E-01	2.8825000E-03	4.7110000E-03
2.3875000E+03	3.6835000E-03	8.1313000E-01	2.9951000E-03	4.8951000E-03
2.3876000E+03	3.8265000E-03	8.1307000E-01	3.1112000E-03	5.0848000E-03
2.3877000E+03	3.9738000E-03	8.1301000E-01	3.2307000E-03	5.2802000E-03
2.3878000E+03	4.1254000E-03	8.1295000E-01	3.3537000E-03	5.4812000E-03
2.3879000E+03	4.2814000E-03	8.1289000E-01	3.4803000E-03	5.6880000E-03
2.3880000E+03	4.4418000E-03	8.1283000E-01	3.6104000E-03	5.9007000E-03
2.3881000E+03	4.6067000E-03	8.1278000E-01	3.7443000E-03	6.1195000E-03
2.3882000E+03	4.7762000E-03	8.1274000E-01	3.8818000E-03	6.3443000E-03
2.3883000E+03	4.9503000E-03	8.1270000E-01	4.0231000E-03	6.5752000E-03
2.3884000E+03	5.1291000E-03	8.1265000E-01	4.1682000E-03	6.8123000E-03
2.3885000E+03	5.3128000E-03	8.1261000E-01	4.3172000E-03	7.0558000E-03
2.3886000E+03	5.5013000E-03	8.1256000E-01	4.4701000E-03	7.3058000E-03
2.3887000E+03	5.6947000E-03	8.1252000E-01	4.6271000E-03	7.5623000E-03
2.3888000E+03	5.8933000E-03	8.1248000E-01	4.7881000E-03	7.8255000E-03
2.3889000E+03	6.0969000E-03	8.1243000E-01	4.9534000E-03	8.0956000E-03
2.3890000E+03	6.3059000E-03	8.1239000E-01	5.1228000E-03	8.3726000E-03
2.3891000E+03	6.5202000E-03	8.1234000E-01	5.2966000E-03	8.6566000E-03
2.3892000E+03	6.7400000E-03	8.1230000E-01	5.4749000E-03	8.9479000E-03
2.3893000E+03	6.9654000E-03	8.1225000E-01	5.6576000E-03	9.2466000E-03
2.3894000E+03	7.1965000E-03	8.1220000E-01	5.8450000E-03	9.5528000E-03
2.3895000E+03	7.4334000E-03	8.1215000E-01	6.0370000E-03	9.8667000E-03
2.3896000E+03	7.6763000E-03	8.1211000E-01	6.2339000E-03	1.0188000E-02
2.3897000E+03	7.9252000E-03	8.1206000E-01	6.4358000E-03	1.0518000E-02
2.3898000E+03	8.1805000E-03	8.1201000E-01	6.6426000E-03	1.0856000E-02

2.3899000E+03	8.4421000E-03	8.1196000E-01	6.8547000E-03	1.1203000E-02
2.3900000E+03	8.7102000E-03	8.1192000E-01	7.0719000E-03	1.1558000E-02
2.3901000E+03	8.9850000E-03	8.1188000E-01	7.2948000E-03	1.1922000E-02
2.3902000E+03	9.2666000E-03	8.1185000E-01	7.5231000E-03	1.2295000E-02
2.3903000E+03	9.5553000E-03	8.1182000E-01	7.7571000E-03	1.2678000E-02
2.3904000E+03	9.8510000E-03	8.1178000E-01	7.9969000E-03	1.3070000E-02
2.3905000E+03	1.0154000E-02	8.1175000E-01	8.2427000E-03	1.3471000E-02
2.3906000E+03	1.0465000E-02	8.1171000E-01	8.4944000E-03	1.3883000E-02
2.3907000E+03	1.0783000E-02	8.1168000E-01	8.7524000E-03	1.4305000E-02
2.3908000E+03	1.1109000E-02	8.1165000E-01	9.0168000E-03	1.4737000E-02
2.3909000E+03	1.1444000E-02	8.1161000E-01	9.2878000E-03	1.5180000E-02
2.3910000E+03	1.1786000E-02	8.1158000E-01	9.5653000E-03	1.5633000E-02
2.3911000E+03	1.2137000E-02	8.1154000E-01	9.8497000E-03	1.6098000E-02
2.3912000E+03	1.2497000E-02	8.1150000E-01	1.0141000E-02	1.6574000E-02
2.3913000E+03	1.2865000E-02	8.1146000E-01	1.0440000E-02	1.7062000E-02
2.3914000E+03	1.3243000E-02	8.1142000E-01	1.0746000E-02	1.7562000E-02
2.3915000E+03	1.3630000E-02	8.1138000E-01	1.1059000E-02	1.8074000E-02
2.3916000E+03	1.4026000E-02	8.1135000E-01	1.1380000E-02	1.8599000E-02
2.3917000E+03	1.4432000E-02	8.1131000E-01	1.1709000E-02	1.9136000E-02
2.3918000E+03	1.4848000E-02	8.1127000E-01	1.2046000E-02	1.9687000E-02
2.3919000E+03	1.5274000E-02	8.1123000E-01	1.2391000E-02	2.0252000E-02
2.3920000E+03	1.5711000E-02	8.1119000E-01	1.2745000E-02	2.0830000E-02
2.3921000E+03	1.6159000E-02	8.1115000E-01	1.3107000E-02	2.1422000E-02
2.3922000E+03	1.6617000E-02	8.1111000E-01	1.3478000E-02	2.2028000E-02
2.3923000E+03	1.7087000E-02	8.1107000E-01	1.3859000E-02	2.2650000E-02
2.3924000E+03	1.7568000E-02	8.1103000E-01	1.4248000E-02	2.3287000E-02
2.3925000E+03	1.8061000E-02	8.1099000E-01	1.4647000E-02	2.3939000E-02
2.3926000E+03	1.8566000E-02	8.1095000E-01	1.5056000E-02	2.4607000E-02
2.3927000E+03	1.9083000E-02	8.1091000E-01	1.5475000E-02	2.5292000E-02
2.3928000E+03	1.9614000E-02	8.1087000E-01	1.5904000E-02	2.5993000E-02
2.3929000E+03	2.0157000E-02	8.1082000E-01	1.6344000E-02	2.6711000E-02
2.3930000E+03	2.0713000E-02	8.1078000E-01	1.6794000E-02	2.7447000E-02
2.3931000E+03	2.1283000E-02	8.1074000E-01	1.7255000E-02	2.8201000E-02
2.3932000E+03	2.1868000E-02	8.1070000E-01	1.7728000E-02	2.8974000E-02
2.3933000E+03	2.2466000E-02	8.1065000E-01	1.8212000E-02	2.9766000E-02
2.3934000E+03	2.3080000E-02	8.1061000E-01	1.8709000E-02	3.0577000E-02
2.3935000E+03	2.3709000E-02	8.1057000E-01	1.9218000E-02	3.1408000E-02
2.3936000E+03	2.4353000E-02	8.1053000E-01	1.9739000E-02	3.2260000E-02
2.3937000E+03	2.5014000E-02	8.1048000E-01	2.0273000E-02	3.3134000E-02
2.3938000E+03	2.5691000E-02	8.1044000E-01	2.0821000E-02	3.4029000E-02
2.3939000E+03	2.6385000E-02	8.1040000E-01	2.1382000E-02	3.4946000E-02
2.3940000E+03	2.7097000E-02	8.1036000E-01	2.1958000E-02	3.5887000E-02
2.3941000E+03	2.7826000E-02	8.1030000E-01	2.2548000E-02	3.6851000E-02

2.3942000E+03	2.8575000E-02	8.1024000E-01	2.3153000E-02	3.7840000E-02
2.3943000E+03	2.9343000E-02	8.1018000E-01	2.3773000E-02	3.8854000E-02
2.3944000E+03	3.0130000E-02	8.1012000E-01	2.4409000E-02	3.9894000E-02
2.3945000E+03	3.0939000E-02	8.1007000E-01	2.5062000E-02	4.0961000E-02
2.3946000E+03	3.1768000E-02	8.1001000E-01	2.5732000E-02	4.2055000E-02
2.3947000E+03	3.2619000E-02	8.0995000E-01	2.6420000E-02	4.3179000E-02
2.3948000E+03	3.3492000E-02	8.0989000E-01	2.7125000E-02	4.4332000E-02
2.3949000E+03	3.4389000E-02	8.0983000E-01	2.7850000E-02	4.5516000E-02
2.3950000E+03	3.5310000E-02	8.0978000E-01	2.8594000E-02	4.6732000E-02
2.3951000E+03	3.6256000E-02	8.0972000E-01	2.9358000E-02	4.7981000E-02
2.3952000E+03	3.7228000E-02	8.0966000E-01	3.0142000E-02	4.9263000E-02
2.3953000E+03	3.8227000E-02	8.0961000E-01	3.0949000E-02	5.0581000E-02
2.3954000E+03	3.9253000E-02	8.0955000E-01	3.1777000E-02	5.1935000E-02
2.3955000E+03	4.0307000E-02	8.0949000E-01	3.2628000E-02	5.3326000E-02
2.3956000E+03	4.1391000E-02	8.0944000E-01	3.3504000E-02	5.4757000E-02
2.3957000E+03	4.2506000E-02	8.0938000E-01	3.4403000E-02	5.6227000E-02
2.3958000E+03	4.3652000E-02	8.0932000E-01	3.5328000E-02	5.7739000E-02
2.3959000E+03	4.4831000E-02	8.0927000E-01	3.6280000E-02	5.9294000E-02
2.3960000E+03	4.6043000E-02	8.0921000E-01	3.7259000E-02	6.0894000E-02
2.3961000E+03	4.7291000E-02	8.0914000E-01	3.8265000E-02	6.2539000E-02
2.3962000E+03	4.8574000E-02	8.0908000E-01	3.9301000E-02	6.4231000E-02
2.3963000E+03	4.9896000E-02	8.0902000E-01	4.0366000E-02	6.5973000E-02
2.3964000E+03	5.1056000E-02	8.0895000E-01	4.1302000E-02	6.7502000E-02
2.3965000E+03	5.2449000E-02	8.0889000E-01	4.2426000E-02	6.9339000E-02
2.3966000E+03	5.3883000E-02	8.0882000E-01	4.3582000E-02	7.1229000E-02
2.3967000E+03	5.5360000E-02	8.0876000E-01	4.4773000E-02	7.3175000E-02
2.3968000E+03	5.6880000E-02	8.0870000E-01	4.5998000E-02	7.5178000E-02
2.3969000E+03	5.8445000E-02	8.0863000E-01	4.7261000E-02	7.7241000E-02
2.3970000E+03	6.0057000E-02	8.0857000E-01	4.8560000E-02	7.9365000E-02
2.3971000E+03	6.1717000E-02	8.0851000E-01	4.9899000E-02	8.1552000E-02
2.3972000E+03	6.3426000E-02	8.0846000E-01	5.1277000E-02	8.3805000E-02
2.3973000E+03	6.5186000E-02	8.0840000E-01	5.2697000E-02	8.6125000E-02
2.3974000E+03	6.6999000E-02	8.0834000E-01	5.4158000E-02	8.8514000E-02
2.3975000E+03	6.8866000E-02	8.0829000E-01	5.5663000E-02	9.0974000E-02
2.3976000E+03	7.0788000E-02	8.0823000E-01	5.7213000E-02	9.3506000E-02
2.3977000E+03	7.2767000E-02	8.0817000E-01	5.8808000E-02	9.6114000E-02
2.3978000E+03	7.4804000E-02	8.0812000E-01	6.0451000E-02	9.8798000E-02
2.3979000E+03	7.6902000E-02	8.0806000E-01	6.2141000E-02	1.0156000E-01
2.3980000E+03	7.9061000E-02	8.0800000E-01	6.3882000E-02	1.0441000E-01
2.3981000E+03	8.1283000E-02	8.0797000E-01	6.5674000E-02	1.0734000E-01
2.3982000E+03	8.3569000E-02	8.0794000E-01	6.7519000E-02	1.1035000E-01
2.3983000E+03	8.5922000E-02	8.0791000E-01	6.9417000E-02	1.1345000E-01
2.3984000E+03	8.8341000E-02	8.0788000E-01	7.1369000E-02	1.1664000E-01

2.3985000E+03	9.0830000E-02	8.0785000E-01	7.3377000E-02	1.1992000E-01
2.3986000E+03	9.3389000E-02	8.0781000E-01	7.5441000E-02	1.2330000E-01
2.3987000E+03	9.6020000E-02	8.0778000E-01	7.7563000E-02	1.2677000E-01
2.3988000E+03	9.8723000E-02	8.0775000E-01	7.9744000E-02	1.3033000E-01
2.3989000E+03	1.0150000E-01	8.0772000E-01	8.1984000E-02	1.3399000E-01
2.3990000E+03	1.0435000E-01	8.0769000E-01	8.4286000E-02	1.3775000E-01
2.3991000E+03	1.0729000E-01	8.0766000E-01	8.6650000E-02	1.4162000E-01
2.3992000E+03	1.1029000E-01	8.0763000E-01	8.9076000E-02	1.4558000E-01
2.3993000E+03	1.1338000E-01	8.0760000E-01	9.1566000E-02	1.4965000E-01
2.3994000E+03	1.1655000E-01	8.0757000E-01	9.4121000E-02	1.5383000E-01
2.3995000E+03	1.1980000E-01	8.0755000E-01	9.6741000E-02	1.5811000E-01
2.3996000E+03	1.2313000E-01	8.0752000E-01	9.9426000E-02	1.6250000E-01
2.3997000E+03	1.2654000E-01	8.0749000E-01	1.0218000E-01	1.6700000E-01
2.3998000E+03	1.3004000E-01	8.0746000E-01	1.0500000E-01	1.7161000E-01
2.3999000E+03	1.3362000E-01	8.0743000E-01	1.0789000E-01	1.7633000E-01
2.4000000E+03	1.3728000E-01	8.0740000E-01	1.1084000E-01	1.8116000E-01
2.4001000E+03	1.4103000E-01	8.0737000E-01	1.1387000E-01	1.8610000E-01
2.4002000E+03	1.4487000E-01	8.0733000E-01	1.1696000E-01	1.9115000E-01
2.4003000E+03	1.4879000E-01	8.0730000E-01	1.2012000E-01	1.9632000E-01
2.4004000E+03	1.5280000E-01	8.0727000E-01	1.2335000E-01	2.0160000E-01
2.4005000E+03	1.5690000E-01	8.0723000E-01	1.2665000E-01	2.0700000E-01
2.4006000E+03	1.6108000E-01	8.0720000E-01	1.3002000E-01	2.1251000E-01
2.4007000E+03	1.6535000E-01	8.0716000E-01	1.3346000E-01	2.1813000E-01
2.4008000E+03	1.6971000E-01	8.0713000E-01	1.3697000E-01	2.2386000E-01
2.4009000E+03	1.7415000E-01	8.0709000E-01	1.4055000E-01	2.2971000E-01
2.4010000E+03	1.7867000E-01	8.0706000E-01	1.4420000E-01	2.3567000E-01
2.4011000E+03	1.8328000E-01	8.0703000E-01	1.4792000E-01	2.4175000E-01
2.4012000E+03	1.8798000E-01	8.0699000E-01	1.5170000E-01	2.4793000E-01
2.4013000E+03	1.9276000E-01	8.0696000E-01	1.5555000E-01	2.5422000E-01
2.4014000E+03	1.9762000E-01	8.0693000E-01	1.5947000E-01	2.6062000E-01
2.4015000E+03	2.0256000E-01	8.0689000E-01	1.6345000E-01	2.6713000E-01
2.4016000E+03	2.0759000E-01	8.0686000E-01	1.6750000E-01	2.7375000E-01
2.4017000E+03	2.1269000E-01	8.0683000E-01	1.7161000E-01	2.8046000E-01
2.4018000E+03	2.1787000E-01	8.0679000E-01	1.7578000E-01	2.8728000E-01
2.4019000E+03	2.2313000E-01	8.0676000E-01	1.8001000E-01	2.9420000E-01
2.4020000E+03	2.2846000E-01	8.0673000E-01	1.8431000E-01	3.0122000E-01
2.4021000E+03	2.3386000E-01	8.0672000E-01	1.8866000E-01	3.0834000E-01
2.4022000E+03	2.3934000E-01	8.0671000E-01	1.9308000E-01	3.1556000E-01
2.4023000E+03	2.4489000E-01	8.0670000E-01	1.9755000E-01	3.2287000E-01
2.4024000E+03	2.5050000E-01	8.0669000E-01	2.0207000E-01	3.3026000E-01
2.4025000E+03	2.5617000E-01	8.0668000E-01	2.0665000E-01	3.3774000E-01
2.4026000E+03	2.6191000E-01	8.0668000E-01	2.1128000E-01	3.4530000E-01
2.4027000E+03	2.6771000E-01	8.0667000E-01	2.1595000E-01	3.5295000E-01

2.4028000E+03	2.7357000E-01	8.0666000E-01	2.2068000E-01	3.6066000E-01
2.4029000E+03	2.7948000E-01	8.0665000E-01	2.2544000E-01	3.6845000E-01
2.4030000E+03	2.8544000E-01	8.0664000E-01	2.3025000E-01	3.7631000E-01
2.4031000E+03	2.9145000E-01	8.0663000E-01	2.3509000E-01	3.8423000E-01
2.4032000E+03	2.9751000E-01	8.0661000E-01	2.3998000E-01	3.9221000E-01
2.4033000E+03	3.0361000E-01	8.0659000E-01	2.4489000E-01	4.0024000E-01
2.4034000E+03	3.0976000E-01	8.0658000E-01	2.4984000E-01	4.0833000E-01
2.4035000E+03	3.1593000E-01	8.0656000E-01	2.5482000E-01	4.1647000E-01
2.4036000E+03	3.2215000E-01	8.0654000E-01	2.5983000E-01	4.2465000E-01
2.4037000E+03	3.2839000E-01	8.0653000E-01	2.6486000E-01	4.3287000E-01
2.4038000E+03	3.3466000E-01	8.0651000E-01	2.6991000E-01	4.4113000E-01
2.4039000E+03	3.4096000E-01	8.0650000E-01	2.7498000E-01	4.4942000E-01
2.4040000E+03	3.4727000E-01	8.0648000E-01	2.8007000E-01	4.5773000E-01
2.4041000E+03	3.5360000E-01	8.0642000E-01	2.8515000E-01	4.6604000E-01
2.4042000E+03	3.5995000E-01	8.0636000E-01	2.9025000E-01	4.7437000E-01
2.4043000E+03	3.6630000E-01	8.0630000E-01	2.9535000E-01	4.8271000E-01
2.4044000E+03	3.7266000E-01	8.0624000E-01	3.0046000E-01	4.9105000E-01
2.4045000E+03	3.7903000E-01	8.0618000E-01	3.0556000E-01	4.9940000E-01
2.4046000E+03	3.8539000E-01	8.0612000E-01	3.1067000E-01	5.0774000E-01
2.4047000E+03	3.9175000E-01	8.0606000E-01	3.1577000E-01	5.1608000E-01
2.4048000E+03	3.9809000E-01	8.0600000E-01	3.2086000E-01	5.2441000E-01
2.4049000E+03	4.0443000E-01	8.0594000E-01	3.2595000E-01	5.3271000E-01
2.4050000E+03	4.1075000E-01	8.0588000E-01	3.3102000E-01	5.4100000E-01
2.4051000E+03	4.1705000E-01	8.0582000E-01	3.3607000E-01	5.4926000E-01
2.4052000E+03	4.2333000E-01	8.0577000E-01	3.4111000E-01	5.5749000E-01
2.4053000E+03	4.2958000E-01	8.0571000E-01	3.4612000E-01	5.6568000E-01
2.4054000E+03	4.3580000E-01	8.0565000E-01	3.5111000E-01	5.7383000E-01
2.4055000E+03	4.4199000E-01	8.0560000E-01	3.5607000E-01	5.8194000E-01
2.4056000E+03	4.4815000E-01	8.0554000E-01	3.6100000E-01	5.9000000E-01
2.4057000E+03	4.5426000E-01	8.0548000E-01	3.6590000E-01	5.9800000E-01
2.4058000E+03	4.6033000E-01	8.0543000E-01	3.7076000E-01	6.0595000E-01
2.4059000E+03	4.6635000E-01	8.0537000E-01	3.7558000E-01	6.1383000E-01
2.4060000E+03	4.7232000E-01	8.0531000E-01	3.8036000E-01	6.2165000E-01
2.4061000E+03	4.7824000E-01	8.0526000E-01	3.8511000E-01	6.2940000E-01
2.4062000E+03	4.8410000E-01	8.0521000E-01	3.8980000E-01	6.3708000E-01
2.4063000E+03	4.8991000E-01	8.0516000E-01	3.9445000E-01	6.4468000E-01
2.4064000E+03	4.9565000E-01	8.0511000E-01	3.9905000E-01	6.5220000E-01
2.4065000E+03	5.0133000E-01	8.0506000E-01	4.0360000E-01	6.5963000E-01
2.4066000E+03	5.0695000E-01	8.0500000E-01	4.0809000E-01	6.6697000E-01
2.4067000E+03	5.1249000E-01	8.0495000E-01	4.1253000E-01	6.7422000E-01
2.4068000E+03	5.1796000E-01	8.0490000E-01	4.1691000E-01	6.8138000E-01
2.4069000E+03	5.2336000E-01	8.0485000E-01	4.2123000E-01	6.8844000E-01
2.4070000E+03	5.2869000E-01	8.0480000E-01	4.2549000E-01	6.9540000E-01

2.4071000E+03	5.3394000E-01	8.0476000E-01	4.2969000E-01	7.0226000E-01
2.4072000E+03	5.3910000E-01	8.0471000E-01	4.3382000E-01	7.0902000E-01
2.4073000E+03	5.4419000E-01	8.0467000E-01	4.3789000E-01	7.1567000E-01
2.4074000E+03	5.4919000E-01	8.0463000E-01	4.4190000E-01	7.2222000E-01
2.4075000E+03	5.5411000E-01	8.0459000E-01	4.4583000E-01	7.2865000E-01
2.4076000E+03	5.5895000E-01	8.0454000E-01	4.4970000E-01	7.3497000E-01
2.4077000E+03	5.6369000E-01	8.0450000E-01	4.5349000E-01	7.4117000E-01
2.4078000E+03	5.6835000E-01	8.0446000E-01	4.5722000E-01	7.4726000E-01
2.4079000E+03	5.7293000E-01	8.0442000E-01	4.6087000E-01	7.5323000E-01
2.4080000E+03	5.7741000E-01	8.0438000E-01	4.6445000E-01	7.5908000E-01
2.4081000E+03	5.8180000E-01	8.0435000E-01	4.6797000E-01	7.6483000E-01
2.4082000E+03	5.8610000E-01	8.0432000E-01	4.7141000E-01	7.7046000E-01
2.4083000E+03	5.9031000E-01	8.0429000E-01	4.7479000E-01	7.7597000E-01
2.4084000E+03	5.9443000E-01	8.0427000E-01	4.7808000E-01	7.8136000E-01
2.4085000E+03	5.9846000E-01	8.0424000E-01	4.8131000E-01	7.8663000E-01
2.4086000E+03	6.0240000E-01	8.0421000E-01	4.8446000E-01	7.9178000E-01
2.4087000E+03	6.0625000E-01	8.0419000E-01	4.8754000E-01	7.9681000E-01
2.4088000E+03	6.1000000E-01	8.0416000E-01	4.9054000E-01	8.0172000E-01
2.4089000E+03	6.1367000E-01	8.0413000E-01	4.9347000E-01	8.0651000E-01
2.4090000E+03	6.1725000E-01	8.0411000E-01	4.9633000E-01	8.1119000E-01
2.4091000E+03	6.2073000E-01	8.0408000E-01	4.9912000E-01	8.1574000E-01
2.4092000E+03	6.2414000E-01	8.0405000E-01	5.0184000E-01	8.2018000E-01
2.4093000E+03	6.2745000E-01	8.0402000E-01	5.0448000E-01	8.2450000E-01
2.4094000E+03	6.3067000E-01	8.0399000E-01	5.0705000E-01	8.2871000E-01
2.4095000E+03	6.3381000E-01	8.0396000E-01	5.0956000E-01	8.3281000E-01
2.4096000E+03	6.3687000E-01	8.0393000E-01	5.1200000E-01	8.3679000E-01
2.4097000E+03	6.3985000E-01	8.0390000E-01	5.1437000E-01	8.4067000E-01
2.4098000E+03	6.4274000E-01	8.0387000E-01	5.1668000E-01	8.4444000E-01
2.4099000E+03	6.4555000E-01	8.0384000E-01	5.1892000E-01	8.4810000E-01
2.4100000E+03	6.4829000E-01	8.0381000E-01	5.2110000E-01	8.5167000E-01
2.4101000E+03	6.5095000E-01	8.0378000E-01	5.2321000E-01	8.5512000E-01
2.4102000E+03	6.5353000E-01	8.0374000E-01	5.2527000E-01	8.5847000E-01
2.4103000E+03	6.5604000E-01	8.0370000E-01	5.2726000E-01	8.6173000E-01
2.4104000E+03	6.5848000E-01	8.0366000E-01	5.2919000E-01	8.6489000E-01
2.4105000E+03	6.6085000E-01	8.0362000E-01	5.3107000E-01	8.6796000E-01
2.4106000E+03	6.6315000E-01	8.0359000E-01	5.3290000E-01	8.7095000E-01
2.4107000E+03	6.6539000E-01	8.0355000E-01	5.3467000E-01	8.7384000E-01
2.4108000E+03	6.6756000E-01	8.0351000E-01	5.3639000E-01	8.7665000E-01
2.4109000E+03	6.6967000E-01	8.0347000E-01	5.3806000E-01	8.7939000E-01
2.4110000E+03	6.7172000E-01	8.0344000E-01	5.3969000E-01	8.8204000E-01
2.4111000E+03	6.7372000E-01	8.0339000E-01	5.4126000E-01	8.8461000E-01
2.4112000E+03	6.7566000E-01	8.0335000E-01	5.4279000E-01	8.8711000E-01
2.4113000E+03	6.7755000E-01	8.0331000E-01	5.4428000E-01	8.8955000E-01

2.4114000E+03	6.7938000E-01	8.0327000E-01	5.4572000E-01	8.9191000E-01
2.4115000E+03	6.8117000E-01	8.0322000E-01	5.4713000E-01	8.9421000E-01
2.4116000E+03	6.8291000E-01	8.0318000E-01	5.4850000E-01	8.9645000E-01
2.4117000E+03	6.8461000E-01	8.0314000E-01	5.4984000E-01	8.9863000E-01
2.4118000E+03	6.8626000E-01	8.0310000E-01	5.5114000E-01	9.0075000E-01
2.4119000E+03	6.8788000E-01	8.0305000E-01	5.5240000E-01	9.0282000E-01
2.4120000E+03	6.8945000E-01	8.0301000E-01	5.5364000E-01	9.0485000E-01
2.4121000E+03	6.9100000E-01	8.0298000E-01	5.5485000E-01	9.0683000E-01
2.4122000E+03	6.9250000E-01	8.0294000E-01	5.5604000E-01	9.0877000E-01
2.4123000E+03	6.9398000E-01	8.0291000E-01	5.5720000E-01	9.1066000E-01
2.4124000E+03	6.9542000E-01	8.0287000E-01	5.5834000E-01	9.1252000E-01
2.4125000E+03	6.9684000E-01	8.0284000E-01	5.5945000E-01	9.1434000E-01
2.4126000E+03	6.9823000E-01	8.0280000E-01	5.6054000E-01	9.1613000E-01
2.4127000E+03	6.9960000E-01	8.0277000E-01	5.6162000E-01	9.1788000E-01
2.4128000E+03	7.0094000E-01	8.0274000E-01	5.6267000E-01	9.1961000E-01
2.4129000E+03	7.0227000E-01	8.0270000E-01	5.6371000E-01	9.2130000E-01
2.4130000E+03	7.0357000E-01	8.0267000E-01	5.6473000E-01	9.2297000E-01
2.4131000E+03	7.0485000E-01	8.0263000E-01	5.6574000E-01	9.2462000E-01
2.4132000E+03	7.0612000E-01	8.0260000E-01	5.6674000E-01	9.2625000E-01
2.4133000E+03	7.0738000E-01	8.0257000E-01	5.6772000E-01	9.2786000E-01
2.4134000E+03	7.0862000E-01	8.0254000E-01	5.6869000E-01	9.2945000E-01
2.4135000E+03	7.0985000E-01	8.0250000E-01	5.6966000E-01	9.3102000E-01
2.4136000E+03	7.1107000E-01	8.0247000E-01	5.7061000E-01	9.3258000E-01
2.4137000E+03	7.1227000E-01	8.0244000E-01	5.7156000E-01	9.3413000E-01
2.4138000E+03	7.1347000E-01	8.0241000E-01	5.7249000E-01	9.3566000E-01
2.4139000E+03	7.1466000E-01	8.0237000E-01	5.7343000E-01	9.3719000E-01
2.4140000E+03	7.1585000E-01	8.0234000E-01	5.7435000E-01	9.3870000E-01
2.4141000E+03	7.1703000E-01	8.0231000E-01	5.7528000E-01	9.4021000E-01
2.4142000E+03	7.1820000E-01	8.0227000E-01	5.7619000E-01	9.4170000E-01
2.4143000E+03	7.1937000E-01	8.0224000E-01	5.7711000E-01	9.4320000E-01
2.4144000E+03	7.2053000E-01	8.0221000E-01	5.7801000E-01	9.4468000E-01
2.4145000E+03	7.2169000E-01	8.0218000E-01	5.7892000E-01	9.4616000E-01
2.4146000E+03	7.2284000E-01	8.0214000E-01	5.7982000E-01	9.4764000E-01
2.4147000E+03	7.2400000E-01	8.0211000E-01	5.8073000E-01	9.4911000E-01
2.4148000E+03	7.2515000E-01	8.0208000E-01	5.8162000E-01	9.5058000E-01
2.4149000E+03	7.2629000E-01	8.0204000E-01	5.8252000E-01	9.5204000E-01
2.4150000E+03	7.2744000E-01	8.0201000E-01	5.8341000E-01	9.5351000E-01
2.4151000E+03	7.2858000E-01	8.0198000E-01	5.8430000E-01	9.5496000E-01
2.4152000E+03	7.2972000E-01	8.0194000E-01	5.8519000E-01	9.5641000E-01
2.4153000E+03	7.3085000E-01	8.0191000E-01	5.8608000E-01	9.5786000E-01
2.4154000E+03	7.3198000E-01	8.0188000E-01	5.8696000E-01	9.5930000E-01
2.4155000E+03	7.3311000E-01	8.0184000E-01	5.8784000E-01	9.6074000E-01
2.4156000E+03	7.3424000E-01	8.0181000E-01	5.8872000E-01	9.6218000E-01

2.4157000E+03	7.3536000E-01	8.0178000E-01	5.8959000E-01	9.6360000E-01
2.4158000E+03	7.3647000E-01	8.0174000E-01	5.9046000E-01	9.6502000E-01
2.4159000E+03	7.3758000E-01	8.0171000E-01	5.9132000E-01	9.6643000E-01
2.4160000E+03	7.3868000E-01	8.0168000E-01	5.9218000E-01	9.6784000E-01
2.4161000E+03	7.3978000E-01	8.0162000E-01	5.9302000E-01	9.6920000E-01
2.4162000E+03	7.4086000E-01	8.0156000E-01	5.9384000E-01	9.7055000E-01
2.4163000E+03	7.4194000E-01	8.0150000E-01	5.9466000E-01	9.7189000E-01
2.4164000E+03	7.4301000E-01	8.0144000E-01	5.9548000E-01	9.7322000E-01
2.4165000E+03	7.4407000E-01	8.0138000E-01	5.9628000E-01	9.7453000E-01
2.4166000E+03	7.4512000E-01	8.0132000E-01	5.9707000E-01	9.7583000E-01
2.4167000E+03	7.4615000E-01	8.0126000E-01	5.9786000E-01	9.7711000E-01
2.4168000E+03	7.4717000E-01	8.0120000E-01	5.9863000E-01	9.7838000E-01
2.4169000E+03	7.4818000E-01	8.0114000E-01	5.9939000E-01	9.7962000E-01
2.4170000E+03	7.4917000E-01	8.0108000E-01	6.0014000E-01	9.8084000E-01
2.4171000E+03	7.5014000E-01	8.0101000E-01	6.0087000E-01	9.8204000E-01
2.4172000E+03	7.5110000E-01	8.0095000E-01	6.0159000E-01	9.8322000E-01
2.4173000E+03	7.5203000E-01	8.0089000E-01	6.0230000E-01	9.8437000E-01
2.4174000E+03	7.5295000E-01	8.0083000E-01	6.0299000E-01	9.8549000E-01
2.4175000E+03	7.5384000E-01	8.0077000E-01	6.0366000E-01	9.8659000E-01
2.4176000E+03	7.5471000E-01	8.0071000E-01	6.0431000E-01	9.8765000E-01
2.4177000E+03	7.5555000E-01	8.0065000E-01	6.0494000E-01	9.8868000E-01
2.4178000E+03	7.5637000E-01	8.0059000E-01	6.0555000E-01	9.8968000E-01
2.4179000E+03	7.5717000E-01	8.0053000E-01	6.0614000E-01	9.9064000E-01
2.4180000E+03	7.5793000E-01	8.0047000E-01	6.0670000E-01	9.9157000E-01
2.4181000E+03	7.5867000E-01	8.0042000E-01	6.0725000E-01	9.9246000E-01
2.4182000E+03	7.5937000E-01	8.0036000E-01	6.0777000E-01	9.9331000E-01
2.4183000E+03	7.6004000E-01	8.0030000E-01	6.0826000E-01	9.9412000E-01
2.4184000E+03	7.6068000E-01	8.0025000E-01	6.0873000E-01	9.9488000E-01
2.4185000E+03	7.6128000E-01	8.0019000E-01	6.0917000E-01	9.9560000E-01
2.4186000E+03	7.6184000E-01	8.0014000E-01	6.0958000E-01	9.9627000E-01
2.4187000E+03	7.6237000E-01	8.0008000E-01	6.0996000E-01	9.9689000E-01
2.4188000E+03	7.6286000E-01	8.0002000E-01	6.1031000E-01	9.9746000E-01
2.4189000E+03	7.6331000E-01	7.9997000E-01	6.1062000E-01	9.9798000E-01
2.4190000E+03	7.6372000E-01	7.9991000E-01	6.1091000E-01	9.9844000E-01
2.4191000E+03	7.6408000E-01	7.9985000E-01	6.1115000E-01	9.9884000E-01
2.4192000E+03	7.6441000E-01	7.9979000E-01	6.1136000E-01	9.9918000E-01
2.4193000E+03	7.6468000E-01	7.9972000E-01	6.1154000E-01	9.9947000E-01
2.4194000E+03	7.6492000E-01	7.9966000E-01	6.1167000E-01	9.9970000E-01
2.4195000E+03	7.6510000E-01	7.9960000E-01	6.1178000E-01	9.9986000E-01
2.4196000E+03	7.6524000E-01	7.9954000E-01	6.1184000E-01	9.9996000E-01
2.4197000E+03	7.6533000E-01	7.9947000E-01	6.1186000E-01	1.0000000E+00
2.4198000E+03	7.6537000E-01	7.9941000E-01	6.1184000E-01	9.9997000E-01
2.4199000E+03	7.6536000E-01	7.9935000E-01	6.1179000E-01	9.9988000E-01

2.420000E+03	7.652900E-01	7.992900E-01	6.116900E-01	9.997200E-01
2.420100E+03	7.651800E-01	7.992200E-01	6.115500E-01	9.994900E-01
2.420200E+03	7.650100E-01	7.991500E-01	6.113600E-01	9.991800E-01
2.420300E+03	7.647900E-01	7.990900E-01	6.111300E-01	9.988100E-01
2.420400E+03	7.645100E-01	7.990200E-01	6.108600E-01	9.983600E-01
2.420500E+03	7.641800E-01	7.989600E-01	6.105400E-01	9.978500E-01
2.420600E+03	7.637900E-01	7.988900E-01	6.101800E-01	9.972600E-01
2.420700E+03	7.633400E-01	7.988200E-01	6.097800E-01	9.965900E-01
2.420800E+03	7.628400E-01	7.987600E-01	6.093200E-01	9.958500E-01
2.420900E+03	7.622800E-01	7.986900E-01	6.088300E-01	9.950400E-01
2.421000E+03	7.616600E-01	7.986200E-01	6.082800E-01	9.941500E-01
2.421100E+03	7.609900E-01	7.985600E-01	6.076900E-01	9.931800E-01
2.421200E+03	7.602500E-01	7.984900E-01	6.070500E-01	9.921400E-01
2.421300E+03	7.594600E-01	7.984200E-01	6.063700E-01	9.910200E-01
2.421400E+03	7.586000E-01	7.983600E-01	6.056300E-01	9.898200E-01
2.421500E+03	7.576900E-01	7.982900E-01	6.048500E-01	9.885500E-01
2.421600E+03	7.567200E-01	7.982200E-01	6.040300E-01	9.871900E-01
2.421700E+03	7.556800E-01	7.981500E-01	6.031500E-01	9.857600E-01
2.421800E+03	7.545900E-01	7.980900E-01	6.022300E-01	9.842600E-01
2.421900E+03	7.534400E-01	7.980200E-01	6.012600E-01	9.826700E-01
2.422000E+03	7.522200E-01	7.979500E-01	6.002400E-01	9.810000E-01
2.422100E+03	7.509500E-01	7.978800E-01	5.991600E-01	9.792500E-01
2.422200E+03	7.496100E-01	7.978000E-01	5.980400E-01	9.774200E-01
2.422300E+03	7.482200E-01	7.977300E-01	5.968700E-01	9.755000E-01
2.422400E+03	7.467700E-01	7.976500E-01	5.956600E-01	9.735200E-01
2.422500E+03	7.452500E-01	7.975700E-01	5.943900E-01	9.714500E-01
2.422600E+03	7.436800E-01	7.975000E-01	5.930800E-01	9.693100E-01
2.422700E+03	7.420400E-01	7.974200E-01	5.917200E-01	9.670900E-01
2.422800E+03	7.403500E-01	7.973500E-01	5.903200E-01	9.647900E-01
2.422900E+03	7.386000E-01	7.973000E-01	5.888800E-01	9.624500E-01
2.423000E+03	7.367900E-01	7.972400E-01	5.874000E-01	9.600200E-01
2.423100E+03	7.349200E-01	7.971900E-01	5.858700E-01	9.575300E-01
2.423200E+03	7.329900E-01	7.971400E-01	5.843000E-01	9.549600E-01
2.423300E+03	7.310100E-01	7.970900E-01	5.826800E-01	9.523100E-01
2.423400E+03	7.289700E-01	7.970400E-01	5.810200E-01	9.495900E-01
2.423500E+03	7.268700E-01	7.969900E-01	5.793100E-01	9.468000E-01
2.423600E+03	7.247200E-01	7.969400E-01	5.775600E-01	9.439400E-01
2.423700E+03	7.225100E-01	7.968900E-01	5.757600E-01	9.410000E-01
2.423800E+03	7.202400E-01	7.968400E-01	5.739200E-01	9.379900E-01
2.423900E+03	7.179200E-01	7.967900E-01	5.720300E-01	9.349100E-01
2.424000E+03	7.155400E-01	7.967400E-01	5.701100E-01	9.317600E-01
2.424100E+03	7.131100E-01	7.967300E-01	5.681600E-01	9.285700E-01
2.424200E+03	7.106300E-01	7.967100E-01	5.661700E-01	9.253200E-01

2.4243000E+03	7.0810000E-01	7.9669000E-01	5.6413000E-01	9.2199000E-01
2.4244000E+03	7.0551000E-01	7.9667000E-01	5.6206000E-01	9.1860000E-01
2.4245000E+03	7.0287000E-01	7.9665000E-01	5.5994000E-01	9.1515000E-01
2.4246000E+03	7.0018000E-01	7.9663000E-01	5.5778000E-01	9.1162000E-01
2.4247000E+03	6.9744000E-01	7.9661000E-01	5.5559000E-01	9.0803000E-01
2.4248000E+03	6.9465000E-01	7.9659000E-01	5.5335000E-01	9.0437000E-01
2.4249000E+03	6.9181000E-01	7.9657000E-01	5.5108000E-01	9.0065000E-01
2.4250000E+03	6.8892000E-01	7.9655000E-01	5.4876000E-01	8.9687000E-01
2.4251000E+03	6.8598000E-01	7.9654000E-01	5.4641000E-01	8.9303000E-01
2.4252000E+03	6.8299000E-01	7.9652000E-01	5.4402000E-01	8.8912000E-01
2.4253000E+03	6.7996000E-01	7.9650000E-01	5.4159000E-01	8.8515000E-01
2.4254000E+03	6.7688000E-01	7.9649000E-01	5.3913000E-01	8.8113000E-01
2.4255000E+03	6.7376000E-01	7.9647000E-01	5.3663000E-01	8.7704000E-01
2.4256000E+03	6.7058000E-01	7.9645000E-01	5.3409000E-01	8.7289000E-01
2.4257000E+03	6.6737000E-01	7.9643000E-01	5.3152000E-01	8.6869000E-01
2.4258000E+03	6.6411000E-01	7.9642000E-01	5.2891000E-01	8.6442000E-01
2.4259000E+03	6.6080000E-01	7.9640000E-01	5.2626000E-01	8.6010000E-01
2.4260000E+03	6.5746000E-01	7.9638000E-01	5.2359000E-01	8.5573000E-01
2.4261000E+03	6.5407000E-01	7.9633000E-01	5.2086000E-01	8.5127000E-01
2.4262000E+03	6.5064000E-01	7.9628000E-01	5.1809000E-01	8.4675000E-01
2.4263000E+03	6.4717000E-01	7.9624000E-01	5.1530000E-01	8.4218000E-01
2.4264000E+03	6.4365000E-01	7.9619000E-01	5.1247000E-01	8.3755000E-01
2.4265000E+03	6.4010000E-01	7.9614000E-01	5.0961000E-01	8.3288000E-01
2.4266000E+03	6.3650000E-01	7.9609000E-01	5.0671000E-01	8.2815000E-01
2.4267000E+03	6.3287000E-01	7.9604000E-01	5.0379000E-01	8.2338000E-01
2.4268000E+03	6.2920000E-01	7.9599000E-01	5.0084000E-01	8.1855000E-01
2.4269000E+03	6.2549000E-01	7.9594000E-01	4.9786000E-01	8.1367000E-01
2.4270000E+03	6.2174000E-01	7.9589000E-01	4.9484000E-01	8.0875000E-01
2.4271000E+03	6.1796000E-01	7.9584000E-01	4.9180000E-01	8.0377000E-01
2.4272000E+03	6.1414000E-01	7.9579000E-01	4.8873000E-01	7.9875000E-01
2.4273000E+03	6.1029000E-01	7.9573000E-01	4.8562000E-01	7.9368000E-01
2.4274000E+03	6.0640000E-01	7.9568000E-01	4.8250000E-01	7.8857000E-01
2.4275000E+03	6.0247000E-01	7.9562000E-01	4.7934000E-01	7.8341000E-01
2.4276000E+03	5.9851000E-01	7.9557000E-01	4.7616000E-01	7.7821000E-01
2.4277000E+03	5.9452000E-01	7.9552000E-01	4.7295000E-01	7.7297000E-01
2.4278000E+03	5.9049000E-01	7.9546000E-01	4.6972000E-01	7.6768000E-01
2.4279000E+03	5.8643000E-01	7.9541000E-01	4.6646000E-01	7.6236000E-01
2.4280000E+03	5.8234000E-01	7.9536000E-01	4.6317000E-01	7.5699000E-01
2.4281000E+03	5.7822000E-01	7.9531000E-01	4.5987000E-01	7.5159000E-01
2.4282000E+03	5.7407000E-01	7.9527000E-01	4.5654000E-01	7.4615000E-01
2.4283000E+03	5.6989000E-01	7.9522000E-01	4.5319000E-01	7.4067000E-01
2.4284000E+03	5.6568000E-01	7.9518000E-01	4.4982000E-01	7.3516000E-01
2.4285000E+03	5.6144000E-01	7.9514000E-01	4.4642000E-01	7.2961000E-01

2.4286000E+03	5.5717000E-01	7.9509000E-01	4.4300000E-01	7.2402000E-01
2.4287000E+03	5.5287000E-01	7.9505000E-01	4.3956000E-01	7.1840000E-01
2.4288000E+03	5.4855000E-01	7.9501000E-01	4.3610000E-01	7.1275000E-01
2.4289000E+03	5.4421000E-01	7.9497000E-01	4.3262000E-01	7.0706000E-01
2.4290000E+03	5.3983000E-01	7.9492000E-01	4.2912000E-01	7.0134000E-01
2.4291000E+03	5.3543000E-01	7.9489000E-01	4.2561000E-01	6.9559000E-01
2.4292000E+03	5.3101000E-01	7.9485000E-01	4.2207000E-01	6.8982000E-01
2.4293000E+03	5.2656000E-01	7.9481000E-01	4.1852000E-01	6.8401000E-01
2.4294000E+03	5.2210000E-01	7.9477000E-01	4.1494000E-01	6.7817000E-01
2.4295000E+03	5.1760000E-01	7.9473000E-01	4.1135000E-01	6.7230000E-01
2.4296000E+03	5.1309000E-01	7.9469000E-01	4.0775000E-01	6.6641000E-01
2.4297000E+03	5.0856000E-01	7.9465000E-01	4.0413000E-01	6.6049000E-01
2.4298000E+03	5.0401000E-01	7.9461000E-01	4.0049000E-01	6.5455000E-01
2.4299000E+03	4.9944000E-01	7.9457000E-01	3.9684000E-01	6.4858000E-01
2.4300000E+03	4.9485000E-01	7.9453000E-01	3.9317000E-01	6.4259000E-01
2.4301000E+03	4.9024000E-01	7.9450000E-01	3.8950000E-01	6.3658000E-01
2.4302000E+03	4.8562000E-01	7.9447000E-01	3.8581000E-01	6.3055000E-01
2.4303000E+03	4.8098000E-01	7.9443000E-01	3.8211000E-01	6.2450000E-01
2.4304000E+03	4.7633000E-01	7.9440000E-01	3.7840000E-01	6.1843000E-01
2.4305000E+03	4.7166000E-01	7.9436000E-01	3.7467000E-01	6.1235000E-01
2.4306000E+03	4.6699000E-01	7.9433000E-01	3.7094000E-01	6.0625000E-01
2.4307000E+03	4.6229000E-01	7.9429000E-01	3.6720000E-01	6.0013000E-01
2.4308000E+03	4.5759000E-01	7.9426000E-01	3.6345000E-01	5.9400000E-01
2.4309000E+03	4.5288000E-01	7.9423000E-01	3.5969000E-01	5.8786000E-01
2.4310000E+03	4.4816000E-01	7.9419000E-01	3.5593000E-01	5.8171000E-01
2.4311000E+03	4.4343000E-01	7.9416000E-01	3.5216000E-01	5.7555000E-01
2.4312000E+03	4.3870000E-01	7.9413000E-01	3.4838000E-01	5.6938000E-01
2.4313000E+03	4.3395000E-01	7.9410000E-01	3.4460000E-01	5.6321000E-01
2.4314000E+03	4.2921000E-01	7.9407000E-01	3.4082000E-01	5.5703000E-01
2.4315000E+03	4.2446000E-01	7.9404000E-01	3.3704000E-01	5.5084000E-01
2.4316000E+03	4.1970000E-01	7.9402000E-01	3.3325000E-01	5.4465000E-01
2.4317000E+03	4.1495000E-01	7.9399000E-01	3.2946000E-01	5.3846000E-01
2.4318000E+03	4.1019000E-01	7.9396000E-01	3.2567000E-01	5.3226000E-01
2.4319000E+03	4.0543000E-01	7.9393000E-01	3.2188000E-01	5.2607000E-01
2.4320000E+03	4.0067000E-01	7.9390000E-01	3.1810000E-01	5.1988000E-01
2.4321000E+03	3.9592000E-01	7.9387000E-01	3.1431000E-01	5.1369000E-01
2.4322000E+03	3.9117000E-01	7.9383000E-01	3.1052000E-01	5.0751000E-01
2.4323000E+03	3.8642000E-01	7.9380000E-01	3.0674000E-01	5.0133000E-01
2.4324000E+03	3.8168000E-01	7.9377000E-01	3.0297000E-01	4.9516000E-01
2.4325000E+03	3.7695000E-01	7.9374000E-01	2.9920000E-01	4.8900000E-01
2.4326000E+03	3.7222000E-01	7.9370000E-01	2.9543000E-01	4.8284000E-01
2.4327000E+03	3.6750000E-01	7.9367000E-01	2.9168000E-01	4.7670000E-01
2.4328000E+03	3.6279000E-01	7.9364000E-01	2.8793000E-01	4.7058000E-01

2.4329000E+03	3.5810000E-01	7.9361000E-01	2.8419000E-01	4.6446000E-01
2.4330000E+03	3.5341000E-01	7.9357000E-01	2.8046000E-01	4.5837000E-01
2.4331000E+03	3.4874000E-01	7.9354000E-01	2.7674000E-01	4.5229000E-01
2.4332000E+03	3.4408000E-01	7.9351000E-01	2.7303000E-01	4.4623000E-01
2.4333000E+03	3.3943000E-01	7.9348000E-01	2.6933000E-01	4.4019000E-01
2.4334000E+03	3.3480000E-01	7.9345000E-01	2.6565000E-01	4.3417000E-01
2.4335000E+03	3.3019000E-01	7.9342000E-01	2.6198000E-01	4.2817000E-01
2.4336000E+03	3.2560000E-01	7.9339000E-01	2.5833000E-01	4.2220000E-01
2.4337000E+03	3.2102000E-01	7.9336000E-01	2.5469000E-01	4.1625000E-01
2.4338000E+03	3.1647000E-01	7.9333000E-01	2.5106000E-01	4.1033000E-01
2.4339000E+03	3.1194000E-01	7.9329000E-01	2.4746000E-01	4.0443000E-01
2.4340000E+03	3.0742000E-01	7.9326000E-01	2.4387000E-01	3.9857000E-01
2.4341000E+03	3.0294000E-01	7.9326000E-01	2.4031000E-01	3.9275000E-01
2.4342000E+03	2.9847000E-01	7.9325000E-01	2.3676000E-01	3.8695000E-01
2.4343000E+03	2.9403000E-01	7.9324000E-01	2.3324000E-01	3.8119000E-01
2.4344000E+03	2.8962000E-01	7.9323000E-01	2.2973000E-01	3.7546000E-01
2.4345000E+03	2.8523000E-01	7.9323000E-01	2.2625000E-01	3.6977000E-01
2.4346000E+03	2.8087000E-01	7.9322000E-01	2.2279000E-01	3.6412000E-01
2.4347000E+03	2.7653000E-01	7.9321000E-01	2.1935000E-01	3.5849000E-01
2.4348000E+03	2.7223000E-01	7.9320000E-01	2.1593000E-01	3.5291000E-01
2.4349000E+03	2.6796000E-01	7.9320000E-01	2.1254000E-01	3.4737000E-01
2.4350000E+03	2.6371000E-01	7.9319000E-01	2.0917000E-01	3.4186000E-01
2.4351000E+03	2.5950000E-01	7.9318000E-01	2.0583000E-01	3.3640000E-01
2.4352000E+03	2.5532000E-01	7.9317000E-01	2.0251000E-01	3.3098000E-01
2.4353000E+03	2.5117000E-01	7.9316000E-01	1.9922000E-01	3.2560000E-01
2.4354000E+03	2.4706000E-01	7.9316000E-01	1.9595000E-01	3.2026000E-01
2.4355000E+03	2.4298000E-01	7.9315000E-01	1.9272000E-01	3.1497000E-01
2.4356000E+03	2.3893000E-01	7.9314000E-01	1.8950000E-01	3.0972000E-01
2.4357000E+03	2.3492000E-01	7.9313000E-01	1.8632000E-01	3.0452000E-01
2.4358000E+03	2.3095000E-01	7.9312000E-01	1.8317000E-01	2.9936000E-01
2.4359000E+03	2.2701000E-01	7.9311000E-01	1.8004000E-01	2.9425000E-01
2.4360000E+03	2.2310000E-01	7.9311000E-01	1.7695000E-01	2.8919000E-01
2.4361000E+03	2.1924000E-01	7.9311000E-01	1.7388000E-01	2.8419000E-01
2.4362000E+03	2.1542000E-01	7.9312000E-01	1.7085000E-01	2.7923000E-01
2.4363000E+03	2.1163000E-01	7.9313000E-01	1.6785000E-01	2.7432000E-01
2.4364000E+03	2.0788000E-01	7.9314000E-01	1.6488000E-01	2.6947000E-01
2.4365000E+03	2.0417000E-01	7.9315000E-01	1.6194000E-01	2.6466000E-01
2.4366000E+03	2.0050000E-01	7.9316000E-01	1.5903000E-01	2.5991000E-01
2.4367000E+03	1.9687000E-01	7.9316000E-01	1.5615000E-01	2.5520000E-01
2.4368000E+03	1.9328000E-01	7.9317000E-01	1.5330000E-01	2.5055000E-01
2.4369000E+03	1.8973000E-01	7.9318000E-01	1.5049000E-01	2.4595000E-01
2.4370000E+03	1.8622000E-01	7.9319000E-01	1.4771000E-01	2.4141000E-01
2.4371000E+03	1.8275000E-01	7.9320000E-01	1.4496000E-01	2.3692000E-01

2.4372000E+03	1.7933000E-01	7.9320000E-01	1.4224000E-01	2.3248000E-01
2.4373000E+03	1.7595000E-01	7.9321000E-01	1.3956000E-01	2.2809000E-01
2.4374000E+03	1.7260000E-01	7.9321000E-01	1.3691000E-01	2.2376000E-01
2.4375000E+03	1.6930000E-01	7.9322000E-01	1.3429000E-01	2.1949000E-01
2.4376000E+03	1.6605000E-01	7.9322000E-01	1.3171000E-01	2.1526000E-01
2.4377000E+03	1.6283000E-01	7.9323000E-01	1.2916000E-01	2.1110000E-01
2.4378000E+03	1.5966000E-01	7.9323000E-01	1.2665000E-01	2.0698000E-01
2.4379000E+03	1.5653000E-01	7.9324000E-01	1.2416000E-01	2.0293000E-01
2.4380000E+03	1.5344000E-01	7.9324000E-01	1.2172000E-01	1.9893000E-01
2.4381000E+03	1.5040000E-01	7.9323000E-01	1.1930000E-01	1.9498000E-01
2.4382000E+03	1.4739000E-01	7.9322000E-01	1.1691000E-01	1.9108000E-01
2.4383000E+03	1.4443000E-01	7.9320000E-01	1.1457000E-01	1.8724000E-01
2.4384000E+03	1.4152000E-01	7.9319000E-01	1.1225000E-01	1.8346000E-01
2.4385000E+03	1.3864000E-01	7.9318000E-01	1.0997000E-01	1.7973000E-01
2.4386000E+03	1.3581000E-01	7.9317000E-01	1.0772000E-01	1.7606000E-01
2.4387000E+03	1.3302000E-01	7.9315000E-01	1.0551000E-01	1.7244000E-01
2.4388000E+03	1.3028000E-01	7.9314000E-01	1.0333000E-01	1.6888000E-01
2.4389000E+03	1.2757000E-01	7.9313000E-01	1.0118000E-01	1.6537000E-01
2.4390000E+03	1.2491000E-01	7.9312000E-01	9.9071000E-02	1.6192000E-01
2.4391000E+03	1.2229000E-01	7.9310000E-01	9.6992000E-02	1.5852000E-01
2.4392000E+03	1.1972000E-01	7.9309000E-01	9.4948000E-02	1.5518000E-01
2.4393000E+03	1.1718000E-01	7.9307000E-01	9.2936000E-02	1.5189000E-01
2.4394000E+03	1.1469000E-01	7.9306000E-01	9.0958000E-02	1.4866000E-01
2.4395000E+03	1.1224000E-01	7.9305000E-01	8.9013000E-02	1.4548000E-01
2.4396000E+03	1.0983000E-01	7.9303000E-01	8.7101000E-02	1.4235000E-01
2.4397000E+03	1.0746000E-01	7.9302000E-01	8.5221000E-02	1.3928000E-01
2.4398000E+03	1.0514000E-01	7.9301000E-01	8.3375000E-02	1.3626000E-01
2.4399000E+03	1.0285000E-01	7.9299000E-01	8.1561000E-02	1.3330000E-01
2.4400000E+03	1.0061000E-01	7.9298000E-01	7.9779000E-02	1.3039000E-01
2.4401000E+03	9.8402000E-02	7.9295000E-01	7.8027000E-02	1.2752000E-01
2.4402000E+03	9.6237000E-02	7.9291000E-01	7.6307000E-02	1.2471000E-01
2.4403000E+03	9.4112000E-02	7.9288000E-01	7.4619000E-02	1.2195000E-01
2.4404000E+03	9.2026000E-02	7.9285000E-01	7.2962000E-02	1.1925000E-01
2.4405000E+03	8.9979000E-02	7.9281000E-01	7.1337000E-02	1.1659000E-01
2.4406000E+03	8.7972000E-02	7.9278000E-01	6.9742000E-02	1.1398000E-01
2.4407000E+03	8.6003000E-02	7.9275000E-01	6.8179000E-02	1.1143000E-01
2.4408000E+03	8.4072000E-02	7.9271000E-01	6.6645000E-02	1.0892000E-01
2.4409000E+03	8.2179000E-02	7.9268000E-01	6.5142000E-02	1.0646000E-01
2.4410000E+03	8.0324000E-02	7.9265000E-01	6.3668000E-02	1.0406000E-01
2.4411000E+03	7.8505000E-02	7.9261000E-01	6.2224000E-02	1.0170000E-01
2.4412000E+03	7.6723000E-02	7.9257000E-01	6.0809000E-02	9.9383000E-02
2.4413000E+03	7.4978000E-02	7.9254000E-01	5.9423000E-02	9.7118000E-02
2.4414000E+03	7.3268000E-02	7.9250000E-01	5.8065000E-02	9.4899000E-02

2.4415000E+03	7.1594000E-02	7.9246000E-01	5.6735000E-02	9.2726000E-02
2.4416000E+03	6.9955000E-02	7.9243000E-01	5.5434000E-02	9.0599000E-02
2.4417000E+03	6.8350000E-02	7.9239000E-01	5.4160000E-02	8.8517000E-02
2.4418000E+03	6.6780000E-02	7.9235000E-01	5.2913000E-02	8.6479000E-02
2.4419000E+03	6.5243000E-02	7.9232000E-01	5.1693000E-02	8.4485000E-02
2.4420000E+03	6.3739000E-02	7.9228000E-01	5.0499000E-02	8.2534000E-02
2.4421000E+03	6.2268000E-02	7.9226000E-01	4.9333000E-02	8.0628000E-02
2.4422000E+03	6.0830000E-02	7.9225000E-01	4.8192000E-02	7.8763000E-02
2.4423000E+03	5.9423000E-02	7.9223000E-01	4.7077000E-02	7.6940000E-02
2.4424000E+03	5.8047000E-02	7.9222000E-01	4.5986000E-02	7.5158000E-02
2.4425000E+03	5.6703000E-02	7.9220000E-01	4.4920000E-02	7.3415000E-02
2.4426000E+03	5.5388000E-02	7.9218000E-01	4.3878000E-02	7.1712000E-02
2.4427000E+03	5.4104000E-02	7.9217000E-01	4.2859000E-02	7.0047000E-02
2.4428000E+03	5.2848000E-02	7.9215000E-01	4.1864000E-02	6.8420000E-02
2.4429000E+03	5.1622000E-02	7.9214000E-01	4.0891000E-02	6.6831000E-02
2.4430000E+03	5.0423000E-02	7.9212000E-01	3.9941000E-02	6.5278000E-02
2.4431000E+03	4.9252000E-02	7.9210000E-01	3.9013000E-02	6.3760000E-02
2.4432000E+03	4.8108000E-02	7.9208000E-01	3.8106000E-02	6.2278000E-02
2.4433000E+03	4.7122000E-02	7.9206000E-01	3.7323000E-02	6.1000000E-02
2.4434000E+03	4.6028000E-02	7.9203000E-01	3.6456000E-02	5.9582000E-02
2.4435000E+03	4.4960000E-02	7.9201000E-01	3.5609000E-02	5.8198000E-02
2.4436000E+03	4.3917000E-02	7.9199000E-01	3.4782000E-02	5.6846000E-02
2.4437000E+03	4.2899000E-02	7.9197000E-01	3.3975000E-02	5.5527000E-02
2.4438000E+03	4.1904000E-02	7.9195000E-01	3.3186000E-02	5.4238000E-02
2.4439000E+03	4.0933000E-02	7.9193000E-01	3.2416000E-02	5.2979000E-02
2.4440000E+03	3.9985000E-02	7.9191000E-01	3.1664000E-02	5.1751000E-02
2.4441000E+03	3.9059000E-02	7.9188000E-01	3.0930000E-02	5.0551000E-02
2.4442000E+03	3.8155000E-02	7.9185000E-01	3.0213000E-02	4.9379000E-02
2.4443000E+03	3.7272000E-02	7.9183000E-01	2.9513000E-02	4.8235000E-02
2.4444000E+03	3.6410000E-02	7.9180000E-01	2.8830000E-02	4.7118000E-02
2.4445000E+03	3.5569000E-02	7.9178000E-01	2.8163000E-02	4.6028000E-02
2.4446000E+03	3.4747000E-02	7.9175000E-01	2.7511000E-02	4.4963000E-02
2.4447000E+03	3.3945000E-02	7.9172000E-01	2.6875000E-02	4.3923000E-02
2.4448000E+03	3.3161000E-02	7.9170000E-01	2.6254000E-02	4.2908000E-02
2.4449000E+03	3.2396000E-02	7.9167000E-01	2.5647000E-02	4.1917000E-02
2.4450000E+03	3.1649000E-02	7.9164000E-01	2.5055000E-02	4.0948000E-02
2.4451000E+03	3.0919000E-02	7.9162000E-01	2.4476000E-02	4.0002000E-02
2.4452000E+03	3.0206000E-02	7.9159000E-01	2.3911000E-02	3.9078000E-02
2.4453000E+03	2.9509000E-02	7.9156000E-01	2.3358000E-02	3.8176000E-02
2.4454000E+03	2.8829000E-02	7.9153000E-01	2.2819000E-02	3.7294000E-02
2.4455000E+03	2.8164000E-02	7.9150000E-01	2.2292000E-02	3.6433000E-02
2.4456000E+03	2.7514000E-02	7.9147000E-01	2.1777000E-02	3.5591000E-02
2.4457000E+03	2.6880000E-02	7.9144000E-01	2.1274000E-02	3.4769000E-02

2.4458000E+03	2.6259000E-02	7.9142000E-01	2.0782000E-02	3.3965000E-02
2.4459000E+03	2.5652000E-02	7.9139000E-01	2.0301000E-02	3.3179000E-02
2.4460000E+03	2.5060000E-02	7.9136000E-01	1.9831000E-02	3.2412000E-02
2.4461000E+03	2.4480000E-02	7.9133000E-01	1.9372000E-02	3.1660000E-02
2.4462000E+03	2.3913000E-02	7.9129000E-01	1.8922000E-02	3.0926000E-02
2.4463000E+03	2.3359000E-02	7.9125000E-01	1.8483000E-02	3.0208000E-02
2.4464000E+03	2.2817000E-02	7.9121000E-01	1.8053000E-02	2.9506000E-02
2.4465000E+03	2.2287000E-02	7.9118000E-01	1.7633000E-02	2.8819000E-02
2.4466000E+03	2.1769000E-02	7.9114000E-01	1.7222000E-02	2.8147000E-02
2.4467000E+03	2.1262000E-02	7.9110000E-01	1.6820000E-02	2.7490000E-02
2.4468000E+03	2.0766000E-02	7.9107000E-01	1.6427000E-02	2.6847000E-02
2.4469000E+03	2.0280000E-02	7.9103000E-01	1.6042000E-02	2.6219000E-02
2.4470000E+03	1.9805000E-02	7.9099000E-01	1.5666000E-02	2.5604000E-02
2.4471000E+03	1.9341000E-02	7.9095000E-01	1.5297000E-02	2.5002000E-02
2.4472000E+03	1.8886000E-02	7.9091000E-01	1.4937000E-02	2.4413000E-02
2.4473000E+03	1.8441000E-02	7.9087000E-01	1.4584000E-02	2.3836000E-02
2.4474000E+03	1.8006000E-02	7.9082000E-01	1.4239000E-02	2.3272000E-02
2.4475000E+03	1.7580000E-02	7.9078000E-01	1.3902000E-02	2.2720000E-02
2.4476000E+03	1.7163000E-02	7.9074000E-01	1.3571000E-02	2.2180000E-02
2.4477000E+03	1.6755000E-02	7.9070000E-01	1.3248000E-02	2.1652000E-02
2.4478000E+03	1.6355000E-02	7.9066000E-01	1.2932000E-02	2.1135000E-02
2.4479000E+03	1.5965000E-02	7.9062000E-01	1.2622000E-02	2.0629000E-02
2.4480000E+03	1.5582000E-02	7.9058000E-01	1.2319000E-02	2.0134000E-02
2.4481000E+03	1.5208000E-02	7.9055000E-01	1.2023000E-02	1.9650000E-02
2.4482000E+03	1.4842000E-02	7.9052000E-01	1.1733000E-02	1.9176000E-02
2.4483000E+03	1.4484000E-02	7.9050000E-01	1.1450000E-02	1.8713000E-02
2.4484000E+03	1.4134000E-02	7.9047000E-01	1.1172000E-02	1.8260000E-02
2.4485000E+03	1.3791000E-02	7.9044000E-01	1.0901000E-02	1.7816000E-02
2.4486000E+03	1.3456000E-02	7.9042000E-01	1.0636000E-02	1.7383000E-02
2.4487000E+03	1.3129000E-02	7.9039000E-01	1.0377000E-02	1.6959000E-02
2.4488000E+03	1.2808000E-02	7.9037000E-01	1.0123000E-02	1.6545000E-02
2.4489000E+03	1.2495000E-02	7.9034000E-01	9.8751000E-03	1.6139000E-02
2.4490000E+03	1.2189000E-02	7.9031000E-01	9.6329000E-03	1.5744000E-02
2.4491000E+03	1.1889000E-02	7.9029000E-01	9.3960000E-03	1.5356000E-02
2.4492000E+03	1.1597000E-02	7.9026000E-01	9.1647000E-03	1.4978000E-02
2.4493000E+03	1.1311000E-02	7.9023000E-01	8.9386000E-03	1.4609000E-02
2.4494000E+03	1.1032000E-02	7.9020000E-01	8.7178000E-03	1.4248000E-02
2.4495000E+03	1.0760000E-02	7.9018000E-01	8.5022000E-03	1.3896000E-02
2.4496000E+03	1.0494000E-02	7.9015000E-01	8.2918000E-03	1.3552000E-02
2.4497000E+03	1.0234000E-02	7.9012000E-01	8.0862000E-03	1.3216000E-02
2.4498000E+03	9.9806000E-03	7.9010000E-01	7.8857000E-03	1.2888000E-02
2.4499000E+03	9.7333000E-03	7.9007000E-01	7.6900000E-03	1.2568000E-02
2.4500000E+03	9.4919000E-03	7.9004000E-01	7.4990000E-03	1.2256000E-02

2.4501000E+03	9.2565000E-03	7.9002000E-01	7.3128000E-03	1.1952000E-02
2.4502000E+03	9.0269000E-03	7.9000000E-01	7.1313000E-03	1.1655000E-02
2.4503000E+03	8.8031000E-03	7.8998000E-01	6.9542000E-03	1.1366000E-02
2.4504000E+03	8.5848000E-03	7.8996000E-01	6.7816000E-03	1.1084000E-02
2.4505000E+03	8.3721000E-03	7.8993000E-01	6.6134000E-03	1.0809000E-02
2.4506000E+03	8.1647000E-03	7.8991000E-01	6.4494000E-03	1.0541000E-02
2.4507000E+03	7.9626000E-03	7.8989000E-01	6.2896000E-03	1.0280000E-02
2.4508000E+03	7.7658000E-03	7.8987000E-01	6.1339000E-03	1.0025000E-02
2.4509000E+03	7.5739000E-03	7.8985000E-01	5.9823000E-03	9.7772000E-03
2.4510000E+03	7.3870000E-03	7.8983000E-01	5.8345000E-03	9.5356000E-03
2.4511000E+03	7.2049000E-03	7.8981000E-01	5.6905000E-03	9.3004000E-03
2.4512000E+03	7.0276000E-03	7.8979000E-01	5.5503000E-03	9.0712000E-03
2.4513000E+03	6.8547000E-03	7.8977000E-01	5.4137000E-03	8.8479000E-03
2.4514000E+03	6.6863000E-03	7.8975000E-01	5.2806000E-03	8.6304000E-03
2.4515000E+03	6.5223000E-03	7.8974000E-01	5.1509000E-03	8.4184000E-03
2.4516000E+03	6.3624000E-03	7.8972000E-01	5.0245000E-03	8.2118000E-03
2.4517000E+03	6.2065000E-03	7.8970000E-01	4.9013000E-03	8.0104000E-03
2.4518000E+03	6.0546000E-03	7.8968000E-01	4.7812000E-03	7.8141000E-03
2.4519000E+03	5.9064000E-03	7.8966000E-01	4.6640000E-03	7.6227000E-03
2.4520000E+03	5.7618000E-03	7.8964000E-01	4.5498000E-03	7.4359000E-03
2.4521000E+03	5.6207000E-03	7.8963000E-01	4.4383000E-03	7.2537000E-03
2.4522000E+03	5.4830000E-03	7.8961000E-01	4.3294000E-03	7.0758000E-03
2.4523000E+03	5.3485000E-03	7.8960000E-01	4.2231000E-03	6.9021000E-03
2.4524000E+03	5.2170000E-03	7.8958000E-01	4.1192000E-03	6.7323000E-03
2.4525000E+03	5.0884000E-03	7.8957000E-01	4.0177000E-03	6.5663000E-03
2.4526000E+03	4.9627000E-03	7.8955000E-01	3.9183000E-03	6.4039000E-03
2.4527000E+03	4.8396000E-03	7.8954000E-01	3.8211000E-03	6.2450000E-03
2.4528000E+03	4.7191000E-03	7.8952000E-01	3.7258000E-03	6.0893000E-03
2.4529000E+03	4.6009000E-03	7.8951000E-01	3.6324000E-03	5.9367000E-03
2.4530000E+03	4.4850000E-03	7.8949000E-01	3.5409000E-03	5.7870000E-03
2.4531000E+03	4.3713000E-03	7.8948000E-01	3.4510000E-03	5.6402000E-03
2.4532000E+03	4.2595000E-03	7.8947000E-01	3.3628000E-03	5.4960000E-03
2.4533000E+03	4.1497000E-03	7.8946000E-01	3.2761000E-03	5.3543000E-03
2.4534000E+03	4.0417000E-03	7.8945000E-01	3.1908000E-03	5.2149000E-03
2.4535000E+03	3.9355000E-03	7.8944000E-01	3.1068000E-03	5.0777000E-03
2.4536000E+03	3.8308000E-03	7.8943000E-01	3.0242000E-03	4.9426000E-03
2.4537000E+03	3.7277000E-03	7.8942000E-01	2.9427000E-03	4.8094000E-03
2.4538000E+03	3.6260000E-03	7.8941000E-01	2.8624000E-03	4.6781000E-03
2.4539000E+03	3.5256000E-03	7.8940000E-01	2.7831000E-03	4.5486000E-03
2.4540000E+03	3.4266000E-03	7.8939000E-01	2.7049000E-03	4.4208000E-03
2.4541000E+03	3.3288000E-03	7.8939000E-01	2.6277000E-03	4.2946000E-03
2.4542000E+03	3.2322000E-03	7.8939000E-01	2.5514000E-03	4.1700000E-03
2.4543000E+03	3.1367000E-03	7.8939000E-01	2.4761000E-03	4.0468000E-03

2.4544000E+03	3.0423000E-03	7.8939000E-01	2.4016000E-03	3.9250000E-03
2.4545000E+03	2.9490000E-03	7.8939000E-01	2.3279000E-03	3.8046000E-03
2.4546000E+03	2.8567000E-03	7.8939000E-01	2.2551000E-03	3.6856000E-03
2.4547000E+03	2.7655000E-03	7.8939000E-01	2.1831000E-03	3.5679000E-03
2.4548000E+03	2.6753000E-03	7.8939000E-01	2.1118000E-03	3.4515000E-03
2.4549000E+03	2.5861000E-03	7.8939000E-01	2.0414000E-03	3.3364000E-03
2.4550000E+03	2.4979000E-03	7.8939000E-01	1.9718000E-03	3.2226000E-03
2.4551000E+03	2.4107000E-03	7.8940000E-01	1.9030000E-03	3.1102000E-03
2.4552000E+03	2.3246000E-03	7.8940000E-01	1.8351000E-03	2.9992000E-03
2.4553000E+03	2.2396000E-03	7.8941000E-01	1.7680000E-03	2.8895000E-03
2.4554000E+03	2.1557000E-03	7.8941000E-01	1.7017000E-03	2.7812000E-03
2.4555000E+03	2.0729000E-03	7.8942000E-01	1.6364000E-03	2.6744000E-03
2.4556000E+03	1.9912000E-03	7.8942000E-01	1.5719000E-03	2.5691000E-03
2.4557000E+03	1.9108000E-03	7.8943000E-01	1.5084000E-03	2.4653000E-03
2.4558000E+03	1.8316000E-03	7.8943000E-01	1.4460000E-03	2.3632000E-03
2.4559000E+03	1.7538000E-03	7.8944000E-01	1.3845000E-03	2.2627000E-03
2.4560000E+03	1.6772000E-03	7.8944000E-01	1.3241000E-03	2.1640000E-03
2.4561000E+03	1.6021000E-03	7.8944000E-01	1.2648000E-03	2.0671000E-03
2.4562000E+03	1.5284000E-03	7.8943000E-01	1.2066000E-03	1.9720000E-03
2.4563000E+03	1.4562000E-03	7.8941000E-01	1.1496000E-03	1.8788000E-03
2.4564000E+03	1.3856000E-03	7.8940000E-01	1.0938000E-03	1.7877000E-03
2.4565000E+03	1.3166000E-03	7.8939000E-01	1.0393000E-03	1.6986000E-03
2.4566000E+03	1.2493000E-03	7.8937000E-01	9.8612000E-04	1.6117000E-03
2.4567000E+03	1.1836000E-03	7.8936000E-01	9.3428000E-04	1.5270000E-03
2.4568000E+03	1.1197000E-03	7.8934000E-01	8.8384000E-04	1.4445000E-03
2.4569000E+03	1.0576000E-03	7.8933000E-01	8.3483000E-04	1.3644000E-03
2.4570000E+03	9.9741000E-04	7.8931000E-01	7.8727000E-04	1.2867000E-03
2.4571000E+03	9.3907000E-04	7.8930000E-01	7.4121000E-04	1.2114000E-03
2.4572000E+03	8.8266000E-04	7.8929000E-01	6.9667000E-04	1.1386000E-03
2.4573000E+03	8.2822000E-04	7.8927000E-01	6.5369000E-04	1.0684000E-03
2.4574000E+03	7.7576000E-04	7.8926000E-01	6.1227000E-04	1.0007000E-03
2.4575000E+03	7.2532000E-04	7.8924000E-01	5.7246000E-04	9.3560000E-04
2.4576000E+03	0.0000000E+00	7.8923000E-01	0.0000000E+00	0.0000000E+00
Channel 18				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.4607000E+03	0.0000000E+00	7.8925000E-01	0.0000000E+00	0.0000000E+00
2.4608000E+03	3.9459000E-03	7.8925000E-01	3.1143000E-03	5.6654000E-03
2.4609000E+03	3.9470000E-03	7.8924000E-01	3.1151000E-03	5.6667000E-03
2.4610000E+03	3.9489000E-03	7.8923000E-01	3.1166000E-03	5.6694000E-03
2.4611000E+03	3.9518000E-03	7.8922000E-01	3.1189000E-03	5.6736000E-03

2.4612000E+03	3.9558000E-03	7.8920000E-01	3.1219000E-03	5.6792000E-03
2.4613000E+03	3.9609000E-03	7.8919000E-01	3.1259000E-03	5.6864000E-03
2.4614000E+03	3.9670000E-03	7.8918000E-01	3.1307000E-03	5.6951000E-03
2.4615000E+03	3.9743000E-03	7.8916000E-01	3.1364000E-03	5.7054000E-03
2.4616000E+03	3.9827000E-03	7.8915000E-01	3.1429000E-03	5.7174000E-03
2.4617000E+03	3.9923000E-03	7.8914000E-01	3.1504000E-03	5.7310000E-03
2.4618000E+03	4.0031000E-03	7.8912000E-01	3.1589000E-03	5.7464000E-03
2.4619000E+03	4.0151000E-03	7.8911000E-01	3.1683000E-03	5.7636000E-03
2.4620000E+03	4.0283000E-03	7.8910000E-01	3.1787000E-03	5.7825000E-03
2.4621000E+03	4.0428000E-03	7.8908000E-01	3.1901000E-03	5.8032000E-03
2.4622000E+03	4.0586000E-03	7.8906000E-01	3.2025000E-03	5.8257000E-03
2.4623000E+03	4.0757000E-03	7.8904000E-01	3.2159000E-03	5.8500000E-03
2.4624000E+03	4.0940000E-03	7.8902000E-01	3.2303000E-03	5.8763000E-03
2.4625000E+03	4.1137000E-03	7.8900000E-01	3.2457000E-03	5.9044000E-03
2.4626000E+03	4.1347000E-03	7.8899000E-01	3.2622000E-03	5.9344000E-03
2.4627000E+03	4.1571000E-03	7.8897000E-01	3.2798000E-03	5.9663000E-03
2.4628000E+03	4.1807000E-03	7.8895000E-01	3.2984000E-03	6.0002000E-03
2.4629000E+03	4.2058000E-03	7.8893000E-01	3.3181000E-03	6.0359000E-03
2.4630000E+03	4.2321000E-03	7.8891000E-01	3.3388000E-03	6.0736000E-03
2.4631000E+03	4.2598000E-03	7.8889000E-01	3.3605000E-03	6.1132000E-03
2.4632000E+03	4.2889000E-03	7.8887000E-01	3.3833000E-03	6.1547000E-03
2.4633000E+03	4.3192000E-03	7.8885000E-01	3.4072000E-03	6.1981000E-03
2.4634000E+03	4.3509000E-03	7.8882000E-01	3.4321000E-03	6.2434000E-03
2.4635000E+03	4.3840000E-03	7.8880000E-01	3.4581000E-03	6.2907000E-03
2.4636000E+03	4.4183000E-03	7.8878000E-01	3.4850000E-03	6.3397000E-03
2.4637000E+03	4.4539000E-03	7.8875000E-01	3.5131000E-03	6.3907000E-03
2.4638000E+03	4.4908000E-03	7.8873000E-01	3.5421000E-03	6.4434000E-03
2.4639000E+03	4.5290000E-03	7.8871000E-01	3.5721000E-03	6.4980000E-03
2.4640000E+03	4.5684000E-03	7.8869000E-01	3.6031000E-03	6.5544000E-03
2.4641000E+03	4.6091000E-03	7.8866000E-01	3.6350000E-03	6.6124000E-03
2.4642000E+03	4.6509000E-03	7.8863000E-01	3.6678000E-03	6.6722000E-03
2.4643000E+03	4.6939000E-03	7.8860000E-01	3.7016000E-03	6.7337000E-03
2.4644000E+03	4.7381000E-03	7.8857000E-01	3.7363000E-03	6.7968000E-03
2.4645000E+03	4.7834000E-03	7.8854000E-01	3.7719000E-03	6.8615000E-03
2.4646000E+03	4.8298000E-03	7.8852000E-01	3.8084000E-03	6.9279000E-03
2.4647000E+03	4.8772000E-03	7.8849000E-01	3.8456000E-03	6.9957000E-03
2.4648000E+03	4.9257000E-03	7.8846000E-01	3.8837000E-03	7.0649000E-03
2.4649000E+03	4.9751000E-03	7.8843000E-01	3.9226000E-03	7.1356000E-03
2.4650000E+03	5.0256000E-03	7.8840000E-01	3.9622000E-03	7.2077000E-03
2.4651000E+03	5.0769000E-03	7.8837000E-01	4.0025000E-03	7.2811000E-03
2.4652000E+03	5.1292000E-03	7.8834000E-01	4.0436000E-03	7.3557000E-03
2.4653000E+03	5.1822000E-03	7.8832000E-01	4.0852000E-03	7.4315000E-03
2.4654000E+03	5.2361000E-03	7.8829000E-01	4.1276000E-03	7.5085000E-03

2.4655000E+03	5.2908000E-03	7.8826000E-01	4.1705000E-03	7.5866000E-03
2.4656000E+03	5.3461000E-03	7.8823000E-01	4.2139000E-03	7.6657000E-03
2.4657000E+03	5.4021000E-03	7.8820000E-01	4.2580000E-03	7.7457000E-03
2.4658000E+03	5.4588000E-03	7.8817000E-01	4.3024000E-03	7.8267000E-03
2.4659000E+03	5.5160000E-03	7.8814000E-01	4.3474000E-03	7.9085000E-03
2.4660000E+03	5.5738000E-03	7.8811000E-01	4.3928000E-03	7.9910000E-03
2.4661000E+03	5.6320000E-03	7.8809000E-01	4.4386000E-03	8.0743000E-03
2.4662000E+03	5.6907000E-03	7.8807000E-01	4.4847000E-03	8.1582000E-03
2.4663000E+03	5.7498000E-03	7.8805000E-01	4.5311000E-03	8.2427000E-03
2.4664000E+03	5.8092000E-03	7.8803000E-01	4.5778000E-03	8.3276000E-03
2.4665000E+03	5.8690000E-03	7.8800000E-01	4.6248000E-03	8.4130000E-03
2.4666000E+03	5.9290000E-03	7.8798000E-01	4.6719000E-03	8.4988000E-03
2.4667000E+03	5.9891000E-03	7.8796000E-01	4.7192000E-03	8.5848000E-03
2.4668000E+03	6.0495000E-03	7.8794000E-01	4.7666000E-03	8.6710000E-03
2.4669000E+03	6.1099000E-03	7.8792000E-01	4.8141000E-03	8.7574000E-03
2.4670000E+03	6.1704000E-03	7.8789000E-01	4.8616000E-03	8.8439000E-03
2.4671000E+03	6.2309000E-03	7.8788000E-01	4.9092000E-03	8.9305000E-03
2.4672000E+03	6.2914000E-03	7.8786000E-01	4.9568000E-03	9.0169000E-03
2.4673000E+03	6.3518000E-03	7.8784000E-01	5.0042000E-03	9.1033000E-03
2.4674000E+03	6.4121000E-03	7.8783000E-01	5.0516000E-03	9.1895000E-03
2.4675000E+03	6.4722000E-03	7.8781000E-01	5.0989000E-03	9.2755000E-03
2.4676000E+03	6.5321000E-03	7.8780000E-01	5.1460000E-03	9.3611000E-03
2.4677000E+03	6.5918000E-03	7.8778000E-01	5.1929000E-03	9.4465000E-03
2.4678000E+03	6.6512000E-03	7.8776000E-01	5.2395000E-03	9.5313000E-03
2.4679000E+03	6.7102000E-03	7.8775000E-01	5.2859000E-03	9.6157000E-03
2.4680000E+03	6.7689000E-03	7.8773000E-01	5.3320000E-03	9.6996000E-03
2.4681000E+03	6.8271000E-03	7.8770000E-01	5.3777000E-03	9.7828000E-03
2.4682000E+03	6.8850000E-03	7.8768000E-01	5.4231000E-03	9.8653000E-03
2.4683000E+03	6.9423000E-03	7.8765000E-01	5.4681000E-03	9.9472000E-03
2.4684000E+03	6.9992000E-03	7.8763000E-01	5.5127000E-03	1.0028000E-02
2.4685000E+03	7.0555000E-03	7.8760000E-01	5.5569000E-03	1.0109000E-02
2.4686000E+03	7.1113000E-03	7.8757000E-01	5.6007000E-03	1.0188000E-02
2.4687000E+03	7.1665000E-03	7.8755000E-01	5.6439000E-03	1.0267000E-02
2.4688000E+03	7.2211000E-03	7.8752000E-01	5.6867000E-03	1.0345000E-02
2.4689000E+03	7.2750000E-03	7.8749000E-01	5.7290000E-03	1.0422000E-02
2.4690000E+03	7.3283000E-03	7.8747000E-01	5.7708000E-03	1.0498000E-02
2.4691000E+03	7.3810000E-03	7.8744000E-01	5.8121000E-03	1.0573000E-02
2.4692000E+03	7.4330000E-03	7.8741000E-01	5.8528000E-03	1.0647000E-02
2.4693000E+03	7.4843000E-03	7.8739000E-01	5.8930000E-03	1.0720000E-02
2.4694000E+03	7.5348000E-03	7.8736000E-01	5.9326000E-03	1.0792000E-02
2.4695000E+03	7.5848000E-03	7.8733000E-01	5.9717000E-03	1.0863000E-02
2.4696000E+03	7.6339000E-03	7.8730000E-01	6.0102000E-03	1.0933000E-02
2.4697000E+03	7.6824000E-03	7.8727000E-01	6.0482000E-03	1.1002000E-02

2.4698000E+03	7.7302000E-03	7.8725000E-01	6.0856000E-03	1.1070000E-02
2.4699000E+03	7.7773000E-03	7.8722000E-01	6.1224000E-03	1.1137000E-02
2.4700000E+03	7.8237000E-03	7.8719000E-01	6.1587000E-03	1.1203000E-02
2.4701000E+03	7.8693000E-03	7.8716000E-01	6.1944000E-03	1.1268000E-02
2.4702000E+03	7.9144000E-03	7.8712000E-01	6.2296000E-03	1.1332000E-02
2.4703000E+03	7.9588000E-03	7.8709000E-01	6.2643000E-03	1.1395000E-02
2.4704000E+03	8.0025000E-03	7.8706000E-01	6.2984000E-03	1.1458000E-02
2.4705000E+03	8.0456000E-03	7.8703000E-01	6.3321000E-03	1.1519000E-02
2.4706000E+03	8.0881000E-03	7.8699000E-01	6.3653000E-03	1.1579000E-02
2.4707000E+03	8.1300000E-03	7.8696000E-01	6.3980000E-03	1.1639000E-02
2.4708000E+03	8.1715000E-03	7.8692000E-01	6.4303000E-03	1.1698000E-02
2.4709000E+03	8.2124000E-03	7.8689000E-01	6.4622000E-03	1.1756000E-02
2.4710000E+03	8.2528000E-03	7.8686000E-01	6.4938000E-03	1.1813000E-02
2.4711000E+03	8.2928000E-03	7.8682000E-01	6.5249000E-03	1.1870000E-02
2.4712000E+03	8.3324000E-03	7.8679000E-01	6.5558000E-03	1.1926000E-02
2.4713000E+03	8.3717000E-03	7.8675000E-01	6.5864000E-03	1.1981000E-02
2.4714000E+03	8.4106000E-03	7.8671000E-01	6.6167000E-03	1.2037000E-02
2.4715000E+03	8.4493000E-03	7.8668000E-01	6.6469000E-03	1.2091000E-02
2.4716000E+03	8.4878000E-03	7.8664000E-01	6.6769000E-03	1.2146000E-02
2.4717000E+03	8.5262000E-03	7.8661000E-01	6.7067000E-03	1.2200000E-02
2.4718000E+03	8.5644000E-03	7.8657000E-01	6.7365000E-03	1.2255000E-02
2.4719000E+03	8.6026000E-03	7.8653000E-01	6.7663000E-03	1.2309000E-02
2.4720000E+03	8.6409000E-03	7.8650000E-01	6.7960000E-03	1.2363000E-02
2.4721000E+03	8.6792000E-03	7.8647000E-01	6.8260000E-03	1.2417000E-02
2.4722000E+03	8.7177000E-03	7.8645000E-01	6.8560000E-03	1.2472000E-02
2.4723000E+03	8.7564000E-03	7.8642000E-01	6.8862000E-03	1.2527000E-02
2.4724000E+03	8.7954000E-03	7.8639000E-01	6.9167000E-03	1.2582000E-02
2.4725000E+03	8.8348000E-03	7.8637000E-01	6.9474000E-03	1.2638000E-02
2.4726000E+03	8.8746000E-03	7.8634000E-01	6.9785000E-03	1.2695000E-02
2.4727000E+03	8.9150000E-03	7.8631000E-01	7.0099000E-03	1.2752000E-02
2.4728000E+03	8.9559000E-03	7.8629000E-01	7.0419000E-03	1.2810000E-02
2.4729000E+03	8.9975000E-03	7.8626000E-01	7.0744000E-03	1.2869000E-02
2.4730000E+03	9.0398000E-03	7.8623000E-01	7.1074000E-03	1.2929000E-02
2.4731000E+03	9.0830000E-03	7.8621000E-01	7.1412000E-03	1.2991000E-02
2.4732000E+03	9.1271000E-03	7.8619000E-01	7.1756000E-03	1.3053000E-02
2.4733000E+03	9.1722000E-03	7.8616000E-01	7.2109000E-03	1.3117000E-02
2.4734000E+03	9.2184000E-03	7.8614000E-01	7.2470000E-03	1.3183000E-02
2.4735000E+03	9.2657000E-03	7.8612000E-01	7.2840000E-03	1.3250000E-02
2.4736000E+03	9.3144000E-03	7.8610000E-01	7.3220000E-03	1.3320000E-02
2.4737000E+03	9.3643000E-03	7.8607000E-01	7.3611000E-03	1.3391000E-02
2.4738000E+03	9.4157000E-03	7.8605000E-01	7.4012000E-03	1.3464000E-02
2.4739000E+03	9.4687000E-03	7.8603000E-01	7.4426000E-03	1.3539000E-02
2.4740000E+03	9.5232000E-03	7.8601000E-01	7.4853000E-03	1.3617000E-02

2.4741000E+03	9.5794000E-03	7.8597000E-01	7.5292000E-03	1.3696000E-02
2.4742000E+03	9.6374000E-03	7.8594000E-01	7.5745000E-03	1.3779000E-02
2.4743000E+03	9.6973000E-03	7.8591000E-01	7.6212000E-03	1.3864000E-02
2.4744000E+03	9.7592000E-03	7.8588000E-01	7.6696000E-03	1.3952000E-02
2.4745000E+03	9.8231000E-03	7.8585000E-01	7.7195000E-03	1.4043000E-02
2.4746000E+03	9.8892000E-03	7.8581000E-01	7.7711000E-03	1.4137000E-02
2.4747000E+03	9.9575000E-03	7.8578000E-01	7.8245000E-03	1.4234000E-02
2.4748000E+03	1.0028000E-02	7.8575000E-01	7.8797000E-03	1.4334000E-02
2.4749000E+03	1.0101000E-02	7.8572000E-01	7.9367000E-03	1.4438000E-02
2.4750000E+03	1.0177000E-02	7.8569000E-01	7.9958000E-03	1.4545000E-02
2.4751000E+03	1.0255000E-02	7.8566000E-01	8.0569000E-03	1.4656000E-02
2.4752000E+03	1.0336000E-02	7.8563000E-01	8.1201000E-03	1.4771000E-02
2.4753000E+03	1.0419000E-02	7.8561000E-01	8.1854000E-03	1.4890000E-02
2.4754000E+03	1.0506000E-02	7.8558000E-01	8.2529000E-03	1.5013000E-02
2.4755000E+03	1.0595000E-02	7.8555000E-01	8.3228000E-03	1.5140000E-02
2.4756000E+03	1.0687000E-02	7.8553000E-01	8.3950000E-03	1.5272000E-02
2.4757000E+03	1.0782000E-02	7.8550000E-01	8.4696000E-03	1.5407000E-02
2.4758000E+03	1.0881000E-02	7.8547000E-01	8.5466000E-03	1.5547000E-02
2.4759000E+03	1.0983000E-02	7.8544000E-01	8.6261000E-03	1.5692000E-02
2.4760000E+03	1.1087000E-02	7.8542000E-01	8.7083000E-03	1.5841000E-02
2.4761000E+03	1.1196000E-02	7.8540000E-01	8.7932000E-03	1.5996000E-02
2.4762000E+03	1.1308000E-02	7.8538000E-01	8.8808000E-03	1.6155000E-02
2.4763000E+03	1.1423000E-02	7.8536000E-01	8.9711000E-03	1.6319000E-02
2.4764000E+03	1.1542000E-02	7.8535000E-01	9.0642000E-03	1.6489000E-02
2.4765000E+03	1.1664000E-02	7.8533000E-01	9.1601000E-03	1.6663000E-02
2.4766000E+03	1.1790000E-02	7.8531000E-01	9.2590000E-03	1.6843000E-02
2.4767000E+03	1.1920000E-02	7.8529000E-01	9.3608000E-03	1.7028000E-02
2.4768000E+03	1.2054000E-02	7.8527000E-01	9.4655000E-03	1.7219000E-02
2.4769000E+03	1.2191000E-02	7.8526000E-01	9.5733000E-03	1.7415000E-02
2.4770000E+03	1.2333000E-02	7.8524000E-01	9.6841000E-03	1.7617000E-02
2.4771000E+03	1.2478000E-02	7.8522000E-01	9.7981000E-03	1.7824000E-02
2.4772000E+03	1.2628000E-02	7.8521000E-01	9.9153000E-03	1.8037000E-02
2.4773000E+03	1.2781000E-02	7.8520000E-01	1.0036000E-02	1.8256000E-02
2.4774000E+03	1.2939000E-02	7.8518000E-01	1.0159000E-02	1.8481000E-02
2.4775000E+03	1.3100000E-02	7.8517000E-01	1.0286000E-02	1.8712000E-02
2.4776000E+03	1.3266000E-02	7.8515000E-01	1.0416000E-02	1.8948000E-02
2.4777000E+03	1.3436000E-02	7.8514000E-01	1.0550000E-02	1.9191000E-02
2.4778000E+03	1.3611000E-02	7.8512000E-01	1.0686000E-02	1.9440000E-02
2.4779000E+03	1.3790000E-02	7.8511000E-01	1.0826000E-02	1.9694000E-02
2.4780000E+03	1.3973000E-02	7.8509000E-01	1.0970000E-02	1.9956000E-02
2.4781000E+03	1.4160000E-02	7.8512000E-01	1.1117000E-02	2.0224000E-02
2.4782000E+03	1.4352000E-02	7.8514000E-01	1.1268000E-02	2.0499000E-02
2.4783000E+03	1.4548000E-02	7.8517000E-01	1.1423000E-02	2.0780000E-02

2.4784000E+03	1.4749000E-02	7.8519000E-01	1.1581000E-02	2.1067000E-02
2.4785000E+03	1.4954000E-02	7.8521000E-01	1.1742000E-02	2.1361000E-02
2.4786000E+03	1.5164000E-02	7.8524000E-01	1.1907000E-02	2.1661000E-02
2.4787000E+03	1.5378000E-02	7.8526000E-01	1.2076000E-02	2.1968000E-02
2.4788000E+03	1.5597000E-02	7.8528000E-01	1.2248000E-02	2.2281000E-02
2.4789000E+03	1.5821000E-02	7.8531000E-01	1.2424000E-02	2.2601000E-02
2.4790000E+03	1.6049000E-02	7.8533000E-01	1.2604000E-02	2.2928000E-02
2.4791000E+03	1.6282000E-02	7.8535000E-01	1.2787000E-02	2.3261000E-02
2.4792000E+03	1.6519000E-02	7.8538000E-01	1.2974000E-02	2.3601000E-02
2.4793000E+03	1.6761000E-02	7.8540000E-01	1.3164000E-02	2.3947000E-02
2.4794000E+03	1.7008000E-02	7.8542000E-01	1.3358000E-02	2.4300000E-02
2.4795000E+03	1.7259000E-02	7.8545000E-01	1.3556000E-02	2.4660000E-02
2.4796000E+03	1.7515000E-02	7.8547000E-01	1.3758000E-02	2.5027000E-02
2.4797000E+03	1.7776000E-02	7.8549000E-01	1.3963000E-02	2.5400000E-02
2.4798000E+03	1.8042000E-02	7.8551000E-01	1.4172000E-02	2.5781000E-02
2.4799000E+03	1.8312000E-02	7.8554000E-01	1.4385000E-02	2.6168000E-02
2.4800000E+03	1.8588000E-02	7.8556000E-01	1.4602000E-02	2.6562000E-02
2.4801000E+03	1.8868000E-02	7.8555000E-01	1.4822000E-02	2.6962000E-02
2.4802000E+03	1.9153000E-02	7.8554000E-01	1.5045000E-02	2.7369000E-02
2.4803000E+03	1.9443000E-02	7.8552000E-01	1.5273000E-02	2.7783000E-02
2.4804000E+03	1.9738000E-02	7.8551000E-01	1.5504000E-02	2.8204000E-02
2.4805000E+03	2.0038000E-02	7.8550000E-01	1.5740000E-02	2.8632000E-02
2.4806000E+03	2.0343000E-02	7.8549000E-01	1.5979000E-02	2.9067000E-02
2.4807000E+03	2.0652000E-02	7.8547000E-01	1.6222000E-02	2.9509000E-02
2.4808000E+03	2.0967000E-02	7.8544000E-01	1.6469000E-02	2.9958000E-02
2.4809000E+03	2.1287000E-02	7.8541000E-01	1.6719000E-02	3.0414000E-02
2.4810000E+03	2.1612000E-02	7.8539000E-01	1.6974000E-02	3.0878000E-02
2.4811000E+03	2.1943000E-02	7.8536000E-01	1.7233000E-02	3.1349000E-02
2.4812000E+03	2.2278000E-02	7.8534000E-01	1.7496000E-02	3.1827000E-02
2.4813000E+03	2.2619000E-02	7.8532000E-01	1.7763000E-02	3.2313000E-02
2.4814000E+03	2.2965000E-02	7.8529000E-01	1.8034000E-02	3.2807000E-02
2.4815000E+03	2.3317000E-02	7.8527000E-01	1.8310000E-02	3.3308000E-02
2.4816000E+03	2.3674000E-02	7.8525000E-01	1.8590000E-02	3.3817000E-02
2.4817000E+03	2.4036000E-02	7.8522000E-01	1.8874000E-02	3.4333000E-02
2.4818000E+03	2.4404000E-02	7.8520000E-01	1.9162000E-02	3.4858000E-02
2.4819000E+03	2.4778000E-02	7.8518000E-01	1.9455000E-02	3.5391000E-02
2.4820000E+03	2.5157000E-02	7.8516000E-01	1.9752000E-02	3.5932000E-02
2.4821000E+03	2.5542000E-02	7.8509000E-01	2.0053000E-02	3.6479000E-02
2.4822000E+03	2.5933000E-02	7.8503000E-01	2.0358000E-02	3.7035000E-02
2.4823000E+03	2.6330000E-02	7.8497000E-01	2.0669000E-02	3.7599000E-02
2.4824000E+03	2.6733000E-02	7.8491000E-01	2.0983000E-02	3.8171000E-02
2.4825000E+03	2.7143000E-02	7.8485000E-01	2.1303000E-02	3.8753000E-02
2.4826000E+03	2.7558000E-02	7.8479000E-01	2.1627000E-02	3.9343000E-02

2.4827000E+03	2.7980000E-02	7.8473000E-01	2.1957000E-02	3.9942000E-02
2.4828000E+03	2.8408000E-02	7.8467000E-01	2.2291000E-02	4.0550000E-02
2.4829000E+03	2.8843000E-02	7.8461000E-01	2.2631000E-02	4.1168000E-02
2.4830000E+03	2.9285000E-02	7.8455000E-01	2.2976000E-02	4.1796000E-02
2.4831000E+03	2.9734000E-02	7.8449000E-01	2.3326000E-02	4.2433000E-02
2.4832000E+03	3.0190000E-02	7.8443000E-01	2.3682000E-02	4.3080000E-02
2.4833000E+03	3.0653000E-02	7.8437000E-01	2.4043000E-02	4.3737000E-02
2.4834000E+03	3.1123000E-02	7.8431000E-01	2.4410000E-02	4.4404000E-02
2.4835000E+03	3.1600000E-02	7.8425000E-01	2.4783000E-02	4.5082000E-02
2.4836000E+03	3.2086000E-02	7.8419000E-01	2.5161000E-02	4.5771000E-02
2.4837000E+03	3.2579000E-02	7.8413000E-01	2.5546000E-02	4.6471000E-02
2.4838000E+03	3.3080000E-02	7.8407000E-01	2.5937000E-02	4.7182000E-02
2.4839000E+03	3.3589000E-02	7.8401000E-01	2.6334000E-02	4.7905000E-02
2.4840000E+03	3.4107000E-02	7.8394000E-01	2.6738000E-02	4.8639000E-02
2.4841000E+03	3.4633000E-02	7.8387000E-01	2.7148000E-02	4.9385000E-02
2.4842000E+03	3.5168000E-02	7.8380000E-01	2.7564000E-02	5.0143000E-02
2.4843000E+03	3.5712000E-02	7.8373000E-01	2.7988000E-02	5.0914000E-02
2.4844000E+03	3.6265000E-02	7.8365000E-01	2.8419000E-02	5.1697000E-02
2.4845000E+03	3.6827000E-02	7.8358000E-01	2.8857000E-02	5.2494000E-02
2.4846000E+03	3.7399000E-02	7.8351000E-01	2.9302000E-02	5.3304000E-02
2.4847000E+03	3.7981000E-02	7.8343000E-01	2.9755000E-02	5.4129000E-02
2.4848000E+03	3.8573000E-02	7.8336000E-01	3.0216000E-02	5.4967000E-02
2.4849000E+03	3.9175000E-02	7.8329000E-01	3.0685000E-02	5.5820000E-02
2.4850000E+03	3.9787000E-02	7.8322000E-01	3.1162000E-02	5.6688000E-02
2.4851000E+03	4.0411000E-02	7.8314000E-01	3.1647000E-02	5.7570000E-02
2.4852000E+03	4.1046000E-02	7.8306000E-01	3.2141000E-02	5.8468000E-02
2.4853000E+03	4.1692000E-02	7.8297000E-01	3.2643000E-02	5.9382000E-02
2.4854000E+03	4.2349000E-02	7.8290000E-01	3.3155000E-02	6.0313000E-02
2.4855000E+03	4.3019000E-02	7.8282000E-01	3.3676000E-02	6.1260000E-02
2.4856000E+03	4.3700000E-02	7.8274000E-01	3.4206000E-02	6.2224000E-02
2.4857000E+03	4.4394000E-02	7.8266000E-01	3.4745000E-02	6.3206000E-02
2.4858000E+03	4.5101000E-02	7.8258000E-01	3.5295000E-02	6.4205000E-02
2.4859000E+03	4.5821000E-02	7.8249000E-01	3.5854000E-02	6.5223000E-02
2.4860000E+03	4.6553000E-02	7.8241000E-01	3.6424000E-02	6.6260000E-02
2.4861000E+03	4.7300000E-02	7.8239000E-01	3.7007000E-02	6.7321000E-02
2.4862000E+03	4.8061000E-02	7.8237000E-01	3.7601000E-02	6.8401000E-02
2.4863000E+03	4.8836000E-02	7.8234000E-01	3.8206000E-02	6.9502000E-02
2.4864000E+03	4.9625000E-02	7.8232000E-01	3.8823000E-02	7.0623000E-02
2.4865000E+03	5.0429000E-02	7.8230000E-01	3.9450000E-02	7.1765000E-02
2.4866000E+03	5.1248000E-02	7.8227000E-01	4.0090000E-02	7.2929000E-02
2.4867000E+03	5.2083000E-02	7.8225000E-01	4.0742000E-02	7.4115000E-02
2.4868000E+03	5.2934000E-02	7.8222000E-01	4.1406000E-02	7.5323000E-02
2.4869000E+03	5.3801000E-02	7.8220000E-01	4.2083000E-02	7.6554000E-02

2.4870000E+03	5.4684000E-02	7.8218000E-01	4.2772000E-02	7.7808000E-02
2.4871000E+03	5.5584000E-02	7.8216000E-01	4.3475000E-02	7.9087000E-02
2.4872000E+03	5.6501000E-02	7.8213000E-01	4.4191000E-02	8.0389000E-02
2.4873000E+03	5.7435000E-02	7.8211000E-01	4.4921000E-02	8.1716000E-02
2.4874000E+03	5.8387000E-02	7.8209000E-01	4.5664000E-02	8.3069000E-02
2.4875000E+03	5.9358000E-02	7.8207000E-01	4.6422000E-02	8.4447000E-02
2.4876000E+03	6.0346000E-02	7.8205000E-01	4.7194000E-02	8.5851000E-02
2.4877000E+03	6.1354000E-02	7.8202000E-01	4.7980000E-02	8.7282000E-02
2.4878000E+03	6.2380000E-02	7.8200000E-01	4.8782000E-02	8.8740000E-02
2.4879000E+03	6.3426000E-02	7.8198000E-01	4.9598000E-02	9.0225000E-02
2.4880000E+03	6.4492000E-02	7.8196000E-01	5.0430000E-02	9.1738000E-02
2.4881000E+03	6.5577000E-02	7.8194000E-01	5.1277000E-02	9.3280000E-02
2.4882000E+03	6.6683000E-02	7.8192000E-01	5.2141000E-02	9.4850000E-02
2.4883000E+03	6.7810000E-02	7.8189000E-01	5.3020000E-02	9.6450000E-02
2.4884000E+03	6.8957000E-02	7.8187000E-01	5.3916000E-02	9.8080000E-02
2.4885000E+03	7.0126000E-02	7.8185000E-01	5.4828000E-02	9.9739000E-02
2.4886000E+03	7.1316000E-02	7.8183000E-01	5.5757000E-02	1.0143000E-01
2.4887000E+03	7.2528000E-02	7.8181000E-01	5.6703000E-02	1.0315000E-01
2.4888000E+03	7.3763000E-02	7.8179000E-01	5.7667000E-02	1.0490000E-01
2.4889000E+03	7.5020000E-02	7.8177000E-01	5.8648000E-02	1.0669000E-01
2.4890000E+03	7.6299000E-02	7.8174000E-01	5.9646000E-02	1.0850000E-01
2.4891000E+03	7.7602000E-02	7.8172000E-01	6.0663000E-02	1.1035000E-01
2.4892000E+03	7.8927000E-02	7.8170000E-01	6.1698000E-02	1.1224000E-01
2.4893000E+03	8.0277000E-02	7.8168000E-01	6.2751000E-02	1.1415000E-01
2.4894000E+03	8.1650000E-02	7.8167000E-01	6.3823000E-02	1.1610000E-01
2.4895000E+03	8.3047000E-02	7.8165000E-01	6.4913000E-02	1.1809000E-01
2.4896000E+03	8.4469000E-02	7.8163000E-01	6.6023000E-02	1.2010000E-01
2.4897000E+03	8.5915000E-02	7.8161000E-01	6.7151000E-02	1.2216000E-01
2.4898000E+03	8.7385000E-02	7.8159000E-01	6.8299000E-02	1.2424000E-01
2.4899000E+03	8.8881000E-02	7.8157000E-01	6.9466000E-02	1.2637000E-01
2.4900000E+03	9.0402000E-02	7.8155000E-01	7.0653000E-02	1.2853000E-01
2.4901000E+03	9.1949000E-02	7.8149000E-01	7.1857000E-02	1.3072000E-01
2.4902000E+03	9.3520000E-02	7.8144000E-01	7.3080000E-02	1.3294000E-01
2.4903000E+03	9.5118000E-02	7.8138000E-01	7.4324000E-02	1.3520000E-01
2.4904000E+03	9.6742000E-02	7.8133000E-01	7.5587000E-02	1.3750000E-01
2.4905000E+03	9.8392000E-02	7.8128000E-01	7.6871000E-02	1.3984000E-01
2.4906000E+03	1.0007000E-01	7.8122000E-01	7.8175000E-02	1.4221000E-01
2.4907000E+03	1.0177000E-01	7.8117000E-01	7.9499000E-02	1.4462000E-01
2.4908000E+03	1.0350000E-01	7.8111000E-01	8.0844000E-02	1.4707000E-01
2.4909000E+03	1.0525000E-01	7.8106000E-01	8.2210000E-02	1.4955000E-01
2.4910000E+03	1.0704000E-01	7.8100000E-01	8.3596000E-02	1.5207000E-01
2.4911000E+03	1.0885000E-01	7.8095000E-01	8.5004000E-02	1.5463000E-01
2.4912000E+03	1.1068000E-01	7.8090000E-01	8.6432000E-02	1.5723000E-01

2.4913000E+03	1.1254000E-01	7.8085000E-01	8.7881000E-02	1.5987000E-01
2.4914000E+03	1.1444000E-01	7.8080000E-01	8.9351000E-02	1.6254000E-01
2.4915000E+03	1.1635000E-01	7.8075000E-01	9.0842000E-02	1.6525000E-01
2.4916000E+03	1.1830000E-01	7.8070000E-01	9.2353000E-02	1.6800000E-01
2.4917000E+03	1.2027000E-01	7.8065000E-01	9.3887000E-02	1.7079000E-01
2.4918000E+03	1.2227000E-01	7.8060000E-01	9.5440000E-02	1.7362000E-01
2.4919000E+03	1.2429000E-01	7.8055000E-01	9.7016000E-02	1.7648000E-01
2.4920000E+03	1.2634000E-01	7.8049000E-01	9.8612000E-02	1.7939000E-01
2.4921000E+03	1.2842000E-01	7.8047000E-01	1.0023000E-01	1.8233000E-01
2.4922000E+03	1.3053000E-01	7.8044000E-01	1.0187000E-01	1.8532000E-01
2.4923000E+03	1.3266000E-01	7.8041000E-01	1.0353000E-01	1.8834000E-01
2.4924000E+03	1.3483000E-01	7.8039000E-01	1.0522000E-01	1.9140000E-01
2.4925000E+03	1.3701000E-01	7.8036000E-01	1.0692000E-01	1.9450000E-01
2.4926000E+03	1.3923000E-01	7.8033000E-01	1.0864000E-01	1.9764000E-01
2.4927000E+03	1.4147000E-01	7.8031000E-01	1.1039000E-01	2.0081000E-01
2.4928000E+03	1.4374000E-01	7.8028000E-01	1.1215000E-01	2.0402000E-01
2.4929000E+03	1.4603000E-01	7.8025000E-01	1.1394000E-01	2.0727000E-01
2.4930000E+03	1.4835000E-01	7.8023000E-01	1.1575000E-01	2.1055000E-01
2.4931000E+03	1.5069000E-01	7.8020000E-01	1.1757000E-01	2.1388000E-01
2.4932000E+03	1.5306000E-01	7.8018000E-01	1.1942000E-01	2.1724000E-01
2.4933000E+03	1.5546000E-01	7.8015000E-01	1.2128000E-01	2.2063000E-01
2.4934000E+03	1.5788000E-01	7.8013000E-01	1.2317000E-01	2.2406000E-01
2.4935000E+03	1.6033000E-01	7.8010000E-01	1.2507000E-01	2.2753000E-01
2.4936000E+03	1.6280000E-01	7.8007000E-01	1.2700000E-01	2.3103000E-01
2.4937000E+03	1.6530000E-01	7.8005000E-01	1.2894000E-01	2.3456000E-01
2.4938000E+03	1.6782000E-01	7.8002000E-01	1.3090000E-01	2.3813000E-01
2.4939000E+03	1.7037000E-01	7.8000000E-01	1.3289000E-01	2.4173000E-01
2.4940000E+03	1.7293000E-01	7.7997000E-01	1.3488000E-01	2.4537000E-01
2.4941000E+03	1.7553000E-01	7.7995000E-01	1.3690000E-01	2.4904000E-01
2.4942000E+03	1.7814000E-01	7.7993000E-01	1.3894000E-01	2.5274000E-01
2.4943000E+03	1.8078000E-01	7.7990000E-01	1.4099000E-01	2.5648000E-01
2.4944000E+03	1.8344000E-01	7.7988000E-01	1.4306000E-01	2.6025000E-01
2.4945000E+03	1.8612000E-01	7.7986000E-01	1.4515000E-01	2.6404000E-01
2.4946000E+03	1.8883000E-01	7.7984000E-01	1.4725000E-01	2.6787000E-01
2.4947000E+03	1.9155000E-01	7.7981000E-01	1.4938000E-01	2.7173000E-01
2.4948000E+03	1.9430000E-01	7.7979000E-01	1.5151000E-01	2.7562000E-01
2.4949000E+03	1.9707000E-01	7.7977000E-01	1.5367000E-01	2.7954000E-01
2.4950000E+03	1.9985000E-01	7.7974000E-01	1.5584000E-01	2.8348000E-01
2.4951000E+03	2.0266000E-01	7.7972000E-01	1.5802000E-01	2.8746000E-01
2.4952000E+03	2.0549000E-01	7.7970000E-01	1.6022000E-01	2.9146000E-01
2.4953000E+03	2.0833000E-01	7.7968000E-01	1.6243000E-01	2.9548000E-01
2.4954000E+03	2.1119000E-01	7.7966000E-01	1.6466000E-01	2.9954000E-01
2.4955000E+03	2.1407000E-01	7.7964000E-01	1.6690000E-01	3.0361000E-01

2.4956000E+03	2.1697000E-01	7.7962000E-01	1.6916000E-01	3.0772000E-01
2.4957000E+03	2.1989000E-01	7.7960000E-01	1.7142000E-01	3.1184000E-01
2.4958000E+03	2.2282000E-01	7.7958000E-01	1.7371000E-01	3.1599000E-01
2.4959000E+03	2.2577000E-01	7.7956000E-01	1.7600000E-01	3.2016000E-01
2.4960000E+03	2.2873000E-01	7.7953000E-01	1.7830000E-01	3.2436000E-01
2.4961000E+03	2.3171000E-01	7.7948000E-01	1.8061000E-01	3.2856000E-01
2.4962000E+03	2.3470000E-01	7.7943000E-01	1.8293000E-01	3.3278000E-01
2.4963000E+03	2.3771000E-01	7.7936000E-01	1.8526000E-01	3.3701000E-01
2.4964000E+03	2.4073000E-01	7.7930000E-01	1.8760000E-01	3.4127000E-01
2.4965000E+03	2.4376000E-01	7.7924000E-01	1.8995000E-01	3.4554000E-01
2.4966000E+03	2.4680000E-01	7.7918000E-01	1.9230000E-01	3.4983000E-01
2.4967000E+03	2.4986000E-01	7.7912000E-01	1.9467000E-01	3.5413000E-01
2.4968000E+03	2.5293000E-01	7.7905000E-01	1.9705000E-01	3.5845000E-01
2.4969000E+03	2.5601000E-01	7.7899000E-01	1.9943000E-01	3.6278000E-01
2.4970000E+03	2.5910000E-01	7.7893000E-01	2.0182000E-01	3.6713000E-01
2.4971000E+03	2.6219000E-01	7.7886000E-01	2.0421000E-01	3.7149000E-01
2.4972000E+03	2.6530000E-01	7.7880000E-01	2.0662000E-01	3.7586000E-01
2.4973000E+03	2.6842000E-01	7.7874000E-01	2.0903000E-01	3.8024000E-01
2.4974000E+03	2.7154000E-01	7.7867000E-01	2.1144000E-01	3.8464000E-01
2.4975000E+03	2.7467000E-01	7.7861000E-01	2.1386000E-01	3.8904000E-01
2.4976000E+03	2.7781000E-01	7.7854000E-01	2.1629000E-01	3.9345000E-01
2.4977000E+03	2.8095000E-01	7.7848000E-01	2.1871000E-01	3.9787000E-01
2.4978000E+03	2.8410000E-01	7.7841000E-01	2.2115000E-01	4.0230000E-01
2.4979000E+03	2.8726000E-01	7.7835000E-01	2.2359000E-01	4.0673000E-01
2.4980000E+03	2.9041000E-01	7.7828000E-01	2.2603000E-01	4.1117000E-01
2.4981000E+03	2.9358000E-01	7.7825000E-01	2.2848000E-01	4.1563000E-01
2.4982000E+03	2.9675000E-01	7.7822000E-01	2.3093000E-01	4.2009000E-01
2.4983000E+03	2.9991000E-01	7.7818000E-01	2.3339000E-01	4.2456000E-01
2.4984000E+03	3.0309000E-01	7.7815000E-01	2.3585000E-01	4.2903000E-01
2.4985000E+03	3.0626000E-01	7.7812000E-01	2.3831000E-01	4.3351000E-01
2.4986000E+03	3.0944000E-01	7.7808000E-01	2.4077000E-01	4.3798000E-01
2.4987000E+03	3.1261000E-01	7.7805000E-01	2.4323000E-01	4.4246000E-01
2.4988000E+03	3.1579000E-01	7.7801000E-01	2.4569000E-01	4.4694000E-01
2.4989000E+03	3.1897000E-01	7.7798000E-01	2.4815000E-01	4.5141000E-01
2.4990000E+03	3.2214000E-01	7.7795000E-01	2.5061000E-01	4.5589000E-01
2.4991000E+03	3.2532000E-01	7.7791000E-01	2.5307000E-01	4.6036000E-01
2.4992000E+03	3.2849000E-01	7.7788000E-01	2.5552000E-01	4.6483000E-01
2.4993000E+03	3.3166000E-01	7.7785000E-01	2.5798000E-01	4.6930000E-01
2.4994000E+03	3.3483000E-01	7.7781000E-01	2.6043000E-01	4.7376000E-01
2.4995000E+03	3.3799000E-01	7.7778000E-01	2.6288000E-01	4.7822000E-01
2.4996000E+03	3.4115000E-01	7.7775000E-01	2.6533000E-01	4.8267000E-01
2.4997000E+03	3.4431000E-01	7.7771000E-01	2.6778000E-01	4.8712000E-01
2.4998000E+03	3.4747000E-01	7.7768000E-01	2.7022000E-01	4.9156000E-01

2.4999000E+03	3.5061000E-01	7.7765000E-01	2.7265000E-01	4.9599000E-01
2.5000000E+03	3.5376000E-01	7.7761000E-01	2.7509000E-01	5.0042000E-01
2.5001000E+03	3.5689000E-01	7.7758000E-01	2.7751000E-01	5.0483000E-01
2.5002000E+03	3.6003000E-01	7.7754000E-01	2.7993000E-01	5.0924000E-01
2.5003000E+03	3.6315000E-01	7.7750000E-01	2.8235000E-01	5.1363000E-01
2.5004000E+03	3.6627000E-01	7.7746000E-01	2.8476000E-01	5.1802000E-01
2.5005000E+03	3.6938000E-01	7.7742000E-01	2.8717000E-01	5.2239000E-01
2.5006000E+03	3.7249000E-01	7.7739000E-01	2.8957000E-01	5.2675000E-01
2.5007000E+03	3.7558000E-01	7.7735000E-01	2.9196000E-01	5.3111000E-01
2.5008000E+03	3.7867000E-01	7.7731000E-01	2.9434000E-01	5.3545000E-01
2.5009000E+03	3.8175000E-01	7.7727000E-01	2.9672000E-01	5.3978000E-01
2.5010000E+03	3.8482000E-01	7.7723000E-01	2.9910000E-01	5.4409000E-01
2.5011000E+03	3.8788000E-01	7.7719000E-01	3.0146000E-01	5.4839000E-01
2.5012000E+03	3.9094000E-01	7.7715000E-01	3.0382000E-01	5.5268000E-01
2.5013000E+03	3.9398000E-01	7.7711000E-01	3.0617000E-01	5.5695000E-01
2.5014000E+03	3.9701000E-01	7.7707000E-01	3.0851000E-01	5.6121000E-01
2.5015000E+03	4.0004000E-01	7.7703000E-01	3.1084000E-01	5.6545000E-01
2.5016000E+03	4.0305000E-01	7.7699000E-01	3.1316000E-01	5.6968000E-01
2.5017000E+03	4.0605000E-01	7.7695000E-01	3.1548000E-01	5.7390000E-01
2.5018000E+03	4.0904000E-01	7.7690000E-01	3.1779000E-01	5.7809000E-01
2.5019000E+03	4.1203000E-01	7.7686000E-01	3.2009000E-01	5.8228000E-01
2.5020000E+03	4.1500000E-01	7.7682000E-01	3.2238000E-01	5.8644000E-01
2.5021000E+03	4.1795000E-01	7.7678000E-01	3.2466000E-01	5.9059000E-01
2.5022000E+03	4.2090000E-01	7.7674000E-01	3.2693000E-01	5.9473000E-01
2.5023000E+03	4.2384000E-01	7.7670000E-01	3.2919000E-01	5.9884000E-01
2.5024000E+03	4.2676000E-01	7.7666000E-01	3.3145000E-01	6.0294000E-01
2.5025000E+03	4.2968000E-01	7.7661000E-01	3.3369000E-01	6.0703000E-01
2.5026000E+03	4.3258000E-01	7.7657000E-01	3.3593000E-01	6.1109000E-01
2.5027000E+03	4.3547000E-01	7.7653000E-01	3.3815000E-01	6.1514000E-01
2.5028000E+03	4.3834000E-01	7.7649000E-01	3.4037000E-01	6.1917000E-01
2.5029000E+03	4.4121000E-01	7.7645000E-01	3.4258000E-01	6.2319000E-01
2.5030000E+03	4.4407000E-01	7.7641000E-01	3.4477000E-01	6.2719000E-01
2.5031000E+03	4.4691000E-01	7.7636000E-01	3.4696000E-01	6.3117000E-01
2.5032000E+03	4.4974000E-01	7.7632000E-01	3.4914000E-01	6.3513000E-01
2.5033000E+03	4.5256000E-01	7.7628000E-01	3.5131000E-01	6.3907000E-01
2.5034000E+03	4.5536000E-01	7.7623000E-01	3.5347000E-01	6.4300000E-01
2.5035000E+03	4.5815000E-01	7.7619000E-01	3.5561000E-01	6.4691000E-01
2.5036000E+03	4.6094000E-01	7.7615000E-01	3.5775000E-01	6.5080000E-01
2.5037000E+03	4.6371000E-01	7.7610000E-01	3.5988000E-01	6.5467000E-01
2.5038000E+03	4.6646000E-01	7.7606000E-01	3.6200000E-01	6.5853000E-01
2.5039000E+03	4.6921000E-01	7.7602000E-01	3.6411000E-01	6.6237000E-01
2.5040000E+03	4.7194000E-01	7.7597000E-01	3.6621000E-01	6.6619000E-01
2.5041000E+03	4.7466000E-01	7.7592000E-01	3.6830000E-01	6.6998000E-01

2.5042000E+03	4.7737000E-01	7.7586000E-01	3.7038000E-01	6.7376000E-01
2.5043000E+03	4.8007000E-01	7.7581000E-01	3.7244000E-01	6.7752000E-01
2.5044000E+03	4.8276000E-01	7.7575000E-01	3.7450000E-01	6.8126000E-01
2.5045000E+03	4.8544000E-01	7.7570000E-01	3.7655000E-01	6.8499000E-01
2.5046000E+03	4.8810000E-01	7.7564000E-01	3.7859000E-01	6.8870000E-01
2.5047000E+03	4.9075000E-01	7.7559000E-01	3.8062000E-01	6.9239000E-01
2.5048000E+03	4.9339000E-01	7.7553000E-01	3.8264000E-01	6.9607000E-01
2.5049000E+03	4.9602000E-01	7.7548000E-01	3.8465000E-01	6.9973000E-01
2.5050000E+03	4.9864000E-01	7.7542000E-01	3.8666000E-01	7.0338000E-01
2.5051000E+03	5.0125000E-01	7.7537000E-01	3.8865000E-01	7.0700000E-01
2.5052000E+03	5.0384000E-01	7.7531000E-01	3.9064000E-01	7.1062000E-01
2.5053000E+03	5.0643000E-01	7.7526000E-01	3.9261000E-01	7.1421000E-01
2.5054000E+03	5.0901000E-01	7.7520000E-01	3.9458000E-01	7.1780000E-01
2.5055000E+03	5.1157000E-01	7.7515000E-01	3.9654000E-01	7.2136000E-01
2.5056000E+03	5.1413000E-01	7.7509000E-01	3.9850000E-01	7.2491000E-01
2.5057000E+03	5.1667000E-01	7.7504000E-01	4.0044000E-01	7.2845000E-01
2.5058000E+03	5.1921000E-01	7.7498000E-01	4.0238000E-01	7.3197000E-01
2.5059000E+03	5.2173000E-01	7.7493000E-01	4.0430000E-01	7.3548000E-01
2.5060000E+03	5.2424000E-01	7.7487000E-01	4.0622000E-01	7.3897000E-01
2.5061000E+03	5.2675000E-01	7.7483000E-01	4.0814000E-01	7.4245000E-01
2.5062000E+03	5.2924000E-01	7.7478000E-01	4.1005000E-01	7.4592000E-01
2.5063000E+03	5.3173000E-01	7.7473000E-01	4.1194000E-01	7.4938000E-01
2.5064000E+03	5.3420000E-01	7.7468000E-01	4.1384000E-01	7.5282000E-01
2.5065000E+03	5.3667000E-01	7.7463000E-01	4.1572000E-01	7.5625000E-01
2.5066000E+03	5.3913000E-01	7.7458000E-01	4.1760000E-01	7.5966000E-01
2.5067000E+03	5.4157000E-01	7.7454000E-01	4.1947000E-01	7.6306000E-01
2.5068000E+03	5.4401000E-01	7.7449000E-01	4.2133000E-01	7.6645000E-01
2.5069000E+03	5.4644000E-01	7.7444000E-01	4.2318000E-01	7.6982000E-01
2.5070000E+03	5.4886000E-01	7.7439000E-01	4.2503000E-01	7.7318000E-01
2.5071000E+03	5.5127000E-01	7.7434000E-01	4.2687000E-01	7.7652000E-01
2.5072000E+03	5.5367000E-01	7.7428000E-01	4.2870000E-01	7.7985000E-01
2.5073000E+03	5.5606000E-01	7.7422000E-01	4.3052000E-01	7.8316000E-01
2.5074000E+03	5.5845000E-01	7.7417000E-01	4.3233000E-01	7.8646000E-01
2.5075000E+03	5.6082000E-01	7.7411000E-01	4.3414000E-01	7.8975000E-01
2.5076000E+03	5.6319000E-01	7.7405000E-01	4.3594000E-01	7.9302000E-01
2.5077000E+03	5.6554000E-01	7.7400000E-01	4.3773000E-01	7.9628000E-01
2.5078000E+03	5.6789000E-01	7.7394000E-01	4.3952000E-01	7.9953000E-01
2.5079000E+03	5.7023000E-01	7.7389000E-01	4.4129000E-01	8.0277000E-01
2.5080000E+03	5.7256000E-01	7.7383000E-01	4.4306000E-01	8.0599000E-01
2.5081000E+03	5.7488000E-01	7.7381000E-01	4.4485000E-01	8.0923000E-01
2.5082000E+03	5.7719000E-01	7.7378000E-01	4.4662000E-01	8.1246000E-01
2.5083000E+03	5.7950000E-01	7.7376000E-01	4.4839000E-01	8.1568000E-01
2.5084000E+03	5.8179000E-01	7.7374000E-01	4.5015000E-01	8.1888000E-01

2.5085000E+03	5.8407000E-01	7.7371000E-01	4.5191000E-01	8.2207000E-01
2.5086000E+03	5.8635000E-01	7.7369000E-01	4.5365000E-01	8.2525000E-01
2.5087000E+03	5.8862000E-01	7.7367000E-01	4.5539000E-01	8.2842000E-01
2.5088000E+03	5.9087000E-01	7.7365000E-01	4.5713000E-01	8.3157000E-01
2.5089000E+03	5.9312000E-01	7.7362000E-01	4.5885000E-01	8.3471000E-01
2.5090000E+03	5.9536000E-01	7.7360000E-01	4.6057000E-01	8.3783000E-01
2.5091000E+03	5.9758000E-01	7.7357000E-01	4.6227000E-01	8.4093000E-01
2.5092000E+03	5.9980000E-01	7.7355000E-01	4.6397000E-01	8.4402000E-01
2.5093000E+03	6.0201000E-01	7.7352000E-01	4.6566000E-01	8.4710000E-01
2.5094000E+03	6.0420000E-01	7.7350000E-01	4.6735000E-01	8.5016000E-01
2.5095000E+03	6.0638000E-01	7.7347000E-01	4.6902000E-01	8.5320000E-01
2.5096000E+03	6.0856000E-01	7.7344000E-01	4.7068000E-01	8.5623000E-01
2.5097000E+03	6.1072000E-01	7.7342000E-01	4.7234000E-01	8.5925000E-01
2.5098000E+03	6.1287000E-01	7.7339000E-01	4.7399000E-01	8.6225000E-01
2.5099000E+03	6.1501000E-01	7.7337000E-01	4.7563000E-01	8.6523000E-01
2.5100000E+03	6.1714000E-01	7.7334000E-01	4.7726000E-01	8.6819000E-01
2.5101000E+03	6.1925000E-01	7.7330000E-01	4.7887000E-01	8.7112000E-01
2.5102000E+03	6.2135000E-01	7.7327000E-01	4.8047000E-01	8.7404000E-01
2.5103000E+03	6.2344000E-01	7.7323000E-01	4.8207000E-01	8.7694000E-01
2.5104000E+03	6.2552000E-01	7.7319000E-01	4.8365000E-01	8.7982000E-01
2.5105000E+03	6.2758000E-01	7.7316000E-01	4.8522000E-01	8.8268000E-01
2.5106000E+03	6.2963000E-01	7.7312000E-01	4.8678000E-01	8.8552000E-01
2.5107000E+03	6.3167000E-01	7.7309000E-01	4.8833000E-01	8.8834000E-01
2.5108000E+03	6.3369000E-01	7.7305000E-01	4.8987000E-01	8.9114000E-01
2.5109000E+03	6.3569000E-01	7.7301000E-01	4.9140000E-01	8.9392000E-01
2.5110000E+03	6.3768000E-01	7.7298000E-01	4.9291000E-01	8.9667000E-01
2.5111000E+03	6.3966000E-01	7.7294000E-01	4.9442000E-01	8.9941000E-01
2.5112000E+03	6.4162000E-01	7.7291000E-01	4.9591000E-01	9.0212000E-01
2.5113000E+03	6.4356000E-01	7.7287000E-01	4.9739000E-01	9.0481000E-01
2.5114000E+03	6.4548000E-01	7.7284000E-01	4.9885000E-01	9.0747000E-01
2.5115000E+03	6.4739000E-01	7.7280000E-01	5.0030000E-01	9.1011000E-01
2.5116000E+03	6.4928000E-01	7.7277000E-01	5.0174000E-01	9.1273000E-01
2.5117000E+03	6.5115000E-01	7.7273000E-01	5.0316000E-01	9.1532000E-01
2.5118000E+03	6.5301000E-01	7.7270000E-01	5.0457000E-01	9.1788000E-01
2.5119000E+03	6.5484000E-01	7.7266000E-01	5.0597000E-01	9.2042000E-01
2.5120000E+03	6.5665000E-01	7.7262000E-01	5.0735000E-01	9.2293000E-01
2.5121000E+03	6.5845000E-01	7.7256000E-01	5.0869000E-01	9.2537000E-01
2.5122000E+03	6.6022000E-01	7.7249000E-01	5.1001000E-01	9.2778000E-01
2.5123000E+03	6.6198000E-01	7.7242000E-01	5.1132000E-01	9.3016000E-01
2.5124000E+03	6.6371000E-01	7.7235000E-01	5.1262000E-01	9.3251000E-01
2.5125000E+03	6.6542000E-01	7.7228000E-01	5.1389000E-01	9.3483000E-01
2.5126000E+03	6.6711000E-01	7.7221000E-01	5.1515000E-01	9.3712000E-01
2.5127000E+03	6.6877000E-01	7.7214000E-01	5.1639000E-01	9.3937000E-01

2.5128000E+03	6.7042000E-01	7.7207000E-01	5.1761000E-01	9.4160000E-01
2.5129000E+03	6.7204000E-01	7.7200000E-01	5.1881000E-01	9.4379000E-01
2.5130000E+03	6.7363000E-01	7.7194000E-01	5.2000000E-01	9.4594000E-01
2.5131000E+03	6.7520000E-01	7.7187000E-01	5.2117000E-01	9.4807000E-01
2.5132000E+03	6.7675000E-01	7.7180000E-01	5.2231000E-01	9.5015000E-01
2.5133000E+03	6.7827000E-01	7.7173000E-01	5.2344000E-01	9.5220000E-01
2.5134000E+03	6.7976000E-01	7.7166000E-01	5.2455000E-01	9.5422000E-01
2.5135000E+03	6.8123000E-01	7.7159000E-01	5.2563000E-01	9.5619000E-01
2.5136000E+03	6.8267000E-01	7.7153000E-01	5.2670000E-01	9.5813000E-01
2.5137000E+03	6.8409000E-01	7.7146000E-01	5.2774000E-01	9.6003000E-01
2.5138000E+03	6.8547000E-01	7.7139000E-01	5.2877000E-01	9.6189000E-01
2.5139000E+03	6.8683000E-01	7.7132000E-01	5.2977000E-01	9.6372000E-01
2.5140000E+03	6.8817000E-01	7.7125000E-01	5.3075000E-01	9.6550000E-01
2.5141000E+03	6.8947000E-01	7.7119000E-01	5.3171000E-01	9.6725000E-01
2.5142000E+03	6.9074000E-01	7.7113000E-01	5.3265000E-01	9.6896000E-01
2.5143000E+03	6.9198000E-01	7.7107000E-01	5.3357000E-01	9.7063000E-01
2.5144000E+03	6.9319000E-01	7.7101000E-01	5.3446000E-01	9.7225000E-01
2.5145000E+03	6.9438000E-01	7.7095000E-01	5.3533000E-01	9.7383000E-01
2.5146000E+03	6.9553000E-01	7.7089000E-01	5.3618000E-01	9.7537000E-01
2.5147000E+03	6.9665000E-01	7.7083000E-01	5.3700000E-01	9.7687000E-01
2.5148000E+03	6.9774000E-01	7.7077000E-01	5.3780000E-01	9.7832000E-01
2.5149000E+03	6.9880000E-01	7.7071000E-01	5.3857000E-01	9.7973000E-01
2.5150000E+03	6.9982000E-01	7.7065000E-01	5.3932000E-01	9.8109000E-01
2.5151000E+03	7.0082000E-01	7.7059000E-01	5.4004000E-01	9.8240000E-01
2.5152000E+03	7.0178000E-01	7.7053000E-01	5.4074000E-01	9.8366000E-01
2.5153000E+03	7.0270000E-01	7.7046000E-01	5.4141000E-01	9.8488000E-01
2.5154000E+03	7.0360000E-01	7.7040000E-01	5.4205000E-01	9.8606000E-01
2.5155000E+03	7.0446000E-01	7.7034000E-01	5.4267000E-01	9.8718000E-01
2.5156000E+03	7.0528000E-01	7.7027000E-01	5.4326000E-01	9.8826000E-01
2.5157000E+03	7.0608000E-01	7.7021000E-01	5.4383000E-01	9.8929000E-01
2.5158000E+03	7.0683000E-01	7.7015000E-01	5.4437000E-01	9.9027000E-01
2.5159000E+03	7.0756000E-01	7.7008000E-01	5.4488000E-01	9.9120000E-01
2.5160000E+03	7.0825000E-01	7.7002000E-01	5.4536000E-01	9.9209000E-01
2.5161000E+03	7.0890000E-01	7.6998000E-01	5.4584000E-01	9.9295000E-01
2.5162000E+03	7.0952000E-01	7.6995000E-01	5.4629000E-01	9.9377000E-01
2.5163000E+03	7.1010000E-01	7.6991000E-01	5.4671000E-01	9.9454000E-01
2.5164000E+03	7.1065000E-01	7.6987000E-01	5.4711000E-01	9.9526000E-01
2.5165000E+03	7.1116000E-01	7.6983000E-01	5.4747000E-01	9.9592000E-01
2.5166000E+03	7.1164000E-01	7.6979000E-01	5.4781000E-01	9.9654000E-01
2.5167000E+03	7.1208000E-01	7.6975000E-01	5.4813000E-01	9.9711000E-01
2.5168000E+03	7.1249000E-01	7.6972000E-01	5.4841000E-01	9.9763000E-01
2.5169000E+03	7.1285000E-01	7.6968000E-01	5.4867000E-01	9.9809000E-01
2.5170000E+03	7.1319000E-01	7.6964000E-01	5.4890000E-01	9.9851000E-01

2.5171000E+03	7.1348000E-01	7.6960000E-01	5.4910000E-01	9.9887000E-01
2.5172000E+03	7.1374000E-01	7.6956000E-01	5.4927000E-01	9.9919000E-01
2.5173000E+03	7.1397000E-01	7.6952000E-01	5.4941000E-01	9.9945000E-01
2.5174000E+03	7.1416000E-01	7.6948000E-01	5.4953000E-01	9.9966000E-01
2.5175000E+03	7.1431000E-01	7.6944000E-01	5.4962000E-01	9.9982000E-01
2.5176000E+03	7.1442000E-01	7.6940000E-01	5.4968000E-01	9.9993000E-01
2.5177000E+03	7.1450000E-01	7.6936000E-01	5.4971000E-01	9.9999000E-01
2.5178000E+03	7.1455000E-01	7.6932000E-01	5.4972000E-01	1.0000000E+00
2.5179000E+03	7.1455000E-01	7.6928000E-01	5.4969000E-01	9.9996000E-01
2.5180000E+03	7.1452000E-01	7.6924000E-01	5.4964000E-01	9.9986000E-01
2.5181000E+03	7.1446000E-01	7.6921000E-01	5.4957000E-01	9.9973000E-01
2.5182000E+03	7.1435000E-01	7.6918000E-01	5.4947000E-01	9.9954000E-01
2.5183000E+03	7.1422000E-01	7.6915000E-01	5.4934000E-01	9.9931000E-01
2.5184000E+03	7.1404000E-01	7.6911000E-01	5.4918000E-01	9.9902000E-01
2.5185000E+03	7.1383000E-01	7.6908000E-01	5.4899000E-01	9.9869000E-01
2.5186000E+03	7.1359000E-01	7.6905000E-01	5.4878000E-01	9.9830000E-01
2.5187000E+03	7.1330000E-01	7.6901000E-01	5.4854000E-01	9.9786000E-01
2.5188000E+03	7.1299000E-01	7.6898000E-01	5.4827000E-01	9.9738000E-01
2.5189000E+03	7.1264000E-01	7.6895000E-01	5.4798000E-01	9.9684000E-01
2.5190000E+03	7.1225000E-01	7.6891000E-01	5.4766000E-01	9.9626000E-01
2.5191000E+03	7.1183000E-01	7.6888000E-01	5.4731000E-01	9.9563000E-01
2.5192000E+03	7.1137000E-01	7.6885000E-01	5.4694000E-01	9.9495000E-01
2.5193000E+03	7.1087000E-01	7.6882000E-01	5.4654000E-01	9.9422000E-01
2.5194000E+03	7.1034000E-01	7.6879000E-01	5.4611000E-01	9.9344000E-01
2.5195000E+03	7.0978000E-01	7.6876000E-01	5.4565000E-01	9.9261000E-01
2.5196000E+03	7.0918000E-01	7.6873000E-01	5.4517000E-01	9.9174000E-01
2.5197000E+03	7.0855000E-01	7.6870000E-01	5.4467000E-01	9.9081000E-01
2.5198000E+03	7.0789000E-01	7.6867000E-01	5.4413000E-01	9.8984000E-01
2.5199000E+03	7.0718000E-01	7.6864000E-01	5.4357000E-01	9.8882000E-01
2.5200000E+03	7.0645000E-01	7.6861000E-01	5.4299000E-01	9.8776000E-01
2.5201000E+03	7.0568000E-01	7.6856000E-01	5.4236000E-01	9.8661000E-01
2.5202000E+03	7.0488000E-01	7.6850000E-01	5.4170000E-01	9.8542000E-01
2.5203000E+03	7.0404000E-01	7.6845000E-01	5.4102000E-01	9.8418000E-01
2.5204000E+03	7.0317000E-01	7.6839000E-01	5.4031000E-01	9.8289000E-01
2.5205000E+03	7.0227000E-01	7.6834000E-01	5.3958000E-01	9.8156000E-01
2.5206000E+03	7.0133000E-01	7.6828000E-01	5.3882000E-01	9.8018000E-01
2.5207000E+03	7.0036000E-01	7.6823000E-01	5.3804000E-01	9.7875000E-01
2.5208000E+03	6.9936000E-01	7.6817000E-01	5.3723000E-01	9.7728000E-01
2.5209000E+03	6.9832000E-01	7.6812000E-01	5.3639000E-01	9.7576000E-01
2.5210000E+03	6.9725000E-01	7.6806000E-01	5.3553000E-01	9.7420000E-01
2.5211000E+03	6.9615000E-01	7.6800000E-01	5.3465000E-01	9.7259000E-01
2.5212000E+03	6.9502000E-01	7.6794000E-01	5.3373000E-01	9.7092000E-01
2.5213000E+03	6.9385000E-01	7.6788000E-01	5.3279000E-01	9.6922000E-01

2.5214000E+03	6.9265000E-01	7.6782000E-01	5.3183000E-01	9.6747000E-01
2.5215000E+03	6.9142000E-01	7.6776000E-01	5.3085000E-01	9.6567000E-01
2.5216000E+03	6.9016000E-01	7.6770000E-01	5.2983000E-01	9.6383000E-01
2.5217000E+03	6.8886000E-01	7.6764000E-01	5.2880000E-01	9.6195000E-01
2.5218000E+03	6.8753000E-01	7.6758000E-01	5.2774000E-01	9.6002000E-01
2.5219000E+03	6.8617000E-01	7.6752000E-01	5.2665000E-01	9.5804000E-01
2.5220000E+03	6.8478000E-01	7.6746000E-01	5.2554000E-01	9.5602000E-01
2.5221000E+03	6.8335000E-01	7.6740000E-01	5.2440000E-01	9.5395000E-01
2.5222000E+03	6.8190000E-01	7.6733000E-01	5.2324000E-01	9.5184000E-01
2.5223000E+03	6.8041000E-01	7.6726000E-01	5.2205000E-01	9.4968000E-01
2.5224000E+03	6.7889000E-01	7.6719000E-01	5.2084000E-01	9.4747000E-01
2.5225000E+03	6.7734000E-01	7.6713000E-01	5.1960000E-01	9.4522000E-01
2.5226000E+03	6.7575000E-01	7.6706000E-01	5.1834000E-01	9.4293000E-01
2.5227000E+03	6.7414000E-01	7.6699000E-01	5.1706000E-01	9.4059000E-01
2.5228000E+03	6.7249000E-01	7.6693000E-01	5.1575000E-01	9.3821000E-01
2.5229000E+03	6.7081000E-01	7.6686000E-01	5.1442000E-01	9.3579000E-01
2.5230000E+03	6.6910000E-01	7.6679000E-01	5.1306000E-01	9.3332000E-01
2.5231000E+03	6.6736000E-01	7.6673000E-01	5.1168000E-01	9.3081000E-01
2.5232000E+03	6.6558000E-01	7.6666000E-01	5.1027000E-01	9.2825000E-01
2.5233000E+03	6.6378000E-01	7.6659000E-01	5.0884000E-01	9.2565000E-01
2.5234000E+03	6.6194000E-01	7.6652000E-01	5.0739000E-01	9.2300000E-01
2.5235000E+03	6.6006000E-01	7.6645000E-01	5.0591000E-01	9.2031000E-01
2.5236000E+03	6.5816000E-01	7.6638000E-01	5.0440000E-01	9.1757000E-01
2.5237000E+03	6.5623000E-01	7.6631000E-01	5.0288000E-01	9.1479000E-01
2.5238000E+03	6.5426000E-01	7.6625000E-01	5.0132000E-01	9.1197000E-01
2.5239000E+03	6.5226000E-01	7.6618000E-01	4.9975000E-01	9.0910000E-01
2.5240000E+03	6.5022000E-01	7.6611000E-01	4.9814000E-01	9.0619000E-01
2.5241000E+03	6.4816000E-01	7.6604000E-01	4.9652000E-01	9.0323000E-01
2.5242000E+03	6.4606000E-01	7.6597000E-01	4.9487000E-01	9.0022000E-01
2.5243000E+03	6.4393000E-01	7.6590000E-01	4.9319000E-01	8.9717000E-01
2.5244000E+03	6.4177000E-01	7.6584000E-01	4.9149000E-01	8.9408000E-01
2.5245000E+03	6.3957000E-01	7.6577000E-01	4.8976000E-01	8.9094000E-01
2.5246000E+03	6.3734000E-01	7.6570000E-01	4.8801000E-01	8.8776000E-01
2.5247000E+03	6.3508000E-01	7.6563000E-01	4.8624000E-01	8.8453000E-01
2.5248000E+03	6.3279000E-01	7.6556000E-01	4.8444000E-01	8.8125000E-01
2.5249000E+03	6.3046000E-01	7.6549000E-01	4.8261000E-01	8.7793000E-01
2.5250000E+03	6.2810000E-01	7.6543000E-01	4.8076000E-01	8.7456000E-01
2.5251000E+03	6.2570000E-01	7.6536000E-01	4.7889000E-01	8.7115000E-01
2.5252000E+03	6.2327000E-01	7.6530000E-01	4.7699000E-01	8.6770000E-01
2.5253000E+03	6.2081000E-01	7.6523000E-01	4.7507000E-01	8.6420000E-01
2.5254000E+03	6.1831000E-01	7.6517000E-01	4.7312000E-01	8.6066000E-01
2.5255000E+03	6.1579000E-01	7.6511000E-01	4.7114000E-01	8.5706000E-01
2.5256000E+03	6.1322000E-01	7.6504000E-01	4.6914000E-01	8.5342000E-01

2.5257000E+03	6.1063000E-01	7.6498000E-01	4.6711000E-01	8.4974000E-01
2.5258000E+03	6.0799000E-01	7.6491000E-01	4.6506000E-01	8.4601000E-01
2.5259000E+03	6.0533000E-01	7.6485000E-01	4.6299000E-01	8.4223000E-01
2.5260000E+03	6.0263000E-01	7.6478000E-01	4.6088000E-01	8.3840000E-01
2.5261000E+03	5.9990000E-01	7.6476000E-01	4.5878000E-01	8.3458000E-01
2.5262000E+03	5.9713000E-01	7.6474000E-01	4.5665000E-01	8.3071000E-01
2.5263000E+03	5.9433000E-01	7.6472000E-01	4.5450000E-01	8.2679000E-01
2.5264000E+03	5.9150000E-01	7.6470000E-01	4.5232000E-01	8.2282000E-01
2.5265000E+03	5.8863000E-01	7.6468000E-01	4.5011000E-01	8.1881000E-01
2.5266000E+03	5.8573000E-01	7.6466000E-01	4.4788000E-01	8.1475000E-01
2.5267000E+03	5.8279000E-01	7.6464000E-01	4.4562000E-01	8.1064000E-01
2.5268000E+03	5.7982000E-01	7.6462000E-01	4.4334000E-01	8.0649000E-01
2.5269000E+03	5.7681000E-01	7.6460000E-01	4.4103000E-01	8.0229000E-01
2.5270000E+03	5.7378000E-01	7.6458000E-01	4.3870000E-01	7.9804000E-01
2.5271000E+03	5.7070000E-01	7.6456000E-01	4.3634000E-01	7.9375000E-01
2.5272000E+03	5.6760000E-01	7.6454000E-01	4.3395000E-01	7.8941000E-01
2.5273000E+03	5.6446000E-01	7.6452000E-01	4.3154000E-01	7.8503000E-01
2.5274000E+03	5.6129000E-01	7.6451000E-01	4.2911000E-01	7.8060000E-01
2.5275000E+03	5.5808000E-01	7.6449000E-01	4.2665000E-01	7.7613000E-01
2.5276000E+03	5.5484000E-01	7.6447000E-01	4.2416000E-01	7.7160000E-01
2.5277000E+03	5.5157000E-01	7.6446000E-01	4.2165000E-01	7.6704000E-01
2.5278000E+03	5.4827000E-01	7.6444000E-01	4.1912000E-01	7.6243000E-01
2.5279000E+03	5.4493000E-01	7.6442000E-01	4.1656000E-01	7.5777000E-01
2.5280000E+03	5.4157000E-01	7.6440000E-01	4.1397000E-01	7.5307000E-01
2.5281000E+03	5.3817000E-01	7.6440000E-01	4.1137000E-01	7.4834000E-01
2.5282000E+03	5.3474000E-01	7.6440000E-01	4.0875000E-01	7.4357000E-01
2.5283000E+03	5.3127000E-01	7.6439000E-01	4.0610000E-01	7.3875000E-01
2.5284000E+03	5.2778000E-01	7.6439000E-01	4.0343000E-01	7.3389000E-01
2.5285000E+03	5.2426000E-01	7.6439000E-01	4.0073000E-01	7.2898000E-01
2.5286000E+03	5.2070000E-01	7.6438000E-01	3.9802000E-01	7.2404000E-01
2.5287000E+03	5.1712000E-01	7.6438000E-01	3.9528000E-01	7.1905000E-01
2.5288000E+03	5.1351000E-01	7.6438000E-01	3.9251000E-01	7.1403000E-01
2.5289000E+03	5.0986000E-01	7.6437000E-01	3.8973000E-01	7.0896000E-01
2.5290000E+03	5.0620000E-01	7.6437000E-01	3.8692000E-01	7.0386000E-01
2.5291000E+03	5.0250000E-01	7.6436000E-01	3.8409000E-01	6.9871000E-01
2.5292000E+03	4.9877000E-01	7.6436000E-01	3.8124000E-01	6.9352000E-01
2.5293000E+03	4.9502000E-01	7.6435000E-01	3.7837000E-01	6.8830000E-01
2.5294000E+03	4.9124000E-01	7.6434000E-01	3.7548000E-01	6.8304000E-01
2.5295000E+03	4.8744000E-01	7.6434000E-01	3.7257000E-01	6.7775000E-01
2.5296000E+03	4.8361000E-01	7.6433000E-01	3.6964000E-01	6.7242000E-01
2.5297000E+03	4.7976000E-01	7.6432000E-01	3.6669000E-01	6.6706000E-01
2.5298000E+03	4.7588000E-01	7.6432000E-01	3.6373000E-01	6.6166000E-01
2.5299000E+03	4.7198000E-01	7.6431000E-01	3.6074000E-01	6.5624000E-01

2.5300000E+03	4.6806000E-01	7.6430000E-01	3.5774000E-01	6.5078000E-01
2.5301000E+03	4.6412000E-01	7.6427000E-01	3.5471000E-01	6.4526000E-01
2.5302000E+03	4.6015000E-01	7.6423000E-01	3.5166000E-01	6.3972000E-01
2.5303000E+03	4.5617000E-01	7.6419000E-01	3.4860000E-01	6.3415000E-01
2.5304000E+03	4.5217000E-01	7.6415000E-01	3.4552000E-01	6.2855000E-01
2.5305000E+03	4.4814000E-01	7.6411000E-01	3.4243000E-01	6.2293000E-01
2.5306000E+03	4.4410000E-01	7.6408000E-01	3.3933000E-01	6.1728000E-01
2.5307000E+03	4.4004000E-01	7.6404000E-01	3.3621000E-01	6.1161000E-01
2.5308000E+03	4.3597000E-01	7.6400000E-01	3.3308000E-01	6.0592000E-01
2.5309000E+03	4.3188000E-01	7.6396000E-01	3.2994000E-01	6.0021000E-01
2.5310000E+03	4.2778000E-01	7.6392000E-01	3.2679000E-01	5.9447000E-01
2.5311000E+03	4.2366000E-01	7.6389000E-01	3.2363000E-01	5.8873000E-01
2.5312000E+03	4.1953000E-01	7.6385000E-01	3.2046000E-01	5.8296000E-01
2.5313000E+03	4.1539000E-01	7.6381000E-01	3.1728000E-01	5.7718000E-01
2.5314000E+03	4.1124000E-01	7.6377000E-01	3.1410000E-01	5.7138000E-01
2.5315000E+03	4.0708000E-01	7.6374000E-01	3.1090000E-01	5.6557000E-01
2.5316000E+03	4.0291000E-01	7.6370000E-01	3.0770000E-01	5.5975000E-01
2.5317000E+03	3.9873000E-01	7.6366000E-01	3.0450000E-01	5.5392000E-01
2.5318000E+03	3.9455000E-01	7.6362000E-01	3.0129000E-01	5.4808000E-01
2.5319000E+03	3.9036000E-01	7.6359000E-01	2.9807000E-01	5.4223000E-01
2.5320000E+03	3.8616000E-01	7.6355000E-01	2.9485000E-01	5.3637000E-01
2.5321000E+03	3.8196000E-01	7.6349000E-01	2.9163000E-01	5.3050000E-01
2.5322000E+03	3.7776000E-01	7.6343000E-01	2.8840000E-01	5.2463000E-01
2.5323000E+03	3.7356000E-01	7.6338000E-01	2.8516000E-01	5.1875000E-01
2.5324000E+03	3.6935000E-01	7.6332000E-01	2.8193000E-01	5.1287000E-01
2.5325000E+03	3.6515000E-01	7.6326000E-01	2.7870000E-01	5.0699000E-01
2.5326000E+03	3.6094000E-01	7.6320000E-01	2.7547000E-01	5.0112000E-01
2.5327000E+03	3.5675000E-01	7.6314000E-01	2.7225000E-01	4.9525000E-01
2.5328000E+03	3.5255000E-01	7.6309000E-01	2.6902000E-01	4.8939000E-01
2.5329000E+03	3.4835000E-01	7.6303000E-01	2.6581000E-01	4.8353000E-01
2.5330000E+03	3.4417000E-01	7.6297000E-01	2.6259000E-01	4.7768000E-01
2.5331000E+03	3.3999000E-01	7.6292000E-01	2.5938000E-01	4.7185000E-01
2.5332000E+03	3.3581000E-01	7.6287000E-01	2.5618000E-01	4.6602000E-01
2.5333000E+03	3.3165000E-01	7.6281000E-01	2.5299000E-01	4.6021000E-01
2.5334000E+03	3.2749000E-01	7.6276000E-01	2.4980000E-01	4.5441000E-01
2.5335000E+03	3.2335000E-01	7.6271000E-01	2.4662000E-01	4.4863000E-01
2.5336000E+03	3.1922000E-01	7.6265000E-01	2.4345000E-01	4.4287000E-01
2.5337000E+03	3.1510000E-01	7.6260000E-01	2.4029000E-01	4.3712000E-01
2.5338000E+03	3.1099000E-01	7.6255000E-01	2.3714000E-01	4.3139000E-01
2.5339000E+03	3.0690000E-01	7.6250000E-01	2.3401000E-01	4.2569000E-01
2.5340000E+03	3.0282000E-01	7.6244000E-01	2.3088000E-01	4.2001000E-01
2.5341000E+03	2.9876000E-01	7.6239000E-01	2.2777000E-01	4.1435000E-01
2.5342000E+03	2.9472000E-01	7.6235000E-01	2.2468000E-01	4.0871000E-01

2.5343000E+03	2.9070000E-01	7.6230000E-01	2.2160000E-01	4.0311000E-01
2.5344000E+03	2.8669000E-01	7.6225000E-01	2.1853000E-01	3.9753000E-01
2.5345000E+03	2.8271000E-01	7.6220000E-01	2.1548000E-01	3.9198000E-01
2.5346000E+03	2.7874000E-01	7.6215000E-01	2.1244000E-01	3.8646000E-01
2.5347000E+03	2.7480000E-01	7.6210000E-01	2.0943000E-01	3.8097000E-01
2.5348000E+03	2.7088000E-01	7.6205000E-01	2.0643000E-01	3.7552000E-01
2.5349000E+03	2.6699000E-01	7.6201000E-01	2.0345000E-01	3.7010000E-01
2.5350000E+03	2.6312000E-01	7.6196000E-01	2.0049000E-01	3.6471000E-01
2.5351000E+03	2.5928000E-01	7.6191000E-01	1.9754000E-01	3.5936000E-01
2.5352000E+03	2.5546000E-01	7.6186000E-01	1.9462000E-01	3.5404000E-01
2.5353000E+03	2.5167000E-01	7.6181000E-01	1.9172000E-01	3.4877000E-01
2.5354000E+03	2.4791000E-01	7.6176000E-01	1.8884000E-01	3.4353000E-01
2.5355000E+03	2.4417000E-01	7.6171000E-01	1.8599000E-01	3.3833000E-01
2.5356000E+03	2.4047000E-01	7.6167000E-01	1.8315000E-01	3.3318000E-01
2.5357000E+03	2.3679000E-01	7.6162000E-01	1.8034000E-01	3.2807000E-01
2.5358000E+03	2.3314000E-01	7.6157000E-01	1.7756000E-01	3.2299000E-01
2.5359000E+03	2.2953000E-01	7.6152000E-01	1.7479000E-01	3.1797000E-01
2.5360000E+03	2.2595000E-01	7.6147000E-01	1.7205000E-01	3.1299000E-01
2.5361000E+03	2.2240000E-01	7.6145000E-01	1.6935000E-01	3.0806000E-01
2.5362000E+03	2.1888000E-01	7.6143000E-01	1.6666000E-01	3.0318000E-01
2.5363000E+03	2.1540000E-01	7.6141000E-01	1.6401000E-01	2.9835000E-01
2.5364000E+03	2.1195000E-01	7.6139000E-01	1.6138000E-01	2.9356000E-01
2.5365000E+03	2.0853000E-01	7.6137000E-01	1.5877000E-01	2.8883000E-01
2.5366000E+03	2.0515000E-01	7.6135000E-01	1.5619000E-01	2.8414000E-01
2.5367000E+03	2.0181000E-01	7.6133000E-01	1.5364000E-01	2.7950000E-01
2.5368000E+03	1.9850000E-01	7.6131000E-01	1.5112000E-01	2.7491000E-01
2.5369000E+03	1.9523000E-01	7.6129000E-01	1.4863000E-01	2.7037000E-01
2.5370000E+03	1.9199000E-01	7.6127000E-01	1.4616000E-01	2.6588000E-01
2.5371000E+03	1.8879000E-01	7.6126000E-01	1.4372000E-01	2.6144000E-01
2.5372000E+03	1.8563000E-01	7.6124000E-01	1.4131000E-01	2.5706000E-01
2.5373000E+03	1.8251000E-01	7.6123000E-01	1.3893000E-01	2.5273000E-01
2.5374000E+03	1.7942000E-01	7.6121000E-01	1.3658000E-01	2.4845000E-01
2.5375000E+03	1.7637000E-01	7.6120000E-01	1.3425000E-01	2.4422000E-01
2.5376000E+03	1.7336000E-01	7.6118000E-01	1.3196000E-01	2.4005000E-01
2.5377000E+03	1.7039000E-01	7.6117000E-01	1.2969000E-01	2.3593000E-01
2.5378000E+03	1.6745000E-01	7.6115000E-01	1.2746000E-01	2.3186000E-01
2.5379000E+03	1.6456000E-01	7.6114000E-01	1.2525000E-01	2.2785000E-01
2.5380000E+03	1.6170000E-01	7.6112000E-01	1.2307000E-01	2.2389000E-01
2.5381000E+03	1.5889000E-01	7.6113000E-01	1.2093000E-01	2.1999000E-01
2.5382000E+03	1.5611000E-01	7.6114000E-01	1.1882000E-01	2.1615000E-01
2.5383000E+03	1.5337000E-01	7.6116000E-01	1.1674000E-01	2.1236000E-01
2.5384000E+03	1.5067000E-01	7.6117000E-01	1.1468000E-01	2.0862000E-01
2.5385000E+03	1.4800000E-01	7.6118000E-01	1.1266000E-01	2.0494000E-01

2.5386000E+03	1.4538000E-01	7.6119000E-01	1.1066000E-01	2.0131000E-01
2.5387000E+03	1.4280000E-01	7.6121000E-01	1.0870000E-01	1.9773000E-01
2.5388000E+03	1.4025000E-01	7.6122000E-01	1.0676000E-01	1.9421000E-01
2.5389000E+03	1.3774000E-01	7.6123000E-01	1.0486000E-01	1.9074000E-01
2.5390000E+03	1.3528000E-01	7.6125000E-01	1.0298000E-01	1.8733000E-01
2.5391000E+03	1.3285000E-01	7.6126000E-01	1.0113000E-01	1.8397000E-01
2.5392000E+03	1.3045000E-01	7.6127000E-01	9.9311000E-02	1.8066000E-01
2.5393000E+03	1.2810000E-01	7.6128000E-01	9.7520000E-02	1.7740000E-01
2.5394000E+03	1.2578000E-01	7.6130000E-01	9.5760000E-02	1.7420000E-01
2.5395000E+03	1.2351000E-01	7.6131000E-01	9.4027000E-02	1.7105000E-01
2.5396000E+03	1.2127000E-01	7.6132000E-01	9.2323000E-02	1.6795000E-01
2.5397000E+03	1.1906000E-01	7.6134000E-01	9.0647000E-02	1.6490000E-01
2.5398000E+03	1.1690000E-01	7.6135000E-01	8.8999000E-02	1.6190000E-01
2.5399000E+03	1.1477000E-01	7.6136000E-01	8.7378000E-02	1.5895000E-01
2.5400000E+03	1.1267000E-01	7.6137000E-01	8.5786000E-02	1.5606000E-01
2.5401000E+03	1.1062000E-01	7.6137000E-01	8.4219000E-02	1.5320000E-01
2.5402000E+03	1.0859000E-01	7.6136000E-01	8.2679000E-02	1.5040000E-01
2.5403000E+03	1.0661000E-01	7.6135000E-01	8.1165000E-02	1.4765000E-01
2.5404000E+03	1.0466000E-01	7.6134000E-01	7.9679000E-02	1.4495000E-01
2.5405000E+03	1.0274000E-01	7.6134000E-01	7.8219000E-02	1.4229000E-01
2.5406000E+03	1.0086000E-01	7.6133000E-01	7.6785000E-02	1.3968000E-01
2.5407000E+03	9.9009000E-02	7.6132000E-01	7.5378000E-02	1.3712000E-01
2.5408000E+03	9.7194000E-02	7.6131000E-01	7.3995000E-02	1.3461000E-01
2.5409000E+03	9.5413000E-02	7.6131000E-01	7.2638000E-02	1.3214000E-01
2.5410000E+03	9.3664000E-02	7.6130000E-01	7.1306000E-02	1.2971000E-01
2.5411000E+03	9.1948000E-02	7.6129000E-01	6.9999000E-02	1.2734000E-01
2.5412000E+03	9.0263000E-02	7.6129000E-01	6.8716000E-02	1.2500000E-01
2.5413000E+03	8.8610000E-02	7.6128000E-01	6.7457000E-02	1.2271000E-01
2.5414000E+03	8.6989000E-02	7.6127000E-01	6.6222000E-02	1.2047000E-01
2.5415000E+03	8.5397000E-02	7.6127000E-01	6.5010000E-02	1.1826000E-01
2.5416000E+03	8.3837000E-02	7.6127000E-01	6.3822000E-02	1.1610000E-01
2.5417000E+03	8.2306000E-02	7.6127000E-01	6.2656000E-02	1.1398000E-01
2.5418000E+03	8.0804000E-02	7.6127000E-01	6.1513000E-02	1.1190000E-01
2.5419000E+03	7.9331000E-02	7.6126000E-01	6.0392000E-02	1.0986000E-01
2.5420000E+03	7.7887000E-02	7.6126000E-01	5.9292000E-02	1.0786000E-01
2.5421000E+03	7.6470000E-02	7.6124000E-01	5.8212000E-02	1.0590000E-01
2.5422000E+03	7.5081000E-02	7.6122000E-01	5.7153000E-02	1.0397000E-01
2.5423000E+03	7.3720000E-02	7.6120000E-01	5.6115000E-02	1.0208000E-01
2.5424000E+03	7.2385000E-02	7.6118000E-01	5.5097000E-02	1.0023000E-01
2.5425000E+03	7.1076000E-02	7.6115000E-01	5.4100000E-02	9.8414000E-02
2.5426000E+03	6.9793000E-02	7.6113000E-01	5.3121000E-02	9.6634000E-02
2.5427000E+03	6.8535000E-02	7.6111000E-01	5.2162000E-02	9.4890000E-02
2.5428000E+03	6.7301000E-02	7.6109000E-01	5.1222000E-02	9.3180000E-02

2.5429000E+03	6.6093000E-02	7.6107000E-01	5.0301000E-02	9.1504000E-02
2.5430000E+03	6.4908000E-02	7.6104000E-01	4.9398000E-02	8.9861000E-02
2.5431000E+03	6.3747000E-02	7.6102000E-01	4.8512000E-02	8.8250000E-02
2.5432000E+03	6.2609000E-02	7.6099000E-01	4.7645000E-02	8.6672000E-02
2.5433000E+03	6.1493000E-02	7.6097000E-01	4.6794000E-02	8.5124000E-02
2.5434000E+03	6.0400000E-02	7.6094000E-01	4.5961000E-02	8.3608000E-02
2.5435000E+03	5.9328000E-02	7.6091000E-01	4.5144000E-02	8.2122000E-02
2.5436000E+03	5.8278000E-02	7.6089000E-01	4.4343000E-02	8.0665000E-02
2.5437000E+03	5.7249000E-02	7.6086000E-01	4.3558000E-02	7.9238000E-02
2.5438000E+03	5.6240000E-02	7.6083000E-01	4.2789000E-02	7.7839000E-02
2.5439000E+03	5.5251000E-02	7.6081000E-01	4.2036000E-02	7.6468000E-02
2.5440000E+03	5.4282000E-02	7.6078000E-01	4.1297000E-02	7.5124000E-02
2.5441000E+03	5.3333000E-02	7.6071000E-01	4.0571000E-02	7.3803000E-02
2.5442000E+03	5.2402000E-02	7.6064000E-01	3.9859000E-02	7.2509000E-02
2.5443000E+03	5.1490000E-02	7.6057000E-01	3.9162000E-02	7.1240000E-02
2.5444000E+03	5.0596000E-02	7.6050000E-01	3.8478000E-02	6.9996000E-02
2.5445000E+03	4.9720000E-02	7.6043000E-01	3.7808000E-02	6.8778000E-02
2.5446000E+03	4.8861000E-02	7.6036000E-01	3.7152000E-02	6.7583000E-02
2.5447000E+03	4.8019000E-02	7.6029000E-01	3.6508000E-02	6.6413000E-02
2.5448000E+03	4.7194000E-02	7.6021000E-01	3.5878000E-02	6.5266000E-02
2.5449000E+03	4.6386000E-02	7.6014000E-01	3.5260000E-02	6.4142000E-02
2.5450000E+03	4.5593000E-02	7.6007000E-01	3.4654000E-02	6.3040000E-02
2.5451000E+03	4.4816000E-02	7.6000000E-01	3.4060000E-02	6.1960000E-02
2.5452000E+03	4.4055000E-02	7.5992000E-01	3.3478000E-02	6.0901000E-02
2.5453000E+03	4.3308000E-02	7.5985000E-01	3.2908000E-02	5.9863000E-02
2.5454000E+03	4.2576000E-02	7.5977000E-01	3.2348000E-02	5.8845000E-02
2.5455000E+03	4.1859000E-02	7.5970000E-01	3.1800000E-02	5.7848000E-02
2.5456000E+03	4.1156000E-02	7.5962000E-01	3.1263000E-02	5.6871000E-02
2.5457000E+03	4.0466000E-02	7.5955000E-01	3.0736000E-02	5.5913000E-02
2.5458000E+03	3.9790000E-02	7.5947000E-01	3.0220000E-02	5.4973000E-02
2.5459000E+03	3.9128000E-02	7.5940000E-01	2.9713000E-02	5.4052000E-02
2.5460000E+03	3.8478000E-02	7.5932000E-01	2.9217000E-02	5.3150000E-02
2.5461000E+03	3.7841000E-02	7.5926000E-01	2.8731000E-02	5.2266000E-02
2.5462000E+03	3.7217000E-02	7.5920000E-01	2.8255000E-02	5.1399000E-02
2.5463000E+03	3.6604000E-02	7.5914000E-01	2.7788000E-02	5.0550000E-02
2.5464000E+03	3.6004000E-02	7.5909000E-01	2.7330000E-02	4.9717000E-02
2.5465000E+03	3.5415000E-02	7.5903000E-01	2.6881000E-02	4.8900000E-02
2.5466000E+03	3.4838000E-02	7.5897000E-01	2.6441000E-02	4.8099000E-02
2.5467000E+03	3.4272000E-02	7.5891000E-01	2.6009000E-02	4.7314000E-02
2.5468000E+03	3.3717000E-02	7.5885000E-01	2.5586000E-02	4.6544000E-02
2.5469000E+03	3.3173000E-02	7.5879000E-01	2.5171000E-02	4.5790000E-02
2.5470000E+03	3.2639000E-02	7.5873000E-01	2.4764000E-02	4.5049000E-02
2.5471000E+03	3.2116000E-02	7.5867000E-01	2.4365000E-02	4.4324000E-02

2.5472000E+03	3.1603000E-02	7.5861000E-01	2.3974000E-02	4.3612000E-02
2.5473000E+03	3.1100000E-02	7.5855000E-01	2.3591000E-02	4.2915000E-02
2.5474000E+03	3.0606000E-02	7.5850000E-01	2.3215000E-02	4.2230000E-02
2.5475000E+03	3.0122000E-02	7.5844000E-01	2.2846000E-02	4.1559000E-02
2.5476000E+03	2.9648000E-02	7.5838000E-01	2.2484000E-02	4.0901000E-02
2.5477000E+03	2.9182000E-02	7.5832000E-01	2.2130000E-02	4.0256000E-02
2.5478000E+03	2.8726000E-02	7.5826000E-01	2.1782000E-02	3.9624000E-02
2.5479000E+03	2.8278000E-02	7.5821000E-01	2.1441000E-02	3.9003000E-02
2.5480000E+03	2.7839000E-02	7.5815000E-01	2.1106000E-02	3.8395000E-02
2.5481000E+03	2.7409000E-02	7.5812000E-01	2.0779000E-02	3.7800000E-02
2.5482000E+03	2.6986000E-02	7.5809000E-01	2.0458000E-02	3.7216000E-02
2.5483000E+03	2.6572000E-02	7.5806000E-01	2.0144000E-02	3.6644000E-02
2.5484000E+03	2.6166000E-02	7.5803000E-01	1.9835000E-02	3.6082000E-02
2.5485000E+03	2.5768000E-02	7.5801000E-01	1.9532000E-02	3.5532000E-02
2.5486000E+03	2.5378000E-02	7.5798000E-01	1.9236000E-02	3.4992000E-02
2.5487000E+03	2.4994000E-02	7.5795000E-01	1.8945000E-02	3.4462000E-02
2.5488000E+03	2.4619000E-02	7.5792000E-01	1.8659000E-02	3.3943000E-02
2.5489000E+03	2.4250000E-02	7.5789000E-01	1.8379000E-02	3.3434000E-02
2.5490000E+03	2.3889000E-02	7.5786000E-01	1.8105000E-02	3.2935000E-02
2.5491000E+03	2.3535000E-02	7.5784000E-01	1.7836000E-02	3.2445000E-02
2.5492000E+03	2.3187000E-02	7.5781000E-01	1.7572000E-02	3.1965000E-02
2.5493000E+03	2.2846000E-02	7.5778000E-01	1.7313000E-02	3.1494000E-02
2.5494000E+03	2.2512000E-02	7.5775000E-01	1.7059000E-02	3.1032000E-02
2.5495000E+03	2.2184000E-02	7.5772000E-01	1.6810000E-02	3.0579000E-02
2.5496000E+03	2.1863000E-02	7.5770000E-01	1.6565000E-02	3.0134000E-02
2.5497000E+03	2.1548000E-02	7.5767000E-01	1.6326000E-02	2.9699000E-02
2.5498000E+03	2.1238000E-02	7.5764000E-01	1.6091000E-02	2.9271000E-02
2.5499000E+03	2.0935000E-02	7.5761000E-01	1.5861000E-02	2.8852000E-02
2.5500000E+03	2.0637000E-02	7.5758000E-01	1.5635000E-02	2.8441000E-02
2.5501000E+03	2.0346000E-02	7.5756000E-01	1.5413000E-02	2.8038000E-02
2.5502000E+03	2.0059000E-02	7.5754000E-01	1.5196000E-02	2.7643000E-02
2.5503000E+03	1.9779000E-02	7.5752000E-01	1.4983000E-02	2.7256000E-02
2.5504000E+03	1.9503000E-02	7.5750000E-01	1.4774000E-02	2.6876000E-02
2.5505000E+03	1.9233000E-02	7.5748000E-01	1.4569000E-02	2.6503000E-02
2.5506000E+03	1.8969000E-02	7.5746000E-01	1.4368000E-02	2.6137000E-02
2.5507000E+03	1.8709000E-02	7.5744000E-01	1.4171000E-02	2.5778000E-02
2.5508000E+03	1.8454000E-02	7.5742000E-01	1.3977000E-02	2.5426000E-02
2.5509000E+03	1.8204000E-02	7.5741000E-01	1.3787000E-02	2.5081000E-02
2.5510000E+03	1.7958000E-02	7.5739000E-01	1.3601000E-02	2.4743000E-02
2.5511000E+03	1.7718000E-02	7.5737000E-01	1.3419000E-02	2.4410000E-02
2.5512000E+03	1.7482000E-02	7.5735000E-01	1.3240000E-02	2.4085000E-02
2.5513000E+03	1.7250000E-02	7.5734000E-01	1.3064000E-02	2.3765000E-02
2.5514000E+03	1.7022000E-02	7.5732000E-01	1.2891000E-02	2.3451000E-02

2.5515000E+03	1.6799000E-02	7.5730000E-01	1.2722000E-02	2.3143000E-02
2.5516000E+03	1.6580000E-02	7.5728000E-01	1.2556000E-02	2.2841000E-02
2.5517000E+03	1.6366000E-02	7.5727000E-01	1.2393000E-02	2.2545000E-02
2.5518000E+03	1.6155000E-02	7.5725000E-01	1.2233000E-02	2.2254000E-02
2.5519000E+03	1.5948000E-02	7.5723000E-01	1.2076000E-02	2.1968000E-02
2.5520000E+03	1.5745000E-02	7.5722000E-01	1.1922000E-02	2.1688000E-02
2.5521000E+03	1.5546000E-02	7.5721000E-01	1.1771000E-02	2.1413000E-02
2.5522000E+03	1.5350000E-02	7.5720000E-01	1.1623000E-02	2.1144000E-02
2.5523000E+03	1.5158000E-02	7.5720000E-01	1.1477000E-02	2.0879000E-02
2.5524000E+03	1.4969000E-02	7.5719000E-01	1.1335000E-02	2.0619000E-02
2.5525000E+03	1.4784000E-02	7.5718000E-01	1.1194000E-02	2.0364000E-02
2.5526000E+03	1.4602000E-02	7.5718000E-01	1.1057000E-02	2.0113000E-02
2.5527000E+03	1.4424000E-02	7.5717000E-01	1.0921000E-02	1.9867000E-02
2.5528000E+03	1.4248000E-02	7.5716000E-01	1.0788000E-02	1.9625000E-02
2.5529000E+03	1.4076000E-02	7.5716000E-01	1.0658000E-02	1.9388000E-02
2.5530000E+03	1.3907000E-02	7.5715000E-01	1.0530000E-02	1.9155000E-02
2.5531000E+03	1.3741000E-02	7.5714000E-01	1.0404000E-02	1.8926000E-02
2.5532000E+03	1.3578000E-02	7.5714000E-01	1.0280000E-02	1.8701000E-02
2.5533000E+03	1.3417000E-02	7.5713000E-01	1.0159000E-02	1.8480000E-02
2.5534000E+03	1.3260000E-02	7.5713000E-01	1.0039000E-02	1.8263000E-02
2.5535000E+03	1.3105000E-02	7.5712000E-01	9.9219000E-03	1.8049000E-02
2.5536000E+03	1.2953000E-02	7.5711000E-01	9.8067000E-03	1.7840000E-02
2.5537000E+03	1.2803000E-02	7.5711000E-01	9.6933000E-03	1.7633000E-02
2.5538000E+03	1.2656000E-02	7.5710000E-01	9.5820000E-03	1.7431000E-02
2.5539000E+03	1.2512000E-02	7.5709000E-01	9.4725000E-03	1.7232000E-02
2.5540000E+03	1.2370000E-02	7.5709000E-01	9.3650000E-03	1.7036000E-02
2.5541000E+03	1.2230000E-02	7.5705000E-01	9.2589000E-03	1.6843000E-02
2.5542000E+03	1.2093000E-02	7.5702000E-01	9.1546000E-03	1.6653000E-02
2.5543000E+03	1.1958000E-02	7.5698000E-01	9.0520000E-03	1.6467000E-02
2.5544000E+03	1.1825000E-02	7.5695000E-01	8.9512000E-03	1.6283000E-02
2.5545000E+03	1.1695000E-02	7.5691000E-01	8.8521000E-03	1.6103000E-02
2.5546000E+03	1.1567000E-02	7.5688000E-01	8.7546000E-03	1.5926000E-02
2.5547000E+03	1.1441000E-02	7.5685000E-01	8.6588000E-03	1.5751000E-02
2.5548000E+03	1.1316000E-02	7.5681000E-01	8.5644000E-03	1.5580000E-02
2.5549000E+03	1.1195000E-02	7.5678000E-01	8.4718000E-03	1.5411000E-02
2.5550000E+03	1.1075000E-02	7.5674000E-01	8.3806000E-03	1.5245000E-02
2.5551000E+03	1.0957000E-02	7.5671000E-01	8.2909000E-03	1.5082000E-02
2.5552000E+03	1.0841000E-02	7.5667000E-01	8.2028000E-03	1.4922000E-02
2.5553000E+03	1.0726000E-02	7.5664000E-01	8.1160000E-03	1.4764000E-02
2.5554000E+03	1.0614000E-02	7.5660000E-01	8.0307000E-03	1.4609000E-02
2.5555000E+03	1.0504000E-02	7.5657000E-01	7.9468000E-03	1.4456000E-02
2.5556000E+03	1.0395000E-02	7.5653000E-01	7.8643000E-03	1.4306000E-02
2.5557000E+03	1.0288000E-02	7.5649000E-01	7.7830000E-03	1.4158000E-02

2.5558000E+03	1.0183000E-02	7.5646000E-01	7.7032000E-03	1.4013000E-02
2.5559000E+03	1.0080000E-02	7.5642000E-01	7.6247000E-03	1.3870000E-02
2.5560000E+03	9.9783000E-03	7.5639000E-01	7.5475000E-03	1.3730000E-02
2.5561000E+03	9.8783000E-03	7.5632000E-01	7.4712000E-03	1.3591000E-02
2.5562000E+03	9.7800000E-03	7.5626000E-01	7.3962000E-03	1.3455000E-02
2.5563000E+03	9.6833000E-03	7.5619000E-01	7.3225000E-03	1.3321000E-02
2.5564000E+03	9.5882000E-03	7.5613000E-01	7.2500000E-03	1.3189000E-02
2.5565000E+03	9.4948000E-03	7.5607000E-01	7.1787000E-03	1.3059000E-02
2.5566000E+03	9.4028000E-03	7.5600000E-01	7.1085000E-03	1.2931000E-02
2.5567000E+03	9.3124000E-03	7.5594000E-01	7.0396000E-03	1.2806000E-02
2.5568000E+03	9.2235000E-03	7.5587000E-01	6.9718000E-03	1.2683000E-02
2.5569000E+03	9.1362000E-03	7.5581000E-01	6.9052000E-03	1.2561000E-02
2.5570000E+03	9.0503000E-03	7.5574000E-01	6.8397000E-03	1.2442000E-02
2.5571000E+03	8.9658000E-03	7.5569000E-01	6.7754000E-03	1.2325000E-02
2.5572000E+03	8.8828000E-03	7.5564000E-01	6.7122000E-03	1.2210000E-02
2.5573000E+03	8.8012000E-03	7.5558000E-01	6.6500000E-03	1.2097000E-02
2.5574000E+03	8.7211000E-03	7.5553000E-01	6.5890000E-03	1.1986000E-02
2.5575000E+03	8.6422000E-03	7.5547000E-01	6.5290000E-03	1.1877000E-02
2.5576000E+03	8.5648000E-03	7.5542000E-01	6.4700000E-03	1.1770000E-02
2.5577000E+03	8.4887000E-03	7.5537000E-01	6.4121000E-03	1.1664000E-02
2.5578000E+03	8.4140000E-03	7.5531000E-01	6.3552000E-03	1.1561000E-02
2.5579000E+03	8.3405000E-03	7.5526000E-01	6.2993000E-03	1.1459000E-02
2.5580000E+03	8.2684000E-03	7.5521000E-01	6.2443000E-03	1.1359000E-02
2.5581000E+03	8.1975000E-03	7.5516000E-01	6.1905000E-03	1.1261000E-02
2.5582000E+03	8.1279000E-03	7.5512000E-01	6.1375000E-03	1.1165000E-02
2.5583000E+03	8.0595000E-03	7.5508000E-01	6.0856000E-03	1.1070000E-02
2.5584000E+03	7.9923000E-03	7.5504000E-01	6.0345000E-03	1.0978000E-02
2.5585000E+03	7.9264000E-03	7.5499000E-01	5.9844000E-03	1.0886000E-02
2.5586000E+03	7.8616000E-03	7.5495000E-01	5.9351000E-03	1.0797000E-02
2.5587000E+03	7.7980000E-03	7.5491000E-01	5.8868000E-03	1.0709000E-02
2.5588000E+03	7.7355000E-03	7.5487000E-01	5.8393000E-03	1.0622000E-02
2.5589000E+03	7.6742000E-03	7.5482000E-01	5.7926000E-03	1.0538000E-02
2.5590000E+03	7.6139000E-03	7.5478000E-01	5.7469000E-03	1.0454000E-02
2.5591000E+03	7.5548000E-03	7.5474000E-01	5.7019000E-03	1.0372000E-02
2.5592000E+03	7.4967000E-03	7.5470000E-01	5.6578000E-03	1.0292000E-02
2.5593000E+03	7.4396000E-03	7.5467000E-01	5.6144000E-03	1.0213000E-02
2.5594000E+03	7.3836000E-03	7.5463000E-01	5.5719000E-03	1.0136000E-02
2.5595000E+03	7.3285000E-03	7.5459000E-01	5.5300000E-03	1.0060000E-02
2.5596000E+03	7.2745000E-03	7.5455000E-01	5.4890000E-03	9.9851000E-03
2.5597000E+03	7.2214000E-03	7.5451000E-01	5.4486000E-03	9.9117000E-03
2.5598000E+03	7.1692000E-03	7.5447000E-01	5.4090000E-03	9.8396000E-03
2.5599000E+03	7.1180000E-03	7.5444000E-01	5.3701000E-03	9.7688000E-03
2.5600000E+03	7.0676000E-03	7.5440000E-01	5.3318000E-03	9.6992000E-03

2.5601000E+03	7.0181000E-03	7.5437000E-01	5.2943000E-03	9.6309000E-03
2.5602000E+03	6.9695000E-03	7.5435000E-01	5.2574000E-03	9.5639000E-03
2.5603000E+03	6.9216000E-03	7.5432000E-01	5.2211000E-03	9.4979000E-03
2.5604000E+03	6.8746000E-03	7.5430000E-01	5.1855000E-03	9.4330000E-03
2.5605000E+03	6.8283000E-03	7.5427000E-01	5.1504000E-03	9.3693000E-03
2.5606000E+03	6.7828000E-03	7.5425000E-01	5.1159000E-03	9.3065000E-03
2.5607000E+03	6.7380000E-03	7.5423000E-01	5.0820000E-03	9.2447000E-03
2.5608000E+03	6.6939000E-03	7.5420000E-01	5.0486000E-03	9.1839000E-03
2.5609000E+03	6.6505000E-03	7.5418000E-01	5.0157000E-03	9.1241000E-03
2.5610000E+03	6.6077000E-03	7.5415000E-01	4.9832000E-03	9.0651000E-03
2.5611000E+03	6.5656000E-03	7.5412000E-01	4.9513000E-03	9.0070000E-03
2.5612000E+03	6.5241000E-03	7.5409000E-01	4.9198000E-03	8.9497000E-03
2.5613000E+03	6.4832000E-03	7.5406000E-01	4.8887000E-03	8.8932000E-03
2.5614000E+03	6.4428000E-03	7.5404000E-01	4.8581000E-03	8.8375000E-03
2.5615000E+03	6.4030000E-03	7.5401000E-01	4.8279000E-03	8.7825000E-03
2.5616000E+03	6.3637000E-03	7.5398000E-01	4.7981000E-03	8.7282000E-03
2.5617000E+03	6.3248000E-03	7.5395000E-01	4.7686000E-03	8.6746000E-03
2.5618000E+03	6.2865000E-03	7.5392000E-01	4.7395000E-03	8.6217000E-03
2.5619000E+03	6.2485000E-03	7.5389000E-01	4.7107000E-03	8.5694000E-03
2.5620000E+03	6.2111000E-03	7.5386000E-01	4.6823000E-03	8.5176000E-03
2.5621000E+03	6.1740000E-03	7.5384000E-01	4.6542000E-03	8.4665000E-03
2.5622000E+03	6.1373000E-03	7.5381000E-01	4.6264000E-03	8.4160000E-03
2.5623000E+03	6.1010000E-03	7.5379000E-01	4.5989000E-03	8.3659000E-03
2.5624000E+03	6.0650000E-03	7.5377000E-01	4.5716000E-03	8.3163000E-03
2.5625000E+03	6.0294000E-03	7.5374000E-01	4.5446000E-03	8.2672000E-03
2.5626000E+03	5.9940000E-03	7.5372000E-01	4.5178000E-03	8.2184000E-03
2.5627000E+03	5.9589000E-03	7.5370000E-01	4.4912000E-03	8.1701000E-03
2.5628000E+03	5.9241000E-03	7.5367000E-01	4.4649000E-03	8.1222000E-03
2.5629000E+03	5.8896000E-03	7.5365000E-01	4.4387000E-03	8.0746000E-03
2.5630000E+03	5.8553000E-03	7.5363000E-01	4.4127000E-03	8.0273000E-03
2.5631000E+03	5.8213000E-03	7.5360000E-01	4.3869000E-03	7.9803000E-03
2.5632000E+03	5.7874000E-03	7.5357000E-01	4.3612000E-03	7.9336000E-03
2.5633000E+03	5.7537000E-03	7.5355000E-01	4.3357000E-03	7.8872000E-03
2.5634000E+03	5.7203000E-03	7.5352000E-01	4.3103000E-03	7.8410000E-03
2.5635000E+03	5.6869000E-03	7.5349000E-01	4.2851000E-03	7.7951000E-03
2.5636000E+03	5.6538000E-03	7.5346000E-01	4.2600000E-03	7.7494000E-03
2.5637000E+03	5.6208000E-03	7.5344000E-01	4.2349000E-03	7.7038000E-03
2.5638000E+03	5.5879000E-03	7.5341000E-01	4.2100000E-03	7.6585000E-03
2.5639000E+03	5.5552000E-03	7.5338000E-01	4.1852000E-03	7.6133000E-03
2.5640000E+03	5.5226000E-03	7.5336000E-01	4.1604000E-03	7.5684000E-03
2.5641000E+03	5.4900000E-03	7.5333000E-01	4.1358000E-03	7.5236000E-03
2.5642000E+03	5.4576000E-03	7.5331000E-01	4.1113000E-03	7.4790000E-03
2.5643000E+03	5.4253000E-03	7.5329000E-01	4.0869000E-03	7.4345000E-03

2.5644000E+03	5.3931000E-03	7.5327000E-01	4.0625000E-03	7.3902000E-03
2.5645000E+03	5.3610000E-03	7.5325000E-01	4.0382000E-03	7.3459000E-03
2.5646000E+03	5.3289000E-03	7.5323000E-01	4.0139000E-03	7.3018000E-03
2.5647000E+03	5.2970000E-03	7.5321000E-01	3.9897000E-03	7.2578000E-03
2.5648000E+03	5.2651000E-03	7.5319000E-01	3.9656000E-03	7.2139000E-03
2.5649000E+03	5.2333000E-03	7.5317000E-01	3.9416000E-03	7.1702000E-03
2.5650000E+03	5.2020000E-03	7.5315000E-01	3.9179000E-03	7.1271000E-03
2.5651000E+03	5.1704000E-03	7.5313000E-01	3.8940000E-03	7.0836000E-03
2.5652000E+03	5.1388000E-03	7.5311000E-01	3.8701000E-03	7.0402000E-03
2.5653000E+03	5.1074000E-03	7.5309000E-01	3.8463000E-03	6.9969000E-03
2.5654000E+03	5.0760000E-03	7.5308000E-01	3.8226000E-03	6.9538000E-03
2.5655000E+03	5.0447000E-03	7.5306000E-01	3.7990000E-03	6.9108000E-03
2.5656000E+03	5.0135000E-03	7.5304000E-01	3.7754000E-03	6.8679000E-03
2.5657000E+03	4.9825000E-03	7.5303000E-01	3.7519000E-03	6.8252000E-03
2.5658000E+03	4.9515000E-03	7.5301000E-01	3.7285000E-03	6.7826000E-03
2.5659000E+03	4.9206000E-03	7.5299000E-01	3.7052000E-03	6.7402000E-03
2.5660000E+03	4.8899000E-03	7.5297000E-01	3.6820000E-03	6.6980000E-03
2.5661000E+03	4.8593000E-03	7.5296000E-01	3.6589000E-03	6.6559000E-03
2.5662000E+03	4.8288000E-03	7.5295000E-01	3.6359000E-03	6.6141000E-03
2.5663000E+03	4.7985000E-03	7.5294000E-01	3.6130000E-03	6.5724000E-03
2.5664000E+03	4.7683000E-03	7.5293000E-01	3.5902000E-03	6.5310000E-03
2.5665000E+03	4.7383000E-03	7.5291000E-01	3.5675000E-03	6.4898000E-03
2.5666000E+03	4.7084000E-03	7.5290000E-01	3.5450000E-03	6.4488000E-03
2.5667000E+03	4.6787000E-03	7.5289000E-01	3.5226000E-03	6.4080000E-03
2.5668000E+03	4.6492000E-03	7.5288000E-01	3.5003000E-03	6.3675000E-03
2.5669000E+03	4.6199000E-03	7.5287000E-01	3.4782000E-03	6.3273000E-03
2.5670000E+03	4.5909000E-03	7.5286000E-01	3.4563000E-03	6.2874000E-03
2.5671000E+03	4.5620000E-03	7.5285000E-01	3.4345000E-03	6.2478000E-03
2.5672000E+03	4.5333000E-03	7.5284000E-01	3.4129000E-03	6.2085000E-03
2.5673000E+03	4.5049000E-03	7.5284000E-01	3.3915000E-03	6.1695000E-03
2.5674000E+03	4.4768000E-03	7.5283000E-01	3.3702000E-03	6.1309000E-03
2.5675000E+03	4.4489000E-03	7.5282000E-01	3.3492000E-03	6.0926000E-03
2.5676000E+03	4.4212000E-03	7.5282000E-01	3.3284000E-03	6.0547000E-03
2.5677000E+03	4.3939000E-03	7.5281000E-01	3.3078000E-03	6.0172000E-03
2.5678000E+03	4.3668000E-03	7.5280000E-01	3.2874000E-03	5.9801000E-03
2.5679000E+03	4.3400000E-03	7.5280000E-01	3.2672000E-03	5.9434000E-03
2.5680000E+03	4.3136000E-03	7.5279000E-01	3.2472000E-03	5.9071000E-03
2.5681000E+03	4.2875000E-03	7.5273000E-01	3.2273000E-03	5.8709000E-03
2.5682000E+03	4.2616000E-03	7.5268000E-01	3.2076000E-03	5.8351000E-03
2.5683000E+03	4.2362000E-03	7.5262000E-01	3.1882000E-03	5.7997000E-03
2.5684000E+03	4.2110000E-03	7.5256000E-01	3.1691000E-03	5.7649000E-03
2.5685000E+03	4.1862000E-03	7.5250000E-01	3.1502000E-03	5.7305000E-03
2.5686000E+03	4.1618000E-03	7.5245000E-01	3.1315000E-03	5.6967000E-03

2.5687000E+03	4.1378000E-03	7.5239000E-01	3.1132000E-03	5.6633000E-03
2.5688000E+03	4.1141000E-03	7.5233000E-01	3.0952000E-03	5.6305000E-03
2.5689000E+03	4.0908000E-03	7.5227000E-01	3.0774000E-03	5.5981000E-03
2.5690000E+03	4.0679000E-03	7.5222000E-01	3.0599000E-03	5.5664000E-03
2.5691000E+03	4.0454000E-03	7.5215000E-01	3.0427000E-03	5.5351000E-03
2.5692000E+03	4.0232000E-03	7.5209000E-01	3.0258000E-03	5.5044000E-03
2.5693000E+03	4.0015000E-03	7.5203000E-01	3.0093000E-03	5.4742000E-03
2.5694000E+03	3.9802000E-03	7.5197000E-01	2.9930000E-03	5.4446000E-03
2.5695000E+03	3.9593000E-03	7.5191000E-01	2.9770000E-03	5.4156000E-03
2.5696000E+03	3.9388000E-03	7.5185000E-01	2.9614000E-03	5.3871000E-03
2.5697000E+03	3.9187000E-03	7.5178000E-01	2.9460000E-03	5.3592000E-03
2.5698000E+03	3.8991000E-03	7.5172000E-01	2.9310000E-03	5.3319000E-03
2.5699000E+03	0.0000000E+00	7.5172000E-01	0.0000000E+00	0.0000000E+00
Channel 19				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2.5518000E+03	0.0000000E+00	7.5725000E-01	0.0000000E+00	0.0000000E+00
2.5520000E+03	1.9255000E-03	7.5722000E-01	1.4580000E-03	2.5133000E-03
2.5522000E+03	1.9503000E-03	7.5720000E-01	1.4767000E-03	2.5455000E-03
2.5524000E+03	1.9747000E-03	7.5719000E-01	1.4952000E-03	2.5773000E-03
2.5526000E+03	1.9986000E-03	7.5718000E-01	1.5133000E-03	2.6085000E-03
2.5528000E+03	2.0221000E-03	7.5716000E-01	1.5310000E-03	2.6391000E-03
2.5530000E+03	2.0417000E-03	7.5715000E-01	1.5459000E-03	2.6646000E-03
2.5532000E+03	2.0636000E-03	7.5714000E-01	1.5624000E-03	2.6932000E-03
2.5534000E+03	2.0849000E-03	7.5713000E-01	1.5785000E-03	2.7209000E-03
2.5536000E+03	2.1054000E-03	7.5711000E-01	1.5940000E-03	2.7476000E-03
2.5538000E+03	2.1252000E-03	7.5710000E-01	1.6090000E-03	2.7734000E-03
2.5540000E+03	2.1441000E-03	7.5709000E-01	1.6233000E-03	2.7981000E-03
2.5542000E+03	2.1624000E-03	7.5702000E-01	1.6370000E-03	2.8216000E-03
2.5544000E+03	2.1798000E-03	7.5695000E-01	1.6500000E-03	2.8441000E-03
2.5546000E+03	2.1965000E-03	7.5688000E-01	1.6624000E-03	2.8656000E-03
2.5548000E+03	2.2124000E-03	7.5681000E-01	1.6743000E-03	2.8861000E-03
2.5550000E+03	2.2275000E-03	7.5674000E-01	1.6857000E-03	2.9056000E-03
2.5552000E+03	2.2421000E-03	7.5667000E-01	1.6965000E-03	2.9243000E-03
2.5554000E+03	2.2561000E-03	7.5660000E-01	1.7069000E-03	2.9423000E-03
2.5556000E+03	2.2695000E-03	7.5653000E-01	1.7169000E-03	2.9595000E-03
2.5558000E+03	2.2825000E-03	7.5646000E-01	1.7266000E-03	2.9762000E-03
2.5560000E+03	2.2952000E-03	7.5639000E-01	1.7361000E-03	2.9925000E-03
2.5562000E+03	2.3078000E-03	7.5626000E-01	1.7453000E-03	3.0084000E-03
2.5564000E+03	2.3203000E-03	7.5613000E-01	1.7544000E-03	3.0242000E-03
2.5566000E+03	2.3329000E-03	7.5600000E-01	1.7637000E-03	3.0401000E-03

2.5568000E+03	2.3458000E-03	7.5587000E-01	1.7731000E-03	3.0563000E-03
2.5570000E+03	2.3591000E-03	7.5574000E-01	1.7829000E-03	3.0732000E-03
2.5572000E+03	2.3730000E-03	7.5564000E-01	1.7932000E-03	3.0909000E-03
2.5574000E+03	2.3878000E-03	7.5553000E-01	1.8041000E-03	3.1097000E-03
2.5576000E+03	2.4036000E-03	7.5542000E-01	1.8158000E-03	3.1298000E-03
2.5578000E+03	2.4207000E-03	7.5531000E-01	1.8284000E-03	3.1516000E-03
2.5580000E+03	2.4391000E-03	7.5521000E-01	1.8421000E-03	3.1752000E-03
2.5582000E+03	2.4593000E-03	7.5512000E-01	1.8571000E-03	3.2010000E-03
2.5584000E+03	2.4813000E-03	7.5504000E-01	1.8735000E-03	3.2293000E-03
2.5586000E+03	2.5054000E-03	7.5495000E-01	1.8915000E-03	3.2603000E-03
2.5588000E+03	2.5318000E-03	7.5487000E-01	1.9112000E-03	3.2943000E-03
2.5590000E+03	2.5607000E-03	7.5478000E-01	1.9327000E-03	3.3315000E-03
2.5592000E+03	2.5922000E-03	7.5470000E-01	1.9564000E-03	3.3722000E-03
2.5594000E+03	2.6266000E-03	7.5463000E-01	1.9821000E-03	3.4166000E-03
2.5596000E+03	2.6640000E-03	7.5455000E-01	2.0101000E-03	3.4649000E-03
2.5598000E+03	2.7045000E-03	7.5447000E-01	2.0405000E-03	3.5173000E-03
2.5600000E+03	2.7483000E-03	7.5440000E-01	2.0733000E-03	3.5739000E-03
2.5602000E+03	2.7955000E-03	7.5435000E-01	2.1088000E-03	3.6350000E-03
2.5604000E+03	2.8462000E-03	7.5430000E-01	2.1469000E-03	3.7006000E-03
2.5606000E+03	2.9003000E-03	7.5425000E-01	2.1876000E-03	3.7708000E-03
2.5608000E+03	2.9580000E-03	7.5420000E-01	2.2310000E-03	3.8455000E-03
2.5610000E+03	3.0194000E-03	7.5415000E-01	2.2770000E-03	3.9250000E-03
2.5612000E+03	3.0842000E-03	7.5409000E-01	2.3258000E-03	4.0090000E-03
2.5614000E+03	3.1526000E-03	7.5404000E-01	2.3772000E-03	4.0976000E-03
2.5616000E+03	3.2246000E-03	7.5398000E-01	2.4313000E-03	4.1908000E-03
2.5618000E+03	3.3000000E-03	7.5392000E-01	2.4879000E-03	4.2885000E-03
2.5620000E+03	3.3788000E-03	7.5386000E-01	2.5471000E-03	4.3905000E-03
2.5622000E+03	3.4608000E-03	7.5381000E-01	2.6088000E-03	4.4969000E-03
2.5624000E+03	3.5461000E-03	7.5377000E-01	2.6730000E-03	4.6074000E-03
2.5626000E+03	3.6345000E-03	7.5372000E-01	2.7394000E-03	4.7219000E-03
2.5628000E+03	3.7258000E-03	7.5367000E-01	2.8080000E-03	4.8403000E-03
2.5630000E+03	3.8200000E-03	7.5363000E-01	2.8788000E-03	4.9623000E-03
2.5632000E+03	3.9168000E-03	7.5357000E-01	2.9516000E-03	5.0877000E-03
2.5634000E+03	4.0162000E-03	7.5352000E-01	3.0263000E-03	5.2165000E-03
2.5636000E+03	4.1180000E-03	7.5346000E-01	3.1028000E-03	5.3483000E-03
2.5638000E+03	4.2221000E-03	7.5341000E-01	3.1810000E-03	5.4831000E-03
2.5640000E+03	4.3283000E-03	7.5336000E-01	3.2607000E-03	5.6206000E-03
2.5642000E+03	4.4364000E-03	7.5331000E-01	3.3420000E-03	5.7607000E-03
2.5644000E+03	4.5463000E-03	7.5327000E-01	3.4246000E-03	5.9031000E-03
2.5646000E+03	4.6579000E-03	7.5323000E-01	3.5085000E-03	6.0477000E-03
2.5648000E+03	4.7711000E-03	7.5319000E-01	3.5935000E-03	6.1942000E-03
2.5650000E+03	4.8855000E-03	7.5315000E-01	3.6795000E-03	6.3424000E-03
2.5652000E+03	5.0012000E-03	7.5311000E-01	3.7665000E-03	6.4923000E-03

2.5654000E+03	5.1180000E-03	7.5308000E-01	3.8542000E-03	6.6436000E-03
2.5656000E+03	5.2357000E-03	7.5304000E-01	3.9427000E-03	6.7960000E-03
2.5658000E+03	5.3541000E-03	7.5301000E-01	4.0317000E-03	6.9495000E-03
2.5660000E+03	5.4733000E-03	7.5297000E-01	4.1213000E-03	7.1039000E-03
2.5662000E+03	5.5930000E-03	7.5295000E-01	4.2113000E-03	7.2591000E-03
2.5664000E+03	5.7132000E-03	7.5293000E-01	4.3016000E-03	7.4148000E-03
2.5666000E+03	5.8337000E-03	7.5290000E-01	4.3922000E-03	7.5709000E-03
2.5668000E+03	5.9544000E-03	7.5288000E-01	4.4829000E-03	7.7273000E-03
2.5670000E+03	6.0752000E-03	7.5286000E-01	4.5737000E-03	7.8838000E-03
2.5672000E+03	6.1960000E-03	7.5284000E-01	4.6646000E-03	8.0404000E-03
2.5674000E+03	6.3167000E-03	7.5283000E-01	4.7554000E-03	8.1970000E-03
2.5676000E+03	6.4373000E-03	7.5282000E-01	4.8461000E-03	8.3533000E-03
2.5678000E+03	6.5576000E-03	7.5280000E-01	4.9366000E-03	8.5093000E-03
2.5680000E+03	6.6776000E-03	7.5279000E-01	5.0269000E-03	8.6649000E-03
2.5682000E+03	6.7973000E-03	7.5268000E-01	5.1162000E-03	8.8188000E-03
2.5684000E+03	6.9166000E-03	7.5256000E-01	5.2051000E-03	8.9722000E-03
2.5686000E+03	7.0353000E-03	7.5245000E-01	5.2937000E-03	9.1248000E-03
2.5688000E+03	7.1536000E-03	7.5233000E-01	5.3819000E-03	9.2768000E-03
2.5690000E+03	7.2713000E-03	7.5222000E-01	5.4696000E-03	9.4280000E-03
2.5692000E+03	7.3884000E-03	7.5209000E-01	5.5567000E-03	9.5783000E-03
2.5694000E+03	7.5049000E-03	7.5197000E-01	5.6435000E-03	9.7277000E-03
2.5696000E+03	7.6208000E-03	7.5185000E-01	5.7297000E-03	9.8763000E-03
2.5698000E+03	7.7361000E-03	7.5172000E-01	5.8154000E-03	1.0024000E-02
2.5700000E+03	7.8508000E-03	7.5160000E-01	5.9006000E-03	1.0171000E-02
2.5702000E+03	7.9649000E-03	7.5151000E-01	5.9857000E-03	1.0318000E-02
2.5704000E+03	8.0784000E-03	7.5143000E-01	6.0703000E-03	1.0463000E-02
2.5706000E+03	8.1913000E-03	7.5134000E-01	6.1545000E-03	1.0609000E-02
2.5708000E+03	8.3038000E-03	7.5125000E-01	6.2382000E-03	1.0753000E-02
2.5710000E+03	8.4157000E-03	7.5116000E-01	6.3216000E-03	1.0897000E-02
2.5712000E+03	8.5272000E-03	7.5107000E-01	6.4046000E-03	1.1040000E-02
2.5714000E+03	8.6384000E-03	7.5098000E-01	6.4873000E-03	1.1182000E-02
2.5716000E+03	8.7492000E-03	7.5089000E-01	6.5697000E-03	1.1324000E-02
2.5718000E+03	8.8598000E-03	7.5080000E-01	6.6519000E-03	1.1466000E-02
2.5720000E+03	8.9703000E-03	7.5070000E-01	6.7340000E-03	1.1608000E-02
2.5722000E+03	9.0807000E-03	7.5063000E-01	6.8162000E-03	1.1749000E-02
2.5724000E+03	9.1911000E-03	7.5055000E-01	6.8984000E-03	1.1891000E-02
2.5726000E+03	9.3016000E-03	7.5048000E-01	6.9807000E-03	1.2033000E-02
2.5728000E+03	9.4124000E-03	7.5040000E-01	7.0631000E-03	1.2175000E-02
2.5730000E+03	9.5236000E-03	7.5033000E-01	7.1458000E-03	1.2317000E-02
2.5732000E+03	9.6352000E-03	7.5025000E-01	7.2289000E-03	1.2461000E-02
2.5734000E+03	9.7475000E-03	7.5018000E-01	7.3124000E-03	1.2604000E-02
2.5736000E+03	9.8605000E-03	7.5010000E-01	7.3964000E-03	1.2749000E-02
2.5738000E+03	9.9744000E-03	7.5003000E-01	7.4811000E-03	1.2895000E-02

2.5740000E+03	1.0089000E-02	7.4996000E-01	7.5666000E-03	1.3043000E-02
2.5742000E+03	1.0206000E-02	7.4995000E-01	7.6536000E-03	1.3193000E-02
2.5744000E+03	1.0323000E-02	7.4993000E-01	7.7417000E-03	1.3345000E-02
2.5746000E+03	1.0442000E-02	7.4992000E-01	7.8310000E-03	1.3498000E-02
2.5748000E+03	1.0563000E-02	7.4991000E-01	7.9216000E-03	1.3655000E-02
2.5750000E+03	1.0686000E-02	7.4990000E-01	8.0136000E-03	1.3813000E-02
2.5752000E+03	1.0811000E-02	7.4989000E-01	8.1072000E-03	1.3975000E-02
2.5754000E+03	1.0939000E-02	7.4986000E-01	8.2023000E-03	1.4138000E-02
2.5756000E+03	1.1068000E-02	7.4982000E-01	8.2993000E-03	1.4306000E-02
2.5758000E+03	1.1201000E-02	7.4978000E-01	8.3982000E-03	1.4476000E-02
2.5760000E+03	1.1337000E-02	7.4973000E-01	8.4994000E-03	1.4651000E-02
2.5762000E+03	1.1475000E-02	7.4969000E-01	8.6030000E-03	1.4829000E-02
2.5764000E+03	1.1618000E-02	7.4964000E-01	8.7091000E-03	1.5012000E-02
2.5766000E+03	1.1764000E-02	7.4959000E-01	8.8180000E-03	1.5200000E-02
2.5768000E+03	1.1914000E-02	7.4955000E-01	8.9298000E-03	1.5392000E-02
2.5770000E+03	1.2068000E-02	7.4950000E-01	9.0447000E-03	1.5590000E-02
2.5772000E+03	1.2226000E-02	7.4944000E-01	9.1628000E-03	1.5794000E-02
2.5774000E+03	1.2389000E-02	7.4939000E-01	9.2844000E-03	1.6004000E-02
2.5776000E+03	1.2557000E-02	7.4933000E-01	9.4096000E-03	1.6219000E-02
2.5778000E+03	1.2731000E-02	7.4928000E-01	9.5387000E-03	1.6442000E-02
2.5780000E+03	1.2909000E-02	7.4922000E-01	9.6720000E-03	1.6672000E-02
2.5782000E+03	1.3094000E-02	7.4908000E-01	9.8083000E-03	1.6907000E-02
2.5784000E+03	1.3284000E-02	7.4893000E-01	9.9491000E-03	1.7149000E-02
2.5786000E+03	1.3481000E-02	7.4879000E-01	1.0095000E-02	1.7400000E-02
2.5788000E+03	1.3684000E-02	7.4865000E-01	1.0245000E-02	1.7659000E-02
2.5790000E+03	1.3894000E-02	7.4851000E-01	1.0400000E-02	1.7927000E-02
2.5792000E+03	1.4112000E-02	7.4837000E-01	1.0561000E-02	1.8204000E-02
2.5794000E+03	1.4336000E-02	7.4823000E-01	1.0727000E-02	1.8490000E-02
2.5796000E+03	1.4568000E-02	7.4809000E-01	1.0898000E-02	1.8785000E-02
2.5798000E+03	1.4808000E-02	7.4796000E-01	1.1076000E-02	1.9091000E-02
2.5800000E+03	1.5056000E-02	7.4782000E-01	1.1259000E-02	1.9407000E-02
2.5802000E+03	1.5312000E-02	7.4773000E-01	1.1449000E-02	1.9736000E-02
2.5804000E+03	1.5577000E-02	7.4764000E-01	1.1646000E-02	2.0075000E-02
2.5806000E+03	1.5851000E-02	7.4755000E-01	1.1849000E-02	2.0425000E-02
2.5808000E+03	1.6134000E-02	7.4746000E-01	1.2059000E-02	2.0787000E-02
2.5810000E+03	1.6426000E-02	7.4737000E-01	1.2276000E-02	2.1160000E-02
2.5812000E+03	1.6727000E-02	7.4728000E-01	1.2500000E-02	2.1546000E-02
2.5814000E+03	1.7038000E-02	7.4719000E-01	1.2731000E-02	2.1944000E-02
2.5816000E+03	1.7360000E-02	7.4710000E-01	1.2969000E-02	2.2355000E-02
2.5818000E+03	1.7691000E-02	7.4701000E-01	1.3215000E-02	2.2779000E-02
2.5820000E+03	1.8032000E-02	7.4692000E-01	1.3468000E-02	2.3216000E-02
2.5822000E+03	1.8384000E-02	7.4684000E-01	1.3730000E-02	2.3666000E-02
2.5824000E+03	1.8746000E-02	7.4677000E-01	1.3999000E-02	2.4130000E-02

2.5826000E+03	1.9119000E-02	7.4669000E-01	1.4276000E-02	2.4608000E-02
2.5828000E+03	1.9503000E-02	7.4662000E-01	1.4561000E-02	2.5099000E-02
2.5830000E+03	1.9897000E-02	7.4654000E-01	1.4854000E-02	2.5604000E-02
2.5832000E+03	2.0303000E-02	7.4646000E-01	1.5155000E-02	2.6124000E-02
2.5834000E+03	2.0720000E-02	7.4638000E-01	1.5465000E-02	2.6657000E-02
2.5836000E+03	2.1148000E-02	7.4630000E-01	1.5783000E-02	2.7205000E-02
2.5838000E+03	2.1587000E-02	7.4622000E-01	1.6109000E-02	2.7767000E-02
2.5840000E+03	2.2038000E-02	7.4614000E-01	1.6443000E-02	2.8344000E-02
2.5842000E+03	2.2500000E-02	7.4604000E-01	1.6786000E-02	2.8934000E-02
2.5844000E+03	2.2974000E-02	7.4595000E-01	1.7137000E-02	2.9539000E-02
2.5846000E+03	2.3458000E-02	7.4585000E-01	1.7496000E-02	3.0159000E-02
2.5848000E+03	2.3955000E-02	7.4575000E-01	1.7864000E-02	3.0793000E-02
2.5850000E+03	2.4463000E-02	7.4565000E-01	1.8241000E-02	3.1442000E-02
2.5852000E+03	2.4982000E-02	7.4555000E-01	1.8626000E-02	3.2105000E-02
2.5854000E+03	2.5513000E-02	7.4546000E-01	1.9019000E-02	3.2784000E-02
2.5856000E+03	2.6056000E-02	7.4536000E-01	1.9421000E-02	3.3477000E-02
2.5858000E+03	2.6610000E-02	7.4526000E-01	1.9832000E-02	3.4184000E-02
2.5860000E+03	2.7176000E-02	7.4517000E-01	2.0250000E-02	3.4906000E-02
2.5862000E+03	2.7753000E-02	7.4508000E-01	2.0678000E-02	3.5643000E-02
2.5864000E+03	2.8341000E-02	7.4499000E-01	2.1114000E-02	3.6395000E-02
2.5866000E+03	2.8941000E-02	7.4490000E-01	2.1558000E-02	3.7161000E-02
2.5868000E+03	2.9553000E-02	7.4481000E-01	2.2011000E-02	3.7941000E-02
2.5870000E+03	3.0176000E-02	7.4472000E-01	2.2472000E-02	3.8736000E-02
2.5872000E+03	3.0810000E-02	7.4462000E-01	2.2942000E-02	3.9545000E-02
2.5874000E+03	3.1456000E-02	7.4452000E-01	2.3420000E-02	4.0369000E-02
2.5876000E+03	3.2113000E-02	7.4442000E-01	2.3906000E-02	4.1207000E-02
2.5878000E+03	3.2782000E-02	7.4432000E-01	2.4400000E-02	4.2059000E-02
2.5880000E+03	3.3461000E-02	7.4422000E-01	2.4903000E-02	4.2925000E-02
2.5882000E+03	3.4153000E-02	7.4412000E-01	2.5414000E-02	4.3806000E-02
2.5884000E+03	3.4855000E-02	7.4401000E-01	2.5933000E-02	4.4701000E-02
2.5886000E+03	3.5570000E-02	7.4391000E-01	2.6460000E-02	4.5610000E-02
2.5888000E+03	3.6295000E-02	7.4380000E-01	2.6996000E-02	4.6534000E-02
2.5890000E+03	3.7032000E-02	7.4370000E-01	2.7541000E-02	4.7472000E-02
2.5892000E+03	3.7781000E-02	7.4358000E-01	2.8093000E-02	4.8425000E-02
2.5894000E+03	3.8541000E-02	7.4347000E-01	2.8654000E-02	4.9392000E-02
2.5896000E+03	3.9313000E-02	7.4336000E-01	2.9224000E-02	5.0374000E-02
2.5898000E+03	4.0097000E-02	7.4324000E-01	2.9802000E-02	5.1370000E-02
2.5900000E+03	4.0893000E-02	7.4313000E-01	3.0389000E-02	5.2382000E-02
2.5902000E+03	4.1701000E-02	7.4301000E-01	3.0984000E-02	5.3408000E-02
2.5904000E+03	4.2521000E-02	7.4288000E-01	3.1588000E-02	5.4449000E-02
2.5906000E+03	4.3354000E-02	7.4276000E-01	3.2201000E-02	5.5506000E-02
2.5908000E+03	4.4199000E-02	7.4263000E-01	3.2824000E-02	5.6579000E-02
2.5910000E+03	4.5057000E-02	7.4251000E-01	3.3455000E-02	5.7668000E-02

2.5912000E+03	4.5928000E-02	7.4238000E-01	3.4096000E-02	5.8772000E-02
2.5914000E+03	4.6813000E-02	7.4224000E-01	3.4747000E-02	5.9893000E-02
2.5916000E+03	4.7711000E-02	7.4211000E-01	3.5407000E-02	6.1031000E-02
2.5918000E+03	4.8623000E-02	7.4198000E-01	3.6077000E-02	6.2187000E-02
2.5920000E+03	4.9550000E-02	7.4184000E-01	3.6758000E-02	6.3360000E-02
2.5922000E+03	5.0416000E-02	7.4175000E-01	3.7396000E-02	6.4460000E-02
2.5924000E+03	5.1370000E-02	7.4166000E-01	3.8099000E-02	6.5671000E-02
2.5926000E+03	5.2339000E-02	7.4156000E-01	3.8813000E-02	6.6902000E-02
2.5928000E+03	5.3324000E-02	7.4147000E-01	3.9538000E-02	6.8153000E-02
2.5930000E+03	5.4325000E-02	7.4138000E-01	4.0275000E-02	6.9423000E-02
2.5932000E+03	5.5343000E-02	7.4128000E-01	4.1025000E-02	7.0716000E-02
2.5934000E+03	5.6378000E-02	7.4119000E-01	4.1787000E-02	7.2029000E-02
2.5936000E+03	5.7431000E-02	7.4110000E-01	4.2562000E-02	7.3366000E-02
2.5938000E+03	5.8503000E-02	7.4101000E-01	4.3351000E-02	7.4725000E-02
2.5940000E+03	5.9593000E-02	7.4092000E-01	4.4154000E-02	7.6108000E-02
2.5942000E+03	6.0704000E-02	7.4079000E-01	4.4968000E-02	7.7513000E-02
2.5944000E+03	6.1834000E-02	7.4066000E-01	4.5798000E-02	7.8942000E-02
2.5946000E+03	6.2986000E-02	7.4053000E-01	4.6643000E-02	8.0399000E-02
2.5948000E+03	6.4159000E-02	7.4040000E-01	4.7503000E-02	8.1882000E-02
2.5950000E+03	6.5355000E-02	7.4027000E-01	4.8380000E-02	8.3394000E-02
2.5952000E+03	6.6575000E-02	7.4015000E-01	4.9275000E-02	8.4936000E-02
2.5954000E+03	6.7819000E-02	7.4002000E-01	5.0187000E-02	8.6509000E-02
2.5956000E+03	6.9087000E-02	7.3990000E-01	5.1118000E-02	8.8113000E-02
2.5958000E+03	7.0382000E-02	7.3978000E-01	5.2067000E-02	8.9749000E-02
2.5960000E+03	7.1704000E-02	7.3965000E-01	5.3036000E-02	9.1420000E-02
2.5962000E+03	7.3054000E-02	7.3953000E-01	5.4026000E-02	9.3125000E-02
2.5964000E+03	7.4433000E-02	7.3940000E-01	5.5036000E-02	9.4866000E-02
2.5966000E+03	7.5842000E-02	7.3928000E-01	5.6068000E-02	9.6645000E-02
2.5968000E+03	7.7281000E-02	7.3915000E-01	5.7122000E-02	9.8463000E-02
2.5970000E+03	7.8753000E-02	7.3903000E-01	5.8200000E-02	1.0032000E-01
2.5972000E+03	8.0257000E-02	7.3890000E-01	5.9302000E-02	1.0222000E-01
2.5974000E+03	8.1796000E-02	7.3877000E-01	6.0428000E-02	1.0416000E-01
2.5976000E+03	8.3370000E-02	7.3864000E-01	6.1580000E-02	1.0615000E-01
2.5978000E+03	8.4981000E-02	7.3851000E-01	6.2759000E-02	1.0818000E-01
2.5980000E+03	8.6629000E-02	7.3838000E-01	6.3965000E-02	1.1026000E-01
2.5982000E+03	8.8316000E-02	7.3830000E-01	6.5204000E-02	1.1239000E-01
2.5984000E+03	9.0044000E-02	7.3823000E-01	6.6473000E-02	1.1458000E-01
2.5986000E+03	9.1812000E-02	7.3816000E-01	6.7772000E-02	1.1682000E-01
2.5988000E+03	9.3623000E-02	7.3808000E-01	6.9101000E-02	1.1911000E-01
2.5990000E+03	9.5477000E-02	7.3792000E-01	7.0454000E-02	1.2144000E-01
2.5992000E+03	9.7377000E-02	7.3765000E-01	7.1830000E-02	1.2381000E-01
2.5994000E+03	9.9322000E-02	7.3756000E-01	7.3257000E-02	1.2627000E-01
2.5996000E+03	1.0132000E-01	7.3748000E-01	7.4719000E-02	1.2879000E-01

2.5998000E+03	1.0336000E-01	7.3740000E-01	7.6216000E-02	1.3138000E-01
2.6000000E+03	1.0545000E-01	7.3732000E-01	7.7750000E-02	1.3402000E-01
2.6002000E+03	1.0759000E-01	7.3727000E-01	7.9325000E-02	1.3673000E-01
2.6004000E+03	1.0979000E-01	7.3721000E-01	8.0938000E-02	1.3951000E-01
2.6006000E+03	1.1204000E-01	7.3716000E-01	8.2590000E-02	1.4236000E-01
2.6008000E+03	1.1434000E-01	7.3711000E-01	8.4283000E-02	1.4528000E-01
2.6010000E+03	1.1670000E-01	7.3706000E-01	8.6017000E-02	1.4827000E-01
2.6012000E+03	1.1912000E-01	7.3700000E-01	8.7794000E-02	1.5133000E-01
2.6014000E+03	1.2160000E-01	7.3695000E-01	8.9614000E-02	1.5447000E-01
2.6016000E+03	1.2414000E-01	7.3690000E-01	9.1477000E-02	1.5768000E-01
2.6018000E+03	1.2674000E-01	7.3685000E-01	9.3385000E-02	1.6097000E-01
2.6020000E+03	1.2940000E-01	7.3680000E-01	9.5339000E-02	1.6434000E-01
2.6022000E+03	1.3212000E-01	7.3668000E-01	9.7331000E-02	1.6777000E-01
2.6024000E+03	1.3491000E-01	7.3657000E-01	9.9369000E-02	1.7128000E-01
2.6026000E+03	1.3776000E-01	7.3646000E-01	1.0146000E-01	1.7488000E-01
2.6028000E+03	1.4068000E-01	7.3634000E-01	1.0359000E-01	1.7856000E-01
2.6030000E+03	1.4367000E-01	7.3623000E-01	1.0578000E-01	1.8233000E-01
2.6032000E+03	1.4673000E-01	7.3612000E-01	1.0801000E-01	1.8618000E-01
2.6034000E+03	1.4986000E-01	7.3601000E-01	1.1030000E-01	1.9012000E-01
2.6036000E+03	1.5305000E-01	7.3590000E-01	1.1263000E-01	1.9414000E-01
2.6038000E+03	1.5632000E-01	7.3579000E-01	1.1502000E-01	1.9826000E-01
2.6040000E+03	1.5966000E-01	7.3568000E-01	1.1746000E-01	2.0247000E-01
2.6042000E+03	1.6307000E-01	7.3560000E-01	1.1996000E-01	2.0677000E-01
2.6044000E+03	1.6656000E-01	7.3551000E-01	1.2251000E-01	2.1117000E-01
2.6046000E+03	1.7012000E-01	7.3543000E-01	1.2511000E-01	2.1566000E-01
2.6048000E+03	1.7376000E-01	7.3534000E-01	1.2777000E-01	2.2024000E-01
2.6050000E+03	1.7747000E-01	7.3526000E-01	1.3048000E-01	2.2492000E-01
2.6052000E+03	1.8125000E-01	7.3517000E-01	1.3325000E-01	2.2969000E-01
2.6054000E+03	1.8511000E-01	7.3508000E-01	1.3608000E-01	2.3455000E-01
2.6056000E+03	1.8905000E-01	7.3500000E-01	1.3895000E-01	2.3952000E-01
2.6058000E+03	1.9307000E-01	7.3491000E-01	1.4189000E-01	2.4458000E-01
2.6060000E+03	1.9716000E-01	7.3482000E-01	1.4488000E-01	2.4973000E-01
2.6062000E+03	2.0133000E-01	7.3475000E-01	1.4793000E-01	2.5498000E-01
2.6064000E+03	2.0558000E-01	7.3467000E-01	1.5103000E-01	2.6033000E-01
2.6066000E+03	2.0990000E-01	7.3459000E-01	1.5419000E-01	2.6578000E-01
2.6068000E+03	2.1430000E-01	7.3451000E-01	1.5741000E-01	2.7133000E-01
2.6070000E+03	2.1878000E-01	7.3443000E-01	1.6068000E-01	2.7697000E-01
2.6072000E+03	2.2333000E-01	7.3434000E-01	1.6400000E-01	2.8269000E-01
2.6074000E+03	2.2797000E-01	7.3424000E-01	1.6738000E-01	2.8852000E-01
2.6076000E+03	2.3267000E-01	7.3415000E-01	1.7082000E-01	2.9444000E-01
2.6078000E+03	2.3745000E-01	7.3406000E-01	1.7431000E-01	3.0045000E-01
2.6080000E+03	2.4231000E-01	7.3397000E-01	1.7785000E-01	3.0656000E-01
2.6082000E+03	2.4724000E-01	7.3386000E-01	1.8144000E-01	3.1275000E-01

2.6084000E+03	2.5225000E-01	7.3375000E-01	1.8509000E-01	3.1904000E-01
2.6086000E+03	2.5733000E-01	7.3364000E-01	1.8878000E-01	3.2541000E-01
2.6088000E+03	2.6248000E-01	7.3353000E-01	1.9253000E-01	3.3187000E-01
2.6090000E+03	2.6770000E-01	7.3342000E-01	1.9633000E-01	3.3842000E-01
2.6092000E+03	2.7299000E-01	7.3330000E-01	2.0018000E-01	3.4506000E-01
2.6094000E+03	2.7835000E-01	7.3317000E-01	2.0408000E-01	3.5177000E-01
2.6096000E+03	2.8377000E-01	7.3305000E-01	2.0802000E-01	3.5857000E-01
2.6098000E+03	2.8927000E-01	7.3293000E-01	2.1201000E-01	3.6545000E-01
2.6100000E+03	2.9482000E-01	7.3281000E-01	2.1605000E-01	3.7241000E-01
2.6102000E+03	3.0045000E-01	7.3268000E-01	2.2013000E-01	3.7945000E-01
2.6104000E+03	3.0613000E-01	7.3256000E-01	2.2426000E-01	3.8656000E-01
2.6106000E+03	3.1187000E-01	7.3244000E-01	2.2843000E-01	3.9375000E-01
2.6108000E+03	3.1768000E-01	7.3232000E-01	2.3264000E-01	4.0100000E-01
2.6110000E+03	3.2353000E-01	7.3219000E-01	2.3689000E-01	4.0833000E-01
2.6112000E+03	3.2945000E-01	7.3206000E-01	2.4118000E-01	4.1572000E-01
2.6114000E+03	3.3542000E-01	7.3193000E-01	2.4550000E-01	4.2318000E-01
2.6116000E+03	3.4143000E-01	7.3180000E-01	2.4986000E-01	4.3069000E-01
2.6118000E+03	3.4750000E-01	7.3167000E-01	2.5426000E-01	4.3826000E-01
2.6120000E+03	3.5362000E-01	7.3153000E-01	2.5868000E-01	4.4590000E-01
2.6122000E+03	3.5978000E-01	7.3142000E-01	2.6315000E-01	4.5359000E-01
2.6124000E+03	3.6598000E-01	7.3130000E-01	2.6764000E-01	4.6134000E-01
2.6126000E+03	3.7222000E-01	7.3119000E-01	2.7216000E-01	4.6913000E-01
2.6128000E+03	3.7850000E-01	7.3107000E-01	2.7671000E-01	4.7697000E-01
2.6130000E+03	3.8481000E-01	7.3096000E-01	2.8128000E-01	4.8485000E-01
2.6132000E+03	3.9116000E-01	7.3085000E-01	2.8588000E-01	4.9278000E-01
2.6134000E+03	3.9754000E-01	7.3074000E-01	2.9050000E-01	5.0074000E-01
2.6136000E+03	4.0394000E-01	7.3063000E-01	2.9514000E-01	5.0873000E-01
2.6138000E+03	4.1037000E-01	7.3053000E-01	2.9979000E-01	5.1675000E-01
2.6140000E+03	4.1683000E-01	7.3042000E-01	3.0446000E-01	5.2480000E-01
2.6142000E+03	4.2330000E-01	7.3034000E-01	3.0915000E-01	5.3289000E-01
2.6144000E+03	4.2979000E-01	7.3026000E-01	3.1386000E-01	5.4100000E-01
2.6146000E+03	4.3629000E-01	7.3017000E-01	3.1857000E-01	5.4912000E-01
2.6148000E+03	4.4281000E-01	7.3009000E-01	3.2329000E-01	5.5726000E-01
2.6150000E+03	4.4933000E-01	7.3001000E-01	3.2802000E-01	5.6541000E-01
2.6152000E+03	4.5586000E-01	7.2994000E-01	3.3275000E-01	5.7357000E-01
2.6154000E+03	4.6239000E-01	7.2987000E-01	3.3748000E-01	5.8173000E-01
2.6156000E+03	4.6892000E-01	7.2980000E-01	3.4222000E-01	5.8989000E-01
2.6158000E+03	4.7545000E-01	7.2973000E-01	3.4695000E-01	5.9804000E-01
2.6160000E+03	4.8197000E-01	7.2966000E-01	3.5167000E-01	6.0618000E-01
2.6162000E+03	4.8848000E-01	7.2951000E-01	3.5635000E-01	6.1425000E-01
2.6164000E+03	4.9497000E-01	7.2937000E-01	3.6102000E-01	6.2229000E-01
2.6166000E+03	5.0146000E-01	7.2922000E-01	3.6567000E-01	6.3032000E-01
2.6168000E+03	5.0792000E-01	7.2908000E-01	3.7031000E-01	6.3832000E-01

2.6170000E+03	5.1437000E-01	7.2893000E-01	3.7494000E-01	6.4629000E-01
2.6172000E+03	5.2078000E-01	7.2877000E-01	3.7953000E-01	6.5421000E-01
2.6174000E+03	5.2718000E-01	7.2862000E-01	3.8411000E-01	6.6210000E-01
2.6176000E+03	5.3354000E-01	7.2846000E-01	3.8866000E-01	6.6994000E-01
2.6178000E+03	5.3987000E-01	7.2830000E-01	3.9319000E-01	6.7774000E-01
2.6180000E+03	5.4616000E-01	7.2815000E-01	3.9768000E-01	6.8549000E-01
2.6182000E+03	5.5241000E-01	7.2797000E-01	4.0214000E-01	6.9318000E-01
2.6184000E+03	5.5863000E-01	7.2780000E-01	4.0657000E-01	7.0081000E-01
2.6186000E+03	5.6479000E-01	7.2762000E-01	4.1096000E-01	7.0837000E-01
2.6188000E+03	5.7091000E-01	7.2745000E-01	4.1531000E-01	7.1588000E-01
2.6190000E+03	5.7699000E-01	7.2727000E-01	4.1963000E-01	7.2332000E-01
2.6192000E+03	5.8300000E-01	7.2710000E-01	4.2390000E-01	7.3068000E-01
2.6194000E+03	5.8896000E-01	7.2692000E-01	4.2813000E-01	7.3797000E-01
2.6196000E+03	5.9487000E-01	7.2674000E-01	4.3231000E-01	7.4518000E-01
2.6198000E+03	6.0071000E-01	7.2656000E-01	4.3645000E-01	7.5232000E-01
2.6200000E+03	6.0649000E-01	7.2637000E-01	4.4054000E-01	7.5937000E-01
2.6202000E+03	6.1221000E-01	7.2629000E-01	4.4464000E-01	7.6643000E-01
2.6204000E+03	6.1786000E-01	7.2620000E-01	4.4869000E-01	7.7341000E-01
2.6206000E+03	6.2344000E-01	7.2611000E-01	4.5268000E-01	7.8029000E-01
2.6208000E+03	6.2894000E-01	7.2602000E-01	4.5662000E-01	7.8709000E-01
2.6210000E+03	6.3437000E-01	7.2593000E-01	4.6051000E-01	7.9379000E-01
2.6212000E+03	6.3973000E-01	7.2584000E-01	4.6434000E-01	8.0039000E-01
2.6214000E+03	6.4500000E-01	7.2576000E-01	4.6812000E-01	8.0690000E-01
2.6216000E+03	6.5020000E-01	7.2568000E-01	4.7184000E-01	8.1331000E-01
2.6218000E+03	6.5531000E-01	7.2560000E-01	4.7549000E-01	8.1961000E-01
2.6220000E+03	6.6034000E-01	7.2551000E-01	4.7909000E-01	8.2581000E-01
2.6222000E+03	6.6529000E-01	7.2541000E-01	4.8261000E-01	8.3187000E-01
2.6224000E+03	6.7014000E-01	7.2531000E-01	4.8606000E-01	8.3783000E-01
2.6226000E+03	6.7491000E-01	7.2520000E-01	4.8945000E-01	8.4367000E-01
2.6228000E+03	6.7959000E-01	7.2510000E-01	4.9277000E-01	8.4940000E-01
2.6230000E+03	6.8417000E-01	7.2500000E-01	4.9603000E-01	8.5501000E-01
2.6232000E+03	6.8867000E-01	7.2490000E-01	4.9922000E-01	8.6051000E-01
2.6234000E+03	6.9307000E-01	7.2481000E-01	5.0234000E-01	8.6589000E-01
2.6236000E+03	6.9737000E-01	7.2471000E-01	5.0539000E-01	8.7116000E-01
2.6238000E+03	7.0158000E-01	7.2462000E-01	5.0838000E-01	8.7630000E-01
2.6240000E+03	7.0569000E-01	7.2452000E-01	5.1129000E-01	8.8132000E-01
2.6242000E+03	7.0971000E-01	7.2439000E-01	5.1411000E-01	8.8618000E-01
2.6244000E+03	7.1362000E-01	7.2427000E-01	5.1685000E-01	8.9091000E-01
2.6246000E+03	7.1744000E-01	7.2414000E-01	5.1952000E-01	8.9551000E-01
2.6248000E+03	7.2116000E-01	7.2401000E-01	5.2213000E-01	9.0000000E-01
2.6250000E+03	7.2478000E-01	7.2388000E-01	5.2465000E-01	9.0435000E-01
2.6252000E+03	7.2829000E-01	7.2375000E-01	5.2710000E-01	9.0857000E-01
2.6254000E+03	7.3171000E-01	7.2361000E-01	5.2948000E-01	9.1267000E-01

2.6256000E+03	7.3503000E-01	7.2348000E-01	5.3178000E-01	9.1664000E-01
2.6258000E+03	7.3825000E-01	7.2335000E-01	5.3401000E-01	9.2048000E-01
2.6260000E+03	7.4136000E-01	7.2321000E-01	5.3616000E-01	9.2420000E-01
2.6262000E+03	7.4438000E-01	7.2312000E-01	5.3828000E-01	9.2784000E-01
2.6264000E+03	7.4730000E-01	7.2303000E-01	5.4032000E-01	9.3136000E-01
2.6266000E+03	7.5012000E-01	7.2294000E-01	5.4229000E-01	9.3475000E-01
2.6268000E+03	7.5284000E-01	7.2284000E-01	5.4418000E-01	9.3802000E-01
2.6270000E+03	7.5546000E-01	7.2275000E-01	5.4601000E-01	9.4116000E-01
2.6272000E+03	7.5798000E-01	7.2265000E-01	5.4775000E-01	9.4417000E-01
2.6274000E+03	7.6041000E-01	7.2254000E-01	5.4943000E-01	9.4706000E-01
2.6276000E+03	7.6274000E-01	7.2244000E-01	5.5103000E-01	9.4983000E-01
2.6278000E+03	7.6498000E-01	7.2234000E-01	5.5257000E-01	9.5247000E-01
2.6280000E+03	7.6712000E-01	7.2223000E-01	5.5404000E-01	9.5500000E-01
2.6282000E+03	7.6917000E-01	7.2213000E-01	5.5544000E-01	9.5742000E-01
2.6284000E+03	7.7112000E-01	7.2202000E-01	5.5677000E-01	9.5971000E-01
2.6286000E+03	7.7299000E-01	7.2192000E-01	5.5804000E-01	9.6190000E-01
2.6288000E+03	7.7477000E-01	7.2182000E-01	5.5924000E-01	9.6397000E-01
2.6290000E+03	7.7645000E-01	7.2171000E-01	5.6037000E-01	9.6593000E-01
2.6292000E+03	7.7805000E-01	7.2161000E-01	5.6145000E-01	9.6778000E-01
2.6294000E+03	7.7957000E-01	7.2151000E-01	5.6246000E-01	9.6953000E-01
2.6296000E+03	7.8100000E-01	7.2140000E-01	5.6342000E-01	9.7117000E-01
2.6298000E+03	7.8235000E-01	7.2130000E-01	5.6431000E-01	9.7271000E-01
2.6300000E+03	7.8362000E-01	7.2120000E-01	5.6515000E-01	9.7415000E-01
2.6302000E+03	7.8481000E-01	7.2111000E-01	5.6594000E-01	9.7552000E-01
2.6304000E+03	7.8593000E-01	7.2102000E-01	5.6667000E-01	9.7678000E-01
2.6306000E+03	7.8697000E-01	7.2094000E-01	5.6735000E-01	9.7795000E-01
2.6308000E+03	7.8793000E-01	7.2085000E-01	5.6798000E-01	9.7903000E-01
2.6310000E+03	7.8882000E-01	7.2076000E-01	5.6855000E-01	9.8002000E-01
2.6312000E+03	7.8965000E-01	7.2067000E-01	5.6908000E-01	9.8093000E-01
2.6314000E+03	7.9041000E-01	7.2058000E-01	5.6955000E-01	9.8175000E-01
2.6316000E+03	7.9110000E-01	7.2049000E-01	5.6998000E-01	9.8249000E-01
2.6318000E+03	7.9173000E-01	7.2041000E-01	5.7036000E-01	9.8315000E-01
2.6320000E+03	7.9229000E-01	7.2032000E-01	5.7070000E-01	9.8373000E-01
2.6322000E+03	7.9280000E-01	7.2025000E-01	5.7101000E-01	9.8426000E-01
2.6324000E+03	7.9325000E-01	7.2018000E-01	5.7128000E-01	9.8472000E-01
2.6326000E+03	7.9365000E-01	7.2011000E-01	5.7151000E-01	9.8512000E-01
2.6328000E+03	7.9399000E-01	7.2004000E-01	5.7170000E-01	9.8545000E-01
2.6330000E+03	7.9428000E-01	7.1997000E-01	5.7185000E-01	9.8571000E-01
2.6332000E+03	7.9452000E-01	7.1989000E-01	5.7197000E-01	9.8592000E-01
2.6334000E+03	7.9472000E-01	7.1982000E-01	5.7206000E-01	9.8606000E-01
2.6336000E+03	7.9487000E-01	7.1975000E-01	5.7211000E-01	9.8615000E-01
2.6338000E+03	7.9498000E-01	7.1967000E-01	5.7213000E-01	9.8619000E-01
2.6340000E+03	7.9505000E-01	7.1960000E-01	5.7212000E-01	9.8618000E-01

2.6342000E+03	7.9509000E-01	7.1945000E-01	5.7202000E-01	9.8601000E-01
2.6344000E+03	7.9508000E-01	7.1930000E-01	5.7190000E-01	9.8580000E-01
2.6346000E+03	7.9505000E-01	7.1915000E-01	5.7176000E-01	9.8555000E-01
2.6348000E+03	7.9498000E-01	7.1900000E-01	5.7159000E-01	9.8525000E-01
2.6350000E+03	7.9488000E-01	7.1885000E-01	5.7140000E-01	9.8493000E-01
2.6352000E+03	7.9476000E-01	7.1869000E-01	5.7119000E-01	9.8457000E-01
2.6354000E+03	7.9461000E-01	7.1854000E-01	5.7096000E-01	9.8417000E-01
2.6356000E+03	7.9444000E-01	7.1839000E-01	5.7071000E-01	9.8375000E-01
2.6358000E+03	7.9424000E-01	7.1824000E-01	5.7045000E-01	9.8330000E-01
2.6360000E+03	7.9403000E-01	7.1808000E-01	5.7018000E-01	9.8283000E-01
2.6362000E+03	7.9380000E-01	7.1795000E-01	5.6991000E-01	9.8236000E-01
2.6364000E+03	7.9356000E-01	7.1781000E-01	5.6962000E-01	9.8187000E-01
2.6366000E+03	7.9330000E-01	7.1768000E-01	5.6933000E-01	9.8137000E-01
2.6368000E+03	7.9303000E-01	7.1754000E-01	5.6903000E-01	9.8085000E-01
2.6370000E+03	7.9275000E-01	7.1743000E-01	5.6874000E-01	9.8034000E-01
2.6372000E+03	7.9246000E-01	7.1730000E-01	5.6843000E-01	9.7982000E-01
2.6374000E+03	7.9217000E-01	7.1718000E-01	5.6812000E-01	9.7928000E-01
2.6376000E+03	7.9187000E-01	7.1705000E-01	5.6781000E-01	9.7874000E-01
2.6378000E+03	7.9157000E-01	7.1693000E-01	5.6749000E-01	9.7820000E-01
2.6380000E+03	7.9126000E-01	7.1680000E-01	5.6718000E-01	9.7766000E-01
2.6382000E+03	7.9096000E-01	7.1669000E-01	5.6687000E-01	9.7713000E-01
2.6384000E+03	7.9066000E-01	7.1658000E-01	5.6657000E-01	9.7661000E-01
2.6386000E+03	7.9036000E-01	7.1647000E-01	5.6627000E-01	9.7608000E-01
2.6388000E+03	7.9007000E-01	7.1636000E-01	5.6597000E-01	9.7557000E-01
2.6390000E+03	7.8978000E-01	7.1624000E-01	5.6567000E-01	9.7506000E-01
2.6392000E+03	7.8950000E-01	7.1614000E-01	5.6539000E-01	9.7457000E-01
2.6394000E+03	7.8922000E-01	7.1603000E-01	5.6511000E-01	9.7408000E-01
2.6396000E+03	7.8896000E-01	7.1592000E-01	5.6483000E-01	9.7361000E-01
2.6398000E+03	7.8870000E-01	7.1581000E-01	5.6457000E-01	9.7315000E-01
2.6400000E+03	7.8846000E-01	7.1571000E-01	5.6431000E-01	9.7271000E-01
2.6402000E+03	7.8823000E-01	7.1560000E-01	5.6406000E-01	9.7228000E-01
2.6404000E+03	7.8802000E-01	7.1549000E-01	5.6382000E-01	9.7186000E-01
2.6406000E+03	7.8781000E-01	7.1538000E-01	5.6359000E-01	9.7146000E-01
2.6408000E+03	7.8762000E-01	7.1528000E-01	5.6337000E-01	9.7109000E-01
2.6410000E+03	7.8745000E-01	7.1517000E-01	5.6316000E-01	9.7073000E-01
2.6412000E+03	7.8729000E-01	7.1506000E-01	5.6297000E-01	9.7039000E-01
2.6414000E+03	7.8715000E-01	7.1496000E-01	5.6278000E-01	9.7008000E-01
2.6416000E+03	7.8703000E-01	7.1486000E-01	5.6261000E-01	9.6978000E-01
2.6418000E+03	7.8693000E-01	7.1475000E-01	5.6246000E-01	9.6951000E-01
2.6420000E+03	7.8684000E-01	7.1465000E-01	5.6231000E-01	9.6926000E-01
2.6422000E+03	7.8677000E-01	7.1455000E-01	5.6219000E-01	9.6905000E-01
2.6424000E+03	7.8672000E-01	7.1445000E-01	5.6208000E-01	9.6886000E-01
2.6426000E+03	7.8669000E-01	7.1436000E-01	5.6198000E-01	9.6869000E-01

2.6428000E+03	7.8668000E-01	7.1426000E-01	5.6189000E-01	9.6855000E-01
2.6430000E+03	7.8669000E-01	7.1416000E-01	5.6183000E-01	9.6843000E-01
2.6432000E+03	7.8672000E-01	7.1407000E-01	5.6177000E-01	9.6834000E-01
2.6434000E+03	7.8677000E-01	7.1397000E-01	5.6173000E-01	9.6827000E-01
2.6436000E+03	7.8684000E-01	7.1388000E-01	5.6171000E-01	9.6823000E-01
2.6438000E+03	7.8693000E-01	7.1378000E-01	5.6170000E-01	9.6821000E-01
2.6440000E+03	7.8704000E-01	7.1369000E-01	5.6170000E-01	9.6821000E-01
2.6442000E+03	7.8717000E-01	7.1361000E-01	5.6173000E-01	9.6827000E-01
2.6444000E+03	7.8732000E-01	7.1353000E-01	5.6178000E-01	9.6835000E-01
2.6446000E+03	7.8749000E-01	7.1347000E-01	5.6185000E-01	9.6847000E-01
2.6448000E+03	7.8768000E-01	7.1341000E-01	5.6194000E-01	9.6862000E-01
2.6450000E+03	7.8788000E-01	7.1335000E-01	5.6204000E-01	9.6879000E-01
2.6452000E+03	7.8811000E-01	7.1328000E-01	5.6214000E-01	9.6898000E-01
2.6454000E+03	7.8835000E-01	7.1322000E-01	5.6227000E-01	9.6919000E-01
2.6456000E+03	7.8861000E-01	7.1315000E-01	5.6240000E-01	9.6942000E-01
2.6458000E+03	7.8889000E-01	7.1308000E-01	5.6255000E-01	9.6967000E-01
2.6460000E+03	7.8919000E-01	7.1302000E-01	5.6271000E-01	9.6994000E-01
2.6462000E+03	7.8950000E-01	7.1300000E-01	5.6291000E-01	9.7030000E-01
2.6464000E+03	7.8983000E-01	7.1298000E-01	5.6313000E-01	9.7068000E-01
2.6466000E+03	7.9018000E-01	7.1296000E-01	5.6337000E-01	9.7108000E-01
2.6468000E+03	7.9053000E-01	7.1294000E-01	5.6361000E-01	9.7150000E-01
2.6470000E+03	7.9091000E-01	7.1293000E-01	5.6386000E-01	9.7193000E-01
2.6472000E+03	7.9130000E-01	7.1289000E-01	5.6411000E-01	9.7237000E-01
2.6474000E+03	7.9170000E-01	7.1286000E-01	5.6437000E-01	9.7282000E-01
2.6476000E+03	7.9211000E-01	7.1283000E-01	5.6464000E-01	9.7328000E-01
2.6478000E+03	7.9254000E-01	7.1280000E-01	5.6492000E-01	9.7376000E-01
2.6480000E+03	7.9298000E-01	7.1277000E-01	5.6521000E-01	9.7426000E-01
2.6482000E+03	7.9343000E-01	7.1267000E-01	5.6545000E-01	9.7468000E-01
2.6484000E+03	7.9388000E-01	7.1258000E-01	5.6571000E-01	9.7512000E-01
2.6486000E+03	7.9435000E-01	7.1249000E-01	5.6597000E-01	9.7557000E-01
2.6488000E+03	7.9483000E-01	7.1239000E-01	5.6623000E-01	9.7602000E-01
2.6490000E+03	7.9531000E-01	7.1230000E-01	5.6650000E-01	9.7649000E-01
2.6492000E+03	7.9581000E-01	7.1221000E-01	5.6678000E-01	9.7697000E-01
2.6494000E+03	7.9631000E-01	7.1212000E-01	5.6707000E-01	9.7746000E-01
2.6496000E+03	7.9681000E-01	7.1203000E-01	5.6736000E-01	9.7796000E-01
2.6498000E+03	7.9732000E-01	7.1194000E-01	5.6765000E-01	9.7846000E-01
2.6500000E+03	7.9783000E-01	7.1185000E-01	5.6794000E-01	9.7897000E-01
2.6502000E+03	7.9835000E-01	7.1174000E-01	5.6822000E-01	9.7945000E-01
2.6504000E+03	7.9887000E-01	7.1162000E-01	5.6850000E-01	9.7993000E-01
2.6506000E+03	7.9940000E-01	7.1151000E-01	5.6878000E-01	9.8041000E-01
2.6508000E+03	7.9993000E-01	7.1139000E-01	5.6906000E-01	9.8090000E-01
2.6510000E+03	8.0045000E-01	7.1127000E-01	5.6934000E-01	9.8138000E-01
2.6512000E+03	8.0098000E-01	7.1116000E-01	5.6963000E-01	9.8187000E-01

2.6514000E+03	8.0151000E-01	7.1105000E-01	5.6991000E-01	9.8236000E-01
2.6516000E+03	8.0204000E-01	7.1093000E-01	5.7019000E-01	9.8285000E-01
2.6518000E+03	8.0256000E-01	7.1082000E-01	5.7048000E-01	9.8334000E-01
2.6520000E+03	8.0309000E-01	7.1071000E-01	5.7076000E-01	9.8383000E-01
2.6522000E+03	8.0361000E-01	7.1062000E-01	5.7106000E-01	9.8435000E-01
2.6524000E+03	8.0413000E-01	7.1054000E-01	5.7136000E-01	9.8486000E-01
2.6526000E+03	8.0464000E-01	7.1045000E-01	5.7166000E-01	9.8537000E-01
2.6528000E+03	8.0515000E-01	7.1036000E-01	5.7195000E-01	9.8588000E-01
2.6530000E+03	8.0566000E-01	7.1028000E-01	5.7224000E-01	9.8638000E-01
2.6532000E+03	8.0616000E-01	7.1019000E-01	5.7252000E-01	9.8687000E-01
2.6534000E+03	8.0665000E-01	7.1010000E-01	5.7280000E-01	9.8735000E-01
2.6536000E+03	8.0714000E-01	7.1001000E-01	5.7308000E-01	9.8783000E-01
2.6538000E+03	8.0762000E-01	7.0992000E-01	5.7335000E-01	9.8830000E-01
2.6540000E+03	8.0810000E-01	7.0984000E-01	5.7362000E-01	9.8876000E-01
2.6542000E+03	8.0857000E-01	7.0978000E-01	5.7391000E-01	9.8925000E-01
2.6544000E+03	8.0903000E-01	7.0973000E-01	5.7419000E-01	9.8974000E-01
2.6546000E+03	8.0948000E-01	7.0967000E-01	5.7447000E-01	9.9022000E-01
2.6548000E+03	8.0993000E-01	7.0962000E-01	5.7474000E-01	9.9069000E-01
2.6550000E+03	8.1036000E-01	7.0958000E-01	5.7502000E-01	9.9116000E-01
2.6552000E+03	8.1079000E-01	7.0956000E-01	5.7530000E-01	9.9166000E-01
2.6554000E+03	8.1120000E-01	7.0955000E-01	5.7558000E-01	9.9214000E-01
2.6556000E+03	8.1161000E-01	7.0953000E-01	5.7586000E-01	9.9262000E-01
2.6558000E+03	8.1201000E-01	7.0951000E-01	5.7613000E-01	9.9308000E-01
2.6560000E+03	8.1239000E-01	7.0949000E-01	5.7639000E-01	9.9353000E-01
2.6562000E+03	8.1277000E-01	7.0947000E-01	5.7663000E-01	9.9395000E-01
2.6564000E+03	8.1313000E-01	7.0944000E-01	5.7687000E-01	9.9436000E-01
2.6566000E+03	8.1349000E-01	7.0941000E-01	5.7710000E-01	9.9475000E-01
2.6568000E+03	8.1383000E-01	7.0938000E-01	5.7732000E-01	9.9514000E-01
2.6570000E+03	8.1417000E-01	7.0935000E-01	5.7753000E-01	9.9550000E-01
2.6572000E+03	8.1449000E-01	7.0933000E-01	5.7774000E-01	9.9587000E-01
2.6574000E+03	8.1480000E-01	7.0931000E-01	5.7795000E-01	9.9621000E-01
2.6576000E+03	8.1510000E-01	7.0929000E-01	5.7814000E-01	9.9655000E-01
2.6578000E+03	8.1539000E-01	7.0927000E-01	5.7833000E-01	9.9687000E-01
2.6580000E+03	8.1566000E-01	7.0924000E-01	5.7850000E-01	9.9718000E-01
2.6582000E+03	8.1593000E-01	7.0920000E-01	5.7866000E-01	9.9744000E-01
2.6584000E+03	8.1618000E-01	7.0916000E-01	5.7881000E-01	9.9770000E-01
2.6586000E+03	8.1642000E-01	7.0912000E-01	5.7894000E-01	9.9793000E-01
2.6588000E+03	8.1665000E-01	7.0908000E-01	5.7907000E-01	9.9816000E-01
2.6590000E+03	8.1687000E-01	7.0904000E-01	5.7919000E-01	9.9837000E-01
2.6592000E+03	8.1708000E-01	7.0900000E-01	5.7931000E-01	9.9856000E-01
2.6594000E+03	8.1727000E-01	7.0896000E-01	5.7941000E-01	9.9874000E-01
2.6596000E+03	8.1746000E-01	7.0891000E-01	5.7951000E-01	9.9891000E-01
2.6598000E+03	8.1763000E-01	7.0887000E-01	5.7960000E-01	9.9906000E-01

2.6600000E+03	8.1779000E-01	7.0883000E-01	5.7968000E-01	9.9920000E-01
2.6602000E+03	8.1794000E-01	7.0881000E-01	5.7976000E-01	9.9935000E-01
2.6604000E+03	8.1808000E-01	7.0878000E-01	5.7984000E-01	9.9948000E-01
2.6606000E+03	8.1821000E-01	7.0876000E-01	5.7991000E-01	9.9960000E-01
2.6608000E+03	8.1832000E-01	7.0873000E-01	5.7997000E-01	9.9971000E-01
2.6610000E+03	8.1843000E-01	7.0871000E-01	5.8003000E-01	9.9980000E-01
2.6612000E+03	8.1852000E-01	7.0868000E-01	5.8007000E-01	9.9987000E-01
2.6614000E+03	8.1860000E-01	7.0864000E-01	5.8010000E-01	9.9992000E-01
2.6616000E+03	8.1867000E-01	7.0861000E-01	5.8012000E-01	9.9996000E-01
2.6618000E+03	8.1873000E-01	7.0857000E-01	5.8013000E-01	9.9999000E-01
2.6620000E+03	8.1878000E-01	7.0854000E-01	5.8014000E-01	1.0000000E+00
2.6622000E+03	8.1882000E-01	7.0850000E-01	5.8014000E-01	9.9999000E-01
2.6624000E+03	8.1885000E-01	7.0846000E-01	5.8012000E-01	9.9997000E-01
2.6626000E+03	8.1887000E-01	7.0842000E-01	5.8010000E-01	9.9993000E-01
2.6628000E+03	8.1887000E-01	7.0838000E-01	5.8007000E-01	9.9988000E-01
2.6630000E+03	8.1887000E-01	7.0834000E-01	5.8004000E-01	9.9982000E-01
2.6632000E+03	8.1885000E-01	7.0830000E-01	5.7999000E-01	9.9974000E-01
2.6634000E+03	8.1883000E-01	7.0825000E-01	5.7994000E-01	9.9965000E-01
2.6636000E+03	8.1879000E-01	7.0821000E-01	5.7988000E-01	9.9954000E-01
2.6638000E+03	8.1875000E-01	7.0817000E-01	5.7981000E-01	9.9943000E-01
2.6640000E+03	8.1869000E-01	7.0812000E-01	5.7973000E-01	9.9930000E-01
2.6642000E+03	8.1862000E-01	7.0804000E-01	5.7962000E-01	9.9910000E-01
2.6644000E+03	8.1854000E-01	7.0796000E-01	5.7950000E-01	9.9889000E-01
2.6646000E+03	8.1846000E-01	7.0789000E-01	5.7937000E-01	9.9868000E-01
2.6648000E+03	8.1836000E-01	7.0781000E-01	5.7924000E-01	9.9844000E-01
2.6650000E+03	8.1825000E-01	7.0773000E-01	5.7910000E-01	9.9820000E-01
2.6652000E+03	8.1813000E-01	7.0765000E-01	5.7895000E-01	9.9795000E-01
2.6654000E+03	8.1800000E-01	7.0758000E-01	5.7880000E-01	9.9768000E-01
2.6656000E+03	8.1786000E-01	7.0750000E-01	5.7864000E-01	9.9741000E-01
2.6658000E+03	8.1771000E-01	7.0743000E-01	5.7847000E-01	9.9712000E-01
2.6660000E+03	8.1754000E-01	7.0735000E-01	5.7829000E-01	9.9681000E-01
2.6662000E+03	8.1737000E-01	7.0729000E-01	5.7812000E-01	9.9651000E-01
2.6664000E+03	8.1719000E-01	7.0722000E-01	5.7794000E-01	9.9620000E-01
2.6666000E+03	8.1699000E-01	7.0716000E-01	5.7774000E-01	9.9587000E-01
2.6668000E+03	8.1679000E-01	7.0709000E-01	5.7755000E-01	9.9553000E-01
2.6670000E+03	8.1657000E-01	7.0703000E-01	5.7734000E-01	9.9517000E-01
2.6672000E+03	8.1634000E-01	7.0698000E-01	5.7714000E-01	9.9482000E-01
2.6674000E+03	8.1610000E-01	7.0693000E-01	5.7693000E-01	9.9446000E-01
2.6676000E+03	8.1585000E-01	7.0688000E-01	5.7671000E-01	9.9409000E-01
2.6678000E+03	8.1559000E-01	7.0683000E-01	5.7649000E-01	9.9370000E-01
2.6680000E+03	8.1532000E-01	7.0678000E-01	5.7625000E-01	9.9330000E-01
2.6682000E+03	8.1503000E-01	7.0680000E-01	5.7606000E-01	9.9297000E-01
2.6684000E+03	8.1473000E-01	7.0681000E-01	5.7586000E-01	9.9262000E-01

2.6686000E+03	8.1442000E-01	7.0682000E-01	5.7565000E-01	9.9226000E-01
2.6688000E+03	8.1410000E-01	7.0683000E-01	5.7543000E-01	9.9188000E-01
2.6690000E+03	8.1376000E-01	7.0685000E-01	5.7521000E-01	9.9149000E-01
2.6692000E+03	8.1342000E-01	7.0685000E-01	5.7497000E-01	9.9108000E-01
2.6694000E+03	8.1306000E-01	7.0686000E-01	5.7472000E-01	9.9065000E-01
2.6696000E+03	8.1268000E-01	7.0687000E-01	5.7446000E-01	9.9021000E-01
2.6698000E+03	8.1230000E-01	7.0688000E-01	5.7420000E-01	9.8975000E-01
2.6700000E+03	8.1190000E-01	7.0689000E-01	5.7392000E-01	9.8928000E-01
2.6702000E+03	8.1149000E-01	7.0687000E-01	5.7361000E-01	9.8875000E-01
2.6704000E+03	8.1106000E-01	7.0685000E-01	5.7330000E-01	9.8820000E-01
2.6706000E+03	8.1062000E-01	7.0683000E-01	5.7297000E-01	9.8764000E-01
2.6708000E+03	8.1017000E-01	7.0681000E-01	5.7263000E-01	9.8706000E-01
2.6710000E+03	8.0970000E-01	7.0679000E-01	5.7229000E-01	9.8646000E-01
2.6712000E+03	8.0922000E-01	7.0676000E-01	5.7193000E-01	9.8584000E-01
2.6714000E+03	8.0872000E-01	7.0674000E-01	5.7156000E-01	9.8520000E-01
2.6716000E+03	8.0822000E-01	7.0672000E-01	5.7118000E-01	9.8455000E-01
2.6718000E+03	8.0769000E-01	7.0669000E-01	5.7079000E-01	9.8388000E-01
2.6720000E+03	8.0716000E-01	7.0667000E-01	5.7039000E-01	9.8320000E-01
2.6722000E+03	8.0660000E-01	7.0664000E-01	5.6998000E-01	9.8249000E-01
2.6724000E+03	8.0604000E-01	7.0662000E-01	5.6956000E-01	9.8176000E-01
2.6726000E+03	8.0546000E-01	7.0659000E-01	5.6913000E-01	9.8102000E-01
2.6728000E+03	8.0486000E-01	7.0657000E-01	5.6869000E-01	9.8026000E-01
2.6730000E+03	8.0425000E-01	7.0654000E-01	5.6824000E-01	9.7948000E-01
2.6732000E+03	8.0362000E-01	7.0652000E-01	5.6778000E-01	9.7869000E-01
2.6734000E+03	8.0299000E-01	7.0650000E-01	5.6731000E-01	9.7789000E-01
2.6736000E+03	8.0233000E-01	7.0648000E-01	5.6684000E-01	9.7706000E-01
2.6738000E+03	8.0167000E-01	7.0647000E-01	5.6635000E-01	9.7623000E-01
2.6740000E+03	8.0098000E-01	7.0645000E-01	5.6585000E-01	9.7537000E-01
2.6742000E+03	8.0029000E-01	7.0639000E-01	5.6531000E-01	9.7444000E-01
2.6744000E+03	7.9958000E-01	7.0633000E-01	5.6476000E-01	9.7349000E-01
2.6746000E+03	7.9885000E-01	7.0627000E-01	5.6420000E-01	9.7253000E-01
2.6748000E+03	7.9811000E-01	7.0621000E-01	5.6363000E-01	9.7155000E-01
2.6750000E+03	7.9736000E-01	7.0615000E-01	5.6306000E-01	9.7055000E-01
2.6752000E+03	7.9660000E-01	7.0609000E-01	5.6247000E-01	9.6954000E-01
2.6754000E+03	7.9582000E-01	7.0603000E-01	5.6187000E-01	9.6851000E-01
2.6756000E+03	7.9503000E-01	7.0597000E-01	5.6126000E-01	9.6746000E-01
2.6758000E+03	7.9422000E-01	7.0591000E-01	5.6065000E-01	9.6640000E-01
2.6760000E+03	7.9341000E-01	7.0585000E-01	5.6002000E-01	9.6532000E-01
2.6762000E+03	7.9258000E-01	7.0583000E-01	5.5943000E-01	9.6429000E-01
2.6764000E+03	7.9174000E-01	7.0581000E-01	5.5882000E-01	9.6324000E-01
2.6766000E+03	7.9089000E-01	7.0579000E-01	5.5820000E-01	9.6218000E-01
2.6768000E+03	7.9003000E-01	7.0577000E-01	5.5758000E-01	9.6111000E-01
2.6770000E+03	7.8916000E-01	7.0575000E-01	5.5695000E-01	9.6002000E-01

2.6772000E+03	7.8827000E-01	7.0574000E-01	5.5632000E-01	9.5893000E-01
2.6774000E+03	7.8738000E-01	7.0573000E-01	5.5568000E-01	9.5783000E-01
2.6776000E+03	7.8648000E-01	7.0572000E-01	5.5503000E-01	9.5672000E-01
2.6778000E+03	7.8557000E-01	7.0570000E-01	5.5438000E-01	9.5560000E-01
2.6780000E+03	7.8466000E-01	7.0569000E-01	5.5372000E-01	9.5446000E-01
2.6782000E+03	7.8373000E-01	7.0565000E-01	5.5304000E-01	9.5329000E-01
2.6784000E+03	7.8280000E-01	7.0561000E-01	5.5235000E-01	9.5210000E-01
2.6786000E+03	7.8187000E-01	7.0557000E-01	5.5166000E-01	9.5091000E-01
2.6788000E+03	7.8092000E-01	7.0553000E-01	5.5096000E-01	9.4971000E-01
2.6790000E+03	7.7998000E-01	7.0549000E-01	5.5027000E-01	9.4850000E-01
2.6792000E+03	7.7903000E-01	7.0545000E-01	5.4956000E-01	9.4729000E-01
2.6794000E+03	7.7807000E-01	7.0541000E-01	5.4886000E-01	9.4607000E-01
2.6796000E+03	7.7711000E-01	7.0537000E-01	5.4815000E-01	9.4486000E-01
2.6798000E+03	7.7616000E-01	7.0533000E-01	5.4744000E-01	9.4364000E-01
2.6800000E+03	7.7520000E-01	7.0528000E-01	5.4673000E-01	9.4241000E-01
2.6802000E+03	7.7424000E-01	7.0523000E-01	5.4602000E-01	9.4118000E-01
2.6804000E+03	7.7328000E-01	7.0517000E-01	5.4530000E-01	9.3994000E-01
2.6806000E+03	7.7232000E-01	7.0512000E-01	5.4458000E-01	9.3870000E-01
2.6808000E+03	7.7136000E-01	7.0507000E-01	5.4386000E-01	9.3747000E-01
2.6810000E+03	7.7041000E-01	7.0501000E-01	5.4315000E-01	9.3624000E-01
2.6812000E+03	7.6947000E-01	7.0496000E-01	5.4244000E-01	9.3501000E-01
2.6814000E+03	7.6852000E-01	7.0491000E-01	5.4173000E-01	9.3380000E-01
2.6816000E+03	7.6758000E-01	7.0485000E-01	5.4103000E-01	9.3259000E-01
2.6818000E+03	7.6665000E-01	7.0480000E-01	5.4034000E-01	9.3139000E-01
2.6820000E+03	7.6573000E-01	7.0475000E-01	5.3965000E-01	9.3020000E-01
2.6822000E+03	7.6481000E-01	7.0466000E-01	5.3893000E-01	9.2896000E-01
2.6824000E+03	7.6391000E-01	7.0456000E-01	5.3822000E-01	9.2774000E-01
2.6826000E+03	7.6301000E-01	7.0447000E-01	5.3752000E-01	9.2653000E-01
2.6828000E+03	7.6213000E-01	7.0438000E-01	5.3683000E-01	9.2534000E-01
2.6830000E+03	7.6125000E-01	7.0429000E-01	5.3614000E-01	9.2416000E-01
2.6832000E+03	7.6039000E-01	7.0420000E-01	5.3547000E-01	9.2299000E-01
2.6834000E+03	7.5955000E-01	7.0410000E-01	5.3480000E-01	9.2184000E-01
2.6836000E+03	7.5871000E-01	7.0401000E-01	5.3414000E-01	9.2071000E-01
2.6838000E+03	7.5790000E-01	7.0392000E-01	5.3350000E-01	9.1960000E-01
2.6840000E+03	7.5710000E-01	7.0382000E-01	5.3286000E-01	9.1851000E-01
2.6842000E+03	7.5631000E-01	7.0378000E-01	5.3227000E-01	9.1749000E-01
2.6844000E+03	7.5555000E-01	7.0373000E-01	5.3170000E-01	9.1650000E-01
2.6846000E+03	7.5480000E-01	7.0368000E-01	5.3113000E-01	9.1553000E-01
2.6848000E+03	7.5407000E-01	7.0363000E-01	5.3058000E-01	9.1458000E-01
2.6850000E+03	7.5336000E-01	7.0358000E-01	5.3005000E-01	9.1366000E-01
2.6852000E+03	7.5268000E-01	7.0353000E-01	5.2953000E-01	9.1276000E-01
2.6854000E+03	7.5201000E-01	7.0348000E-01	5.2903000E-01	9.1189000E-01
2.6856000E+03	7.5137000E-01	7.0343000E-01	5.2854000E-01	9.1105000E-01

2.6858000E+03	7.5075000E-01	7.0338000E-01	5.2806000E-01	9.1023000E-01
2.6860000E+03	7.5015000E-01	7.0334000E-01	5.2761000E-01	9.0945000E-01
2.6862000E+03	7.4958000E-01	7.0332000E-01	5.2719000E-01	9.0873000E-01
2.6864000E+03	7.4903000E-01	7.0330000E-01	5.2679000E-01	9.0804000E-01
2.6866000E+03	7.4850000E-01	7.0328000E-01	5.2641000E-01	9.0738000E-01
2.6868000E+03	7.4800000E-01	7.0327000E-01	5.2604000E-01	9.0675000E-01
2.6870000E+03	7.4753000E-01	7.0325000E-01	5.2570000E-01	9.0616000E-01
2.6872000E+03	7.4708000E-01	7.0324000E-01	5.2538000E-01	9.0560000E-01
2.6874000E+03	7.4666000E-01	7.0323000E-01	5.2508000E-01	9.0508000E-01
2.6876000E+03	7.4626000E-01	7.0323000E-01	5.2479000E-01	9.0460000E-01
2.6878000E+03	7.4590000E-01	7.0322000E-01	5.2453000E-01	9.0414000E-01
2.6880000E+03	7.4555000E-01	7.0322000E-01	5.2428000E-01	9.0372000E-01
2.6882000E+03	7.4524000E-01	7.0316000E-01	5.2402000E-01	9.0327000E-01
2.6884000E+03	7.4495000E-01	7.0310000E-01	5.2377000E-01	9.0283000E-01
2.6886000E+03	7.4469000E-01	7.0302000E-01	5.2353000E-01	9.0241000E-01
2.6888000E+03	7.4445000E-01	7.0294000E-01	5.2330000E-01	9.0203000E-01
2.6890000E+03	7.4425000E-01	7.0286000E-01	5.2310000E-01	9.0167000E-01
2.6892000E+03	7.4406000E-01	7.0277000E-01	5.2290000E-01	9.0134000E-01
2.6894000E+03	7.4391000E-01	7.0268000E-01	5.2273000E-01	9.0104000E-01
2.6896000E+03	7.4378000E-01	7.0259000E-01	5.2257000E-01	9.0077000E-01
2.6898000E+03	7.4367000E-01	7.0250000E-01	5.2243000E-01	9.0053000E-01
2.6900000E+03	7.4359000E-01	7.0241000E-01	5.2231000E-01	9.0032000E-01
2.6902000E+03	7.4354000E-01	7.0231000E-01	5.2220000E-01	9.0012000E-01
2.6904000E+03	7.4351000E-01	7.0221000E-01	5.2210000E-01	8.9995000E-01
2.6906000E+03	7.4350000E-01	7.0211000E-01	5.2202000E-01	8.9981000E-01
2.6908000E+03	7.4351000E-01	7.0201000E-01	5.2195000E-01	8.9970000E-01
2.6910000E+03	7.4354000E-01	7.0191000E-01	5.2190000E-01	8.9961000E-01
2.6912000E+03	7.4360000E-01	7.0181000E-01	5.2186000E-01	8.9954000E-01
2.6914000E+03	7.4368000E-01	7.0170000E-01	5.2184000E-01	8.9950000E-01
2.6916000E+03	7.4377000E-01	7.0159000E-01	5.2182000E-01	8.9948000E-01
2.6918000E+03	7.4388000E-01	7.0149000E-01	5.2182000E-01	8.9947000E-01
2.6920000E+03	7.4401000E-01	7.0138000E-01	5.2183000E-01	8.9949000E-01
2.6922000E+03	7.4415000E-01	7.0131000E-01	5.2188000E-01	8.9957000E-01
2.6924000E+03	7.4431000E-01	7.0123000E-01	5.2193000E-01	8.9967000E-01
2.6926000E+03	7.4448000E-01	7.0116000E-01	5.2200000E-01	8.9978000E-01
2.6928000E+03	7.4466000E-01	7.0109000E-01	5.2207000E-01	8.9990000E-01
2.6930000E+03	7.4485000E-01	7.0101000E-01	5.2215000E-01	9.0004000E-01
2.6932000E+03	7.4505000E-01	7.0094000E-01	5.2224000E-01	9.0019000E-01
2.6934000E+03	7.4525000E-01	7.0087000E-01	5.2233000E-01	9.0035000E-01
2.6936000E+03	7.4547000E-01	7.0080000E-01	5.2243000E-01	9.0051000E-01
2.6938000E+03	7.4568000E-01	7.0073000E-01	5.2252000E-01	9.0068000E-01
2.6940000E+03	7.4590000E-01	7.0066000E-01	5.2262000E-01	9.0085000E-01
2.6942000E+03	7.4611000E-01	7.0061000E-01	5.2273000E-01	9.0104000E-01

2.6944000E+03	7.4632000E-01	7.0055000E-01	5.2284000E-01	9.0123000E-01
2.6946000E+03	7.4653000E-01	7.0050000E-01	5.2295000E-01	9.0141000E-01
2.6948000E+03	7.4674000E-01	7.0044000E-01	5.2305000E-01	9.0158000E-01
2.6950000E+03	7.4693000E-01	7.0039000E-01	5.2314000E-01	9.0175000E-01
2.6952000E+03	7.4712000E-01	7.0033000E-01	5.2323000E-01	9.0190000E-01
2.6954000E+03	7.4729000E-01	7.0028000E-01	5.2331000E-01	9.0205000E-01
2.6956000E+03	7.4745000E-01	7.0023000E-01	5.2339000E-01	9.0217000E-01
2.6958000E+03	7.4759000E-01	7.0018000E-01	5.2345000E-01	9.0227000E-01
2.6960000E+03	7.4772000E-01	7.0012000E-01	5.2349000E-01	9.0236000E-01
2.6962000E+03	7.4782000E-01	7.0006000E-01	5.2352000E-01	9.0240000E-01
2.6964000E+03	7.4790000E-01	7.0000000E-01	5.2353000E-01	9.0242000E-01
2.6966000E+03	7.4796000E-01	6.9994000E-01	5.2353000E-01	9.0241000E-01
2.6968000E+03	7.4798000E-01	6.9988000E-01	5.2350000E-01	9.0237000E-01
2.6970000E+03	7.4798000E-01	6.9982000E-01	5.2345000E-01	9.0229000E-01
2.6972000E+03	7.4794000E-01	6.9977000E-01	5.2339000E-01	9.0217000E-01
2.6974000E+03	7.4787000E-01	6.9972000E-01	5.2330000E-01	9.0202000E-01
2.6976000E+03	7.4777000E-01	6.9967000E-01	5.2319000E-01	9.0183000E-01
2.6978000E+03	7.4762000E-01	6.9962000E-01	5.2305000E-01	9.0158000E-01
2.6980000E+03	7.4743000E-01	6.9957000E-01	5.2288000E-01	9.0129000E-01
2.6982000E+03	7.4719000E-01	6.9946000E-01	5.2263000E-01	9.0087000E-01
2.6984000E+03	7.4691000E-01	6.9936000E-01	5.2236000E-01	9.0040000E-01
2.6986000E+03	7.4658000E-01	6.9926000E-01	5.2205000E-01	8.9987000E-01
2.6988000E+03	7.4620000E-01	6.9916000E-01	5.2171000E-01	8.9928000E-01
2.6990000E+03	7.4577000E-01	6.9905000E-01	5.2133000E-01	8.9863000E-01
2.6992000E+03	7.4527000E-01	6.9895000E-01	5.2091000E-01	8.9791000E-01
2.6994000E+03	7.4472000E-01	6.9886000E-01	5.2045000E-01	8.9711000E-01
2.6996000E+03	7.4411000E-01	6.9876000E-01	5.1995000E-01	8.9625000E-01
2.6998000E+03	7.4344000E-01	6.9866000E-01	5.1941000E-01	8.9531000E-01
2.7000000E+03	7.4270000E-01	6.9856000E-01	5.1882000E-01	8.9429000E-01
2.7002000E+03	7.4189000E-01	6.9844000E-01	5.1816000E-01	8.9317000E-01
2.7004000E+03	7.4101000E-01	6.9832000E-01	5.1746000E-01	8.9196000E-01
2.7006000E+03	7.4006000E-01	6.9820000E-01	5.1671000E-01	8.9066000E-01
2.7008000E+03	7.3904000E-01	6.9808000E-01	5.1590000E-01	8.8927000E-01
2.7010000E+03	7.3794000E-01	6.9796000E-01	5.1505000E-01	8.8780000E-01
2.7012000E+03	7.3676000E-01	6.9784000E-01	5.1414000E-01	8.8623000E-01
2.7014000E+03	7.3550000E-01	6.9772000E-01	5.1317000E-01	8.8456000E-01
2.7016000E+03	7.3416000E-01	6.9760000E-01	5.1215000E-01	8.8280000E-01
2.7018000E+03	7.3274000E-01	6.9748000E-01	5.1107000E-01	8.8094000E-01
2.7020000E+03	7.3123000E-01	6.9736000E-01	5.0993000E-01	8.7898000E-01
2.7022000E+03	7.2963000E-01	6.9730000E-01	5.0877000E-01	8.7698000E-01
2.7024000E+03	7.2795000E-01	6.9724000E-01	5.0755000E-01	8.7488000E-01
2.7026000E+03	7.2617000E-01	6.9717000E-01	5.0627000E-01	8.7266000E-01
2.7028000E+03	7.2430000E-01	6.9711000E-01	5.0492000E-01	8.7034000E-01

2.7030000E+03	7.2234000E-01	6.9705000E-01	5.0351000E-01	8.6791000E-01
2.7032000E+03	7.2029000E-01	6.9698000E-01	5.0203000E-01	8.6535000E-01
2.7034000E+03	7.1814000E-01	6.9691000E-01	5.0048000E-01	8.6268000E-01
2.7036000E+03	7.1589000E-01	6.9684000E-01	4.9886000E-01	8.5990000E-01
2.7038000E+03	7.1355000E-01	6.9677000E-01	4.9718000E-01	8.5700000E-01
2.7040000E+03	7.1110000E-01	6.9670000E-01	4.9543000E-01	8.5398000E-01
2.7042000E+03	7.0856000E-01	6.9661000E-01	4.9359000E-01	8.5081000E-01
2.7044000E+03	7.0591000E-01	6.9652000E-01	4.9169000E-01	8.4753000E-01
2.7046000E+03	7.0317000E-01	6.9643000E-01	4.8971000E-01	8.4412000E-01
2.7048000E+03	7.0032000E-01	6.9634000E-01	4.8767000E-01	8.4060000E-01
2.7050000E+03	6.9737000E-01	6.9626000E-01	4.8555000E-01	8.3695000E-01
2.7052000E+03	6.9432000E-01	6.9617000E-01	4.8336000E-01	8.3318000E-01
2.7054000E+03	6.9117000E-01	6.9608000E-01	4.8111000E-01	8.2929000E-01
2.7056000E+03	6.8791000E-01	6.9599000E-01	4.7878000E-01	8.2528000E-01
2.7058000E+03	6.8455000E-01	6.9590000E-01	4.7638000E-01	8.2114000E-01
2.7060000E+03	6.8109000E-01	6.9581000E-01	4.7391000E-01	8.1689000E-01
2.7062000E+03	6.7752000E-01	6.9576000E-01	4.7140000E-01	8.1255000E-01
2.7064000E+03	6.7386000E-01	6.9571000E-01	4.6881000E-01	8.0809000E-01
2.7066000E+03	6.7009000E-01	6.9566000E-01	4.6615000E-01	8.0351000E-01
2.7068000E+03	6.6622000E-01	6.9561000E-01	4.6342000E-01	7.9881000E-01
2.7070000E+03	6.6224000E-01	6.9556000E-01	4.6063000E-01	7.9399000E-01
2.7072000E+03	6.5817000E-01	6.9552000E-01	4.5777000E-01	7.8907000E-01
2.7074000E+03	6.5400000E-01	6.9549000E-01	4.5485000E-01	7.8403000E-01
2.7076000E+03	6.4973000E-01	6.9545000E-01	4.5186000E-01	7.7887000E-01
2.7078000E+03	6.4536000E-01	6.9542000E-01	4.4880000E-01	7.7360000E-01
2.7080000E+03	6.4090000E-01	6.9538000E-01	4.4567000E-01	7.6821000E-01
2.7082000E+03	6.3634000E-01	6.9532000E-01	4.4246000E-01	7.6267000E-01
2.7084000E+03	6.3168000E-01	6.9524000E-01	4.3917000E-01	7.5700000E-01
2.7086000E+03	6.2694000E-01	6.9514000E-01	4.3581000E-01	7.5121000E-01
2.7088000E+03	6.2210000E-01	6.9504000E-01	4.3239000E-01	7.4531000E-01
2.7090000E+03	6.1717000E-01	6.9494000E-01	4.2890000E-01	7.3930000E-01
2.7092000E+03	6.1216000E-01	6.9484000E-01	4.2536000E-01	7.3319000E-01
2.7094000E+03	6.0706000E-01	6.9474000E-01	4.2175000E-01	7.2698000E-01
2.7096000E+03	6.0188000E-01	6.9464000E-01	4.1809000E-01	7.2067000E-01
2.7098000E+03	5.9661000E-01	6.9454000E-01	4.1437000E-01	7.1426000E-01
2.7100000E+03	5.9126000E-01	6.9444000E-01	4.1060000E-01	7.0776000E-01
2.7102000E+03	5.8584000E-01	6.9433000E-01	4.0677000E-01	7.0115000E-01
2.7104000E+03	5.8034000E-01	6.9421000E-01	4.0288000E-01	6.9445000E-01
2.7106000E+03	5.7477000E-01	6.9410000E-01	3.9895000E-01	6.8767000E-01
2.7108000E+03	5.6913000E-01	6.9398000E-01	3.9496000E-01	6.8081000E-01
2.7110000E+03	5.6342000E-01	6.9386000E-01	3.9093000E-01	6.7386000E-01
2.7112000E+03	5.5764000E-01	6.9374000E-01	3.8686000E-01	6.6684000E-01
2.7114000E+03	5.5180000E-01	6.9362000E-01	3.8274000E-01	6.5974000E-01

2.7116000E+03	5.4590000E-01	6.9350000E-01	3.7859000E-01	6.5257000E-01
2.7118000E+03	5.3995000E-01	6.9338000E-01	3.7439000E-01	6.4534000E-01
2.7120000E+03	5.3393000E-01	6.9326000E-01	3.7016000E-01	6.3805000E-01
2.7122000E+03	5.2787000E-01	6.9313000E-01	3.6588000E-01	6.3068000E-01
2.7124000E+03	5.2176000E-01	6.9300000E-01	3.6158000E-01	6.2325000E-01
2.7126000E+03	5.1560000E-01	6.9286000E-01	3.5724000E-01	6.1578000E-01
2.7128000E+03	5.0939000E-01	6.9273000E-01	3.5287000E-01	6.0825000E-01
2.7130000E+03	5.0315000E-01	6.9260000E-01	3.4848000E-01	6.0068000E-01
2.7132000E+03	4.9687000E-01	6.9247000E-01	3.4407000E-01	5.9308000E-01
2.7134000E+03	4.9056000E-01	6.9235000E-01	3.3964000E-01	5.8544000E-01
2.7136000E+03	4.8421000E-01	6.9222000E-01	3.3518000E-01	5.7776000E-01
2.7138000E+03	4.7784000E-01	6.9209000E-01	3.3071000E-01	5.7005000E-01
2.7140000E+03	4.7144000E-01	6.9197000E-01	3.2622000E-01	5.6232000E-01
2.7142000E+03	4.6502000E-01	6.9186000E-01	3.2173000E-01	5.5458000E-01
2.7144000E+03	4.5859000E-01	6.9176000E-01	3.1723000E-01	5.4682000E-01
2.7146000E+03	4.5213000E-01	6.9165000E-01	3.1272000E-01	5.3904000E-01
2.7148000E+03	4.4567000E-01	6.9154000E-01	3.0820000E-01	5.3125000E-01
2.7150000E+03	4.3920000E-01	6.9144000E-01	3.0368000E-01	5.2346000E-01
2.7152000E+03	4.3272000E-01	6.9134000E-01	2.9916000E-01	5.1566000E-01
2.7154000E+03	4.2624000E-01	6.9125000E-01	2.9464000E-01	5.0787000E-01
2.7156000E+03	4.1976000E-01	6.9115000E-01	2.9012000E-01	5.0008000E-01
2.7158000E+03	4.1329000E-01	6.9105000E-01	2.8560000E-01	4.9230000E-01
2.7160000E+03	4.0682000E-01	6.9096000E-01	2.8109000E-01	4.8453000E-01
2.7162000E+03	4.0036000E-01	6.9086000E-01	2.7659000E-01	4.7677000E-01
2.7164000E+03	3.9391000E-01	6.9076000E-01	2.7210000E-01	4.6902000E-01
2.7166000E+03	3.8749000E-01	6.9065000E-01	2.6762000E-01	4.6130000E-01
2.7168000E+03	3.8108000E-01	6.9055000E-01	2.6315000E-01	4.5360000E-01
2.7170000E+03	3.7469000E-01	6.9045000E-01	2.5871000E-01	4.4594000E-01
2.7172000E+03	3.6833000E-01	6.9035000E-01	2.5428000E-01	4.3830000E-01
2.7174000E+03	3.6200000E-01	6.9026000E-01	2.4987000E-01	4.3071000E-01
2.7176000E+03	3.5569000E-01	6.9015000E-01	2.4548000E-01	4.2314000E-01
2.7178000E+03	3.4942000E-01	6.9002000E-01	2.4111000E-01	4.1561000E-01
2.7180000E+03	3.4319000E-01	6.8990000E-01	2.3677000E-01	4.0812000E-01
2.7182000E+03	3.3700000E-01	6.8977000E-01	2.3245000E-01	4.0068000E-01
2.7184000E+03	3.3085000E-01	6.8965000E-01	2.2817000E-01	3.9330000E-01
2.7186000E+03	3.2474000E-01	6.8952000E-01	2.2391000E-01	3.8596000E-01
2.7188000E+03	3.1868000E-01	6.8940000E-01	2.1969000E-01	3.7869000E-01
2.7190000E+03	3.1266000E-01	6.8927000E-01	2.1551000E-01	3.7148000E-01
2.7192000E+03	3.0670000E-01	6.8914000E-01	2.1136000E-01	3.6433000E-01
2.7194000E+03	3.0080000E-01	6.8900000E-01	2.0725000E-01	3.5724000E-01
2.7196000E+03	2.9495000E-01	6.8887000E-01	2.0318000E-01	3.5022000E-01
2.7198000E+03	2.8915000E-01	6.8874000E-01	1.9915000E-01	3.4328000E-01
2.7200000E+03	2.8342000E-01	6.8860000E-01	1.9516000E-01	3.3641000E-01

2.7202000E+03	2.7775000E-01	6.8851000E-01	1.9123000E-01	3.2963000E-01
2.7204000E+03	2.7214000E-01	6.8842000E-01	1.8734000E-01	3.2293000E-01
2.7206000E+03	2.6659000E-01	6.8832000E-01	1.8350000E-01	3.1631000E-01
2.7208000E+03	2.6112000E-01	6.8823000E-01	1.7971000E-01	3.0977000E-01
2.7210000E+03	2.5571000E-01	6.8814000E-01	1.7596000E-01	3.0331000E-01
2.7212000E+03	2.5037000E-01	6.8805000E-01	1.7227000E-01	2.9694000E-01
2.7214000E+03	2.4511000E-01	6.8796000E-01	1.6862000E-01	2.9066000E-01
2.7216000E+03	2.3991000E-01	6.8787000E-01	1.6503000E-01	2.8446000E-01
2.7218000E+03	2.3479000E-01	6.8778000E-01	1.6149000E-01	2.7836000E-01
2.7220000E+03	2.2975000E-01	6.8769000E-01	1.5800000E-01	2.7234000E-01
2.7222000E+03	2.2478000E-01	6.8759000E-01	1.5456000E-01	2.6641000E-01
2.7224000E+03	2.1989000E-01	6.8749000E-01	1.5117000E-01	2.6058000E-01
2.7226000E+03	2.1508000E-01	6.8740000E-01	1.4784000E-01	2.5484000E-01
2.7228000E+03	2.1034000E-01	6.8730000E-01	1.4457000E-01	2.4919000E-01
2.7230000E+03	2.0569000E-01	6.8720000E-01	1.4135000E-01	2.4365000E-01
2.7232000E+03	2.0111000E-01	6.8710000E-01	1.3819000E-01	2.3819000E-01
2.7234000E+03	1.9662000E-01	6.8701000E-01	1.3508000E-01	2.3284000E-01
2.7236000E+03	1.9220000E-01	6.8692000E-01	1.3203000E-01	2.2758000E-01
2.7238000E+03	1.8787000E-01	6.8683000E-01	1.2904000E-01	2.2242000E-01
2.7240000E+03	1.8362000E-01	6.8673000E-01	1.2610000E-01	2.1736000E-01
2.7242000E+03	1.7945000E-01	6.8663000E-01	1.2322000E-01	2.1239000E-01
2.7244000E+03	1.7537000E-01	6.8653000E-01	1.2039000E-01	2.0752000E-01
2.7246000E+03	1.7136000E-01	6.8643000E-01	1.1763000E-01	2.0275000E-01
2.7248000E+03	1.6743000E-01	6.8633000E-01	1.1492000E-01	1.9808000E-01
2.7250000E+03	1.6359000E-01	6.8623000E-01	1.1226000E-01	1.9351000E-01
2.7252000E+03	1.5983000E-01	6.8613000E-01	1.0966000E-01	1.8903000E-01
2.7254000E+03	1.5615000E-01	6.8603000E-01	1.0712000E-01	1.8465000E-01
2.7256000E+03	1.5255000E-01	6.8593000E-01	1.0464000E-01	1.8036000E-01
2.7258000E+03	1.4902000E-01	6.8583000E-01	1.0220000E-01	1.7617000E-01
2.7260000E+03	1.4558000E-01	6.8573000E-01	9.9830000E-02	1.7208000E-01
2.7262000E+03	1.4222000E-01	6.8557000E-01	9.7501000E-02	1.6806000E-01
2.7264000E+03	1.3893000E-01	6.8542000E-01	9.5227000E-02	1.6414000E-01
2.7266000E+03	1.3572000E-01	6.8526000E-01	9.3006000E-02	1.6032000E-01
2.7268000E+03	1.3259000E-01	6.8510000E-01	9.0839000E-02	1.5658000E-01
2.7270000E+03	1.2954000E-01	6.8493000E-01	8.8724000E-02	1.5293000E-01
2.7272000E+03	1.2655000E-01	6.8476000E-01	8.6659000E-02	1.4938000E-01
2.7274000E+03	1.2365000E-01	6.8459000E-01	8.4647000E-02	1.4591000E-01
2.7276000E+03	1.2081000E-01	6.8442000E-01	8.2685000E-02	1.4252000E-01
2.7278000E+03	1.1805000E-01	6.8425000E-01	8.0773000E-02	1.3923000E-01
2.7280000E+03	1.1535000E-01	6.8408000E-01	7.8909000E-02	1.3602000E-01
2.7282000E+03	1.1273000E-01	6.8391000E-01	7.7095000E-02	1.3289000E-01
2.7284000E+03	1.1017000E-01	6.8373000E-01	7.5328000E-02	1.2984000E-01
2.7286000E+03	1.0768000E-01	6.8356000E-01	7.3607000E-02	1.2688000E-01

2.7288000E+03	1.0526000E-01	6.8339000E-01	7.1932000E-02	1.2399000E-01
2.7290000E+03	1.0290000E-01	6.8322000E-01	7.0302000E-02	1.2118000E-01
2.7292000E+03	1.0060000E-01	6.8306000E-01	6.8715000E-02	1.1845000E-01
2.7294000E+03	9.8364000E-02	6.8289000E-01	6.7172000E-02	1.1578000E-01
2.7296000E+03	9.6189000E-02	6.8272000E-01	6.5670000E-02	1.1320000E-01
2.7298000E+03	9.4073000E-02	6.8255000E-01	6.4209000E-02	1.1068000E-01
2.7300000E+03	9.2014000E-02	6.8238000E-01	6.2788000E-02	1.0823000E-01
2.7302000E+03	9.0011000E-02	6.8221000E-01	6.1406000E-02	1.0585000E-01
2.7304000E+03	8.8063000E-02	6.8204000E-01	6.0062000E-02	1.0353000E-01
2.7306000E+03	8.6167000E-02	6.8186000E-01	5.8754000E-02	1.0128000E-01
2.7308000E+03	8.4324000E-02	6.8169000E-01	5.7483000E-02	9.9084000E-02
2.7310000E+03	8.2530000E-02	6.8152000E-01	5.6246000E-02	9.6952000E-02
2.7312000E+03	8.0786000E-02	6.8135000E-01	5.5043000E-02	9.4879000E-02
2.7314000E+03	7.9089000E-02	6.8117000E-01	5.3873000E-02	9.2863000E-02
2.7316000E+03	7.7438000E-02	6.8100000E-01	5.2735000E-02	9.0901000E-02
2.7318000E+03	7.5832000E-02	6.8083000E-01	5.1628000E-02	8.8993000E-02
2.7320000E+03	7.4268000E-02	6.8066000E-01	5.0551000E-02	8.7136000E-02
2.7322000E+03	7.2747000E-02	6.8050000E-01	4.9504000E-02	8.5331000E-02
2.7324000E+03	7.1265000E-02	6.8035000E-01	4.8485000E-02	8.3575000E-02
2.7326000E+03	6.9823000E-02	6.8020000E-01	4.7493000E-02	8.1865000E-02
2.7328000E+03	6.8418000E-02	6.8005000E-01	4.6528000E-02	8.0200000E-02
2.7330000E+03	6.7050000E-02	6.7989000E-01	4.5587000E-02	7.8578000E-02
2.7332000E+03	6.5716000E-02	6.7973000E-01	4.4669000E-02	7.6998000E-02
2.7334000E+03	6.4416000E-02	6.7957000E-01	4.3776000E-02	7.5457000E-02
2.7336000E+03	6.3149000E-02	6.7941000E-01	4.2904000E-02	7.3955000E-02
2.7338000E+03	6.1913000E-02	6.7925000E-01	4.2054000E-02	7.2490000E-02
2.7340000E+03	6.0706000E-02	6.7909000E-01	4.1225000E-02	7.1060000E-02
2.7342000E+03	5.9529000E-02	6.7890000E-01	4.0414000E-02	6.9663000E-02
2.7344000E+03	5.8379000E-02	6.7871000E-01	3.9622000E-02	6.8298000E-02
2.7346000E+03	5.7255000E-02	6.7852000E-01	3.8849000E-02	6.6965000E-02
2.7348000E+03	5.6157000E-02	6.7833000E-01	3.8093000E-02	6.5662000E-02
2.7350000E+03	5.5083000E-02	6.7814000E-01	3.7354000E-02	6.4388000E-02
2.7352000E+03	5.4033000E-02	6.7796000E-01	3.6632000E-02	6.3143000E-02
2.7354000E+03	5.3005000E-02	6.7777000E-01	3.5925000E-02	6.1924000E-02
2.7356000E+03	5.1998000E-02	6.7758000E-01	3.5232000E-02	6.0731000E-02
2.7358000E+03	5.1011000E-02	6.7739000E-01	3.4554000E-02	5.9562000E-02
2.7360000E+03	5.0045000E-02	6.7720000E-01	3.3890000E-02	5.8417000E-02
2.7362000E+03	4.9186000E-02	6.7703000E-01	3.3300000E-02	5.7400000E-02
2.7364000E+03	4.8252000E-02	6.7685000E-01	3.2660000E-02	5.6296000E-02
2.7366000E+03	4.7336000E-02	6.7668000E-01	3.2031000E-02	5.5212000E-02
2.7368000E+03	4.6435000E-02	6.7651000E-01	3.1414000E-02	5.4149000E-02
2.7370000E+03	4.5551000E-02	6.7634000E-01	3.0808000E-02	5.3104000E-02
2.7372000E+03	4.4682000E-02	6.7617000E-01	3.0213000E-02	5.2078000E-02

2.7374000E+03	4.3827000E-02	6.7601000E-01	2.9628000E-02	5.1070000E-02
2.7376000E+03	4.2987000E-02	6.7585000E-01	2.9053000E-02	5.0079000E-02
2.7378000E+03	4.2160000E-02	6.7569000E-01	2.8487000E-02	4.9103000E-02
2.7380000E+03	4.1346000E-02	6.7553000E-01	2.7930000E-02	4.8144000E-02
2.7382000E+03	4.0544000E-02	6.7536000E-01	2.7382000E-02	4.7198000E-02
2.7384000E+03	3.9754000E-02	6.7519000E-01	2.6842000E-02	4.6268000E-02
2.7386000E+03	3.8976000E-02	6.7502000E-01	2.6310000E-02	4.5350000E-02
2.7388000E+03	3.8209000E-02	6.7485000E-01	2.5785000E-02	4.4447000E-02
2.7390000E+03	3.7453000E-02	6.7467000E-01	2.5269000E-02	4.3556000E-02
2.7392000E+03	3.6707000E-02	6.7450000E-01	2.4759000E-02	4.2678000E-02
2.7394000E+03	3.5972000E-02	6.7433000E-01	2.4257000E-02	4.1812000E-02
2.7396000E+03	3.5246000E-02	6.7415000E-01	2.3762000E-02	4.0958000E-02
2.7398000E+03	3.4531000E-02	6.7398000E-01	2.3273000E-02	4.0116000E-02
2.7400000E+03	3.3825000E-02	6.7381000E-01	2.2791000E-02	3.9286000E-02
2.7402000E+03	3.3128000E-02	6.7369000E-01	2.2318000E-02	3.8470000E-02
2.7404000E+03	3.2440000E-02	6.7358000E-01	2.1851000E-02	3.7665000E-02
2.7406000E+03	3.1762000E-02	6.7347000E-01	2.1391000E-02	3.6871000E-02
2.7408000E+03	3.1093000E-02	6.7335000E-01	2.0936000E-02	3.6088000E-02
2.7410000E+03	3.0432000E-02	6.7324000E-01	2.0488000E-02	3.5316000E-02
2.7412000E+03	2.9780000E-02	6.7313000E-01	2.0046000E-02	3.4554000E-02
2.7414000E+03	2.9138000E-02	6.7302000E-01	1.9610000E-02	3.3802000E-02
2.7416000E+03	2.8504000E-02	6.7291000E-01	1.9180000E-02	3.3061000E-02
2.7418000E+03	2.7879000E-02	6.7280000E-01	1.8757000E-02	3.2331000E-02
2.7420000E+03	2.7262000E-02	6.7268000E-01	1.8339000E-02	3.1611000E-02
2.7422000E+03	2.6655000E-02	6.7253000E-01	1.7926000E-02	3.0900000E-02
2.7424000E+03	2.6056000E-02	6.7238000E-01	1.7520000E-02	3.0199000E-02
2.7426000E+03	2.5467000E-02	6.7223000E-01	1.7119000E-02	2.9509000E-02
2.7428000E+03	2.4886000E-02	6.7207000E-01	1.6725000E-02	2.8830000E-02
2.7430000E+03	2.4315000E-02	6.7192000E-01	1.6338000E-02	2.8161000E-02
2.7432000E+03	2.3753000E-02	6.7178000E-01	1.5957000E-02	2.7505000E-02
2.7434000E+03	2.3200000E-02	6.7164000E-01	1.5582000E-02	2.6859000E-02
2.7436000E+03	2.2656000E-02	6.7150000E-01	1.5214000E-02	2.6224000E-02
2.7438000E+03	2.2122000E-02	6.7136000E-01	1.4852000E-02	2.5601000E-02
2.7440000E+03	2.1598000E-02	6.7121000E-01	1.4497000E-02	2.4988000E-02
2.7442000E+03	2.1083000E-02	6.7108000E-01	1.4148000E-02	2.4388000E-02
2.7444000E+03	2.0578000E-02	6.7094000E-01	1.3807000E-02	2.3799000E-02
2.7446000E+03	2.0084000E-02	6.7080000E-01	1.3472000E-02	2.3222000E-02
2.7448000E+03	1.9599000E-02	6.7067000E-01	1.3144000E-02	2.2657000E-02
2.7450000E+03	1.9124000E-02	6.7053000E-01	1.2823000E-02	2.2103000E-02
2.7452000E+03	1.8659000E-02	6.7040000E-01	1.2509000E-02	2.1562000E-02
2.7454000E+03	1.8205000E-02	6.7026000E-01	1.2202000E-02	2.1033000E-02
2.7456000E+03	1.7761000E-02	6.7013000E-01	1.1902000E-02	2.0517000E-02
2.7458000E+03	1.7328000E-02	6.7000000E-01	1.1610000E-02	2.0012000E-02

2.7460000E+03	1.6905000E-02	6.6987000E-01	1.1324000E-02	1.9520000E-02
2.7462000E+03	1.6493000E-02	6.6975000E-01	1.1046000E-02	1.9041000E-02
2.7464000E+03	1.6092000E-02	6.6963000E-01	1.0775000E-02	1.8574000E-02
2.7466000E+03	1.5701000E-02	6.6951000E-01	1.0512000E-02	1.8120000E-02
2.7468000E+03	1.5321000E-02	6.6939000E-01	1.0256000E-02	1.7678000E-02
2.7470000E+03	1.4952000E-02	6.6928000E-01	1.0007000E-02	1.7249000E-02
2.7472000E+03	1.4593000E-02	6.6916000E-01	9.7650000E-03	1.6832000E-02
2.7474000E+03	1.4245000E-02	6.6905000E-01	9.5305000E-03	1.6428000E-02
2.7476000E+03	1.3908000E-02	6.6894000E-01	9.3034000E-03	1.6036000E-02
2.7478000E+03	1.3581000E-02	6.6882000E-01	9.0834000E-03	1.5657000E-02
2.7480000E+03	1.3265000E-02	6.6871000E-01	8.8705000E-03	1.5290000E-02
2.7482000E+03	1.2959000E-02	6.6855000E-01	8.6641000E-03	1.4934000E-02
2.7484000E+03	1.2664000E-02	6.6839000E-01	8.4647000E-03	1.4591000E-02
2.7486000E+03	1.2380000E-02	6.6823000E-01	8.2724000E-03	1.4259000E-02
2.7488000E+03	1.2105000E-02	6.6807000E-01	8.0869000E-03	1.3939000E-02
2.7490000E+03	1.1840000E-02	6.6791000E-01	7.9082000E-03	1.3631000E-02
2.7492000E+03	1.1586000E-02	6.6775000E-01	7.7362000E-03	1.3335000E-02
2.7494000E+03	1.1341000E-02	6.6759000E-01	7.5708000E-03	1.3050000E-02
2.7496000E+03	1.1105000E-02	6.6743000E-01	7.4119000E-03	1.2776000E-02
2.7498000E+03	1.0879000E-02	6.6727000E-01	7.2593000E-03	1.2513000E-02
2.7500000E+03	1.0662000E-02	6.6711000E-01	7.1129000E-03	1.2261000E-02
2.7502000E+03	1.0454000E-02	6.6692000E-01	6.9723000E-03	1.2018000E-02
2.7504000E+03	1.0255000E-02	6.6674000E-01	6.8376000E-03	1.1786000E-02
2.7506000E+03	1.0065000E-02	6.6656000E-01	6.7087000E-03	1.1564000E-02
2.7508000E+03	9.8822000E-03	6.6638000E-01	6.5853000E-03	1.1351000E-02
2.7510000E+03	9.7079000E-03	6.6620000E-01	6.4674000E-03	1.1148000E-02
2.7512000E+03	9.5413000E-03	6.6601000E-01	6.3546000E-03	1.0954000E-02
2.7514000E+03	9.3823000E-03	6.6583000E-01	6.2470000E-03	1.0768000E-02
2.7516000E+03	9.2305000E-03	6.6565000E-01	6.1442000E-03	1.0591000E-02
2.7518000E+03	9.0856000E-03	6.6547000E-01	6.0462000E-03	1.0422000E-02
2.7520000E+03	8.9475000E-03	6.6528000E-01	5.9526000E-03	1.0261000E-02
2.7522000E+03	8.8158000E-03	6.6507000E-01	5.8631000E-03	1.0106000E-02
2.7524000E+03	8.6903000E-03	6.6488000E-01	5.7780000E-03	9.9597000E-03
2.7526000E+03	8.5707000E-03	6.6470000E-01	5.6969000E-03	9.8199000E-03
2.7528000E+03	8.4567000E-03	6.6452000E-01	5.6196000E-03	9.6867000E-03
2.7530000E+03	8.3480000E-03	6.6434000E-01	5.5459000E-03	9.5596000E-03
2.7532000E+03	8.2443000E-03	6.6416000E-01	5.4755000E-03	9.4382000E-03
2.7534000E+03	8.1455000E-03	6.6397000E-01	5.4083000E-03	9.3224000E-03
2.7536000E+03	8.0511000E-03	6.6378000E-01	5.3442000E-03	9.2119000E-03
2.7538000E+03	7.9610000E-03	6.6360000E-01	5.2829000E-03	9.1062000E-03
2.7540000E+03	7.8749000E-03	6.6341000E-01	5.2243000E-03	9.0051000E-03
2.7542000E+03	7.7925000E-03	6.6328000E-01	5.1686000E-03	8.9092000E-03
2.7544000E+03	7.7135000E-03	6.6315000E-01	5.1152000E-03	8.8171000E-03

2.7546000E+03	7.6377000E-03	6.6302000E-01	5.0640000E-03	8.7288000E-03
2.7548000E+03	7.5649000E-03	6.6289000E-01	5.0147000E-03	8.6439000E-03
2.7550000E+03	7.4947000E-03	6.6276000E-01	4.9672000E-03	8.5620000E-03
2.7552000E+03	7.4270000E-03	6.6263000E-01	4.9213000E-03	8.4829000E-03
2.7554000E+03	7.3614000E-03	6.6249000E-01	4.8769000E-03	8.4064000E-03
2.7556000E+03	7.2978000E-03	6.6236000E-01	4.8338000E-03	8.3321000E-03
2.7558000E+03	7.2360000E-03	6.6222000E-01	4.7918000E-03	8.2598000E-03
2.7560000E+03	7.1756000E-03	6.6209000E-01	4.7509000E-03	8.1892000E-03
2.7562000E+03	7.1165000E-03	6.6194000E-01	4.7107000E-03	8.1198000E-03
2.7564000E+03	7.0584000E-03	6.6179000E-01	4.6711000E-03	8.0517000E-03
2.7566000E+03	7.0011000E-03	6.6163000E-01	4.6322000E-03	7.9846000E-03
2.7568000E+03	6.9445000E-03	6.6148000E-01	4.5937000E-03	7.9182000E-03
2.7570000E+03	6.8883000E-03	6.6133000E-01	4.5554000E-03	7.8523000E-03
2.7572000E+03	6.8322000E-03	6.6119000E-01	4.5174000E-03	7.7868000E-03
2.7574000E+03	6.7762000E-03	6.6106000E-01	4.4795000E-03	7.7213000E-03
2.7576000E+03	6.7200000E-03	6.6092000E-01	4.4414000E-03	7.6557000E-03
2.7578000E+03	6.6635000E-03	6.6078000E-01	4.4031000E-03	7.5897000E-03
2.7580000E+03	6.6065000E-03	6.6064000E-01	4.3645000E-03	7.5232000E-03
2.7582000E+03	6.5487000E-03	6.6053000E-01	4.3256000E-03	7.4562000E-03
2.7584000E+03	6.4902000E-03	6.6041000E-01	4.2862000E-03	7.3882000E-03
2.7586000E+03	6.4306000E-03	6.6030000E-01	4.2461000E-03	7.3191000E-03
2.7588000E+03	6.3699000E-03	6.6018000E-01	4.2053000E-03	7.2488000E-03
2.7590000E+03	6.3080000E-03	6.6007000E-01	4.1637000E-03	7.1770000E-03
2.7592000E+03	6.2447000E-03	6.5996000E-01	4.1213000E-03	7.1039000E-03
2.7594000E+03	6.1799000E-03	6.5986000E-01	4.0779000E-03	7.0291000E-03
2.7596000E+03	6.1135000E-03	6.5975000E-01	4.0334000E-03	6.9525000E-03
2.7598000E+03	6.0455000E-03	6.5965000E-01	3.9879000E-03	6.8740000E-03
2.7600000E+03	5.9757000E-03	6.5955000E-01	3.9413000E-03	6.7936000E-03
2.7602000E+03	5.9041000E-03	6.5945000E-01	3.8935000E-03	6.7112000E-03
2.7604000E+03	5.8306000E-03	6.5936000E-01	3.8445000E-03	6.6268000E-03
2.7606000E+03	5.7552000E-03	6.5927000E-01	3.7942000E-03	6.5402000E-03
2.7608000E+03	5.6778000E-03	6.5918000E-01	3.7427000E-03	6.4514000E-03
2.7610000E+03	5.5985000E-03	6.5908000E-01	3.6899000E-03	6.3603000E-03
2.7612000E+03	5.5172000E-03	6.5900000E-01	3.6358000E-03	6.2671000E-03
2.7614000E+03	5.4338000E-03	6.5891000E-01	3.5804000E-03	6.1716000E-03
2.7616000E+03	5.3485000E-03	6.5882000E-01	3.5237000E-03	6.0739000E-03
2.7618000E+03	5.2612000E-03	6.5873000E-01	3.4657000E-03	5.9740000E-03
2.7620000E+03	5.1720000E-03	6.5864000E-01	3.4065000E-03	5.8719000E-03
2.7622000E+03	5.0809000E-03	6.5852000E-01	3.3459000E-03	5.7673000E-03
2.7624000E+03	4.9880000E-03	6.5839000E-01	3.2840000E-03	5.6607000E-03
2.7626000E+03	4.8933000E-03	6.5826000E-01	3.2211000E-03	5.5522000E-03
2.7628000E+03	4.7969000E-03	6.5813000E-01	3.1570000E-03	5.4418000E-03
2.7630000E+03	4.6989000E-03	6.5801000E-01	3.0919000E-03	5.3295000E-03

2.7632000E+03	4.5994000E-03	6.5788000E-01	3.0258000E-03	5.2157000E-03
2.7634000E+03	4.4984000E-03	6.5776000E-01	2.9589000E-03	5.1003000E-03
2.7636000E+03	4.3962000E-03	6.5763000E-01	2.8911000E-03	4.9834000E-03
2.7638000E+03	4.2928000E-03	6.5751000E-01	2.8226000E-03	4.8653000E-03
2.7640000E+03	4.1884000E-03	6.5739000E-01	2.7534000E-03	4.7461000E-03
2.7642000E+03	4.0831000E-03	6.5728000E-01	2.6837000E-03	4.6260000E-03
2.7644000E+03	3.9771000E-03	6.5717000E-01	2.6136000E-03	4.5051000E-03
2.7646000E+03	3.8704000E-03	6.5706000E-01	2.5431000E-03	4.3836000E-03
2.7648000E+03	3.7634000E-03	6.5696000E-01	2.4724000E-03	4.2617000E-03
2.7650000E+03	3.6562000E-03	6.5685000E-01	2.4016000E-03	4.1396000E-03
2.7652000E+03	3.5489000E-03	6.5674000E-01	2.3307000E-03	4.0175000E-03
2.7654000E+03	3.4418000E-03	6.5663000E-01	2.2600000E-03	3.8956000E-03
2.7656000E+03	3.3350000E-03	6.5653000E-01	2.1895000E-03	3.7741000E-03
2.7658000E+03	3.2288000E-03	6.5642000E-01	2.1194000E-03	3.6533000E-03
2.7660000E+03	3.1233000E-03	6.5631000E-01	2.0499000E-03	3.5334000E-03
2.7662000E+03	3.0189000E-03	6.5624000E-01	1.9811000E-03	3.4149000E-03
2.7664000E+03	2.9157000E-03	6.5617000E-01	1.9132000E-03	3.2978000E-03
2.7666000E+03	2.8139000E-03	6.5610000E-01	1.8462000E-03	3.1823000E-03
2.7668000E+03	2.7138000E-03	6.5603000E-01	1.7804000E-03	3.0688000E-03
2.7670000E+03	2.6157000E-03	6.5596000E-01	1.7158000E-03	2.9576000E-03
2.7672000E+03	2.5198000E-03	6.5590000E-01	1.6527000E-03	2.8488000E-03
2.7674000E+03	2.4263000E-03	6.5583000E-01	1.5912000E-03	2.7429000E-03
2.7676000E+03	2.3355000E-03	6.5577000E-01	1.5316000E-03	2.6400000E-03
2.7678000E+03	2.2477000E-03	6.5571000E-01	1.4738000E-03	2.5404000E-03
2.7680000E+03	2.1630000E-03	6.5565000E-01	1.4182000E-03	2.4446000E-03
2.7682000E+03	2.0819000E-03	6.5554000E-01	1.3647000E-03	2.3524000E-03
2.7684000E+03	2.0044000E-03	6.5543000E-01	1.3137000E-03	2.2645000E-03
2.7686000E+03	1.9308000E-03	6.5532000E-01	1.2653000E-03	2.1810000E-03
2.7688000E+03	1.8614000E-03	6.5521000E-01	1.2196000E-03	2.1023000E-03
2.7690000E+03	1.7963000E-03	6.5510000E-01	1.1768000E-03	2.0284000E-03
2.7692000E+03	1.7357000E-03	6.5498000E-01	1.1369000E-03	1.9596000E-03
2.7694000E+03	1.6797000E-03	6.5487000E-01	1.1000000E-03	1.8961000E-03
2.7696000E+03	1.6285000E-03	6.5475000E-01	1.0662000E-03	1.8379000E-03
2.7698000E+03	1.5820000E-03	6.5464000E-01	1.0356000E-03	1.7851000E-03
2.7700000E+03	1.5403000E-03	6.5453000E-01	1.0081000E-03	1.7377000E-03
2.7702000E+03	1.5033000E-03	6.5438000E-01	9.8372000E-04	1.6957000E-03
2.7704000E+03	1.4710000E-03	6.5423000E-01	9.6236000E-04	1.6588000E-03
2.7706000E+03	1.4432000E-03	6.5408000E-01	9.4396000E-04	1.6271000E-03
2.7708000E+03	1.4197000E-03	6.5394000E-01	9.2839000E-04	1.6003000E-03
2.7710000E+03	1.4003000E-03	6.5382000E-01	9.1554000E-04	1.5781000E-03
2.7712000E+03	1.3848000E-03	6.5369000E-01	9.0520000E-04	1.5603000E-03
2.7714000E+03	1.3727000E-03	6.5357000E-01	8.9718000E-04	1.5465000E-03
2.7716000E+03	1.3639000E-03	6.5345000E-01	8.9126000E-04	1.5363000E-03

2.7718000E+03	1.3580000E-03	6.5333000E-01	8.8722000E-04	1.5293000E-03
2.7720000E+03	1.3546000E-03	6.5320000E-01	8.8483000E-04	1.5252000E-03
2.7722000E+03	1.3534000E-03	6.5316000E-01	8.8399000E-04	1.5238000E-03
2.7724000E+03	0.0000000E+00	6.5312000E-01	0.0000000E+00	0.0000000E+00

Table D.5-14 contains the pre- and post-launch calibration slope and intercept values for MetOp-A HIRS/306 Channel 20.

Table D.5-14. MetOp-A HIRS/306 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.023770	67.7300
Post-launch calibration	TBD	TBD

AMSU:

Table D.5-15. MetOp-A AMSU-A1 (S/N 106, ID=21) PRT Temperature Conversion Coefficients.					
	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count²)	f_{k3} (K/count³)
Scan Motor A1-1	1	263.9870	1.731689E-03	3.822561E-09	1.028422E-14
Scan Motor A1-2	2	263.9702	1.733920E-03	3.767659E-09	1.082943E-14
Feedhorn A1-1	3	262.9015	1.733436E-03	3.664060E-09	1.218533E-14
Feedhorn A1-2	4	263.6334	1.735609E-03	3.725756E-09	1.052431E-14
RF Mux A1-1	5	262.9389	1.731870E-03	3.623842E-09	1.211609E-14
RF Mux A1-2	6	263.4331	1.735790E-03	3.669909E-09	1.211365E-14
L.O. CH 3	7	263.5560	1.735983E-03	3.967949E-09	7.681595E-15
L.O. CH 4	8	262.9373	1.734014E-03	3.761015E-09	1.121131E-14
L.O. CH 5	9	262.8178	1.731163E-03	3.752029E-09	9.505904E-15
L.O. CH 6	10	263.4417	1.734077E-03	3.917796E-09	1.128447E-14
L.O. CH 7	11	262.9996	1.747369E-03	3.343567E-09	9.155990E-15
L.O. CH 8	12	263.3053	1.741015E-03	3.500605E-09	1.183477E-14
L.O. CH 15	13	263.6873	1.736346E-03	3.610864E-09	1.205842E-14
PLLO #2 CH9-14	14	263.3672	1.735200E-03	3.709033E-09	1.101641E-14
PLLO #1 CH9-14	15	263.6137	1.733371E-03	3.764484E-09	9.452957E-15
Not Used	16	263.6137	1.733371E-03	3.764484E-09	9.452957E-15
Mixer/IF CH 3	17	264.0699	1.734028E-03	3.767572E-09	9.111964E-15
Mixer/IF CH 4	18	263.9319	1.748879E-03	3.388072E-09	9.858723E-15
Mixer/IF CH 5	19	263.6916	1.745153E-03	3.560328E-09	8.698514E-15
Mixer/IF CH 6	20	262.6377	1.723487E-03	3.583203E-03	1.212495E-14
Mixer/IF CH 7	21	263.06421	1.738316E-03	3.631971E-09	1.190380E-14
Mixer/IF CH 8	22	263.4369	1.743099E-03	3.495317E-09	1.188741E-14
Mixer/IF CH9 -14	23	262.7352	1.728822E-03	3.735996E-09	1.120497E-14

Mixer/IF CH 15	24	262.9482	1.731860E-03	3.694364E-09	1.190977E-14
IF Amp.CH11 - 14	25	263.2314	1.732163E-03	3.762795E-09	9.773389E-15
IF Amp. CH 9	26	263.0380	1.741121E-03	3.748129E-09	9.851083E-15
IF Amp. Ch.10	27	263.3186	1.742946E-03	3.730115E-09	1.125205E-14
IF Amp. Ch.11	28	264.0114	1.742906E-03	3.647763E-09	1.123192E-14
DC/DC Converter	29	262.2898	1.726485E-03	3.956736E-09	1.243824E-14
IF Amp. Ch.13	30	263.5477	1.73392E-03	3.646014E-09	1.166024E-14
IF Amp. Ch.14	31	263.2184	1.740073E-03	3.755627E-09	1.069445E-14
IF Amp. Ch.12	32	263.2916	1.732509E-03	3.836888E-09	9.925257E-15
RF Shelf A1-1	33	263.6981	1.731287E-03	3.778609E-09	9.565021E-15
RF Shelf A1-2	34	264.3354	1.748171E-03	3.357364E-09	1.082636E-14
Detector/PreAmp	35	263.7312	1.736234E-03	3.693059E-09	1.127579E-14
A1-1WarmLoad#1	36	254.5321	1.639002E-03	5.869509E-09	3.072612E-14
A1-1WarmLoad#2	37	254.0022	1.607209E-02	8.022662E-09	-2.009460E-14
A1-1WarmLoad#3	38	254.2602	1.644751E-02	5.892945E-09	3.041434E-14
A1-1WarmLoad#4	39	255.1122	1.608134E-03	6.005212E-09	3.373968E-14
A1-1WmLdCenter	40	254.8325	1.635428E-03	5.877971E-09	3.002280E-14
A1-2WarmLoad#1	41	254.4281	1.633255E-03	5.821995E-09	3.044200E-14
A1-2WarmLoad#2	42	254.4755	1.640935E-03	5.779129E-09	3.013209E-14
A1-2WarmLoad#3	43	254.2934	1.634954E-03	5.864132E-09	3.073197E-14
A1-2WarmLoad#4	44	254.5471	1.635103E-03	5.858410E-09	3.093710E-14
A1-2WmLdCenter	45	254.6261	1.639420E-03	5.849467E-09	3.133734E-14

Table D.5-16. METOP-A AMSU-A2 (S/N 108) PRT Temperature Conversion Coefficients.					
	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count2)	f_{k3} (K/count3)
Scan Motor	1	263.1324	1.746917E-03	3.795735E-09	1.231495E-14
Feedhorn	2	263.3740	1.749617E-03	3.831875E-09	1.103431E-14
RF Diplexer	3	264.3925	1.753566E-03	3.744340E-09	1.018223E-14
Mixer/IF Ch 1	4	263.1567	1.749016E-03	3.802419E-09	1.137400E-14
Mixer/IF Ch 2	5	263.1198	1.756348E-03	3.787283E-09	1.159493E-14
Ch1 DRO	6	263.5626	1.748585E-03	3.751691E-09	1.205580E-14
Ch2 DRO	7	263.9182	1.751247E-03	3.825043E-09	9.937291E-15
Compensator Motor	8	254.4755	1.745011E-03	4.094067E-09	1.029310E-14
Sub Reflector	9	263.4419	1.747650E-03	3.750830E-09	1.029786E-14
DC/DC Converter	10	263.3896	1.748861E-03	3.783287E-09	1.118430E-14
RF Shelf	11	263.2304	1.743369E-03	3.927309E-09	1.077412E-14
Detector Pre-Amp	12	2.635447	1.746484E-03	3.886169E-09	8.975719E-15
Warm Load Ctr	13	254.7548	1.647906E-03	5.906964E-09	3.154537E-14
Warm Load #1	14	254.7590	1.646893E-03	5.917976E-09	3.057754E-14

Warm Load #2	15	254.7516	1.651416E-03	5.905144E-09	2.987418E-14
Warm Load #3	16	254.5520	1.657917E-03	5.767012E-09	2.812747E-14
Warm Load #4	17	2.546245	1.640567E-03	5.931309E-09	3.082734E-14
Warm Load #5	18	254.5462	1.642780E-03	5.836231E-09	3.181955E-14
Warm Load #6	19	2.546566	1.658447E-03	5.775657E-09	3.352912E-14

Table D.5-17 contains the measured channel characteristics for METOP-A AMSU-A (channels 1-15). The central frequencies are interpolated from the temperature dependent data to 15 C. The f1, f2, f3, and f4 for channels 11-14 are computed from tabulated values. All values are for 15 C. Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.5-17. METOP-A AMSU-A Measured Channel Characteristics.							
Ch #	Instrumen t/Serial #	Central Frequenc y (GHz)	Central Wavenumbe r (cm⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f₁)	End (f₂)	Begin (f₃)	End (f₄)
1*	A2/108	23.80084	0.793910	0.00872	0.13423	N/A	N/A
2*	A2/108	31.39952	1.047375	0.00877	0.08912	N/A	N/A
3*	A1-2/106	50.29974	1.677819	0.00890	0.08900	N/A	N/A
4*	A1-2/106	52.80007	1.761221	0.00912	0.19916	N/A	N/A
5	A1-2/106	53.59597	1.787769	0.03138	0.19886	N/A	N/A
6*	A1-1/106	54.40008	1.814591	0.00915	0.19933	N/A	N/A
7*	A1-1/106	54.94034	1.832612	0.00910	0.19919	N/A	N/A
8*	A1-2/106	55.50025	1.851289	0.00914	0.16402	N/A	N/A
9*	A1-1/106	57.29034	1.911000	0.00911	0.16415	N/A	N/A
10	A1-1/106	57.29034	1.911000	0.17901	0.25534	N/A	N/A
11	A1-1/106	57.29034	1.911000	0.25681	0.29166	0.35266	0.38803
12	A1-1/106	57.29034	1.911000	0.29255	0.30798	0.33633	0.35183
13	A1-1/106	57.29034	1.911000	0.30829	0.31614	0.32822	0.33609
14	A1-1/106	57.29034	1.911000	0.31632	0.31925	0.32531	0.32825
15*	A1-1/106	89.00971	2.969044	0.49208	1.48898	N/A	N/A
* The lower frequency cutoff in these single passband channels is due to the stop band.							

MHS:

Table D.5-18. MetOp-A MHS Coefficients for Converting PRT Resistance (Ohms) to PRT Temperature (K).					
PRT #	f_{k0}	f_{k1}	f_{k2}	f_{k3}	PIE-A/B
A1	25.60900	2.406243	5.543381E-04	1.374451E-06	PIE-A
A2	26.81260	2.372602	8.631135E-04	4.432206E-07	
A3	27.62996	2.346835	1.130614E-03	-4.71123E-07	
A4	28.16592	2.333204	1.244376E-03	-7.811037E-07	
A5	41.24812	1.962822	4.728064E-03	-1.166794E-05	

B1	24.15548	2.446940	1.755666E-04	2.548063E-05	PIE-B
B2	27.44668	2.354256	1.042066E-03	-1.443646E-07	
B3	26.04405	2.395764	6.324133E-03	1.202906E-06	
B4	28.15415	2.330453	1.300758E-03	-1.058064E-06	
B5	28.10611	2.334389	1.238290E-02	-7.799834E-07	

Table D.5-19. MetOp-A MHS Resistances (Ohms) for Three PRT Calibration Channels.

Rcal_1	Rcal_2	Rcal_3	PIE-A or -B
117.989	95.286	80.597	PIE-A
117.997	95.291	80.600	PIE-B

Table D.5-20. MetOp-A MHS Coefficients for Converting Counts into Temperatures (K).

g ₀	g ₁	g ₂	g ₃	g ₄
355.9982	-0.239278	-4.85712E-03	3.59838E-05	-8.02652E-08

Note:

1. One set of coefficients applies to 24 housekeeping thermistors.

Table D.5-21 MetOp-A MHS Coefficients for Converting Counts into Current (amps) for Current Monitors .

Name	Intercept	Slope
RDM Motor	0.0	0.013370
FDM Motor	0.0	0.013370
EE+SM+5V	0.0	0.016810
Receiver+8V	-0.127700	0.021891
Receiver+15V	-0.105230	0.008110
Receiver-15V	-0.168600	0.001882

Table D.5-22. MetOp-A MHS Coefficients for Converting Volts into Temperatures (K).

h ₀	h ₁	h ₂	h ₃	h ₄	h ₅
363.4522	-108.10	64.212	-22.8659	4.110	-0.295

Table D.5-23. MetOp-A MHS Values of the Nonlinearity Parameters $m(\text{m}^2\text{-sr-cm}^{-1})/\text{mW}$.

Instru- ment Temp. (See Note 1)	Ch 16	Ch 17	Ch. 18	Ch. 19	Ch. 20	LO (C)
14.4	-1.254186 E-01	-1.53510 2E-02	-5.114453E-02	-4.692729E-02	-7.954219E-03	LO-A
25.4	-5.638002 E-03	-2.39221 3E-04	-2.953739E-02	-2.247278E-02	-2.606214E-03	LO-A
38.1	1.180412 E-02	1.670801 E-02	-1.999693E-02	-1.342902E-02	-5.011249E-04	LO-A

14.4	-7.236113 E-02	-9.90711 4E-04	-3.668495E-02	-4.150773E-02	-9.350563E-03	LO-B
25.4	-2.888378 E-02	9.733833 E-04	-1.885327E-02	-2.785992E-02	-4.907237E-03	LO-B
38.1	3.080002 E-02	3.064643 E-02	-1.339739E-02	-1.900996E-02	3.557148E-03	LO-B
Note: 1. QBS5 temperature.						

Table D.5-24. MetOp-A MHS Wavenumbers and Band-Correction Factors.			
Channel Number	Wavenumber (cm-1)	Band-correction factors: $T_w = b + c * T_w$	
		b	c
16	2.968720	0.0	1.0
17	5.236956	0.0	1.0
18	6.114597	0.0	1.0
19	6.114597	-0.0031	1.00027
20	6.348092	0.0	1.0

Table D.5-25. MetOp-A MHS (PFM, S/N=103) Channel IF Characteristics.				
Channel	Nominal Center Frequency (GHz)	Lower IF -3 dB Frequency (GHz)	Upper IF -3 dB Frequency (GHz)	# Bandpasses
H1	89.000	0.111	1.206	1
H2	157.000	0.112	1.208	1
H3	183.311	0.750	1.210	2
H4	183.311	2.525	3.434	2
H5	190.311	0.113	1.079	1

D.6 NOAA-19 (P)

Launch date February 6, 2009

Operational dates: XXXXX YY, 2009 - present

Afternoon orbit: 1400 LST ascending node, 0200 LST descending node

AVHRR instrument: 6 channels (AVHRR/3)

Spacecraft ID (PACS): 8

- AVHRR: 13
- TIP 1 (TIP side 1): 15
- TIP 2 (TIP side 2): 0

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>.

AVHRR:

Table D.6-1 contains the PRT weighting factors for NOAA-19 and Table D.6-2 contains the radiance of space and the coefficients for nonlinear radiance correction quadratic for NOAA-19.

Table D.6-1. NOAA-19 PRT Weighting Factors.			
b₁	b₂	b₃	b₄
1.00	1.00	1.00	1.00

Table D.6-2. NOAA-19 Radiance of Space and Coefficients for Nonlinear Radiance Correction Quadratic.				
	N_s	b₀	b₁	b₂
Channel 4	-5.49	5.70	-0.11187	0.00054668
Channel 5	-3.39	3.58	-0.05991	0.00024985

Table D.6-3 contains NOAA-19 coefficients d_0 , d_1 , d_2 , d_3 and d_4 that relate temperature, T_{PRT} (Kelvin) of each PRT to count value, C_{PRT} , by the equation:

$$T_{PRT} = d_0 + d_1 C_{PRT} + d_2 C_{PRT}^2 + d_3 C_{PRT}^3 + d_4 C_{PRT}^4$$

Table D.6-3. NOAA-19 AVHRR/3 Conversion Coefficients.

PRT	d ₀	d ₁	d ₂	d ₃	d ₄
1	276.6067	0.051111	1.405783E-06	0	0
2	276.6119	0.051090	1496037E-06	0	0
3	276.6311	0.051033	1.496990E-06	0	0
4	276.6268	0.051058	1.493110E-06	0	0

Table D.6-4 contains the pre-launch calibration coefficients (albedo representation) for the AVHRR/3 instrument on NOAA-19.

Table D.6-4. NOAA-19 AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	0.055091	-2.1415
	High albedo range (26 - 100%)	0.16253	-55.863
2	Low albedo range (0-25%)	0.054892	-2.1288
	High albedo range (26 - 100%)	0.16325	-56.445
3A	Low albedo range (0-12.5%)	0.027174	-1.0881
	High albedo range (12.6 - 100%)	0.18798	-81.491
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 496.43, 500.37 and 496.11 counts for channels 1, 2, and 3A respectively. This information is based on the data in AVHRR S/N A308 Alignment/ Calibration Handbook (Report 8172845, Rev B), January 2002.			

Table D.6-5 contains a summary of the spectral response data as a function of wavenumber for all channels of the NOAA-19 AVHRR/3.

Table D.6-5. Summary of NOAA-19 AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15245.00 and had a value of 1.00.		
File starting point is at wavenumber = 12050.00.		
File ending point is at wavenumber = 23250.00		
Moment Center Wavenumber = 15784.2371		
Percent line at which curve crosses	Wavenumber (cm ⁻¹)	μm
0.10%	14277.3867	0.7004
1.00%	14435.2715	0.6927
5.00%	14547.8086	0.6874
10.00%	14596.3428	0.6851
20.00%	14646.1045	0.6828
50.00%	14719.5938	0.6794
80.00%	14775.4219	0.6768
80.00%	16136.7061	0.6197
50.00%	16975.2773	0.5891
20.00%	17092.8984	0.5850

10.00%		17135.2090		0.5836	
5.00%		17173.8555		0.5823	
1.00%		17257.7148		0.5795	
0.10%		17381.7168		0.5753	
Area Point Limits	Lower (cm ⁻¹)			Upper (cm ⁻¹)	
99%	14611.3325			17155.3547	
96%	14713.6513			17020.1521	
70%	14999.1219			16578.3560	
50%	15197.3522			16304.9342	
0% (area center)	15706.8209			15706.8209	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	14775.4219	16136.7061	1361.2842	15456.0645	
50%	14719.5938	16975.2773	2255.6836	15847.4355	
20%	14646.1045	17092.8984	2446.7939	15869.5020	
5%	14575.8086	17173.8555	2626.0469	15860.8320	
Channel 2					
The peak wavenumber was at 13015.00 and had a value of 1.00					
File starting point is at wavenumber = 9330.0					
File ending point is at wavenumber = 19995.00					
Moment Center Wavenumber = 12118.8910					
Percent line at which curve crosses		Wavenumber (cm ⁻¹)		μm	
0.10%		9733.5342		1.0274	
1.00%		9887.1338		1.0114	
5.00%		9990.2021		1.0010	
10.00%		10037.7236		0.9962	
20.00%		10090.7480		0.9910	
50.00%		10326.6875		0.9684	
80.00%		11177.6660		0.8946	
80.00%		13599.9355		0.7353	
50.00%		13682.8701		0.7308	
20.00%		14088.4570		0.7098	
10.00%		14169.1123		0.7058	
5.00%		14204.4639		0.7040	
1.00%		14262.6563		0.7011	
0.10%		14311.8359		0.6987	
Area Point Limits	Lower (cm ⁻¹)			Upper (cm ⁻¹)	
99%	10091.7059			14112.1979	
96%	10223.4542			13894.4594	
70%	10886.0980			13272.9090	
50%	11286.8298			12953.4698	
0% (area center)	12159.4505			12159.4505	
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	11177.6660	13599.9355	2422.2695	12388.8008	

50%	10326.6875	13682.8701	3356.1826	12004.7793
20%	10090.7480	14088.4580	3997.7090	12089.6025
5%	9990.2021	14204.4639	4214.2617	12097.3330
Channel 3A				
The peak wavenumber was at 6235.00 and had a value of 1.00				
File starting point is at wavenumber = 5785.00				
File ending point is at wavenumber = 6705.00				
Moment Center Wavenumber 6211.8197				
Percent line at which curve crosses	Wavenumber (cm⁻¹)		μm	
0.10%	6046.6797		1.6538	
1.00%	6072.6411		1.6467	
5.00%	6090.9370		1.6418	
10.00%	6098.2715		1.6398	
20.00%	6106.4868		1.6376	
50.00%	6119.6953		1.6341	
80.00%	6139.9287		1.6287	
80.00%	6284.6509		1.5912	
50.00%	6298.6855		1.5876	
20.00%	6314.8867		1.5836	
10.00%	6324.3354		1.5812	
5.00%	6333.8184		1.5788	
1.00%	6353.1025		1.5740	
0.10%	6378.2261		1.5678	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	6090.0225		6325.4298	
96%	6105.7971		6307.1501	
70%	6140.6003		6270.4051	
50%	6161.3471		6252.5217	
0% (area center)	6207.9813		6207.9813	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	6139.9287	6284.6509	144.7222	6212.2900
50%	6119.6953	6298.6855	178.9902	6209.1904
20%	6106.4868	6314.8867	208.3999	6210.6585
5%	6090.9370	6333.8184	242.8813	6212.3779
Channel 3B				
The peak wavenumber was 2637.10 and had a value of 1.00				
File starting point is at wavenumber = 2222.80				
File ending point is at wavenumber = 3355.50				
Moment Center Wavenumber = 2671.6576				
Percent line at which curve crosses	Wavenumber (cm⁻¹)		μm	
0.10%	2448.4192		4.0843	
1.00%	2484.5686		4.0248	
5.00%	2506.5439		3.9896	

10.00%	2514.9836	3.9762		
20.00%	2523.1853	3.9632		
50.00%	2536.3921	3.9426		
80.00%	2547.4993	3.9254		
80.00%	2788.9141	3.5856		
50.00%	2807.8833	3.5614		
20.00%	2825.3647	3.5394		
10.00%	2836.7681	3.5251		
5.00%	2849.6602	3.5092		
1.00%	2892.9617	3.4567		
0.10%	2932.2212	3.4104		
Area Point Limits	Lower (cm ⁻¹)	Upper (cm ⁻¹)		
99%	2515.1558	2847.6939		
96%	2532.6810	2819.0035		
70%	2574.3126	2768.6907		
50%	2602.5630	2739.4841		
0% (area center)	2670.1419	2670.1419		
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)
80%	2547.4993	2788.9141	241.4148	2668.2065
50%	2536.3921	2807.8833	271.4912	2672.1377
20%	2523.1853	2825.3647	302.1794	2674.2749
5%	2506.5439	2849.6602	343.1162	2678.1021
Channel 4				
The peak wavenumber was at 930.10 and had a value of 1.00				
File starting point is at wavenumber = 781.30				
File ending point is at wavenumber = 1136.20				
Moment Center Wavenumber = 927.8562				
Percent line at which curve crosses		Wavenumber (cm ⁻¹)	μm	
0.10%		860.4455	11.6219	
1.00%		867.0934	11.5328	
5.00%		873.5565	11.4475	
10.00%		876.3755	11.4106	
20.00%		879.3934	11.3715	
50.00%		884.9036	11.3007	
80.00%		891.6128	11.2156	
80.00%		982.7612	10.3868	
50.00%		969.4493	10.3151	
20.00%		976.8189	10.2373	
10.00%		980.9343	10.1944	
5.00%		984.2503	10.1600	
1.00%		991.1509	10.0893	
0.10%		998.7431	10.0126	
Area Point Limits	Lower (cm ⁻¹)		Upper (cm ⁻¹)	

99%	876.3665		981.2958	
96%	882.2563		974.2485	
70%	897.5380		957.5587	
50%	906.5371		948.8781	
0% (area center)	927.8242		927.8242	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	891.6128	962.7612	71.1484	927.1870
50%	884.9036	969.4493	84.5458	927.1765
20%	879.3934	976.8189	97.4255	928.1061
5%	873.5565	984.2503	110.6938	928.9034
Channel 5				
The peak wavenumber was at 829.20 and had a value of 1.00				
File starting point is at wavenumber = 714.30				
File ending point is at wavenumber = 999.90				
Moment Center Wavenumber = 831.1655				
Percent line at which curve crosses		Wavenumber (cm⁻¹)	μm	
0.10%		787.1896	12.7037	
1.00%		789.5375	12.6656	
5.00%		792.3710	12.6204	
10.00%		793.3877	12.6042	
20.00%		794.7257	12.5830	
50.00%		797.0346	12.5465	
80.00%		799.4598	12.5084	
80.00%		862.8540	11.5894	
50.00%		864.9755	11.5610	
20.00%		867.2474	11.5307	
10.00%		868.6052	11.5127	
5.00%		869.9035	11.4955	
1.00%		872.5797	11.4603	
0.10%		875.9991	11.4155	
Area Point Limits	Lower (cm⁻¹)		Upper (cm⁻¹)	
99%	793.8878		867.7935	
96%	797.0874		864.6695	
70%	807.1328		854.7998	
50%	814.1522		847.9620	
0% (area center)	831.1863		831.1863	
Crossing	Lower (cm⁻¹)	Upper (cm⁻¹)	Width (cm⁻¹)	Center (cm⁻¹)
80%	799.4598	862.8540	63.3942	831.1569
50%	797.0346	864.9755	67.9409	831.0050
20%	794.7257	867.2474	72.5217	830.9866
5%	792.3710	869.9035	77.5325	831.1372

Table D.6-6 contains NOAA-19 AVHRR/3 solar reflectance channel information such as equivalent width, w , effective central wavelength, λ_e , and in-band solar irradiance, F .

Table D.6-6. NOAA-19 AVHRR/3 Solar Reflectance Channel Information.			
Channel	Equivalent Width w (μm)	Effective Wavelength λ_e (μm)	Extraterrestrial Solar Irradiance in Band F (W/m^2)
1	0.077580	0.636153	126.773
2	0.217591	0.832045	225.698
3A	0.436100	1.610063	10.650
Note: These quantities are based on the solar irradiance data of <i>Neckel and Labs</i> (1984), which is a widely used source of such data.			

Table D.6-7 contains the temperature-to-radiance coefficients for NOAA-19 AVHRR/3 Channels 3B, 4 and 5.

Table D.6-7. NOAA-19 AVHRR/3 Thermal Channel Temperature-to-Radiance Coefficients			
	U_C	A	B
Channel 3B	2670.0	1.67396	0.997364
Channel 4	928.9	0.53959	0.998534
Channel 5	831.9	0.36064	0.998913

Tables D.6-8 and D.6-9 contain the corresponding spectral response values for NOAA-19 AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.6-8. NOAA-19 AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A.					
Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response	Wavelength (μm)	Relative Response	Wavelength (μm)	Relative Response
0.430	-2.9943E-02	0.500	-5.0261E-03	1.490	2.4373E-04
0.432	9.2429E-03	0.504	6.3735E-03	1.491	-2.2604E-05
0.434	6.0742E-03	0.508	2.9337E-03	1.492	-6.9208E-05
0.436	2.7478E-03	0.512	-5.8908E-03	1.493	-7.7964E-04
0.438	3.2893E-03	0.516	4.3506E-03	1.494	-6.8317E-05
0.440	-7.1737E-03	0.520	-4.7338E-03	1.495	1.1481E-04
0.442	5.9890E-03	0.524	-3.6317E-03	1.496	-4.6999E-04
0.444	-7.5075E-03	0.528	-2.8002E-03	1.497	5.4964E-04
0.446	-1.0913E-02	0.532	2.4736E-03	1.498	2.5358E-04
0.448	2.9692E-04	0.536	-3.8531E-03	1.499	-6.0007E-05

0.450	-1.0079E-02	0.540	-5.5811E-03	1.500	3.2662E-04
0.452	3.0344E-03	0.544	-1.8047E-03	1.501	-8.4790E-05
0.454	-8.8801E-04	0.548	2.8162E-03	1.502	3.2176E-04
0.456	2.7729E-03	0.552	-1.0478E-04	1.503	4.0471E-04
0.458	5.1723E-03	0.556	-1.7851E-03	1.505	6.3005E-05
0.460	6.2540E-03	0.560	1.3201E-03	1.506	-2.6885E-04
0.462	6.2540E-03	0.564	2.4365E-03	1.507	-5.3276E-04
0.464	3.9368E-03	0.568	-2.6308E-04	1.508	-1.0498E-03
0.466	-3.3706E-03	0.572	-1.9784E-03	1.509	-1.3701E-03
0.468	-4.4691E-03	0.576	-1.0509E-03	1.510	-1.7843E-04
0.470	-4.2346E-03	0.580	-4.8359E-04	1.511	-4.8055E-04
0.472	1.8317E-03	0.584	-3.0880E-04	1.512	2.5209E-04
0.474	6.5196E-04	0.588	1.0308E-03	1.513	-7.2523E-04
0.476	-1.1851E-03	0.592	2.0307E-04	1.514	2.4294E-04
0.478	-5.1779E-03	0.596	1.8671E-03	1.516	6.5051E-04
0.480	4.3210E-03	0.600	2.0190E-03	1.515	-1.4115E-03
0.482	-1.2852E-03	0.604	3.9268E-04	1.517	-1.2555E-03
0.484	1.1640E-03	0.608	1.7316E-04	1.518	-1.1165E-03
0.486	7.7510E-04	0.612	-1.6066E-03	1.519	-9.9899E-04
0.488	1.8405E-03	0.616	5.3819E-05	1.520	-4.4164E-05
0.490	-7.8470E-05	0.620	-1.3930E-04	1.521	-1.9976E-04
0.492	1.1779E-03	0.624	5.1013E-04	1.522	2.6514E-04
0.494	8.7176E-04	0.628	6.3060E-04	1.523	-9.2285E-04
0.496	2.5191E-04	0.632	6.7945E-04	1.524	-4.6372E-04
0.498	-4.6756E-04	0.636	1.8426E-04	1.525	-1.8411E-04
0.500	6.3085E-05	0.640	8.9384E-05	1.526	2.5693E-04
0.502	-1.1229E-03	0.644	-7.0120E-04	1.527	5.3200E-05
0.504	2.8985E-04	0.648	-3.8943E-04	1.528	-3.3899E-04
0.506	2.1955E-03	0.652	9.4570E-05	1.529	-3.2231E-04
0.508	-3.7142E-04	0.656	-3.6516E-04	1.530	-7.3016E-04
0.510	2.9956E-04	0.660	4.6551E-04	1.531	-3.9427E-04
0.512	-4.4650E-04	0.664	1.2291E-03	1.532	3.9237E-04
0.514	2.7264E-04	0.668	-5.8268E-04	1.533	2.1647E-04
0.516	2.9213E-04	0.672	2.2996E-04	1.534	-2.5796E-04
0.518	5.4828E-04	0.676	6.5962E-04	1.535	3.9057E-04
0.520	1.1532E-04	0.680	9.6439E-04	1.536	6.7845E-05
0.522	5.3993E-04	0.684	2.9117E-04	1.537	-1.6842E-04
0.524	-3.3914E-04	0.688	-6.6994E-04	1.538	-3.8447E-05
0.526	4.1488E-04	0.692	-8.1379E-04	1.539	-1.4491E-04
0.528	7.0550E-04	0.692	-8.1379E-04	1.540	-2.5205E-04
0.530	-7.6043E-04	0.696	2.0777E-05	1.541	-7.8803E-05
0.532	7.4705E-04	0.700	4.1248E-03	1.542	-4.9909E-04
0.534	-7.3284E-04	0.704	4.9883E-02	1.543	8.4768E-04

0.536	1.5574E-04	0.708	1.6646E-01	1.544	-2.3240E-04
0.538	-7.6428E-04	0.712	2.1896E-01	1.545	-1.5828E-03
0.540	-3.2720E-04	0.716	2.2092E-01	1.546	-4.2156E-04
0.542	8.3113E-05	0.720	2.3091E-01	1.547	-1.2965E-05
0.544	-1.4336E-03	0.724	2.6893E-01	1.548	-1.2591E-03
0.546	2.4389E-04	0.728	3.5781E-01	1.549	1.0484E-04
0.548	4.1211E-04	0.732	5.7614E-01	1.550	4.5950E-04
0.550	-5.8985E-04	0.736	8.3174E-01	1.551	5.0971E-04
0.552	-1.1015E-03	0.740	8.6574E-01	1.552	2.5695E-04
0.554	-6.2537E-04	0.744	8.7314E-01	1.553	-8.2996E-04
0.556	-2.4298E-04	0.748	9.0842E-01	1.554	-9.0095E-04
0.558	-5.1894E-04	0.752	9.3928E-01	1.555	-4.6079E-04
0.560	6.5793E-04	0.756	9.5824E-01	1.556	4.7326E-04
0.562	-5.7906E-04	0.760	9.7731E-01	1.557	1.8289E-04
0.564	-1.3792E-04	0.764	9.8472E-01	1.558	4.3296E-04
0.566	-1.3750E-04	0.768	1.0000E+00	1.559	-6.8567E-04
0.568	5.4153E-04	0.772	9.9069E-01	1.560	-5.7773E-05
0.570	-7.2616E-05	0.776	9.9136E-01	1.561	3.0230E-04
0.572	-1.4429E-04	0.780	9.8762E-01	1.562	6.0411E-04
0.574	2.1713E-04	0.784	9.7624E-01	1.563	-3.9514E-04
0.576	1.4840E-03	0.788	9.8295E-01	1.564	-5.0335E-06
0.578	3.9810E-03	0.792	9.9059E-01	1.565	5.2504E-04
0.580	1.3881E-02	0.796	9.9221E-01	1.566	8.3718E-04
0.582	4.2846E-02	0.800	9.8953E-01	1.567	3.4234E-04
0.584	1.2288E-01	0.804	9.7948E-01	1.568	1.3839E-03
0.586	2.8621E-01	0.808	9.8666E-01	1.569	1.6536E-03
0.588	4.5575E-01	0.812	9.8475E-01	1.570	2.3012E-03
0.590	5.1453E-01	0.816	9.8296E-01	1.571	3.4033E-03
0.592	5.1965E-01	0.820	9.7133E-01	1.572	4.6242E-03
0.594	5.3681E-01	0.824	9.5878E-01	1.573	7.2385E-03
0.596	5.7012E-01	0.828	9.5319E-01	1.574	9.4639E-03
0.598	6.0850E-01	0.832	9.5154E-01	1.575	1.3567E-02
0.600	6.4139E-01	0.836	9.4219E-01	1.576	1.9459E-02
0.602	6.6934E-01	0.840	8.9081E-01	1.577	2.7512E-02
0.604	6.8482E-01	0.844	9.1471E-01	1.578	3.6578E-02
0.606	6.9256E-01	0.848	8.9603E-01	1.579	5.2677E-02
0.608	7.0133E-01	0.852	8.7506E-01	1.580	7.3386E-02
0.610	7.1354E-01	0.856	8.7178E-01	1.581	9.3609E-02
0.612	7.2765E-01	0.860	8.6962E-01	1.582	1.2570E-01
0.614	7.4481E-01	0.864	8.7270E-01	1.583	1.7316E-01
0.616	7.6429E-01	0.868	8.7396E-01	1.584	2.2347E-01
0.618	7.8278E-01	0.872	8.7461E-01	1.585	2.9052E-01
0.620	8.0269E-01	0.876	8.6916E-01	1.586	3.5618E-01

0.622	8.1636E-01	0.880	8.5654E-01	1.587	4.4414E-01
0.624	8.2512E-01	0.884	8.4021E-01	1.588	5.3144E-01
0.626	8.2641E-01	0.888	8.2235E-01	1.589	6.2332E-01
0.628	8.2204E-01	0.892	8.0865E-01	1.590	6.9553E-01
0.630	8.1813E-01	0.896	7.9412E-01	1.591	7.8787E-01
0.632	8.1621E-01	0.900	7.7293E-01	1.592	8.5588E-01
0.634	8.1921E-01	0.904	7.6644E-01	1.593	8.8924E-01
0.636	8.3074E-01	0.908	7.5983E-01	1.594	9.2640E-01
0.638	8.6522E-01	0.912	7.5791E-01	1.595	9.4272E-01
0.640	8.7247E-01	0.916	7.5408E-01	1.596	9.2135E-01
0.642	8.9990E-01	0.920	7.4768E-01	1.597	9.8539E-01
0.644	9.3020E-01	0.924	7.3407E-01	1.598	9.6125E-01
0.646	9.5450E-01	0.928	7.1713E-01	1.599	9.6392E-01
0.648	9.7145E-01	0.932	6.9676E-01	1.600	9.5103E-01
0.650	9.8451E-01	0.936	6.7667E-01	1.601	9.2583E-01
0.652	9.9220E-01	0.940	6.5775E-01	1.602	9.2063E-01
0.654	9.9734E-01	0.944	6.3547E-01	1.603	9.6318E-01
0.656	1.0000E+00	0.948	6.1595E-01	1.604	1.0000E+00
0.658	9.9658E-01	0.952	5.9274E-01	1.605	9.4541E-01
0.660	9.8962E-01	0.956	5.6570E-01	1.606	9.4715E-01
0.662	9.7593E-01	0.960	5.4043E-01	1.607	9.1251E-01
0.664	9.5595E-01	0.964	5.1978E-01	1.608	9.4454E-01
0.666	9.3995E-01	0.968	5.0162E-01	1.609	9.2512E-01
0.668	9.3151E-01	0.972	4.8427E-01	1.610	9.5262E-01
0.670	9.3820E-01	0.976	4.6435E-01	1.611	9.2287E-01
0.672	9.5769E-01	0.980	4.3105E-01	1.612	9.5803E-01
0.674	9.5948E-01	0.984	3.6929E-01	1.613	9.0318E-01
0.676	8.7178E-01	0.988	2.7605E-01	1.614	9.4496E-01
0.678	6.6531E-01	0.992	1.7687E-01	1.615	8.8500E-01
0.680	4.2825E-01	0.996	1.0340E-01	1.616	9.1539E-01
0.682	2.5001E-01	1.000	5.8061E-02	1.617	9.1773E-01
0.684	1.3896E-01	1.004	3.1059E-02	1.618	8.7004E-01
0.686	7.6362E-02	1.008	1.7129E-02	1.619	9.2697E-01
0.688	4.1400E-02	1.012	9.0969E-03	1.620	8.7580E-01
0.690	2.2800E-02	1.016	5.0946E-03	1.621	8.0638E-01
0.692	1.2642E-02	1.020	2.8882E-03	1.622	8.1260E-01
0.694	6.7116E-03	1.024	1.7904E-03	1.623	8.1246E-01
0.696	4.0024E-03	1.028	8.6130E-04	1.624	8.0479E-01
0.698	2.0872E-03	1.032	3.0328E-04	1.625	8.1646E-01
0.700	1.0729E-03	1.036	4.4367E-04	1.626	8.1218E-01
0.702	7.4570E-04	1.040	2.8758E-06	1.627	8.1875E-01
0.704	6.7405E-05	1.044	3.0576E-05	1.628	8.2461E-01
0.706	5.4160E-04	1.048	5.9338E-05	1.629	7.9180E-01

0.708	1.3081E-04	1.052	1.8313E-04	1.630	7.9113E-01
0.710	1.1105E-04	1.056	-2.3012E-05	1.631	7.3096E-01
0.712	-7.0116E-04	1.060	-4.5070E-05	1.632	6.7012E-01
0.714	4.9319E-04	1.064	1.1312E-05	1.633	5.8548E-01
0.716	2.9259E-04	1.068	-9.9343E-05	1.634	5.0800E-01
0.718	-3.3320E-05	1.072	2.2232E-04	1.635	3.9659E-01
0.720	4.7742E-04			1.636	3.1241E-01
0.722	2.7332E-04			1.637	2.4013E-01
0.724	-4.6719E-04			1.638	1.7304E-01
0.726	1.3695E-04			1.639	1.3048E-01
0.728	3.9248E-04			1.640	9.0034E-02
0.730	-7.1954E-04			1.641	6.2458E-02
0.732	3.3948E-04			1.642	4.6096E-02
0.734	-1.8894E-05			1.643	3.2768E-02
0.736	-6.4194E-05			1.644	2.4271E-02
0.738	2.6601E-05			1.645	1.7752E-02
0.740	-5.3629E-04			1.646	1.2576E-02
0.742	7.5733E-06			1.647	8.5135E-03
0.744	-6.6665E-04			1.648	6.7330E-03
0.746	-4.3763E-06			1.649	4.3174E-03
0.748	-4.7935E-04			1.650	3.1974E-03
0.750	-2.6972E-05			1.651	1.9867E-03
0.752	7.6734E-05			1.652	1.4869E-03
0.754	-5.4855E-04			1.653	1.9413E-03
0.756	1.7352E-04			1.654	8.0586E-04
0.758	1.6267E-04			1.655	1.7052E-05
0.760	1.2034E-04			1.656	-7.7357E-05
0.762	3.1201E-04			1.657	2.8368E-04
0.764	-1.7706E-04			1.658	-3.8791E-04
0.766	3.4303E-04			1.659	4.4410E-04
0.768	1.8588E-04			1.660	3.8053E-04
0.770	-2.7590E-04			1.661	1.4949E-04
0.772	1.1495E-04			1.662	4.0254E-04
0.774	-4.3011E-07			1.663	-4.7127E-04
0.776	1.9273E-04			1.664	1.4883E-04
0.778	5.3607E-05			1.665	3.0713E-04
0.780	-4.5914E-04			1.666	6.8972E-05
0.782	2.3406E-05			1.667	-2.1537E-04
0.784	-1.1351E-03			1.668	-1.9702E-04
0.786	4.3329E-04			1.669	3.0395E-04
0.788	2.5103E-04			1.670	5.9870E-04
0.790	1.1779E-03			1.670	5.9870E-04
0.792	8.1592E-05			1.671	6.8043E-04

0.794	7.8020E-04			1.672	1.0607E-04
0.796	-2.5775E-04			1.673	-2.7909E-05
0.798	-2.7705E-04			1.674	-1.0946E-03
0.800	3.0293E-04			1.675	1.9403E-04
0.802	1.2478E-04			1.676	2.6866E-04
0.804	-6.1366E-04			1.677	-4.0022E-04
0.806	5.8777E-04			1.678	-1.9190E-04
0.808	1.4699E-04			1.679	4.3249E-04
0.810	-1.0326E-03			1.680	7.3851E-04
0.812	7.8381E-04			1.681	-2.7595E-04
0.814	-5.0694E-04			1.682	7.6072E-05
0.816	3.2526E-04			1.683	7.5412E-05
0.818	-9.5339E-04			1.684	-2.6819E-04
0.820	1.0490E-04			1.685	-1.0360E-04
0.822	3.7156E-04			1.686	-2.8719E-05
0.824	3.3002E-04			1.687	-1.3566E-04
0.826	-3.5976E-04			1.688	7.3114E-06
0.828	-2.9196E-04			1.689	-3.4162E-04
0.830	-1.3384E-04			1.690	-8.3979E-04
				1.691	5.7519E-04
				1.692	2.1525E-04
				1.693	-4.6752E-04
				1.694	-1.5867E-03
				1.695	-4.0829E-04
				1.696	-2.8730E-04
				1.697	-1.7545E-04
				1.698	1.3792E-04
				1.699	-4.6143E-04
				1.700	-1.4469E-04
				1.701	6.6102E-05
				1.702	7.1965E-04
				1.703	-6.5688E-04
				1.704	2.8322E-04
				1.705	6.3412E-04
				1.706	5.1053E-04
				1.707	1.9481E-04
				1.708	1.6537E-04
				1.709	1.5471E-04
				1.710	-5.7936E-05
				1.711	-7.5810E-05
				1.712	7.1483E-04
				1.713	-1.5504E-04
				1.714	1.4941E-04

				1.715	8.3300E-04
				1.716	5.7810E-04
				1.717	3.7068E-05
				1.718	1.1283E-04
				1.719	-3.9059E-04
				1.720	-2.2420E-04
				1.721	-4.2307E-04
				1.722	-1.6457E-04
				1.723	3.4163E-04
				1.724	-7.0276E-04
				1.725	4.3032E-04
				1.726	-1.0234E-03
				1.727	3.2052E-04
				1.728	-3.2346E-04
				1.729	5.0819E-04
				1.730	-5.2272E-04

Table D.6-9. NOAA-19 AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5.

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response	Wavelength (μm)	Relative Response	Wavelength (μm)	Relative Response
2.980	3.4501E-06	8.800	3.6861E-04	10.000	5.6318E-04
2.987	8.3767E-06	8.820	2.9838E-04	10.020	-6.2907E-04
2.994	1.5767E-05	8.840	4.8992E-04	10.040	-2.1863E-04
3.001	-5.1658E-05	8.860	6.6138E-05	10.060	-7.2595E-04
3.008	-2.9619E-05	8.880	1.7468E-04	10.080	-3.3386E-04
3.015	2.6856E-06	8.900	9.3140E-05	10.100	-5.4509E-04
3.022	2.5951E-05	8.920	2.7873E-06	10.120	-6.0754E-04
3.029	-1.9897E-05	8.940	1.6380E-04	10.140	-1.0729E-03
3.036	3.3018E-05	8.960	3.2264E-05	10.160	-3.5918E-04
3.043	2.1270E-05	8.980	-2.4380E-05	10.180	5.2489E-05
3.050	1.9397E-05	9.000	-8.6566E-06	10.200	-4.1883E-04
3.057	-3.4031E-05	9.020	1.3346E-05	10.220	-6.2141E-04
3.064	-1.8114E-05	9.040	2.7965E-05	10.240	-7.8193E-04
3.071	4.1908E-05	9.060	5.1193E-05	10.260	-4.8686E-04
3.078	8.1638E-06	9.080	-1.1371E-04	10.280	6.6547E-05
3.085	-7.6704E-05	9.100	-2.1066E-05	10.300	-9.0574E-04
3.092	-1.0538E-04	9.120	-1.2132E-04	10.320	-4.3211E-04
3.099	-2.8440E-05	9.140	-8.8341E-06	10.340	-8.1826E-04
3.106	4.7786E-05	9.160	9.4186E-06	10.360	-8.3298E-04
3.113	2.7159E-05	9.180	-4.0183E-05	10.380	-9.8842E-04
3.120	2.0938E-05	9.200	-4.8348E-05	10.400	4.4988E-05
3.127	1.0109E-05	9.220	1.6809E-04	10.420	8.8586E-01
3.134	-1.9824E-05	9.240	1.5505E-04	10.440	9.1841E-01
3.141	3.0857E-05	9.260	1.3673E-04	10.460	9.3837E-01
3.148	-3.6742E-06	9.280	-1.5771E-05	10.480	9.5512E-01
3.155	-2.2168E-05	9.300	1.2265E-04	10.500	9.5959E-01
3.162	-6.4889E-05	9.320	-7.9080E-05	10.520	9.6115E-01
3.169	6.7681E-06	9.340	-1.6404E-04	10.540	9.6494E-01
3.176	8.5868E-06	9.360	5.6598E-04	10.560	9.7232E-01
3.183	-2.3139E-05	9.380	1.8401E-04	10.580	9.7247E-01
3.190	-2.4762E-05	9.400	8.2740E-05	10.600	9.6773E-01
3.197	-3.4833E-05	9.420	6.3869E-05	10.620	9.6102E-01
3.204	-8.3428E-06	9.440	-7.9399E-05	10.640	9.7473E-01
3.211	2.5956E-05	9.460	-1.6312E-04	10.660	9.7451E-01
3.218	1.2721E-05	9.480	1.3116E-04	10.680	9.9368E-01
3.225	-6.1647E-05	9.500	-1.6674E-04	10.700	9.8649E-01
3.232	7.7748E-05	9.520	-5.8907E-06	10.720	9.9700E-01
3.239	-9.1399E-06	9.540	-2.5484E-04	10.740	1.0000E+00
3.246	-1.8269E-05	9.560	-1.8493E-04	10.760	9.9961E-01

3.253	8.7131E-06	9.580	4.4130E-05	10.780	9.8938E-0
3.260	2.7112E-05	9.600	-1.7856E-05	10.800	9.7762E-01
3.267	-7.0045E-05	9.620	-2.8859E-05	10.820	1.0441E-03
3.274	4.8549E-05	9.640	2.3102E-04	10.840	8.5037E-05
3.281	2.4700E-05	9.660	-1.8940E-04	10.860	2.8112E-03
3.288	9.7179E-06	9.680	-5.1825E-05	10.880	1.0848E-03
3.295	4.6883E-05	9.700	-2.3170E-04	10.900	5.2293E-04
3.302	1.3811E-04	9.720	-2.2936E-04	10.920	1.5944E-03
3.316	5.2427E-05	9.740	-3.0975E-04	10.940	1.0311E-03
3.309	1.6350E-04	9.760	-2.2820E-04	10.960	-9.9573E-05
3.323	3.5735E-05	9.780	-1.6011E-04	10.980	4.1718E-04
3.330	1.3522E-04	9.800	-2.8371E-05	11.000	-7.0797E-04
3.337	8.3772E-05	9.820	-2.4630E-04	11.020	-1.5227E-03
3.344	7.9643E-05	9.840	3.8566E-05	11.040	-8.9280E-04
3.351	1.4066E-04	9.860	-1.6060E-04	11.060	-1.3871E-03
3.358	1.1526E-04	9.880	-3.6850E-05	11.080	-1.9214E-04
3.365	1.5506E-04	9.900	1.5881E-04	11.100	8.4211E-04
3.372	1.5009E-04	9.920	7.1544E-05	11.120	5.7674E-04
3.379	1.7844E-04	9.940	-3.6366E-04	11.140	-1.2968E-04
3.386	3.4738E-04	9.960	2.6271E-05	11.160	-1.6632E-03
3.393	3.7636E-04	9.980	2.9011E-04	11.180	-9.1153E-04
3.400	5.9970E-04	10.000	6.3338E-04	11.200	-8.5143E-04
3.407	8.0918E-04	10.020	1.3145E-03	11.220	-1.4113E-03
3.414	1.2406E-03	10.040	2.6344E-03	11.240	-9.4531E-04
3.421	1.7939E-03	10.060	4.6452E-03	11.260	4.3440E-04
3.428	2.8513E-03	10.080	7.9761E-03	11.280	-1.1453E-03
3.435	3.9479E-03	10.100	1.2900E-02	11.300	-1.2577E-03
3.442	5.5813E-03	10.120	2.0627E-02	11.320	-1.1730E-03
3.449	7.5315E-03	10.140	3.2227E-02	11.340	-5.8341E-04
3.456	9.7840E-03	10.160	5.0001E-02	11.360	-4.9172E-04
3.463	1.2122E-02	10.180	7.5545E-02	11.380	-8.7076E-04
3.470	1.4971E-02	10.200	1.1074E-01	11.400	-3.6770E-04
3.477	1.8290E-02	10.220	1.5356E-01	11.420	1.2294E-03
3.484	2.1854E-02	10.240	2.0807E-01	11.440	2.0724E-03
3.491	2.6709E-02	10.260	2.7227E-01	11.460	9.8480E-03
3.498	3.3221E-02	10.280	3.4463E-01	11.480	2.5554E-02
3.505	4.2994E-02	10.300	4.3445E-01	11.500	6.0109E-02
3.512	5.5757E-02	10.320	5.2173E-01	11.520	1.3300E-01
3.519	7.5815E-02	10.340	6.1521E-01	11.540	2.7534E-01
3.526	1.0415E-01	10.360	7.0200E-01	11.560	4.8804E-01
3.533	1.4699E-01	10.380	7.7698E-01	11.580	7.1559E-01
3.540	2.0600E-01	10.400	8.4099E-01	11.600	8.6876E-01
3.547	2.8264E-01	10.420	8.8586E-01	11.620	9.2259E-01

3.554	3.8244E-01	10.440	9.1841E-01	11.640	9.1984E-01
3.561	4.9380E-01	10.460	9.3837E-01	11.660	9.2366E-01
3.568	5.9713E-01	10.480	9.5512E-01	11.680	9.2348E-01
3.575	6.9190E-01	10.500	9.5959E-01	11.700	9.3083E-01
3.582	7.6436E-01	10.520	9.6115E-01	11.720	9.5631E-01
3.589	8.2872E-01	10.540	9.6494E-01	11.740	9.5621E-01
3.596	8.6492E-01	10.560	9.7232E-01	11.760	9.6991E-01
3.603	8.9214E-01	10.580	9.7247E-01	11.780	9.7494E-01
3.610	9.0558E-01	10.600	9.6773E-01	11.800	9.8129E-01
3.617	9.1453E-01	10.620	9.6102E-01	11.820	9.7413E-01
3.624	9.1096E-01	10.640	9.7473E-01	11.840	9.7974E-01
3.631	9.0796E-01	10.660	9.7451E-01	11.860	9.8314E-01
3.638	9.0382E-01	10.680	9.9368E-01	11.880	9.7241E-01
3.645	9.0130E-01	10.700	9.8649E-01	11.900	9.7657E-01
3.652	9.0422E-01	10.720	9.9700E-01	11.920	9.7378E-01
3.659	9.0366E-01	10.740	1.0000E+00	11.940	9.7118E-01
3.666	9.1531E-01	10.760	9.9961E-01	11.960	9.7575E-01
3.673	9.2803E-01	10.780	9.8938E-01	11.980	9.8938E-01
3.680	9.3934E-01	10.800	9.7762E-01	12.000	9.7946E-01
3.687	9.5372E-01	10.820	9.8638E-01	12.020	9.8884E-01
3.694	9.5759E-01	10.840	9.9476E-01	12.040	9.9137E-01
3.701	9.7589E-01	10.860	9.8885E-01	12.060	1.0000E+00
3.708	9.8014E-01	10.880	9.8265E-01	12.080	9.8730E-01
3.715	9.9019E-01	10.900	9.7301E-01	12.100	9.7913E-01
3.722	9.8800E-01	10.920	9.7002E-01	12.120	9.7358E-01
3.729	9.8418E-01	10.940	9.6011E-01	12.140	9.6800E-01
3.736	9.8123E-01	10.960	9.5979E-01	12.160	9.5843E-01
3.743	9.7556E-01	10.980	9.5986E-01	12.180	9.5541E-01
3.750	9.7869E-01	11.000	9.3594E-01	12.200	9.4383E-01
3.757	9.7276E-01	11.020	9.4132E-01	12.220	9.4400E-01
3.764	9.7472E-01	11.040	9.3047E-01	12.240	9.4149E-01
3.771	9.7198E-01	11.060	9.2911E-01	12.260	9.3329E-01
3.778	9.8662E-01	11.080	9.2088E-01	12.280	9.4086E-01
3.785	9.9507E-01	11.100	9.1154E-01	12.300	9.4037E-01
3.792	1.0000E+00	11.120	9.0967E-01	12.320	9.4119E-01
3.799	9.9732E-01	11.140	8.9268E-01	12.340	9.3364E-01
3.806	9.9988E-01	11.160	8.8832E-01	12.360	9.3111E-01
3.813	9.9354E-01	11.180	8.6102E-01	12.380	9.2813E-01
3.820	9.7937E-01	11.200	8.4395E-01	12.400	9.2528E-01
3.827	9.7078E-01	11.220	7.8712E-01	12.420	9.2541E-01
3.834	9.5287E-01	11.240	7.3715E-01	12.440	9.1432E-01
3.841	9.4278E-01	11.260	6.6806E-01	12.460	9.0642E-01
3.848	9.3521E-01	11.280	5.8056E-01	12.480	8.9346E-01

3.855	9.2745E-01	11.300	5.0304E-01	12.500	8.4529E-01
3.862	9.3919E-01	11.320	4.1062E-01	12.520	7.2033E-01
3.869	9.3402E-01	11.340	3.2347E-01	12.540	5.5962E-01
3.876	9.3879E-01	11.360	2.4164E-01	12.560	3.7422E-01
3.883	9.6360E-01	11.380	1.7292E-01	12.580	2.1811E-01
3.890	9.8024E-01	11.400	1.2201E-01	12.600	1.1665E-01
3.897	9.8914E-01	11.420	8.3555E-02	12.620	5.0735E-02
3.904	9.8183E-01	11.440	5.7620E-02	12.640	2.4995E-02
3.911	9.5019E-01	11.460	3.9189E-02	12.660	1.2569E-02
3.918	9.0288E-01	11.480	2.6890E-02	12.680	5.2662E-03
3.925	8.0616E-01	11.500	1.8626E-02	12.700	1.7609E-03
3.932	7.0042E-01	11.520	1.2873E-02	12.720	-2.0185E-03
3.939	5.6767E-01	11.540	8.5899E-03	12.740	5.1316E-04
3.946	4.3992E-01	11.560	5.5348E-03	12.760	1.5293E-03
3.953	3.2747E-01	11.580	3.8567E-03	12.780	-1.5160E-03
3.960	2.3467E-01	11.600	2.0738E-03	12.800	-3.1090E-03
3.967	1.6534E-01	11.620	1.0736E-03	12.820	2.2310E-03
3.974	1.1289E-01	11.640	3.0688E-04	12.840	1.0898E-03
3.981	7.6794E-02	11.660	-2.2371E-04	12.860	-6.9668E-04
3.988	5.4095E-02	11.680	-1.1780E-04	12.880	1.5709E-03
3.995	3.7780E-02	11.700	-4.8047E-04	12.900	-2.8091E-03
4.002	2.7385E-02	11.720	-8.8911E-04	12.920	-3.6009E-03
4.009	1.9912E-02	11.740	-1.0445E-03	12.940	1.1234E-03
4.016	1.4608E-02	11.760	-9.9123E-04	12.960	-2.8745E-03
4.023	1.0763E-02	11.780	-1.0905E-03	12.980	5.2712E-04
4.030	8.2325E-03	11.800	-1.1851E-03	13.000	2.1117E-03
4.037	6.1867E-03	11.820	-7.1932E-04	13.020	3.0497E-03
4.044	4.7484E-03	11.840	-7.7288E-04	13.040	1.7662E-03
4.051	3.7593E-03	11.860	-1.1312E-03	13.060	3.1135E-03
4.058	2.7803E-03	11.880	-1.1462E-03	13.080	2.1812E-03
4.065	2.2390E-03	11.900	-9.6370E-04	13.100	4.2311E-03
4.072	1.5665E-03	11.920	-7.6331E-04	13.120	6.5949E-04
4.079	1.2247E-03	11.940	-7.1854E-04	13.140	-3.9169E-03
4.086	9.3591E-04	11.960	-6.8194E-04	13.160	3.1409E-03
4.093	6.4123E-04	11.980	-1.0468E-03	13.180	-2.8488E-03
4.100	1.7287E-04	12.000	-2.7409E-04	13.200	-2.9508E-03
4.107	7.0091E-04	12.020	-6.4053E-04	13.220	1.1889E-03
4.114	2.7715E-04	12.040	-6.4127E-04	13.240	2.9075E-03
4.121	4.3325E-05	12.060	-8.2835E-04	13.260	8.3141E-03
4.128	3.0629E-04	12.080	-7.8308E-04	13.280	1.1068E-03
4.135	1.4117E-04	12.100	-4.0789E-04	13.300	1.3109E-03
4.142	-1.2798E-06	12.120	-5.8763E-04	13.320	-1.0423E-03
4.149	3.1982E-05	12.140	-3.5761E-04	13.340	1.0096E-03

4.156	8.5938E-05	12.160	-9.8685E-04	13.360	9.3922E-04
4.163	6.9751E-05	12.180	-8.8345E-04	13.380	-3.0155E-03
4.170	9.5377E-05	12.200	-1.1272E-03	13.400	-1.0521E-03
4.177	6.1372E-05	12.220	-8.3628E-04	13.420	-2.0113E-03
4.184	1.7407E-05	12.240	-7.4991E-04	13.440	-4.9590E-03
4.191	6.2281E-05	12.260	-8.5222E-04	13.460	-1.8866E-03
4.198	5.8117E-05	12.280	-8.6444E-04	13.480	2.0419E-03
4.205	2.3845E-05	12.300	-7.8923E-04	13.500	8.1562E-04
4.212	4.8791E-04	12.320	-1.1551E-03	13.520	5.8922E-04
4.219	-1.8287E-04	12.340	-8.6298E-04	13.540	4.0422E-03
4.226	2.3553E-04	12.360	-7.9067E-04	13.560	3.8654E-04
4.233	1.0004E-03	12.380	-1.2841E-03	13.580	1.4531E-03
4.240	4.9754E-04	12.400	-1.3980E-03	13.600	5.1084E-04
4.247	5.0812E-04	12.420	-5.2309E-04	13.620	3.8194E-03
4.254	3.8839E-04	12.440	7.0705E-04	13.640	6.4042E-03
4.261	-2.4124E-05	12.460	-1.2969E-03	13.660	1.3007E-03
4.268	6.3954E-04	12.480	-1.1000E-03	13.680	3.3742E-03
4.275	8.4231E-04	12.500	-1.1896E-03	13.700	5.1996E-03
4.282	5.1458E-05	12.520	1.0108E-05	13.720	3.0482E-03
4.289	-7.4100E-05	12.540	1.9474E-03	13.740	3.8239E-04
4.296	1.3217E-04	12.560	-3.9400E-04	13.760	6.1277E-05
4.303	-6.0247E-05	12.580	3.0787E-03	13.780	-1.1969E-03
4.310	4.5193E-04	12.600	2.2264E-03	13.800	-3.8475E-03
4.317	7.5920E-05	12.620	-2.9207E-05	13.820	4.8614E-03
4.324	3.4108E-04	12.640	-3.8597E-04	13.840	-3.2408E-03
4.331	8.7045E-05	12.660	-1.1220E-03	13.860	-8.7508E-04
4.338	1.0477E-04	12.680	-6.2125E-04	13.880	6.5528E-03
4.345	4.4552E-07	12.700	-1.1212E-03	13.900	-9.4813E-05
4.352	-3.2384E-05	12.720	-8.2469E-04	13.920	3.9176E-03
4.359	6.2439E-05	12.740	-6.9329E-04	13.940	-1.6755E-03
4.366	3.2560E-07	12.760	-7.1305E-04	13.960	-3.2505E-03
4.373	4.6320E-05	12.780	-1.0039E-03	13.980	-2.4497E-03
4.380	-1.0052E-05	12.800	-8.1531E-04	14.000	1.9097E-03
4.387	2.4575E-06				
4.394	-3.2284E-05				
4.401	-4.0997E-05				
4.408	-5.3227E-05				
4.415	-6.4098E-05				
4.422	-1.6948E-04				
4.429	3.8139E-05				
4.436	9.8060E-06				
4.443	2.4418E-05				
4.450	6.8658E-05				

4.457	2.3386E-05				
4.464	7.4846E-06				
4.471	-1.6875E-04				
4.478	-1.3578E-05				
4.485	-2.3604E-05				
4.492	-4.8950E-05				
4.499	1.4251E-04				

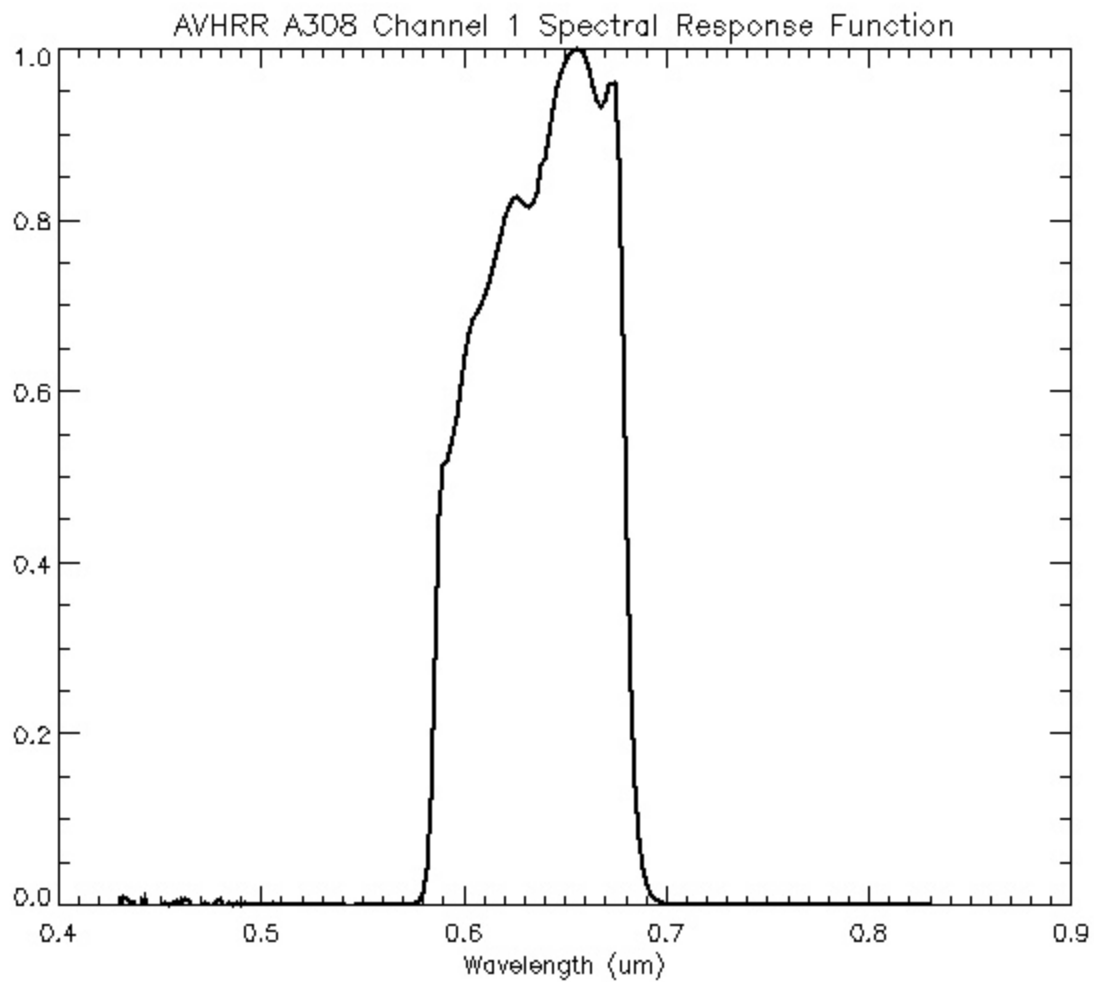


Figure D.6-1. Spectral Response Curve for NOAA-19 Channel 1.

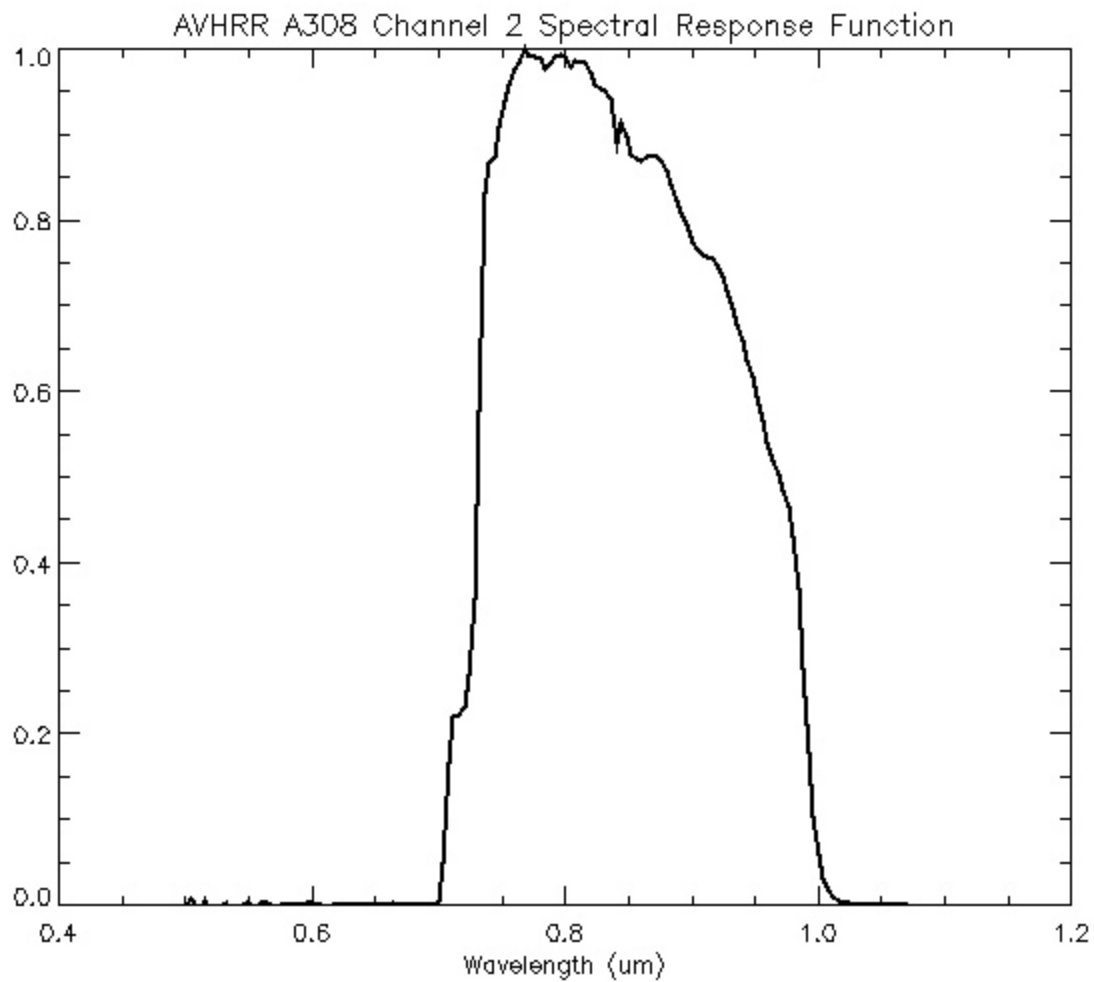


Figure D.6-2. Spectral Response Curve for NOAA-19 Channel 2.

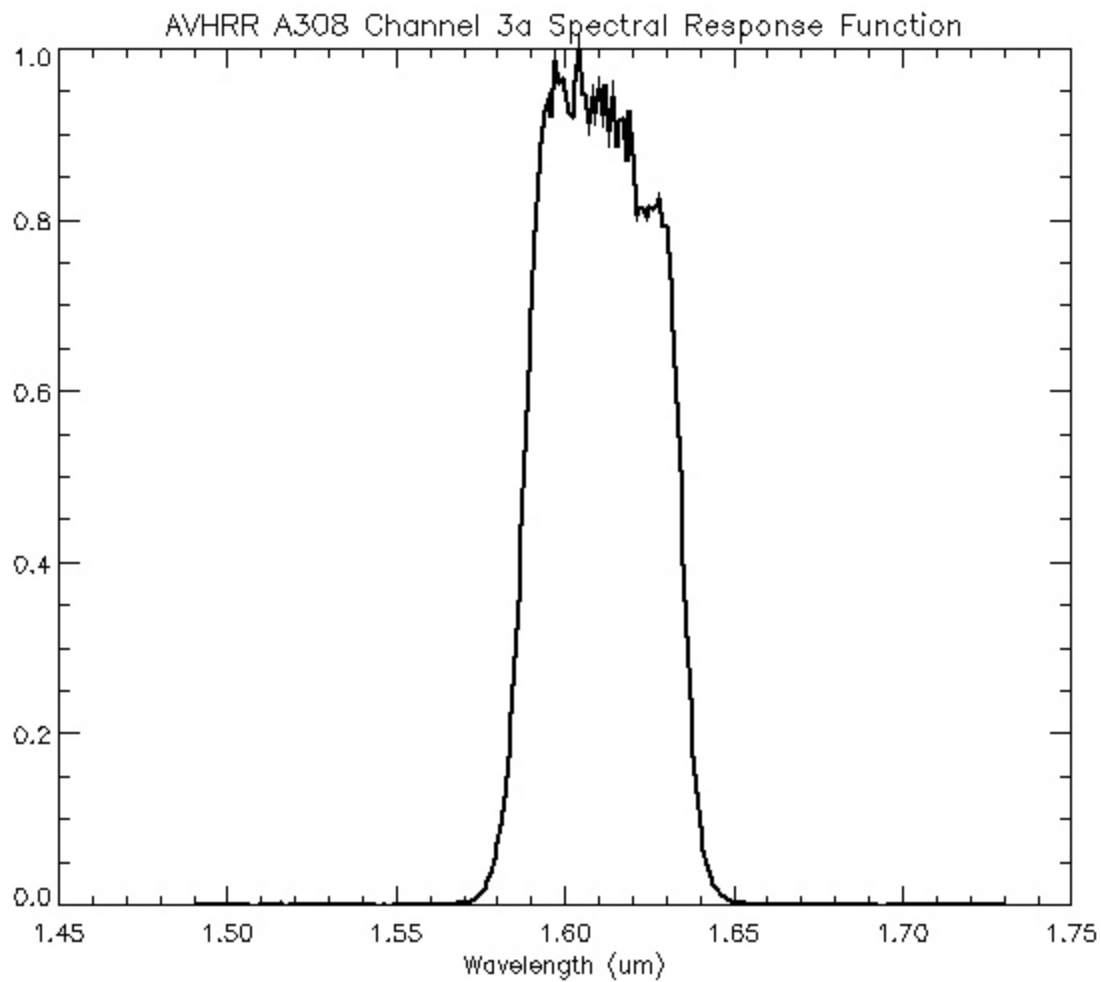


Figure D.6-3. Spectral Response Curve for NOAA-19 Channel 3A.

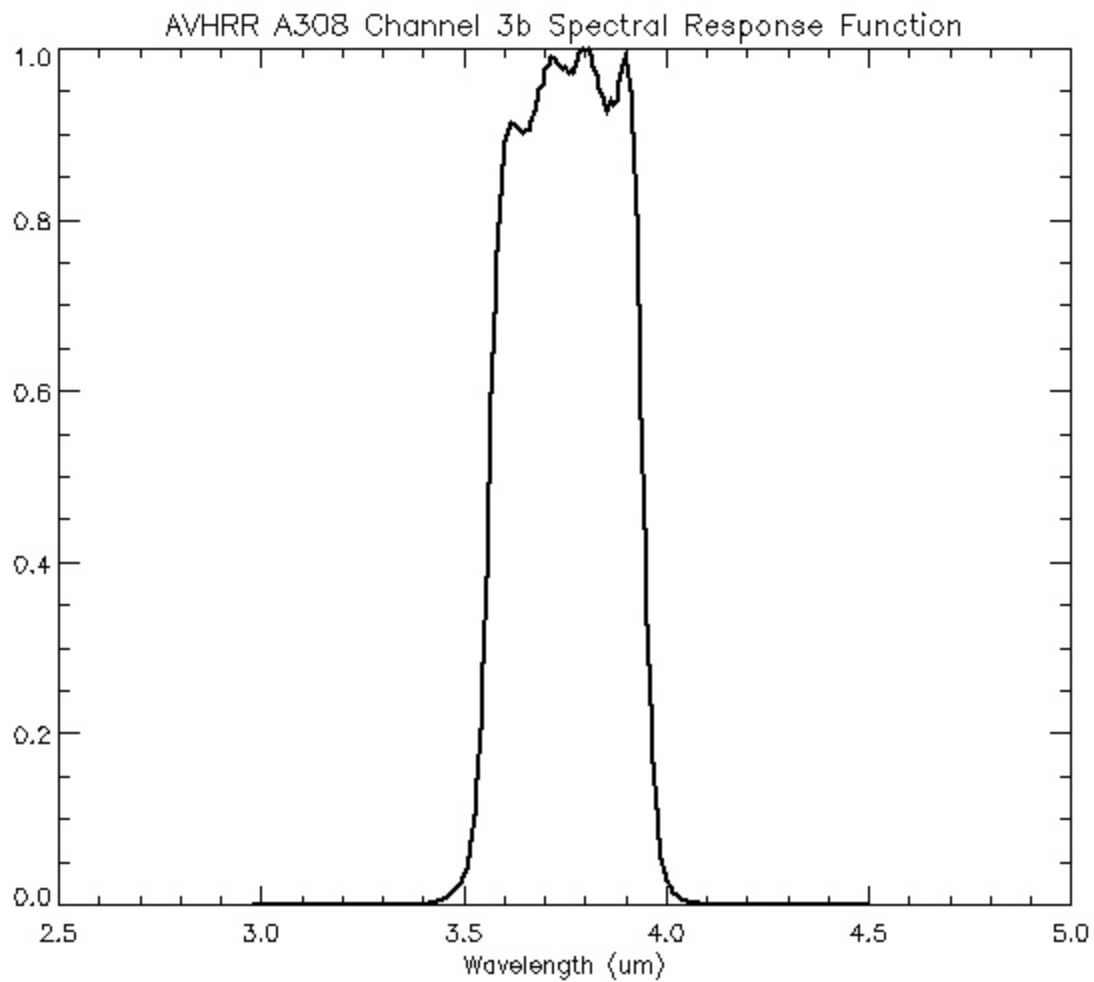


Figure D.6-4. Spectral Response Curve for NOAA-19 Channel 3B.

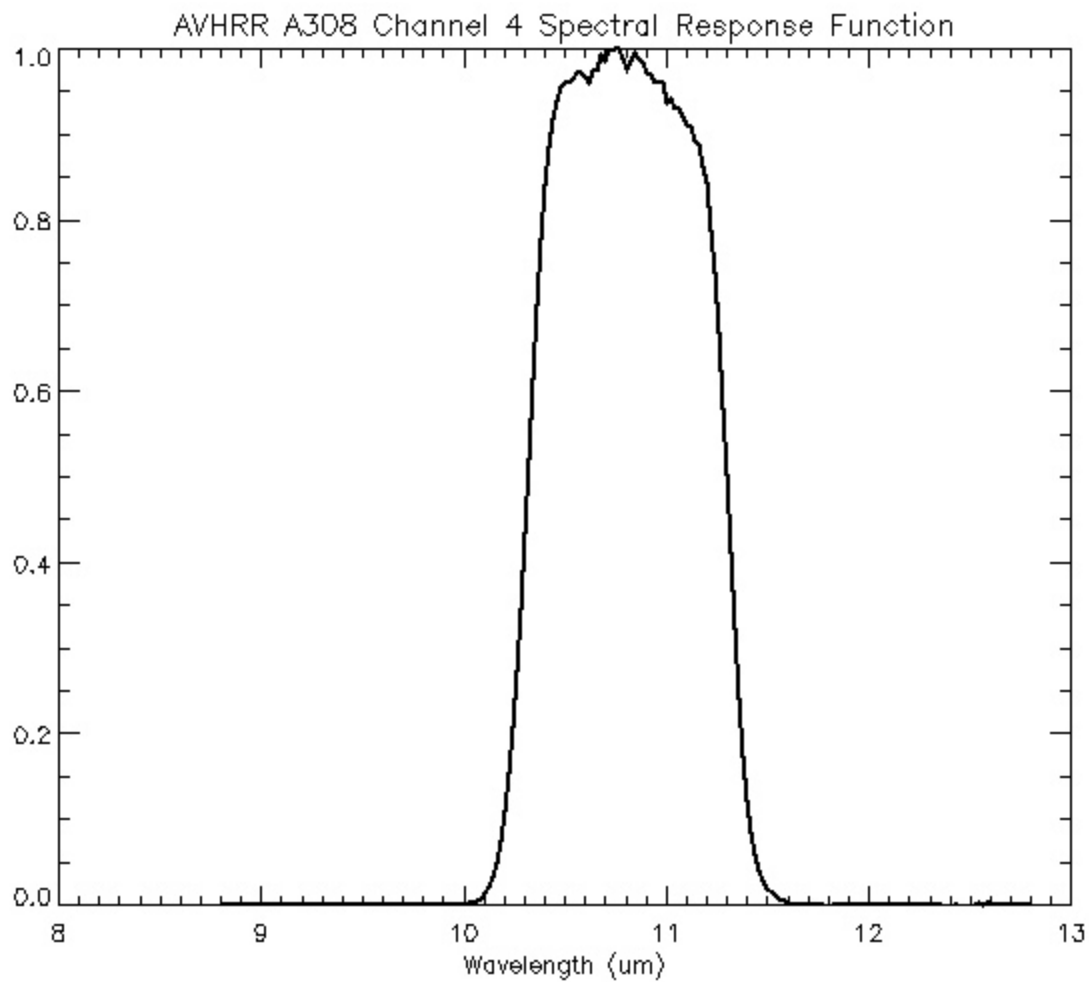


Figure D.6-5. Spectral Response Curve for NOAA-19 Channel 4.

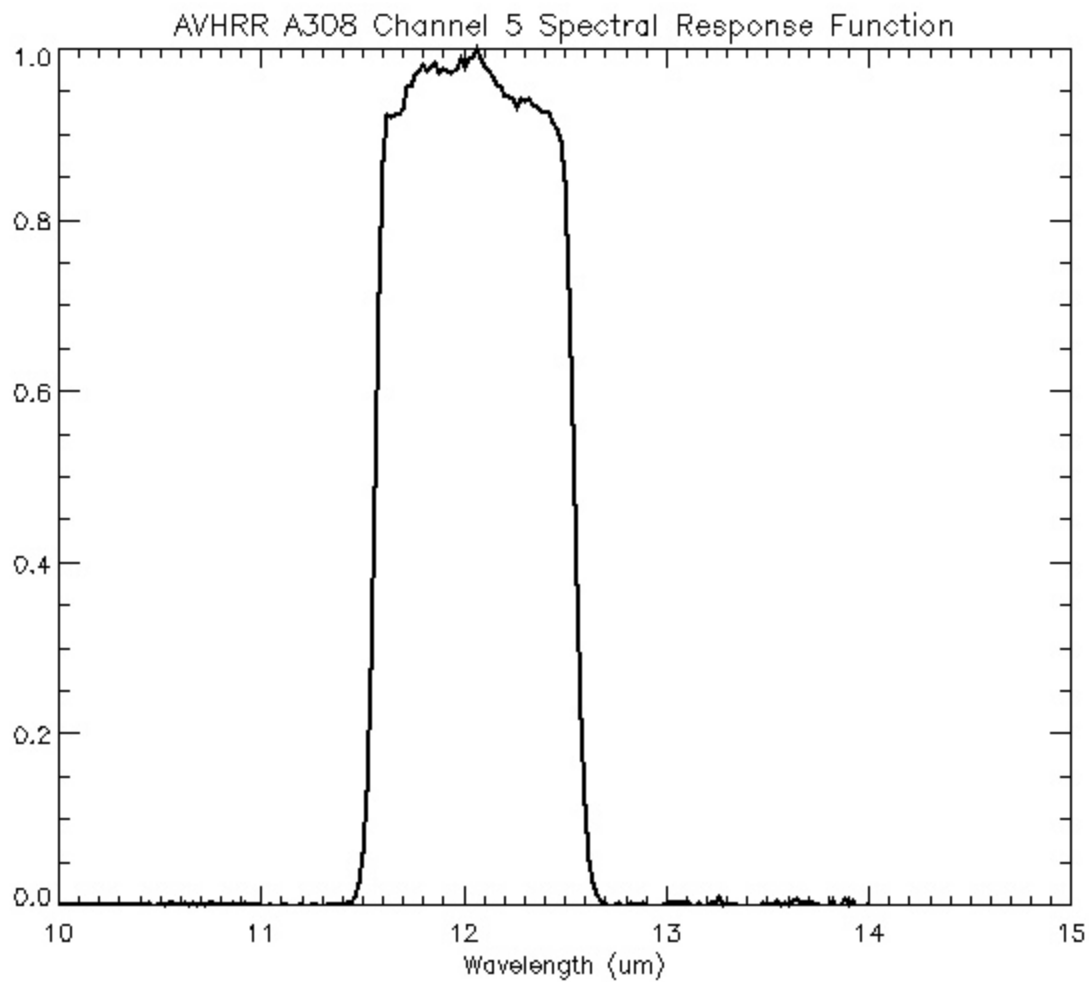


Figure D.6-6. Spectral Response Curve for NOAA-19 Channel 5.

HIRS:

Table D.6-10 contains the NOAA-P HIRS/H308 central wave numbers, half power bandwidth and band correction coefficients for the thermal channels.

Table D.6-10. NOAA-19 HIRS (H308) Central Wave Numbers (ν_C), Half Power Bandwidth and Band Correction Coefficients (b and c).				
Channel #	ν_C (cm^{-1})	Half power bandwidth (cm^{-1})	b	c
1	669.33	3.73	0.001311	0.99999
2	680.31	10.18	0.007803	0.99996
3	688.85	14.48	0.018599	0.99991
4	702.65	14.64	0.018578	0.99992
5	715.80	13.96	0.018657	0.99992
6	733.39	17.05	0.019877	0.99991
7	749.12	17.36	0.020736	0.99991
8	899.46	34.63	0.065019	0.99977
9	1028.14	22.55	0.038021	0.99988
10	802.32	15.10	0.016169	0.99994
11	1362.20	39.29	0.075651	0.99981
12	1531.04	51.52	0.104860	0.99997
13	2185.02	20.47	0.016756	0.99997
14	2213.95	21.55	0.017841	0.99997
15	2232.65	21.03	0.016756	0.99997
16	2246.86	21.66	0.017311	0.99997
17	2420.81	30.96	0.032879	0.99995
18	2518.41	32.23	0.045757	0.99993
19	2661.92	101.52	0.276520	0.99962

Table D.6-11 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-19 HIRS/H308 instrument.

Table D.6-11. NOAA-19 IWT PRT Count to Temperature Coefficients for HIRS/308.						
PRT	A	B	C	D	E	F
1	301.3430	6.559203 E-03	8.890766 E-08	3.698309 E-11	1.035249 E-15	5.511736 E-19
2	301.3513	6.57007 E-03	8.810926 E-08	3.661233 E-11	1.102671 E-15	5.730959 E-19
3	301.3393	6.568216 E-03	8.870932 E-08	3.686241 E-11	1.072081 E-15	5.644733 E-19
4	301.4060	6.565761 E-03	8.805033 E-08	3.693582 E-11	1.126270 E-15	5.590464 E-19
5	301.3661	6.555488 E-03	8.867036 E-08	3.673157 E-11	1.104859 E-15	5.673649 E-19

This information is based on the data in HIRS/4 H308 Alignment/Calibration Handbook, Revision E,

Table D.6-12 contains the primary, secondary and tertiary telescope temperature coefficients for the NOAA-19 HIRS/H308 instrument.

Table D.6-12. NOAA-19 HIRS/308 Primary, Secondary and Tertiary Telescope Temperature Coefficients (C).						
	A	B	C	D	E	F
Primary	260.1752	1.776047 E-02	-3.942533 E-06	1.450393 E-09	-2.857401 E-13	2.971761 E-17
Secondary	260.1312	1.770731 E-02	-3.892618 E-06	1.440120 E-09	-2.872664 E-13	3.019747 E-017
Tertiary	260.1109	1.759282 E-02	1.303540 E-06	-2.473824 E-09	-2.473842 E-13	2.604968 E-17
This information is based on the data in HIRS/4 H308 Alignment/Calibration Handbook, Revision E, May 2003.						

Table D.6-13 contains the actual filter functions for NOAA-19 HIRS/H308. The same information can be downloaded as an ASCII file or viewed as a graphic file from the following website: <http://www.orbit.nesdis.noaa.gov/smcd/spb/calibration/hirs/srf/hirssrf.html>.

Table D.6-13. Normalized Response Functions for the NOAA-19 HIRS H308 Thermal Channels.				
Channel 1				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.66350E+03	0.00000E+00	0.17659E+00	0.00000E+00	0.00000E+00
0.66360E+03	0.20000E-04	0.17694E+00	0.35387E-05	0.46798E-04
0.66370E+03	0.78000E-04	0.17728E+00	0.13828E-04	0.18287E-03
0.66380E+03	0.14600E-03	0.17763E+00	0.25934E-04	0.34296E-03
0.66390E+03	0.27500E-03	0.17798E+00	0.48944E-04	0.64725E-03
0.66400E+03	0.44800E-03	0.17833E+00	0.79890E-04	0.10565E-02
0.66410E+03	0.64300E-03	0.17868E+00	0.11489E-03	0.15193E-02
0.66420E+03	0.90600E-03	0.17903E+00	0.16220E-03	0.21450E-02
0.66430E+03	0.12060E-02	0.17938E+00	0.21633E-03	0.28609E-02
0.66440E+03	0.15330E-02	0.17973E+00	0.27553E-03	0.36437E-02
0.66450E+03	0.18950E-02	0.18009E+00	0.34126E-03	0.45130E-02
0.66460E+03	0.22810E-02	0.18044E+00	0.41158E-03	0.54429E-02
0.66470E+03	0.27180E-02	0.18079E+00	0.49139E-03	0.64984E-02
0.66480E+03	0.31960E-02	0.18115E+00	0.57894E-03	0.76561E-02
0.66490E+03	0.37080E-02	0.18150E+00	0.67299E-03	0.88999E-02

0.66500E+03	0.42280E-02	0.18185E+00	0.76886E-03	0.10168E-01
0.66510E+03	0.47630E-02	0.18220E+00	0.86782E-03	0.11476E-01
0.66520E+03	0.53030E-02	0.18255E+00	0.96808E-03	0.12802E-01
0.66530E+03	0.58500E-02	0.18291E+00	0.10700E-02	0.14150E-01
0.66540E+03	0.63990E-02	0.18326E+00	0.11727E-02	0.15508E-01
0.66550E+03	0.70410E-02	0.18359E+00	0.12927E-02	0.17095E-01
0.66560E+03	0.80650E-02	0.18394E+00	0.14835E-02	0.19618E-01
0.66570E+03	0.95880E-02	0.18428E+00	0.17669E-02	0.23366E-01
0.66580E+03	0.11734E-01	0.18463E+00	0.21664E-02	0.28650E-01
0.66590E+03	0.14633E-01	0.18497E+00	0.27067E-02	0.35795E-01
0.66600E+03	0.18415E-01	0.18532E+00	0.34127E-02	0.45131E-01
0.66610E+03	0.23205E-01	0.18570E+00	0.43091E-02	0.56986E-01
0.66620E+03	0.29117E-01	0.18608E+00	0.54180E-02	0.71650E-01
0.66630E+03	0.36245E-01	0.18646E+00	0.67582E-02	0.89373E-01
0.66640E+03	0.44664E-01	0.18684E+00	0.83450E-02	0.11036E+00
0.66650E+03	0.54417E-01	0.18722E+00	0.10188E-01	0.13473E+00
0.66660E+03	0.65515E-01	0.18761E+00	0.12291E-01	0.16254E+00
0.66670E+03	0.77934E-01	0.18799E+00	0.14651E-01	0.19375E+00
0.66680E+03	0.91612E-01	0.18837E+00	0.17257E-01	0.22822E+00
0.66690E+03	0.10645E+00	0.18876E+00	0.20093E-01	0.26572E+00
0.66700E+03	0.12231E+00	0.18915E+00	0.23134E-01	0.30594E+00
0.66710E+03	0.13903E+00	0.18953E+00	0.26351E-01	0.34847E+00
0.66720E+03	0.15642E+00	0.18992E+00	0.29707E-01	0.39285E+00
0.66730E+03	0.17426E+00	0.19031E+00	0.33162E-01	0.43855E+00
0.66740E+03	0.19233E+00	0.19069E+00	0.36676E-01	0.48502E+00
0.66750E+03	0.21041E+00	0.19109E+00	0.40207E-01	0.53171E+00
0.66760E+03	0.22827E+00	0.19148E+00	0.43709E-01	0.57802E+00
0.66770E+03	0.24569E+00	0.19188E+00	0.47142E-01	0.62343E+00
0.66780E+03	0.26248E+00	0.19227E+00	0.50469E-01	0.66742E+00
0.66790E+03	0.27848E+00	0.19267E+00	0.53655E-01	0.70955E+00
0.66800E+03	0.29353E+00	0.19307E+00	0.56671E-01	0.74944E+00
0.66810E+03	0.30753E+00	0.19347E+00	0.59498E-01	0.78682E+00
0.66820E+03	0.32037E+00	0.19388E+00	0.62113E-01	0.82141E+00
0.66830E+03	0.33202E+00	0.19428E+00	0.64506E-01	0.85305E+00
0.66840E+03	0.34243E+00	0.19469E+00	0.66668E-01	0.88165E+00
0.66850E+03	0.35160E+00	0.19510E+00	0.68596E-01	0.90714E+00
0.66860E+03	0.35952E+00	0.19551E+00	0.70288E-01	0.92951E+00
0.66870E+03	0.36620E+00	0.19592E+00	0.71745E-01	0.94878E+00
0.66880E+03	0.37167E+00	0.19633E+00	0.72969E-01	0.96497E+00
0.66890E+03	0.37593E+00	0.19674E+00	0.73962E-01	0.97810E+00
0.66900E+03	0.37901E+00	0.19716E+00	0.74725E-01	0.98819E+00
0.66910E+03	0.38091E+00	0.19757E+00	0.75257E-01	0.99522E+00
0.66920E+03	0.38161E+00	0.19799E+00	0.75556E-01	0.99918E+00

0.66930E+03	0.38112E+00	0.19841E+00	0.75618E-01	0.10000E+01
0.66940E+03	0.37941E+00	0.19883E+00	0.75439E-01	0.99764E+00
0.66950E+03	0.37645E+00	0.19926E+00	0.75013E-01	0.99200E+00
0.66960E+03	0.37224E+00	0.19969E+00	0.74332E-01	0.98300E+00
0.66970E+03	0.36674E+00	0.20012E+00	0.73392E-01	0.97056E+00
0.66980E+03	0.35994E+00	0.20055E+00	0.72188E-01	0.95465E+00
0.66990E+03	0.35187E+00	0.20099E+00	0.70722E-01	0.93525E+00
0.67000E+03	0.34253E+00	0.20142E+00	0.68994E-01	0.91240E+00
0.67010E+03	0.33198E+00	0.20186E+00	0.67012E-01	0.88619E+00
0.67020E+03	0.32028E+00	0.20229E+00	0.64790E-01	0.85680E+00
0.67030E+03	0.30753E+00	0.20272E+00	0.62343E-01	0.82444E+00
0.67040E+03	0.29383E+00	0.20316E+00	0.59694E-01	0.78941E+00
0.67050E+03	0.27932E+00	0.20360E+00	0.56869E-01	0.75206E+00
0.67060E+03	0.26416E+00	0.20403E+00	0.53897E-01	0.71276E+00
0.67070E+03	0.24851E+00	0.20447E+00	0.50812E-01	0.67196E+00
0.67080E+03	0.23253E+00	0.20490E+00	0.47647E-01	0.63010E+00
0.67090E+03	0.21640E+00	0.20534E+00	0.44436E-01	0.58764E+00
0.67100E+03	0.20029E+00	0.20578E+00	0.41215E-01	0.54505E+00
0.67110E+03	0.18435E+00	0.20622E+00	0.38017E-01	0.50275E+00
0.67120E+03	0.16874E+00	0.20666E+00	0.34871E-01	0.46115E+00
0.67130E+03	0.15358E+00	0.20710E+00	0.31807E-01	0.42062E+00
0.67140E+03	0.13899E+00	0.20754E+00	0.28847E-01	0.38148E+00
0.67150E+03	0.12507E+00	0.20799E+00	0.26013E-01	0.34400E+00
0.67160E+03	0.11188E+00	0.20843E+00	0.23320E-01	0.30840E+00
0.67170E+03	0.99497E-01	0.20888E+00	0.20783E-01	0.27484E+00
0.67180E+03	0.87950E-01	0.20932E+00	0.18410E-01	0.24346E+00
0.67190E+03	0.77267E-01	0.20977E+00	0.16208E-01	0.21434E+00
0.67200E+03	0.67462E-01	0.21022E+00	0.14182E-01	0.18754E+00
0.67210E+03	0.58534E-01	0.21068E+00	0.12332E-01	0.16308E+00
0.67220E+03	0.50476E-01	0.21113E+00	0.10657E-01	0.14093E+00
0.67230E+03	0.43271E-01	0.21159E+00	0.91558E-02	0.12108E+00
0.67240E+03	0.36891E-01	0.21205E+00	0.78228E-02	0.10345E+00
0.67250E+03	0.31307E-01	0.21251E+00	0.66531E-02	0.87983E-01
0.67260E+03	0.26477E-01	0.21297E+00	0.56388E-02	0.74569E-01
0.67270E+03	0.22357E-01	0.21343E+00	0.47716E-02	0.63102E-01
0.67280E+03	0.18893E-01	0.21389E+00	0.40410E-02	0.53439E-01
0.67290E+03	0.16026E-01	0.21435E+00	0.34351E-02	0.45427E-01
0.67300E+03	0.13692E-01	0.21481E+00	0.29411E-02	0.38894E-01
0.67310E+03	0.11823E-01	0.21527E+00	0.25451E-02	0.33657E-01
0.67320E+03	0.10346E-01	0.21572E+00	0.22319E-02	0.29515E-01
0.67330E+03	0.91900E-02	0.21617E+00	0.19866E-02	0.26271E-01
0.67340E+03	0.82840E-02	0.21661E+00	0.17944E-02	0.23729E-01
0.67350E+03	0.74680E-02	0.21705E+00	0.16209E-02	0.21436E-01

0.67360E+03	0.66740E-02	0.21749E+00	0.14515E-02	0.19196E-01
0.67370E+03	0.59520E-02	0.21793E+00	0.12971E-02	0.17154E-01
0.67380E+03	0.52310E-02	0.21838E+00	0.11423E-02	0.15106E-01
0.67390E+03	0.46280E-02	0.21882E+00	0.10127E-02	0.13392E-01
0.67400E+03	0.40320E-02	0.21926E+00	0.88407E-03	0.11691E-01
0.67410E+03	0.34640E-02	0.21971E+00	0.76108E-03	0.10065E-01
0.67420E+03	0.29440E-02	0.22016E+00	0.64816E-03	0.85715E-02
0.67430E+03	0.24620E-02	0.22061E+00	0.54315E-03	0.71828E-02
0.67440E+03	0.19930E-02	0.22106E+00	0.44058E-03	0.58264E-02
0.67450E+03	0.15240E-02	0.22152E+00	0.33759E-03	0.44644E-02
0.67460E+03	0.10560E-02	0.22197E+00	0.23440E-03	0.30998E-02
0.67470E+03	0.59700E-03	0.22242E+00	0.13278E-03	0.17560E-02
0.67480E+03	0.15700E-03	0.22287E+00	0.34991E-04	0.46274E-03
0.67490E+03	0.00000E+00	0.22333E+00	0.00000E+04	0.00000E+03
Channel 2				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.66890E+03	0.00000E+00	0.19674E+00	0.00000E+00	0.00000E+00
0.66900E+03	0.34000E-04	0.19716E+00	0.67033E-05	0.51343E-04
0.66910E+03	0.71900E-04	0.19757E+00	0.14205E-04	0.10880E-03
0.66920E+03	0.10800E-03	0.19799E+00	0.21383E-04	0.16378E-03
0.66930E+03	0.14700E-03	0.19841E+00	0.29166E-04	0.22339E-03
0.66940E+03	0.19700E-03	0.19883E+00	0.39170E-04	0.30002E-03
0.66950E+03	0.26100E-03	0.19926E+00	0.52007E-04	0.39834E-03
0.66960E+03	0.34600E-03	0.19969E+00	0.69093E-04	0.52920E-03
0.66970E+03	0.45800E-03	0.20012E+00	0.91656E-04	0.70202E-03
0.66980E+03	0.60200E-03	0.20055E+00	0.12073E-03	0.92473E-03
0.66990E+03	0.78500E-03	0.20099E+00	0.15778E-03	0.12084E-02
0.67000E+03	0.10100E-02	0.20142E+00	0.20344E-03	0.15582E-02
0.67010E+03	0.12900E-02	0.20186E+00	0.26039E-03	0.19944E-02
0.67020E+03	0.16200E-02	0.20229E+00	0.32771E-03	0.25100E-02
0.67030E+03	0.20100E-02	0.20272E+00	0.40748E-03	0.31210E-02
0.67040E+03	0.24700E-02	0.20316E+00	0.50180E-03	0.38434E-02
0.67050E+03	0.30000E-02	0.20360E+00	0.61079E-03	0.46782E-02
0.67060E+03	0.36100E-02	0.20403E+00	0.73655E-03	0.56414E-02
0.67070E+03	0.43100E-02	0.20447E+00	0.88126E-03	0.67498E-02
0.67080E+03	0.50900E-02	0.20490E+00	0.10430E-02	0.79883E-02
0.67090E+03	0.59700E-02	0.20534E+00	0.12259E-02	0.93894E-02
0.67100E+03	0.69600E-02	0.20578E+00	0.14322E-02	0.10970E-01
0.67110E+03	0.80500E-02	0.20622E+00	0.16601E-02	0.12715E-01
0.67120E+03	0.92500E-02	0.20666E+00	0.19116E-02	0.14641E-01

0.67130E+03	0.10600E-01	0.20710E+00	0.21953E-02	0.16814E-01
0.67140E+03	0.12000E-01	0.20754E+00	0.24905E-02	0.19076E-01
0.67150E+03	0.13600E-01	0.20799E+00	0.28286E-02	0.21665E-01
0.67160E+03	0.15300E-01	0.20843E+00	0.31890E-02	0.24425E-01
0.67170E+03	0.17200E-01	0.20888E+00	0.35927E-02	0.27517E-01
0.67180E+03	0.19200E-01	0.20932E+00	0.40190E-02	0.30783E-01
0.67190E+03	0.21300E-01	0.20977E+00	0.44681E-02	0.34222E-01
0.67200E+03	0.23615E-01	0.21022E+00	0.49643E-02	0.38023E-01
0.67210E+03	0.26144E-01	0.21068E+00	0.55079E-02	0.42186E-01
0.67220E+03	0.29093E-01	0.21113E+00	0.61425E-02	0.47047E-01
0.67230E+03	0.32504E-01	0.21159E+00	0.68776E-02	0.52677E-01
0.67240E+03	0.36415E-01	0.21205E+00	0.77219E-02	0.59144E-01
0.67250E+03	0.40861E-01	0.21251E+00	0.86834E-02	0.66508E-01
0.67260E+03	0.45873E-01	0.21297E+00	0.97695E-02	0.74827E-01
0.67270E+03	0.51478E-01	0.21343E+00	0.10987E-01	0.84151E-01
0.67280E+03	0.57696E-01	0.21389E+00	0.12340E-01	0.94519E-01
0.67290E+03	0.64543E-01	0.21435E+00	0.13835E-01	0.10596E+00
0.67300E+03	0.72027E-01	0.21481E+00	0.15472E-01	0.11850E+00
0.67310E+03	0.80151E-01	0.21527E+00	0.17254E-01	0.13215E+00
0.67320E+03	0.88907E-01	0.21572E+00	0.19179E-01	0.14690E+00
0.67330E+03	0.98283E-01	0.21617E+00	0.21245E-01	0.16272E+00
0.67340E+03	0.10826E+00	0.21661E+00	0.23449E-01	0.17960E+00
0.67350E+03	0.11880E+00	0.21705E+00	0.25784E-01	0.19749E+00
0.67360E+03	0.12986E+00	0.21749E+00	0.28244E-01	0.21633E+00
0.67370E+03	0.14141E+00	0.21793E+00	0.30819E-01	0.23605E+00
0.67380E+03	0.15339E+00	0.21838E+00	0.33497E-01	0.25656E+00
0.67390E+03	0.16574E+00	0.21882E+00	0.36266E-01	0.27777E+00
0.67400E+03	0.17838E+00	0.21926E+00	0.39111E-01	0.29956E+00
0.67410E+03	0.19124E+00	0.21971E+00	0.42017E-01	0.32182E+00
0.67420E+03	0.20424E+00	0.22016E+00	0.44965E-01	0.34440E+00
0.67430E+03	0.21729E+00	0.22061E+00	0.47938E-01	0.36717E+00
0.67440E+03	0.23031E+00	0.22106E+00	0.50914E-01	0.38996E+00
0.67450E+03	0.24321E+00	0.22152E+00	0.53875E-01	0.41264E+00
0.67460E+03	0.25589E+00	0.22197E+00	0.56800E-01	0.43505E+00
0.67470E+03	0.26827E+00	0.22242E+00	0.59668E-01	0.45701E+00
0.67480E+03	0.28025E+00	0.22287E+00	0.62460E-01	0.47840E+00
0.67490E+03	0.29175E+00	0.22333E+00	0.65156E-01	0.49905E+00
0.67500E+03	0.30270E+00	0.22378E+00	0.67738E-01	0.51883E+00
0.67510E+03	0.31302E+00	0.22424E+00	0.70190E-01	0.53760E+00
0.67520E+03	0.32265E+00	0.22466E+00	0.72485E-01	0.55518E+00
0.67530E+03	0.33152E+00	0.22507E+00	0.74615E-01	0.57150E+00
0.67540E+03	0.33962E+00	0.22548E+00	0.76575E-01	0.58651E+00
0.67550E+03	0.34689E+00	0.22589E+00	0.78357E-01	0.60016E+00

0.67560E+03	0.35331E+00	0.22630E+00	0.79954E-01	0.61239E+00
0.67570E+03	0.35889E+00	0.22671E+00	0.81363E-01	0.62318E+00
0.67580E+03	0.36363E+00	0.22712E+00	0.82586E-01	0.63255E+00
0.67590E+03	0.36753E+00	0.22753E+00	0.83624E-01	0.64050E+00
0.67600E+03	0.37064E+00	0.22794E+00	0.84484E-01	0.64708E+00
0.67610E+03	0.37299E+00	0.22836E+00	0.85174E-01	0.65237E+00
0.67620E+03	0.37463E+00	0.22877E+00	0.85705E-01	0.65643E+00
0.67630E+03	0.37561E+00	0.22919E+00	0.86087E-01	0.65937E+00
0.67640E+03	0.37602E+00	0.22961E+00	0.86337E-01	0.66128E+00
0.67650E+03	0.37591E+00	0.23003E+00	0.86470E-01	0.66229E+00
0.67660E+03	0.37537E+00	0.23044E+00	0.86502E-01	0.66254E+00
0.67670E+03	0.37447E+00	0.23086E+00	0.86451E-01	0.66216E+00
0.67680E+03	0.37330E+00	0.23128E+00	0.86337E-01	0.66128E+00
0.67690E+03	0.37193E+00	0.23170E+00	0.86176E-01	0.66005E+00
0.67700E+03	0.37044E+00	0.23212E+00	0.85986E-01	0.65859E+00
0.67710E+03	0.36891E+00	0.23252E+00	0.85781E-01	0.65702E+00
0.67720E+03	0.36741E+00	0.23291E+00	0.85574E-01	0.65543E+00
0.67730E+03	0.36599E+00	0.23330E+00	0.85386E-01	0.65399E+00
0.67740E+03	0.36472E+00	0.23369E+00	0.85231E-01	0.65281E+00
0.67750E+03	0.36365E+00	0.23407E+00	0.85121E-01	0.65196E+00
0.67760E+03	0.36282E+00	0.23446E+00	0.85067E-01	0.65155E+00
0.67770E+03	0.36227E+00	0.23485E+00	0.85077E-01	0.65162E+00
0.67780E+03	0.36202E+00	0.23523E+00	0.85157E-01	0.65224E+00
0.67790E+03	0.36209E+00	0.23562E+00	0.85315E-01	0.65345E+00
0.67800E+03	0.36252E+00	0.23600E+00	0.85554E-01	0.65528E+00
0.67810E+03	0.36329E+00	0.23638E+00	0.85876E-01	0.65775E+00
0.67820E+03	0.36443E+00	0.23676E+00	0.86284E-01	0.66087E+00
0.67830E+03	0.36593E+00	0.23715E+00	0.86778E-01	0.66466E+00
0.67840E+03	0.36778E+00	0.23753E+00	0.87359E-01	0.66911E+00
0.67850E+03	0.36999E+00	0.23791E+00	0.88026E-01	0.67421E+00
0.67860E+03	0.37255E+00	0.23829E+00	0.88777E-01	0.67997E+00
0.67870E+03	0.37545E+00	0.23868E+00	0.89612E-01	0.68636E+00
0.67880E+03	0.37868E+00	0.23906E+00	0.90528E-01	0.69338E+00
0.67890E+03	0.38223E+00	0.23944E+00	0.91523E-01	0.70100E+00
0.67900E+03	0.38609E+00	0.23983E+00	0.92596E-01	0.70921E+00
0.67910E+03	0.39025E+00	0.24021E+00	0.93742E-01	0.71800E+00
0.67920E+03	0.39469E+00	0.24059E+00	0.94961E-01	0.72733E+00
0.67930E+03	0.39941E+00	0.24098E+00	0.96249E-01	0.73719E+00
0.67940E+03	0.40437E+00	0.24137E+00	0.97602E-01	0.74756E+00
0.67950E+03	0.40958E+00	0.24175E+00	0.99016E-01	0.75839E+00
0.67960E+03	0.41500E+00	0.24214E+00	0.10049E+00	0.76966E+00
0.67970E+03	0.42062E+00	0.24252E+00	0.10201E+00	0.78132E+00
0.67980E+03	0.42641E+00	0.24291E+00	0.10358E+00	0.79334E+00

0.67990E+03	0.43234E+00	0.24330E+00	0.10519E+00	0.80566E+00
0.68000E+03	0.43838E+00	0.24369E+00	0.10683E+00	0.81822E+00
0.68010E+03	0.44450E+00	0.24406E+00	0.10848E+00	0.83091E+00
0.68020E+03	0.45066E+00	0.24443E+00	0.11016E+00	0.84371E+00
0.68030E+03	0.45681E+00	0.24481E+00	0.11183E+00	0.85655E+00
0.68040E+03	0.46292E+00	0.24519E+00	0.11350E+00	0.86933E+00
0.68050E+03	0.46893E+00	0.24556E+00	0.11515E+00	0.88198E+00
0.68060E+03	0.47481E+00	0.24594E+00	0.11677E+00	0.89440E+00
0.68070E+03	0.48051E+00	0.24631E+00	0.11836E+00	0.90652E+00
0.68080E+03	0.48597E+00	0.24669E+00	0.11989E+00	0.91823E+00
0.68090E+03	0.49116E+00	0.24707E+00	0.12135E+00	0.92945E+00
0.68100E+03	0.49603E+00	0.24744E+00	0.12274E+00	0.94008E+00
0.68110E+03	0.50054E+00	0.24781E+00	0.12404E+00	0.95005E+00
0.68120E+03	0.50464E+00	0.24818E+00	0.12524E+00	0.95928E+00
0.68130E+03	0.50832E+00	0.24855E+00	0.12634E+00	0.96770E+00
0.68140E+03	0.51152E+00	0.24893E+00	0.12733E+00	0.97526E+00
0.68150E+03	0.51423E+00	0.24930E+00	0.12820E+00	0.98189E+00
0.68160E+03	0.51642E+00	0.24967E+00	0.12894E+00	0.98755E+00
0.68170E+03	0.51808E+00	0.25004E+00	0.12954E+00	0.99220E+00
0.68180E+03	0.51918E+00	0.25041E+00	0.13001E+00	0.99579E+00
0.68190E+03	0.51972E+00	0.25079E+00	0.13034E+00	0.99831E+00
0.68200E+03	0.51969E+00	0.25116E+00	0.13053E+00	0.99973E+00
0.68210E+03	0.51907E+00	0.25153E+00	0.13056E+00	0.10000E+01
0.68220E+03	0.51788E+00	0.25189E+00	0.13045E+00	0.99915E+00
0.68230E+03	0.51609E+00	0.25226E+00	0.13019E+00	0.99715E+00
0.68240E+03	0.51372E+00	0.25263E+00	0.12978E+00	0.99401E+00
0.68250E+03	0.51076E+00	0.25299E+00	0.12922E+00	0.98972E+00
0.68260E+03	0.50721E+00	0.25336E+00	0.12851E+00	0.98427E+00
0.68270E+03	0.50307E+00	0.25373E+00	0.12764E+00	0.97765E+00
0.68280E+03	0.49834E+00	0.25410E+00	0.12663E+00	0.96987E+00
0.68290E+03	0.49303E+00	0.25446E+00	0.12545E+00	0.96089E+00
0.68300E+03	0.48713E+00	0.25481E+00	0.12413E+00	0.95072E+00
0.68310E+03	0.48064E+00	0.25517E+00	0.12264E+00	0.93936E+00
0.68320E+03	0.47357E+00	0.25552E+00	0.12101E+00	0.92683E+00
0.68330E+03	0.46591E+00	0.25588E+00	0.11922E+00	0.91312E+00
0.68340E+03	0.45768E+00	0.25624E+00	0.11728E+00	0.89824E+00
0.68350E+03	0.44888E+00	0.25659E+00	0.11518E+00	0.88220E+00
0.68360E+03	0.43953E+00	0.25695E+00	0.11294E+00	0.86502E+00
0.68370E+03	0.42963E+00	0.25731E+00	0.11055E+00	0.84671E+00
0.68380E+03	0.41921E+00	0.25766E+00	0.10802E+00	0.82732E+00
0.68390E+03	0.40828E+00	0.25802E+00	0.10535E+00	0.80688E+00
0.68400E+03	0.39688E+00	0.25838E+00	0.10255E+00	0.78543E+00
0.68410E+03	0.38504E+00	0.25873E+00	0.99620E-01	0.76302E+00

0.68420E+03	0.37278E+00	0.25908E+00	0.96580E-01	0.73973E+00
0.68430E+03	0.36016E+00	0.25943E+00	0.93437E-01	0.71566E+00
0.68440E+03	0.34722E+00	0.25978E+00	0.90201E-01	0.69087E+00
0.68450E+03	0.33400E+00	0.26013E+00	0.86885E-01	0.66547E+00
0.68460E+03	0.32057E+00	0.26049E+00	0.83503E-01	0.63957E+00
0.68470E+03	0.30697E+00	0.26084E+00	0.80069E-01	0.61327E+00
0.68480E+03	0.29327E+00	0.26119E+00	0.76597E-01	0.58668E+00
0.68490E+03	0.27952E+00	0.26153E+00	0.73102E-01	0.55991E+00
0.68500E+03	0.26579E+00	0.26187E+00	0.69602E-01	0.53310E+00
0.68510E+03	0.25213E+00	0.26221E+00	0.66112E-01	0.50637E+00
0.68520E+03	0.23862E+00	0.26255E+00	0.62650E-01	0.47985E+00
0.68530E+03	0.22530E+00	0.26288E+00	0.59227E-01	0.45364E+00
0.68540E+03	0.21224E+00	0.26321E+00	0.55863E-01	0.42787E+00
0.68550E+03	0.19948E+00	0.26354E+00	0.52571E-01	0.40265E+00
0.68560E+03	0.18708E+00	0.26387E+00	0.49366E-01	0.37810E+00
0.68570E+03	0.17509E+00	0.26420E+00	0.46259E-01	0.35431E+00
0.68580E+03	0.16355E+00	0.26453E+00	0.43263E-01	0.33136E+00
0.68590E+03	0.15248E+00	0.26486E+00	0.40386E-01	0.30933E+00
0.68600E+03	0.14193E+00	0.26519E+00	0.37639E-01	0.28829E+00
0.68610E+03	0.13192E+00	0.26554E+00	0.35031E-01	0.26831E+00
0.68620E+03	0.12247E+00	0.26589E+00	0.32564E-01	0.24941E+00
0.68630E+03	0.11359E+00	0.26624E+00	0.30242E-01	0.23163E+00
0.68640E+03	0.10528E+00	0.26659E+00	0.28067E-01	0.21497E+00
0.68650E+03	0.97554E-01	0.26694E+00	0.26041E-01	0.19945E+00
0.68660E+03	0.90394E-01	0.26729E+00	0.24161E-01	0.18506E+00
0.68670E+03	0.83789E-01	0.26764E+00	0.22425E-01	0.17176E+00
0.68680E+03	0.77721E-01	0.26798E+00	0.20828E-01	0.15953E+00
0.68690E+03	0.72166E-01	0.26833E+00	0.19364E-01	0.14831E+00
0.68700E+03	0.67094E-01	0.26867E+00	0.18026E-01	0.13807E+00
0.68710E+03	0.62472E-01	0.26901E+00	0.16806E-01	0.12872E+00
0.68720E+03	0.58263E-01	0.26936E+00	0.15694E-01	0.12020E+00
0.68730E+03	0.54426E-01	0.26970E+00	0.14679E-01	0.11243E+00
0.68740E+03	0.50920E-01	0.27005E+00	0.13751E-01	0.10532E+00
0.68750E+03	0.47703E-01	0.27039E+00	0.12898E-01	0.98793E-01
0.68760E+03	0.44731E-01	0.27073E+00	0.12110E-01	0.92756E-01
0.68770E+03	0.41965E-01	0.27108E+00	0.11376E-01	0.87131E-01
0.68780E+03	0.39365E-01	0.27142E+00	0.10685E-01	0.81836E-01
0.68790E+03	0.36415E-01	0.27177E+00	0.98965E-02	0.75800E-01
0.68800E+03	0.32504E-01	0.27211E+00	0.88448E-02	0.67745E-01
0.68810E+03	0.29093E-01	0.27243E+00	0.79259E-02	0.60706E-01
0.68820E+03	0.26144E-01	0.27275E+00	0.71308E-02	0.54617E-01
0.68830E+03	0.23615E-01	0.27307E+00	0.64485E-02	0.49391E-01
0.68840E+03	0.21300E-01	0.27339E+00	0.58232E-02	0.44601E-01

0.68850E+03	0.19200E-01	0.27371E+00	0.52552E-02	0.40251E-01
0.68860E+03	0.17200E-01	0.27403E+00	0.47133E-02	0.36100E-01
0.68870E+03	0.15300E-01	0.27433E+00	0.41973E-02	0.32148E-01
0.68880E+03	0.13600E-01	0.27463E+00	0.37350E-02	0.28607E-01
0.68890E+03	0.12000E-01	0.27493E+00	0.32992E-02	0.25269E-01
0.68900E+03	0.10600E-01	0.27523E+00	0.29174E-02	0.22345E-01
0.68910E+03	0.92500E-02	0.27553E+00	0.25486E-02	0.19521E-01
0.68920E+03	0.80500E-02	0.27583E+00	0.22204E-02	0.17007E-01
0.68930E+03	0.69600E-02	0.27612E+00	0.19218E-02	0.14720E-01
0.68940E+03	0.59700E-02	0.27642E+00	0.16502E-02	0.12640E-01
0.68950E+03	0.50900E-02	0.27672E+00	0.14085E-02	0.10788E-01
0.68960E+03	0.43100E-02	0.27702E+00	0.11939E-02	0.91448E-02
0.68970E+03	0.36100E-02	0.27732E+00	0.10011E-02	0.76678E-02
0.68980E+03	0.30000E-02	0.27761E+00	0.83284E-03	0.63790E-02
0.68990E+03	0.24700E-02	0.27791E+00	0.68644E-03	0.52577E-02
0.69000E+03	0.20100E-02	0.27821E+00	0.55920E-03	0.42831E-02
0.69010E+03	0.16200E-02	0.27847E+00	0.45112E-03	0.34553E-02
0.69020E+03	0.12900E-02	0.27873E+00	0.35956E-03	0.27540E-02
0.69030E+03	0.10100E-02	0.27899E+00	0.28178E-03	0.21582E-02
0.69040E+03	0.78500E-03	0.27925E+00	0.21921E-03	0.16790E-02
0.69050E+03	0.60200E-03	0.27951E+00	0.16827E-03	0.12888E-02
0.69060E+03	0.45800E-03	0.27977E+00	0.12814E-03	0.98143E-03
0.69070E+03	0.34600E-03	0.28003E+00	0.96890E-04	0.74210E-03
0.69080E+03	0.26100E-03	0.28028E+00	0.73154E-04	0.56030E-03
0.69090E+03	0.19700E-03	0.28054E+00	0.55266E-04	0.42330E-03
0.69100E+03	0.14700E-03	0.28079E+00	0.41277E-04	0.31615E-03
0.69110E+03	0.10800E-03	0.28105E+00	0.30353E-04	0.23248E-03
0.69120E+03	0.71900E-04	0.28130E+00	0.20226E-04	0.15491E-03
0.69130E+03	0.34000E-04	0.28155E+00	0.95728E-05	0.73321E-04
0.69140E+03	0.00000E+00	0.28181E+00	0.00000E+00	0.00000E+00
Channel 3				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.67085E+03	0.00000E+00	0.20512E+00	0.00000E+00	0.00000E+00
0.67090E+03	0.82887E-04	0.20534E+00	0.17020E-04	0.76210E-04
0.67095E+03	0.17499E-03	0.20556E+00	0.35971E-04	0.16106E-03
0.67100E+03	0.26731E-03	0.20578E+00	0.55006E-04	0.24630E-03
0.67105E+03	0.36001E-03	0.20600E+00	0.74161E-04	0.33207E-03
0.67110E+03	0.45368E-03	0.20622E+00	0.93557E-04	0.41891E-03
0.67115E+03	0.54771E-03	0.20644E+00	0.11307E-03	0.50628E-03
0.67120E+03	0.64256E-03	0.20666E+00	0.13279E-03	0.59459E-03

0.67125E+03	0.73823E-03	0.20688E+00	0.15272E-03	0.68384E-03
0.67130E+03	0.83434E-03	0.20710E+00	0.17279E-03	0.77370E-03
0.67135E+03	0.93123E-03	0.20732E+00	0.19306E-03	0.86447E-03
0.67140E+03	0.10285E-02	0.20754E+00	0.21347E-03	0.95583E-03
0.67145E+03	0.11284E-02	0.20776E+00	0.23444E-03	0.10497E-02
0.67150E+03	0.12284E-02	0.20799E+00	0.25549E-03	0.11440E-02
0.67155E+03	0.13299E-02	0.20821E+00	0.27689E-03	0.12398E-02
0.67160E+03	0.14326E-02	0.20843E+00	0.29860E-03	0.13370E-02
0.67165E+03	0.15373E-02	0.20865E+00	0.32077E-03	0.14363E-02
0.67170E+03	0.16462E-02	0.20888E+00	0.34385E-03	0.15396E-02
0.67175E+03	0.17570E-02	0.20910E+00	0.36739E-03	0.16450E-02
0.67180E+03	0.18682E-02	0.20932E+00	0.39107E-03	0.17511E-02
0.67185E+03	0.19799E-02	0.20955E+00	0.41488E-03	0.18577E-02
0.67190E+03	0.20952E-02	0.20977E+00	0.43950E-03	0.19679E-02
0.67195E+03	0.22107E-02	0.20999E+00	0.46423E-03	0.20786E-02
0.67200E+03	0.23290E-02	0.21022E+00	0.48960E-03	0.21922E-02
0.67205E+03	0.24475E-02	0.21045E+00	0.51507E-03	0.23063E-02
0.67210E+03	0.25685E-02	0.21068E+00	0.54111E-03	0.24229E-02
0.67215E+03	0.26904E-02	0.21090E+00	0.56742E-03	0.25407E-02
0.67220E+03	0.28124E-02	0.21113E+00	0.59379E-03	0.26588E-02
0.67225E+03	0.29369E-02	0.21136E+00	0.62075E-03	0.27795E-02
0.67230E+03	0.30632E-02	0.21159E+00	0.64814E-03	0.29021E-02
0.67235E+03	0.31898E-02	0.21182E+00	0.67568E-03	0.30255E-02
0.67240E+03	0.33171E-02	0.21205E+00	0.70339E-03	0.31495E-02
0.67245E+03	0.34485E-02	0.21228E+00	0.73206E-03	0.32779E-02
0.67250E+03	0.35841E-02	0.21251E+00	0.76165E-03	0.34104E-02
0.67255E+03	0.37201E-02	0.21274E+00	0.79141E-03	0.35436E-02
0.67260E+03	0.38583E-02	0.21297E+00	0.82170E-03	0.36793E-02
0.67265E+03	0.39988E-02	0.21320E+00	0.85255E-03	0.38174E-02
0.67270E+03	0.41395E-02	0.21343E+00	0.88349E-03	0.39560E-02
0.67275E+03	0.42820E-02	0.21366E+00	0.91489E-03	0.40965E-02
0.67280E+03	0.44248E-02	0.21389E+00	0.94641E-03	0.42377E-02
0.67285E+03	0.45690E-02	0.21412E+00	0.97829E-03	0.43804E-02
0.67290E+03	0.47191E-02	0.21435E+00	0.10115E-02	0.45292E-02
0.67295E+03	0.48705E-02	0.21458E+00	0.10451E-02	0.46796E-02
0.67300E+03	0.50271E-02	0.21481E+00	0.10799E-02	0.48352E-02
0.67305E+03	0.51844E-02	0.21504E+00	0.11148E-02	0.49918E-02
0.67310E+03	0.53482E-02	0.21527E+00	0.11513E-02	0.51550E-02
0.67315E+03	0.55120E-02	0.21549E+00	0.11878E-02	0.53186E-02
0.67320E+03	0.56771E-02	0.21572E+00	0.12247E-02	0.54838E-02
0.67325E+03	0.58438E-02	0.21595E+00	0.12619E-02	0.56505E-02
0.67330E+03	0.60106E-02	0.21617E+00	0.12993E-02	0.58178E-02
0.67335E+03	0.61799E-02	0.21639E+00	0.13373E-02	0.59877E-02

0.67340E+03	0.63536E-02	0.21661E+00	0.13762E-02	0.61622E-02
0.67345E+03	0.65288E-02	0.21683E+00	0.14156E-02	0.63386E-02
0.67350E+03	0.67042E-02	0.21705E+00	0.14551E-02	0.65155E-02
0.67355E+03	0.68797E-02	0.21727E+00	0.14947E-02	0.66929E-02
0.67360E+03	0.70561E-02	0.21749E+00	0.15346E-02	0.68715E-02
0.67365E+03	0.72325E-02	0.21771E+00	0.15746E-02	0.70505E-02
0.67370E+03	0.74107E-02	0.21793E+00	0.16150E-02	0.72315E-02
0.67375E+03	0.75933E-02	0.21815E+00	0.16565E-02	0.74172E-02
0.67380E+03	0.77860E-02	0.21838E+00	0.17003E-02	0.76132E-02
0.67385E+03	0.79828E-02	0.21860E+00	0.17450E-02	0.78135E-02
0.67390E+03	0.81839E-02	0.21882E+00	0.17908E-02	0.80185E-02
0.67395E+03	0.83851E-02	0.21904E+00	0.18367E-02	0.82240E-02
0.67400E+03	0.85869E-02	0.21926E+00	0.18828E-02	0.84305E-02
0.67405E+03	0.87909E-02	0.21949E+00	0.19295E-02	0.86395E-02
0.67410E+03	0.89953E-02	0.21971E+00	0.19764E-02	0.88495E-02
0.67415E+03	0.92079E-02	0.21994E+00	0.20252E-02	0.90680E-02
0.67420E+03	0.94403E-02	0.22016E+00	0.20784E-02	0.93063E-02
0.67425E+03	0.96743E-02	0.22039E+00	0.21321E-02	0.95467E-02
0.67430E+03	0.99224E-02	0.22061E+00	0.21890E-02	0.98015E-02
0.67435E+03	0.10171E-01	0.22084E+00	0.22461E-02	0.10057E-01
0.67440E+03	0.10430E-01	0.22106E+00	0.23057E-02	0.10324E-01
0.67445E+03	0.10691E-01	0.22129E+00	0.23658E-02	0.10593E-01
0.67450E+03	0.10960E-01	0.22152E+00	0.24279E-02	0.10871E-01
0.67455E+03	0.11233E-01	0.22174E+00	0.24909E-02	0.11153E-01
0.67460E+03	0.11515E-01	0.22197E+00	0.25560E-02	0.11445E-01
0.67465E+03	0.11800E-01	0.22219E+00	0.26218E-02	0.11739E-01
0.67470E+03	0.12091E-01	0.22242E+00	0.26892E-02	0.12041E-01
0.67475E+03	0.12384E-01	0.22265E+00	0.27573E-02	0.12346E-01
0.67480E+03	0.12679E-01	0.22287E+00	0.28259E-02	0.12653E-01
0.67485E+03	0.12977E-01	0.22310E+00	0.28952E-02	0.12964E-01
0.67490E+03	0.13321E-01	0.22333E+00	0.29750E-02	0.13321E-01
0.67495E+03	0.13715E-01	0.22355E+00	0.30661E-02	0.13729E-01
0.67500E+03	0.14171E-01	0.22378E+00	0.31712E-02	0.14199E-01
0.67505E+03	0.14687E-01	0.22401E+00	0.32900E-02	0.14731E-01
0.67510E+03	0.15264E-01	0.22424E+00	0.34228E-02	0.15326E-01
0.67515E+03	0.15882E-01	0.22445E+00	0.35649E-02	0.15962E-01
0.67520E+03	0.16538E-01	0.22466E+00	0.37155E-02	0.16636E-01
0.67525E+03	0.17224E-01	0.22486E+00	0.38729E-02	0.17342E-01
0.67530E+03	0.17930E-01	0.22507E+00	0.40354E-02	0.18069E-01
0.67535E+03	0.18642E-01	0.22527E+00	0.41994E-02	0.18804E-01
0.67540E+03	0.19367E-01	0.22548E+00	0.43667E-02	0.19552E-01
0.67545E+03	0.20099E-01	0.22568E+00	0.45360E-02	0.20311E-01
0.67550E+03	0.20833E-01	0.22589E+00	0.47058E-02	0.21071E-01

0.67555E+03	0.21569E-01	0.22609E+00	0.48767E-02	0.21836E-01
0.67560E+03	0.22309E-01	0.22630E+00	0.50484E-02	0.22605E-01
0.67565E+03	0.23049E-01	0.22650E+00	0.52205E-02	0.23376E-01
0.67570E+03	0.23790E-01	0.22671E+00	0.53934E-02	0.24150E-01
0.67575E+03	0.24492E-01	0.22691E+00	0.55576E-02	0.24885E-01
0.67580E+03	0.25172E-01	0.22712E+00	0.57170E-02	0.25599E-01
0.67585E+03	0.25832E-01	0.22732E+00	0.58721E-02	0.26293E-01
0.67590E+03	0.26476E-01	0.22753E+00	0.60241E-02	0.26974E-01
0.67595E+03	0.27108E-01	0.22773E+00	0.61735E-02	0.27643E-01
0.67600E+03	0.27725E-01	0.22794E+00	0.63195E-02	0.28297E-01
0.67605E+03	0.28335E-01	0.22815E+00	0.64647E-02	0.28946E-01
0.67610E+03	0.28953E-01	0.22836E+00	0.66115E-02	0.29604E-01
0.67615E+03	0.29575E-01	0.22857E+00	0.67599E-02	0.30268E-01
0.67620E+03	0.30226E-01	0.22877E+00	0.69148E-02	0.30962E-01
0.67625E+03	0.30907E-01	0.22898E+00	0.70772E-02	0.31689E-01
0.67630E+03	0.31623E-01	0.22919E+00	0.72477E-02	0.32453E-01
0.67635E+03	0.32368E-01	0.22940E+00	0.74252E-02	0.33247E-01
0.67640E+03	0.33177E-01	0.22961E+00	0.76178E-02	0.34110E-01
0.67645E+03	0.34043E-01	0.22982E+00	0.78236E-02	0.35031E-01
0.67650E+03	0.34954E-01	0.23003E+00	0.80402E-02	0.36001E-01
0.67655E+03	0.35895E-01	0.23024E+00	0.82643E-02	0.37005E-01
0.67660E+03	0.36853E-01	0.23044E+00	0.84925E-02	0.38026E-01
0.67665E+03	0.37823E-01	0.23065E+00	0.87240E-02	0.39063E-01
0.67670E+03	0.38804E-01	0.23086E+00	0.89583E-02	0.40112E-01
0.67675E+03	0.39797E-01	0.23107E+00	0.91961E-02	0.41177E-01
0.67680E+03	0.40793E-01	0.23128E+00	0.94346E-02	0.42245E-01
0.67685E+03	0.41796E-01	0.23149E+00	0.96754E-02	0.43323E-01
0.67690E+03	0.42815E-01	0.23170E+00	0.99203E-02	0.44420E-01
0.67695E+03	0.43861E-01	0.23191E+00	0.10172E-01	0.45546E-01
0.67700E+03	0.44955E-01	0.23212E+00	0.10435E-01	0.46723E-01
0.67705E+03	0.46101E-01	0.23233E+00	0.10710E-01	0.47957E-01
0.67710E+03	0.47303E-01	0.23252E+00	0.10999E-01	0.49250E-01
0.67715E+03	0.48570E-01	0.23272E+00	0.11303E-01	0.50612E-01
0.67720E+03	0.49930E-01	0.23291E+00	0.11629E-01	0.52072E-01
0.67725E+03	0.51385E-01	0.23311E+00	0.11978E-01	0.53633E-01
0.67730E+03	0.52934E-01	0.23330E+00	0.12349E-01	0.55296E-01
0.67735E+03	0.54555E-01	0.23349E+00	0.12738E-01	0.57037E-01
0.67740E+03	0.56249E-01	0.23369E+00	0.13145E-01	0.58857E-01
0.67745E+03	0.58008E-01	0.23388E+00	0.13567E-01	0.60748E-01
0.67750E+03	0.59826E-01	0.23407E+00	0.14004E-01	0.62703E-01
0.67755E+03	0.61711E-01	0.23427E+00	0.14457E-01	0.64732E-01
0.67760E+03	0.63672E-01	0.23446E+00	0.14929E-01	0.66845E-01
0.67765E+03	0.65709E-01	0.23465E+00	0.15419E-01	0.69040E-01

0.67770E+03	0.67821E-01	0.23485E+00	0.15927E-01	0.71318E-01
0.67775E+03	0.69992E-01	0.23504E+00	0.16451E-01	0.73660E-01
0.67780E+03	0.72226E-01	0.23523E+00	0.16990E-01	0.76074E-01
0.67785E+03	0.74516E-01	0.23542E+00	0.17543E-01	0.78550E-01
0.67790E+03	0.76854E-01	0.23562E+00	0.18108E-01	0.81081E-01
0.67795E+03	0.79249E-01	0.23581E+00	0.18688E-01	0.83676E-01
0.67800E+03	0.81714E-01	0.23600E+00	0.19284E-01	0.86349E-01
0.67805E+03	0.84245E-01	0.23619E+00	0.19898E-01	0.89095E-01
0.67810E+03	0.86839E-01	0.23638E+00	0.20527E-01	0.91913E-01
0.67815E+03	0.89502E-01	0.23657E+00	0.21174E-01	0.94809E-01
0.67820E+03	0.92260E-01	0.23676E+00	0.21844E-01	0.97809E-01
0.67825E+03	0.95111E-01	0.23696E+00	0.22537E-01	0.10091E+00
0.67830E+03	0.98054E-01	0.23715E+00	0.23253E-01	0.10412E+00
0.67835E+03	0.10108E+00	0.23734E+00	0.23990E-01	0.10742E+00
0.67840E+03	0.10419E+00	0.23753E+00	0.24747E-01	0.11081E+00
0.67845E+03	0.10738E+00	0.23772E+00	0.25527E-01	0.11430E+00
0.67850E+03	0.11066E+00	0.23791E+00	0.26328E-01	0.11789E+00
0.67855E+03	0.11403E+00	0.23810E+00	0.27151E-01	0.12157E+00
0.67860E+03	0.11748E+00	0.23829E+00	0.27995E-01	0.12535E+00
0.67865E+03	0.12102E+00	0.23848E+00	0.28862E-01	0.12924E+00
0.67870E+03	0.12466E+00	0.23868E+00	0.29754E-01	0.13323E+00
0.67875E+03	0.12839E+00	0.23887E+00	0.30669E-01	0.13733E+00
0.67880E+03	0.13222E+00	0.23906E+00	0.31608E-01	0.14153E+00
0.67885E+03	0.13614E+00	0.23925E+00	0.32571E-01	0.14584E+00
0.67890E+03	0.14016E+00	0.23944E+00	0.33560E-01	0.15027E+00
0.67895E+03	0.14430E+00	0.23963E+00	0.34579E-01	0.15483E+00
0.67900E+03	0.14858E+00	0.23983E+00	0.35633E-01	0.15955E+00
0.67905E+03	0.15300E+00	0.24002E+00	0.36722E-01	0.16443E+00
0.67910E+03	0.15756E+00	0.24021E+00	0.37849E-01	0.16947E+00
0.67915E+03	0.16226E+00	0.24040E+00	0.39008E-01	0.17466E+00
0.67920E+03	0.16709E+00	0.24059E+00	0.40200E-01	0.18000E+00
0.67925E+03	0.17204E+00	0.24079E+00	0.41425E-01	0.18548E+00
0.67930E+03	0.17710E+00	0.24098E+00	0.42679E-01	0.19110E+00
0.67935E+03	0.18230E+00	0.24117E+00	0.43965E-01	0.19686E+00
0.67940E+03	0.18760E+00	0.24137E+00	0.45281E-01	0.20275E+00
0.67945E+03	0.19303E+00	0.24156E+00	0.46627E-01	0.20878E+00
0.67950E+03	0.19857E+00	0.24175E+00	0.48004E-01	0.21495E+00
0.67955E+03	0.20425E+00	0.24194E+00	0.49417E-01	0.22127E+00
0.67960E+03	0.21007E+00	0.24214E+00	0.50867E-01	0.22776E+00
0.67965E+03	0.21606E+00	0.24233E+00	0.52357E-01	0.23444E+00
0.67970E+03	0.22221E+00	0.24252E+00	0.53891E-01	0.24130E+00
0.67975E+03	0.22852E+00	0.24272E+00	0.55466E-01	0.24835E+00
0.67980E+03	0.23500E+00	0.24291E+00	0.57083E-01	0.25560E+00

0.67985E+03	0.24164E+00	0.24310E+00	0.58745E-01	0.26304E+00
0.67990E+03	0.24847E+00	0.24330E+00	0.60453E-01	0.27069E+00
0.67995E+03	0.25544E+00	0.24349E+00	0.62199E-01	0.27850E+00
0.68000E+03	0.26252E+00	0.24369E+00	0.63973E-01	0.28645E+00
0.68005E+03	0.26971E+00	0.24387E+00	0.65775E-01	0.29452E+00
0.68010E+03	0.27700E+00	0.24406E+00	0.67603E-01	0.30270E+00
0.68015E+03	0.28438E+00	0.24425E+00	0.69460E-01	0.31102E+00
0.68020E+03	0.29186E+00	0.24443E+00	0.71340E-01	0.31944E+00
0.68025E+03	0.29941E+00	0.24462E+00	0.73242E-01	0.32795E+00
0.68030E+03	0.30704E+00	0.24481E+00	0.75166E-01	0.33657E+00
0.68035E+03	0.31476E+00	0.24500E+00	0.77116E-01	0.34530E+00
0.68040E+03	0.32258E+00	0.24519E+00	0.79092E-01	0.35415E+00
0.68045E+03	0.33050E+00	0.24537E+00	0.81095E-01	0.36311E+00
0.68050E+03	0.33851E+00	0.24556E+00	0.83126E-01	0.37221E+00
0.68055E+03	0.34662E+00	0.24575E+00	0.85182E-01	0.38141E+00
0.68060E+03	0.35480E+00	0.24594E+00	0.87260E-01	0.39072E+00
0.68065E+03	0.36306E+00	0.24613E+00	0.89359E-01	0.40012E+00
0.68070E+03	0.37139E+00	0.24631E+00	0.91480E-01	0.40961E+00
0.68075E+03	0.37978E+00	0.24650E+00	0.93617E-01	0.41918E+00
0.68080E+03	0.38819E+00	0.24669E+00	0.95762E-01	0.42879E+00
0.68085E+03	0.39661E+00	0.24688E+00	0.97915E-01	0.43843E+00
0.68090E+03	0.40504E+00	0.24707E+00	0.10007E+00	0.44809E+00
0.68095E+03	0.41348E+00	0.24726E+00	0.10224E+00	0.45778E+00
0.68100E+03	0.42191E+00	0.24744E+00	0.10440E+00	0.46746E+00
0.68105E+03	0.43032E+00	0.24763E+00	0.10656E+00	0.47714E+00
0.68110E+03	0.43872E+00	0.24781E+00	0.10872E+00	0.48681E+00
0.68115E+03	0.44708E+00	0.24800E+00	0.11088E+00	0.49646E+00
0.68120E+03	0.45539E+00	0.24818E+00	0.11302E+00	0.50606E+00
0.68125E+03	0.46365E+00	0.24837E+00	0.11515E+00	0.51562E+00
0.68130E+03	0.47185E+00	0.24855E+00	0.11728E+00	0.52513E+00
0.68135E+03	0.47998E+00	0.24874E+00	0.11939E+00	0.53459E+00
0.68140E+03	0.48802E+00	0.24893E+00	0.12148E+00	0.54395E+00
0.68145E+03	0.49597E+00	0.24911E+00	0.12355E+00	0.55322E+00
0.68150E+03	0.50384E+00	0.24930E+00	0.12561E+00	0.56242E+00
0.68155E+03	0.51162E+00	0.24948E+00	0.12764E+00	0.57153E+00
0.68160E+03	0.51929E+00	0.24967E+00	0.12965E+00	0.58053E+00
0.68165E+03	0.52686E+00	0.24986E+00	0.13164E+00	0.58943E+00
0.68170E+03	0.53433E+00	0.25004E+00	0.13361E+00	0.59824E+00
0.68175E+03	0.54169E+00	0.25023E+00	0.13555E+00	0.60693E+00
0.68180E+03	0.54893E+00	0.25041E+00	0.13746E+00	0.61549E+00
0.68185E+03	0.55603E+00	0.25060E+00	0.13934E+00	0.62392E+00
0.68190E+03	0.56300E+00	0.25079E+00	0.14119E+00	0.63222E+00
0.68195E+03	0.56983E+00	0.25097E+00	0.14301E+00	0.64036E+00

0.68200E+03	0.57649E+00	0.25116E+00	0.14479E+00	0.64833E+00
0.68205E+03	0.58298E+00	0.25134E+00	0.14653E+00	0.65610E+00
0.68210E+03	0.58929E+00	0.25153E+00	0.14822E+00	0.66369E+00
0.68215E+03	0.59543E+00	0.25171E+00	0.14988E+00	0.67109E+00
0.68220E+03	0.60137E+00	0.25189E+00	0.15148E+00	0.67827E+00
0.68225E+03	0.60710E+00	0.25208E+00	0.15304E+00	0.68524E+00
0.68230E+03	0.61264E+00	0.25226E+00	0.15454E+00	0.69200E+00
0.68235E+03	0.61799E+00	0.25244E+00	0.15601E+00	0.69855E+00
0.68240E+03	0.62316E+00	0.25263E+00	0.15743E+00	0.70490E+00
0.68245E+03	0.62816E+00	0.25281E+00	0.15881E+00	0.71107E+00
0.68250E+03	0.63299E+00	0.25299E+00	0.16014E+00	0.71707E+00
0.68255E+03	0.63765E+00	0.25318E+00	0.16144E+00	0.72286E+00
0.68260E+03	0.64211E+00	0.25336E+00	0.16269E+00	0.72845E+00
0.68265E+03	0.64638E+00	0.25355E+00	0.16389E+00	0.73383E+00
0.68270E+03	0.65047E+00	0.25373E+00	0.16504E+00	0.73901E+00
0.68275E+03	0.65438E+00	0.25391E+00	0.16616E+00	0.74398E+00
0.68280E+03	0.65811E+00	0.25410E+00	0.16722E+00	0.74877E+00
0.68285E+03	0.66168E+00	0.25428E+00	0.16825E+00	0.75336E+00
0.68290E+03	0.66506E+00	0.25446E+00	0.16923E+00	0.75775E+00
0.68295E+03	0.66828E+00	0.25464E+00	0.17017E+00	0.76195E+00
0.68300E+03	0.67133E+00	0.25481E+00	0.17106E+00	0.76596E+00
0.68305E+03	0.67421E+00	0.25499E+00	0.17192E+00	0.76978E+00
0.68310E+03	0.67692E+00	0.25517E+00	0.17273E+00	0.77342E+00
0.68315E+03	0.67947E+00	0.25535E+00	0.17350E+00	0.77687E+00
0.68320E+03	0.68186E+00	0.25552E+00	0.17423E+00	0.78015E+00
0.68325E+03	0.68410E+00	0.25570E+00	0.17493E+00	0.78326E+00
0.68330E+03	0.68618E+00	0.25588E+00	0.17558E+00	0.78619E+00
0.68335E+03	0.68810E+00	0.25606E+00	0.17620E+00	0.78894E+00
0.68340E+03	0.68986E+00	0.25624E+00	0.17677E+00	0.79150E+00
0.68345E+03	0.69145E+00	0.25642E+00	0.17730E+00	0.79388E+00
0.68350E+03	0.69287E+00	0.25659E+00	0.17778E+00	0.79606E+00
0.68355E+03	0.69412E+00	0.25677E+00	0.17823E+00	0.79806E+00
0.68360E+03	0.69522E+00	0.25695E+00	0.17864E+00	0.79987E+00
0.68365E+03	0.69614E+00	0.25713E+00	0.17900E+00	0.80149E+00
0.68370E+03	0.69691E+00	0.25731E+00	0.17932E+00	0.80293E+00
0.68375E+03	0.69754E+00	0.25749E+00	0.17961E+00	0.80421E+00
0.68380E+03	0.69805E+00	0.25766E+00	0.17986E+00	0.80536E+00
0.68385E+03	0.69846E+00	0.25784E+00	0.18009E+00	0.80639E+00
0.68390E+03	0.69876E+00	0.25802E+00	0.18030E+00	0.80730E+00
0.68395E+03	0.69897E+00	0.25820E+00	0.18047E+00	0.80810E+00
0.68400E+03	0.69909E+00	0.25838E+00	0.18063E+00	0.80879E+00
0.68405E+03	0.69911E+00	0.25855E+00	0.18076E+00	0.80937E+00
0.68410E+03	0.69905E+00	0.25873E+00	0.18086E+00	0.80984E+00

0.68415E+03	0.69891E+00	0.25890E+00	0.18095E+00	0.81023E+00
0.68420E+03	0.69872E+00	0.25908E+00	0.18103E+00	0.81057E+00
0.68425E+03	0.69850E+00	0.25926E+00	0.18109E+00	0.81085E+00
0.68430E+03	0.69822E+00	0.25943E+00	0.18114E+00	0.81107E+00
0.68435E+03	0.69789E+00	0.25961E+00	0.18118E+00	0.81124E+00
0.68440E+03	0.69750E+00	0.25978E+00	0.18120E+00	0.81134E+00
0.68445E+03	0.69705E+00	0.25996E+00	0.18120E+00	0.81137E+00
0.68450E+03	0.69655E+00	0.26013E+00	0.18120E+00	0.81133E+00
0.68455E+03	0.69600E+00	0.26031E+00	0.18118E+00	0.81124E+00
0.68460E+03	0.69543E+00	0.26049E+00	0.18115E+00	0.81112E+00
0.68465E+03	0.69482E+00	0.26066E+00	0.18111E+00	0.81096E+00
0.68470E+03	0.69417E+00	0.26084E+00	0.18107E+00	0.81075E+00
0.68475E+03	0.69350E+00	0.26101E+00	0.18101E+00	0.81052E+00
0.68480E+03	0.69280E+00	0.26119E+00	0.18095E+00	0.81024E+00
0.68485E+03	0.69208E+00	0.26136E+00	0.18088E+00	0.80992E+00
0.68490E+03	0.69132E+00	0.26153E+00	0.18080E+00	0.80956E+00
0.68495E+03	0.69054E+00	0.26170E+00	0.18071E+00	0.80917E+00
0.68500E+03	0.68975E+00	0.26187E+00	0.18062E+00	0.80877E+00
0.68505E+03	0.68895E+00	0.26204E+00	0.18053E+00	0.80835E+00
0.68510E+03	0.68813E+00	0.26221E+00	0.18043E+00	0.80792E+00
0.68515E+03	0.68732E+00	0.26238E+00	0.18034E+00	0.80750E+00
0.68520E+03	0.68652E+00	0.26255E+00	0.18025E+00	0.80708E+00
0.68525E+03	0.68573E+00	0.26272E+00	0.18015E+00	0.80665E+00
0.68530E+03	0.68496E+00	0.26288E+00	0.18006E+00	0.80625E+00
0.68535E+03	0.68422E+00	0.26304E+00	0.17998E+00	0.80588E+00
0.68540E+03	0.68351E+00	0.26321E+00	0.17991E+00	0.80556E+00
0.68545E+03	0.68286E+00	0.26337E+00	0.17985E+00	0.80529E+00
0.68550E+03	0.68223E+00	0.26354E+00	0.17979E+00	0.80505E+00
0.68555E+03	0.68164E+00	0.26370E+00	0.17975E+00	0.80486E+00
0.68560E+03	0.68110E+00	0.26387E+00	0.17972E+00	0.80472E+00
0.68565E+03	0.68059E+00	0.26403E+00	0.17970E+00	0.80463E+00
0.68570E+03	0.68012E+00	0.26420E+00	0.17969E+00	0.80457E+00
0.68575E+03	0.67969E+00	0.26436E+00	0.17968E+00	0.80456E+00
0.68580E+03	0.67929E+00	0.26453E+00	0.17969E+00	0.80459E+00
0.68585E+03	0.67892E+00	0.26469E+00	0.17970E+00	0.80465E+00
0.68590E+03	0.67858E+00	0.26486E+00	0.17973E+00	0.80476E+00
0.68595E+03	0.67829E+00	0.26502E+00	0.17976E+00	0.80491E+00
0.68600E+03	0.67804E+00	0.26519E+00	0.17981E+00	0.80512E+00
0.68605E+03	0.67784E+00	0.26536E+00	0.17987E+00	0.80541E+00
0.68610E+03	0.67768E+00	0.26554E+00	0.17995E+00	0.80575E+00
0.68615E+03	0.67758E+00	0.26571E+00	0.18004E+00	0.80616E+00
0.68620E+03	0.67755E+00	0.26589E+00	0.18015E+00	0.80666E+00
0.68625E+03	0.67759E+00	0.26606E+00	0.18028E+00	0.80723E+00

0.68630E+03	0.67770E+00	0.26624E+00	0.18043E+00	0.80790E+00
0.68635E+03	0.67787E+00	0.26641E+00	0.18059E+00	0.80863E+00
0.68640E+03	0.67808E+00	0.26659E+00	0.18077E+00	0.80941E+00
0.68645E+03	0.67834E+00	0.26676E+00	0.18095E+00	0.81024E+00
0.68650E+03	0.67863E+00	0.26694E+00	0.18115E+00	0.81113E+00
0.68655E+03	0.67896E+00	0.26711E+00	0.18136E+00	0.81206E+00
0.68660E+03	0.67935E+00	0.26729E+00	0.18158E+00	0.81306E+00
0.68665E+03	0.67979E+00	0.26746E+00	0.18182E+00	0.81411E+00
0.68670E+03	0.68027E+00	0.26764E+00	0.18207E+00	0.81523E+00
0.68675E+03	0.68080E+00	0.26781E+00	0.18232E+00	0.81638E+00
0.68680E+03	0.68136E+00	0.26798E+00	0.18259E+00	0.81758E+00
0.68685E+03	0.68196E+00	0.26815E+00	0.18287E+00	0.81883E+00
0.68690E+03	0.68259E+00	0.26833E+00	0.18316E+00	0.82011E+00
0.68695E+03	0.68324E+00	0.26850E+00	0.18345E+00	0.82142E+00
0.68700E+03	0.68391E+00	0.26867E+00	0.18375E+00	0.82275E+00
0.68705E+03	0.68459E+00	0.26884E+00	0.18405E+00	0.82410E+00
0.68710E+03	0.68528E+00	0.26901E+00	0.18435E+00	0.82545E+00
0.68715E+03	0.68597E+00	0.26919E+00	0.18465E+00	0.82682E+00
0.68720E+03	0.68667E+00	0.26936E+00	0.18496E+00	0.82818E+00
0.68725E+03	0.68737E+00	0.26953E+00	0.18527E+00	0.82956E+00
0.68730E+03	0.68808E+00	0.26970E+00	0.18558E+00	0.83094E+00
0.68735E+03	0.68879E+00	0.26987E+00	0.18589E+00	0.83233E+00
0.68740E+03	0.68952E+00	0.27005E+00	0.18620E+00	0.83375E+00
0.68745E+03	0.69027E+00	0.27022E+00	0.18652E+00	0.83518E+00
0.68750E+03	0.69103E+00	0.27039E+00	0.18685E+00	0.83664E+00
0.68755E+03	0.69183E+00	0.27056E+00	0.18718E+00	0.83814E+00
0.68760E+03	0.69266E+00	0.27073E+00	0.18753E+00	0.83968E+00
0.68765E+03	0.69354E+00	0.27091E+00	0.18788E+00	0.84128E+00
0.68770E+03	0.69447E+00	0.27108E+00	0.18826E+00	0.84294E+00
0.68775E+03	0.69544E+00	0.27125E+00	0.18864E+00	0.84466E+00
0.68780E+03	0.69645E+00	0.27142E+00	0.18903E+00	0.84643E+00
0.68785E+03	0.69752E+00	0.27160E+00	0.18944E+00	0.84826E+00
0.68790E+03	0.69862E+00	0.27177E+00	0.18986E+00	0.85014E+00
0.68795E+03	0.69977E+00	0.27194E+00	0.19030E+00	0.85208E+00
0.68800E+03	0.70096E+00	0.27211E+00	0.19074E+00	0.85408E+00
0.68805E+03	0.70221E+00	0.27227E+00	0.19119E+00	0.85609E+00
0.68810E+03	0.70351E+00	0.27243E+00	0.19166E+00	0.85818E+00
0.68815E+03	0.70485E+00	0.27259E+00	0.19214E+00	0.86032E+00
0.68820E+03	0.70622E+00	0.27275E+00	0.19262E+00	0.86250E+00
0.68825E+03	0.70762E+00	0.27291E+00	0.19312E+00	0.86471E+00
0.68830E+03	0.70906E+00	0.27307E+00	0.19362E+00	0.86697E+00
0.68835E+03	0.71053E+00	0.27323E+00	0.19414E+00	0.86927E+00
0.68840E+03	0.71203E+00	0.27339E+00	0.19466E+00	0.87163E+00

0.68845E+03	0.71358E+00	0.27355E+00	0.19520E+00	0.87402E+00
0.68850E+03	0.71516E+00	0.27371E+00	0.19574E+00	0.87647E+00
0.68855E+03	0.71678E+00	0.27387E+00	0.19630E+00	0.87897E+00
0.68860E+03	0.71845E+00	0.27403E+00	0.19687E+00	0.88153E+00
0.68865E+03	0.72017E+00	0.27418E+00	0.19746E+00	0.88415E+00
0.68870E+03	0.72194E+00	0.27433E+00	0.19805E+00	0.88680E+00
0.68875E+03	0.72376E+00	0.27448E+00	0.19866E+00	0.88952E+00
0.68880E+03	0.72561E+00	0.27463E+00	0.19927E+00	0.89228E+00
0.68885E+03	0.72750E+00	0.27478E+00	0.19990E+00	0.89510E+00
0.68890E+03	0.72944E+00	0.27493E+00	0.20054E+00	0.89797E+00
0.68895E+03	0.73140E+00	0.27508E+00	0.20119E+00	0.90087E+00
0.68900E+03	0.73336E+00	0.27523E+00	0.20184E+00	0.90378E+00
0.68905E+03	0.73532E+00	0.27538E+00	0.20249E+00	0.90669E+00
0.68910E+03	0.73728E+00	0.27553E+00	0.20314E+00	0.90959E+00
0.68915E+03	0.73922E+00	0.27568E+00	0.20379E+00	0.91248E+00
0.68920E+03	0.74114E+00	0.27583E+00	0.20443E+00	0.91534E+00
0.68925E+03	0.74302E+00	0.27598E+00	0.20506E+00	0.91817E+00
0.68930E+03	0.74487E+00	0.27612E+00	0.20568E+00	0.92094E+00
0.68935E+03	0.74668E+00	0.27627E+00	0.20629E+00	0.92368E+00
0.68940E+03	0.74847E+00	0.27642E+00	0.20689E+00	0.92639E+00
0.68945E+03	0.75023E+00	0.27657E+00	0.20749E+00	0.92907E+00
0.68950E+03	0.75197E+00	0.27672E+00	0.20809E+00	0.93173E+00
0.68955E+03	0.75369E+00	0.27687E+00	0.20867E+00	0.93437E+00
0.68960E+03	0.75538E+00	0.27702E+00	0.20925E+00	0.93696E+00
0.68965E+03	0.75704E+00	0.27717E+00	0.20983E+00	0.93952E+00
0.68970E+03	0.75867E+00	0.27732E+00	0.21039E+00	0.94206E+00
0.68975E+03	0.76028E+00	0.27746E+00	0.21095E+00	0.94456E+00
0.68980E+03	0.76186E+00	0.27761E+00	0.21150E+00	0.94703E+00
0.68985E+03	0.76340E+00	0.27776E+00	0.21204E+00	0.94946E+00
0.68990E+03	0.76492E+00	0.27791E+00	0.21258E+00	0.95185E+00
0.68995E+03	0.76640E+00	0.27806E+00	0.21311E+00	0.95422E+00
0.69000E+03	0.76787E+00	0.27821E+00	0.21363E+00	0.95655E+00
0.69005E+03	0.76931E+00	0.27834E+00	0.21413E+00	0.95879E+00
0.69010E+03	0.77073E+00	0.27847E+00	0.21462E+00	0.96101E+00
0.69015E+03	0.77212E+00	0.27860E+00	0.21511E+00	0.96320E+00
0.69020E+03	0.77348E+00	0.27873E+00	0.21559E+00	0.96535E+00
0.69025E+03	0.77480E+00	0.27886E+00	0.21606E+00	0.96745E+00
0.69030E+03	0.77610E+00	0.27899E+00	0.21653E+00	0.96952E+00
0.69035E+03	0.77736E+00	0.27912E+00	0.21698E+00	0.97155E+00
0.69040E+03	0.77859E+00	0.27925E+00	0.21742E+00	0.97354E+00
0.69045E+03	0.77977E+00	0.27938E+00	0.21786E+00	0.97548E+00
0.69050E+03	0.78093E+00	0.27951E+00	0.21828E+00	0.97739E+00
0.69055E+03	0.78205E+00	0.27964E+00	0.21870E+00	0.97925E+00

0.69060E+03	0.78313E+00	0.27977E+00	0.21910E+00	0.98105E+00
0.69065E+03	0.78416E+00	0.27990E+00	0.21949E+00	0.98279E+00
0.69070E+03	0.78514E+00	0.28003E+00	0.21986E+00	0.98446E+00
0.69075E+03	0.78607E+00	0.28016E+00	0.22022E+00	0.98608E+00
0.69080E+03	0.78695E+00	0.28028E+00	0.22057E+00	0.98763E+00
0.69085E+03	0.78777E+00	0.28041E+00	0.22090E+00	0.98910E+00
0.69090E+03	0.78853E+00	0.28054E+00	0.22121E+00	0.99051E+00
0.69095E+03	0.78923E+00	0.28067E+00	0.22151E+00	0.99184E+00
0.69100E+03	0.78985E+00	0.28079E+00	0.22179E+00	0.99308E+00
0.69105E+03	0.79039E+00	0.28092E+00	0.22204E+00	0.99420E+00
0.69110E+03	0.79085E+00	0.28105E+00	0.22226E+00	0.99522E+00
0.69115E+03	0.79123E+00	0.28117E+00	0.22247E+00	0.99616E+00
0.69120E+03	0.79154E+00	0.28130E+00	0.22266E+00	0.99700E+00
0.69125E+03	0.79179E+00	0.28143E+00	0.22283E+00	0.99776E+00
0.69130E+03	0.79198E+00	0.28155E+00	0.22298E+00	0.99845E+00
0.69135E+03	0.79208E+00	0.28168E+00	0.22312E+00	0.99903E+00
0.69140E+03	0.79209E+00	0.28181E+00	0.22322E+00	0.99949E+00
0.69145E+03	0.79198E+00	0.28193E+00	0.22329E+00	0.99980E+00
0.69150E+03	0.79176E+00	0.28206E+00	0.22333E+00	0.99997E+00
0.69155E+03	0.79143E+00	0.28219E+00	0.22333E+00	0.10000E+01
0.69160E+03	0.79097E+00	0.28232E+00	0.22330E+00	0.99987E+00
0.69165E+03	0.79038E+00	0.28244E+00	0.22324E+00	0.99958E+00
0.69170E+03	0.78966E+00	0.28257E+00	0.22313E+00	0.99911E+00
0.69175E+03	0.78881E+00	0.28270E+00	0.22299E+00	0.99849E+00
0.69180E+03	0.78784E+00	0.28282E+00	0.22282E+00	0.99771E+00
0.69185E+03	0.78675E+00	0.28295E+00	0.22261E+00	0.99677E+00
0.69190E+03	0.78553E+00	0.28308E+00	0.22237E+00	0.99568E+00
0.69195E+03	0.78421E+00	0.28321E+00	0.22209E+00	0.99445E+00
0.69200E+03	0.78278E+00	0.28333E+00	0.22179E+00	0.99308E+00
0.69205E+03	0.78125E+00	0.28345E+00	0.22144E+00	0.99155E+00
0.69210E+03	0.77963E+00	0.28356E+00	0.22108E+00	0.98989E+00
0.69215E+03	0.77791E+00	0.28368E+00	0.22068E+00	0.98811E+00
0.69220E+03	0.77606E+00	0.28379E+00	0.22024E+00	0.98616E+00
0.69225E+03	0.77408E+00	0.28391E+00	0.21977E+00	0.98405E+00
0.69230E+03	0.77198E+00	0.28403E+00	0.21926E+00	0.98177E+00
0.69235E+03	0.76974E+00	0.28414E+00	0.21871E+00	0.97933E+00
0.69240E+03	0.76737E+00	0.28426E+00	0.21813E+00	0.97671E+00
0.69245E+03	0.76487E+00	0.28437E+00	0.21751E+00	0.97392E+00
0.69250E+03	0.76222E+00	0.28449E+00	0.21684E+00	0.97094E+00
0.69255E+03	0.75943E+00	0.28461E+00	0.21614E+00	0.96779E+00
0.69260E+03	0.75650E+00	0.28473E+00	0.21540E+00	0.96447E+00
0.69265E+03	0.75343E+00	0.28485E+00	0.21461E+00	0.96096E+00
0.69270E+03	0.75020E+00	0.28497E+00	0.21379E+00	0.95725E+00

0.69275E+03	0.74683E+00	0.28509E+00	0.21291E+00	0.95335E+00
0.69280E+03	0.74331E+00	0.28521E+00	0.21200E+00	0.94925E+00
0.69285E+03	0.73961E+00	0.28533E+00	0.21103E+00	0.94493E+00
0.69290E+03	0.73575E+00	0.28545E+00	0.21002E+00	0.94039E+00
0.69295E+03	0.73172E+00	0.28557E+00	0.20896E+00	0.93564E+00
0.69300E+03	0.72754E+00	0.28569E+00	0.20785E+00	0.93068E+00
0.69305E+03	0.72320E+00	0.28581E+00	0.20670E+00	0.92551E+00
0.69310E+03	0.71870E+00	0.28593E+00	0.20550E+00	0.92014E+00
0.69315E+03	0.71405E+00	0.28605E+00	0.20425E+00	0.91457E+00
0.69320E+03	0.70926E+00	0.28617E+00	0.20297E+00	0.90881E+00
0.69325E+03	0.70433E+00	0.28629E+00	0.20164E+00	0.90287E+00
0.69330E+03	0.69926E+00	0.28641E+00	0.20027E+00	0.89675E+00
0.69335E+03	0.69408E+00	0.28653E+00	0.19887E+00	0.89047E+00
0.69340E+03	0.68878E+00	0.28665E+00	0.19744E+00	0.88404E+00
0.69345E+03	0.68337E+00	0.28677E+00	0.19597E+00	0.87747E+00
0.69350E+03	0.67786E+00	0.28688E+00	0.19447E+00	0.87075E+00
0.69355E+03	0.67224E+00	0.28700E+00	0.19294E+00	0.86390E+00
0.69360E+03	0.66652E+00	0.28712E+00	0.19137E+00	0.85691E+00
0.69365E+03	0.66070E+00	0.28724E+00	0.18978E+00	0.84978E+00
0.69370E+03	0.65477E+00	0.28736E+00	0.18816E+00	0.84250E+00
0.69375E+03	0.64875E+00	0.28748E+00	0.18650E+00	0.83510E+00
0.69380E+03	0.64264E+00	0.28760E+00	0.18482E+00	0.82758E+00
0.69385E+03	0.63644E+00	0.28772E+00	0.18312E+00	0.81994E+00
0.69390E+03	0.63016E+00	0.28784E+00	0.18139E+00	0.81218E+00
0.69395E+03	0.62380E+00	0.28796E+00	0.17963E+00	0.80432E+00
0.69400E+03	0.61738E+00	0.28808E+00	0.17786E+00	0.79637E+00
0.69405E+03	0.61091E+00	0.28819E+00	0.17606E+00	0.78831E+00
0.69410E+03	0.60438E+00	0.28829E+00	0.17424E+00	0.78018E+00
0.69415E+03	0.59779E+00	0.28840E+00	0.17240E+00	0.77196E+00
0.69420E+03	0.59113E+00	0.28851E+00	0.17055E+00	0.76364E+00
0.69425E+03	0.58441E+00	0.28861E+00	0.16867E+00	0.75524E+00
0.69430E+03	0.57762E+00	0.28872E+00	0.16677E+00	0.74674E+00
0.69435E+03	0.57077E+00	0.28883E+00	0.16485E+00	0.73815E+00
0.69440E+03	0.56388E+00	0.28893E+00	0.16292E+00	0.72952E+00
0.69445E+03	0.55696E+00	0.28904E+00	0.16098E+00	0.72083E+00
0.69450E+03	0.55000E+00	0.28915E+00	0.15903E+00	0.71209E+00
0.69455E+03	0.54301E+00	0.28925E+00	0.15707E+00	0.70329E+00
0.69460E+03	0.53598E+00	0.28936E+00	0.15509E+00	0.69445E+00
0.69465E+03	0.52893E+00	0.28947E+00	0.15311E+00	0.68557E+00
0.69470E+03	0.52185E+00	0.28957E+00	0.15111E+00	0.67664E+00
0.69475E+03	0.51474E+00	0.28968E+00	0.14911E+00	0.66767E+00
0.69480E+03	0.50762E+00	0.28979E+00	0.14710E+00	0.65867E+00
0.69485E+03	0.50048E+00	0.28989E+00	0.14509E+00	0.64964E+00

0.69490E+03	0.49332E+00	0.29000E+00	0.14306E+00	0.64058E+00
0.69495E+03	0.48614E+00	0.29011E+00	0.14103E+00	0.63150E+00
0.69500E+03	0.47897E+00	0.29021E+00	0.13901E+00	0.62242E+00
0.69505E+03	0.47181E+00	0.29032E+00	0.13698E+00	0.61332E+00
0.69510E+03	0.46464E+00	0.29043E+00	0.13494E+00	0.60423E+00
0.69515E+03	0.45748E+00	0.29053E+00	0.13291E+00	0.59514E+00
0.69520E+03	0.45035E+00	0.29064E+00	0.13089E+00	0.58607E+00
0.69525E+03	0.44324E+00	0.29074E+00	0.12887E+00	0.57702E+00
0.69530E+03	0.43615E+00	0.29085E+00	0.12685E+00	0.56800E+00
0.69535E+03	0.42910E+00	0.29095E+00	0.12485E+00	0.55902E+00
0.69540E+03	0.42209E+00	0.29106E+00	0.12285E+00	0.55009E+00
0.69545E+03	0.41513E+00	0.29117E+00	0.12087E+00	0.54122E+00
0.69550E+03	0.40822E+00	0.29127E+00	0.11890E+00	0.53241E+00
0.69555E+03	0.40137E+00	0.29138E+00	0.11695E+00	0.52367E+00
0.69560E+03	0.39459E+00	0.29148E+00	0.11502E+00	0.51501E+00
0.69565E+03	0.38789E+00	0.29159E+00	0.11310E+00	0.50644E+00
0.69570E+03	0.38125E+00	0.29170E+00	0.11121E+00	0.49795E+00
0.69575E+03	0.37468E+00	0.29180E+00	0.10933E+00	0.48955E+00
0.69580E+03	0.36821E+00	0.29191E+00	0.10748E+00	0.48127E+00
0.69585E+03	0.36183E+00	0.29201E+00	0.10566E+00	0.47310E+00
0.69590E+03	0.35553E+00	0.29212E+00	0.10386E+00	0.46503E+00
0.69595E+03	0.34931E+00	0.29223E+00	0.10208E+00	0.45707E+00
0.69600E+03	0.34316E+00	0.29233E+00	0.10032E+00	0.44918E+00
0.69605E+03	0.33707E+00	0.29241E+00	0.98561E-01	0.44132E+00
0.69610E+03	0.33104E+00	0.29248E+00	0.96823E-01	0.43354E+00
0.69615E+03	0.32508E+00	0.29256E+00	0.95103E-01	0.42584E+00
0.69620E+03	0.31918E+00	0.29263E+00	0.93401E-01	0.41822E+00
0.69625E+03	0.31334E+00	0.29270E+00	0.91716E-01	0.41067E+00
0.69630E+03	0.30757E+00	0.29278E+00	0.90049E-01	0.40321E+00
0.69635E+03	0.30185E+00	0.29285E+00	0.88399E-01	0.39582E+00
0.69640E+03	0.29622E+00	0.29293E+00	0.86771E-01	0.38853E+00
0.69645E+03	0.29066E+00	0.29300E+00	0.85163E-01	0.38133E+00
0.69650E+03	0.28516E+00	0.29308E+00	0.83575E-01	0.37422E+00
0.69655E+03	0.27974E+00	0.29315E+00	0.82006E-01	0.36720E+00
0.69660E+03	0.27439E+00	0.29323E+00	0.80459E-01	0.36027E+00
0.69665E+03	0.26912E+00	0.29330E+00	0.78933E-01	0.35343E+00
0.69670E+03	0.26392E+00	0.29338E+00	0.77427E-01	0.34669E+00
0.69675E+03	0.25878E+00	0.29345E+00	0.75939E-01	0.34003E+00
0.69680E+03	0.25372E+00	0.29352E+00	0.74472E-01	0.33346E+00
0.69685E+03	0.24872E+00	0.29360E+00	0.73025E-01	0.32698E+00
0.69690E+03	0.24381E+00	0.29367E+00	0.71600E-01	0.32060E+00
0.69695E+03	0.23896E+00	0.29375E+00	0.70193E-01	0.31430E+00
0.69700E+03	0.23417E+00	0.29382E+00	0.68805E-01	0.30808E+00

0.69705E+03	0.22945E+00	0.29389E+00	0.67435E-01	0.30195E+00
0.69710E+03	0.22480E+00	0.29397E+00	0.66085E-01	0.29590E+00
0.69715E+03	0.22022E+00	0.29404E+00	0.64753E-01	0.28994E+00
0.69720E+03	0.21571E+00	0.29411E+00	0.63442E-01	0.28407E+00
0.69725E+03	0.21127E+00	0.29419E+00	0.62153E-01	0.27830E+00
0.69730E+03	0.20691E+00	0.29426E+00	0.60886E-01	0.27262E+00
0.69735E+03	0.20263E+00	0.29433E+00	0.59639E-01	0.26704E+00
0.69740E+03	0.19842E+00	0.29441E+00	0.58416E-01	0.26157E+00
0.69745E+03	0.19430E+00	0.29448E+00	0.57217E-01	0.25620E+00
0.69750E+03	0.19026E+00	0.29455E+00	0.56041E-01	0.25093E+00
0.69755E+03	0.18630E+00	0.29462E+00	0.54887E-01	0.24576E+00
0.69760E+03	0.18239E+00	0.29470E+00	0.53751E-01	0.24068E+00
0.69765E+03	0.17856E+00	0.29477E+00	0.52634E-01	0.23567E+00
0.69770E+03	0.17478E+00	0.29484E+00	0.51533E-01	0.23075E+00
0.69775E+03	0.17107E+00	0.29492E+00	0.50450E-01	0.22590E+00
0.69780E+03	0.16742E+00	0.29499E+00	0.49387E-01	0.22114E+00
0.69785E+03	0.16385E+00	0.29506E+00	0.48345E-01	0.21647E+00
0.69790E+03	0.16035E+00	0.29514E+00	0.47326E-01	0.21191E+00
0.69795E+03	0.15693E+00	0.29521E+00	0.46327E-01	0.20743E+00
0.69800E+03	0.15357E+00	0.29528E+00	0.45346E-01	0.20304E+00
0.69805E+03	0.15028E+00	0.29535E+00	0.44384E-01	0.19873E+00
0.69810E+03	0.14705E+00	0.29541E+00	0.43440E-01	0.19451E+00
0.69815E+03	0.14388E+00	0.29548E+00	0.42514E-01	0.19036E+00
0.69820E+03	0.14078E+00	0.29554E+00	0.41605E-01	0.18629E+00
0.69825E+03	0.13773E+00	0.29561E+00	0.40713E-01	0.18230E+00
0.69830E+03	0.13474E+00	0.29567E+00	0.39839E-01	0.17838E+00
0.69835E+03	0.13181E+00	0.29574E+00	0.38980E-01	0.17454E+00
0.69840E+03	0.12893E+00	0.29581E+00	0.38140E-01	0.17078E+00
0.69845E+03	0.12613E+00	0.29587E+00	0.37317E-01	0.16709E+00
0.69850E+03	0.12338E+00	0.29594E+00	0.36513E-01	0.16349E+00
0.69855E+03	0.12069E+00	0.29600E+00	0.35726E-01	0.15997E+00
0.69860E+03	0.11806E+00	0.29607E+00	0.34955E-01	0.15652E+00
0.69865E+03	0.11550E+00	0.29614E+00	0.34203E-01	0.15315E+00
0.69870E+03	0.11299E+00	0.29620E+00	0.33466E-01	0.14985E+00
0.69875E+03	0.11053E+00	0.29627E+00	0.32745E-01	0.14662E+00
0.69880E+03	0.10812E+00	0.29633E+00	0.32038E-01	0.14346E+00
0.69885E+03	0.10575E+00	0.29640E+00	0.31345E-01	0.14035E+00
0.69890E+03	0.10344E+00	0.29647E+00	0.30665E-01	0.13731E+00
0.69895E+03	0.10117E+00	0.29653E+00	0.30000E-01	0.13433E+00
0.69900E+03	0.98957E-01	0.29660E+00	0.29350E-01	0.13142E+00
0.69905E+03	0.96796E-01	0.29666E+00	0.28716E-01	0.12858E+00
0.69910E+03	0.94698E-01	0.29673E+00	0.28100E-01	0.12582E+00
0.69915E+03	0.92661E-01	0.29679E+00	0.27501E-01	0.12314E+00

0.69920E+03	0.90683E-01	0.29686E+00	0.26920E-01	0.12054E+00
0.69925E+03	0.88771E-01	0.29692E+00	0.26358E-01	0.11802E+00
0.69930E+03	0.86927E-01	0.29699E+00	0.25816E-01	0.11560E+00
0.69935E+03	0.85138E-01	0.29705E+00	0.25291E-01	0.11324E+00
0.69940E+03	0.83396E-01	0.29712E+00	0.24778E-01	0.11095E+00
0.69945E+03	0.81695E-01	0.29718E+00	0.24278E-01	0.10871E+00
0.69950E+03	0.80026E-01	0.29725E+00	0.23787E-01	0.10651E+00
0.69955E+03	0.78389E-01	0.29731E+00	0.23306E-01	0.10436E+00
0.69960E+03	0.76790E-01	0.29737E+00	0.22836E-01	0.10225E+00
0.69965E+03	0.75228E-01	0.29744E+00	0.22376E-01	0.10019E+00
0.69970E+03	0.73700E-01	0.29750E+00	0.21926E-01	0.98177E-01
0.69975E+03	0.72203E-01	0.29757E+00	0.21485E-01	0.96204E-01
0.69980E+03	0.70739E-01	0.29763E+00	0.21054E-01	0.94273E-01
0.69985E+03	0.69311E-01	0.29770E+00	0.20633E-01	0.92389E-01
0.69990E+03	0.67919E-01	0.29776E+00	0.20224E-01	0.90554E-01
0.69995E+03	0.66559E-01	0.29782E+00	0.19823E-01	0.88759E-01
0.70000E+03	0.65225E-01	0.29789E+00	0.19430E-01	0.86999E-01
0.70005E+03	0.63919E-01	0.29795E+00	0.19044E-01	0.85274E-01
0.70010E+03	0.62645E-01	0.29801E+00	0.18669E-01	0.83591E-01
0.70015E+03	0.61395E-01	0.29806E+00	0.18300E-01	0.81939E-01
0.70020E+03	0.60160E-01	0.29812E+00	0.17935E-01	0.80307E-01
0.70025E+03	0.58940E-01	0.29818E+00	0.17575E-01	0.78693E-01
0.70030E+03	0.57735E-01	0.29824E+00	0.17219E-01	0.77100E-01
0.70035E+03	0.56547E-01	0.29830E+00	0.16868E-01	0.75528E-01
0.70040E+03	0.55374E-01	0.29836E+00	0.16521E-01	0.73976E-01
0.70045E+03	0.54217E-01	0.29842E+00	0.16180E-01	0.72446E-01
0.70050E+03	0.53079E-01	0.29848E+00	0.15843E-01	0.70939E-01
0.70055E+03	0.51962E-01	0.29854E+00	0.15513E-01	0.69459E-01
0.70060E+03	0.50870E-01	0.29860E+00	0.15190E-01	0.68014E-01
0.70065E+03	0.49808E-01	0.29866E+00	0.14876E-01	0.66608E-01
0.70070E+03	0.48780E-01	0.29871E+00	0.14571E-01	0.65245E-01
0.70075E+03	0.47784E-01	0.29877E+00	0.14277E-01	0.63925E-01
0.70080E+03	0.46820E-01	0.29883E+00	0.13991E-01	0.62648E-01
0.70085E+03	0.45890E-01	0.29889E+00	0.13716E-01	0.61416E-01
0.70090E+03	0.45000E-01	0.29895E+00	0.13453E-01	0.60236E-01
0.70095E+03	0.44143E-01	0.29901E+00	0.13199E-01	0.59100E-01
0.70100E+03	0.43320E-01	0.29907E+00	0.12956E-01	0.58010E-01
0.70105E+03	0.42534E-01	0.29912E+00	0.12723E-01	0.56968E-01
0.70110E+03	0.41781E-01	0.29918E+00	0.12500E-01	0.55970E-01
0.70115E+03	0.41053E-01	0.29924E+00	0.12285E-01	0.55006E-01
0.70120E+03	0.40343E-01	0.29929E+00	0.12074E-01	0.54064E-01
0.70125E+03	0.39644E-01	0.29935E+00	0.11868E-01	0.53139E-01
0.70130E+03	0.38956E-01	0.29941E+00	0.11664E-01	0.52226E-01

0.70135E+03	0.38279E-01	0.29946E+00	0.11463E-01	0.51327E-01
0.70140E+03	0.37614E-01	0.29952E+00	0.11266E-01	0.50446E-01
0.70145E+03	0.36963E-01	0.29958E+00	0.11073E-01	0.49582E-01
0.70150E+03	0.36326E-01	0.29963E+00	0.10885E-01	0.48737E-01
0.70155E+03	0.35698E-01	0.29969E+00	0.10698E-01	0.47903E-01
0.70160E+03	0.35072E-01	0.29975E+00	0.10513E-01	0.47072E-01
0.70165E+03	0.34446E-01	0.29980E+00	0.10327E-01	0.46240E-01
0.70170E+03	0.33820E-01	0.29986E+00	0.10141E-01	0.45409E-01
0.70175E+03	0.33199E-01	0.29991E+00	0.99569E-02	0.44583E-01
0.70180E+03	0.32588E-01	0.29997E+00	0.97756E-02	0.43771E-01
0.70185E+03	0.31992E-01	0.30003E+00	0.95985E-02	0.42979E-01
0.70190E+03	0.31413E-01	0.30008E+00	0.94266E-02	0.42209E-01
0.70195E+03	0.30849E-01	0.30014E+00	0.92589E-02	0.41458E-01
0.70200E+03	0.30300E-01	0.30019E+00	0.90960E-02	0.40729E-01
0.70205E+03	0.29771E-01	0.30024E+00	0.89386E-02	0.40024E-01
0.70210E+03	0.29258E-01	0.30029E+00	0.87861E-02	0.39341E-01
0.70215E+03	0.28755E-01	0.30034E+00	0.86362E-02	0.38670E-01
0.70220E+03	0.28247E-01	0.30038E+00	0.84850E-02	0.37993E-01
0.70225E+03	0.27730E-01	0.30043E+00	0.83309E-02	0.37303E-01
0.70230E+03	0.27204E-01	0.30047E+00	0.81739E-02	0.36600E-01
0.70235E+03	0.26670E-01	0.30051E+00	0.80146E-02	0.35886E-01
0.70240E+03	0.26128E-01	0.30056E+00	0.78529E-02	0.35163E-01
0.70245E+03	0.25579E-01	0.30060E+00	0.76892E-02	0.34429E-01
0.70250E+03	0.25024E-01	0.30064E+00	0.75234E-02	0.33687E-01
0.70255E+03	0.24467E-01	0.30069E+00	0.73570E-02	0.32942E-01
0.70260E+03	0.23914E-01	0.30073E+00	0.71918E-02	0.32202E-01
0.70265E+03	0.23369E-01	0.30077E+00	0.70288E-02	0.31472E-01
0.70270E+03	0.22835E-01	0.30082E+00	0.68690E-02	0.30757E-01
0.70275E+03	0.22314E-01	0.30086E+00	0.67135E-02	0.30060E-01
0.70280E+03	0.21813E-01	0.30090E+00	0.65637E-02	0.29390E-01
0.70285E+03	0.21337E-01	0.30094E+00	0.64213E-02	0.28752E-01
0.70290E+03	0.20890E-01	0.30099E+00	0.62876E-02	0.28154E-01
0.70295E+03	0.20469E-01	0.30103E+00	0.61617E-02	0.27590E-01
0.70300E+03	0.20068E-01	0.30107E+00	0.60420E-02	0.27054E-01
0.70305E+03	0.19690E-01	0.30111E+00	0.59288E-02	0.26547E-01
0.70310E+03	0.19335E-01	0.30116E+00	0.58227E-02	0.26072E-01
0.70315E+03	0.19002E-01	0.30120E+00	0.57232E-02	0.25627E-01
0.70320E+03	0.18692E-01	0.30124E+00	0.56307E-02	0.25212E-01
0.70325E+03	0.18407E-01	0.30128E+00	0.55456E-02	0.24831E-01
0.70330E+03	0.18143E-01	0.30132E+00	0.54669E-02	0.24479E-01
0.70335E+03	0.17896E-01	0.30136E+00	0.53933E-02	0.24149E-01
0.70340E+03	0.17661E-01	0.30140E+00	0.53230E-02	0.23835E-01
0.70345E+03	0.17432E-01	0.30144E+00	0.52549E-02	0.23529E-01

0.70350E+03	0.17207E-01	0.30148E+00	0.51878E-02	0.23229E-01
0.70355E+03	0.16984E-01	0.30153E+00	0.51210E-02	0.22930E-01
0.70360E+03	0.16757E-01	0.30157E+00	0.50533E-02	0.22627E-01
0.70365E+03	0.16522E-01	0.30161E+00	0.49831E-02	0.22312E-01
0.70370E+03	0.16278E-01	0.30165E+00	0.49101E-02	0.21986E-01
0.70375E+03	0.16027E-01	0.30169E+00	0.48351E-02	0.21650E-01
0.70380E+03	0.15776E-01	0.30173E+00	0.47601E-02	0.21314E-01
0.70385E+03	0.15529E-01	0.30177E+00	0.46861E-02	0.20983E-01
0.70390E+03	0.15282E-01	0.30181E+00	0.46123E-02	0.20652E-01
0.70395E+03	0.15034E-01	0.30185E+00	0.45380E-02	0.20319E-01
0.70400E+03	0.14780E-01	0.30189E+00	0.44619E-02	0.19979E-01
0.70405E+03	0.14518E-01	0.30193E+00	0.43835E-02	0.19628E-01
0.70410E+03	0.14250E-01	0.30197E+00	0.43032E-02	0.19268E-01
0.70415E+03	0.13977E-01	0.30201E+00	0.42211E-02	0.18900E-01
0.70420E+03	0.13703E-01	0.30204E+00	0.41388E-02	0.18532E-01
0.70425E+03	0.13432E-01	0.30208E+00	0.40577E-02	0.18169E-01
0.70430E+03	0.13165E-01	0.30212E+00	0.39773E-02	0.17809E-01
0.70435E+03	0.12900E-01	0.30216E+00	0.38978E-02	0.17453E-01
0.70440E+03	0.12632E-01	0.30219E+00	0.38172E-02	0.17092E-01
0.70445E+03	0.12358E-01	0.30223E+00	0.37349E-02	0.16724E-01
0.70450E+03	0.12086E-01	0.30227E+00	0.36531E-02	0.16357E-01
0.70455E+03	0.11815E-01	0.30231E+00	0.35717E-02	0.15993E-01
0.70460E+03	0.11544E-01	0.30234E+00	0.34902E-02	0.15628E-01
0.70465E+03	0.11275E-01	0.30238E+00	0.34094E-02	0.15266E-01
0.70470E+03	0.11009E-01	0.30242E+00	0.33294E-02	0.14908E-01
0.70475E+03	0.10749E-01	0.30245E+00	0.32512E-02	0.14558E-01
0.70480E+03	0.10497E-01	0.30249E+00	0.31752E-02	0.14217E-01
0.70485E+03	0.10252E-01	0.30253E+00	0.31014E-02	0.13887E-01
0.70490E+03	0.10017E-01	0.30257E+00	0.30308E-02	0.13571E-01
0.70495E+03	0.97932E-02	0.30260E+00	0.29634E-02	0.13269E-01
0.70500E+03	0.95858E-02	0.30264E+00	0.29011E-02	0.12990E-01
0.70505E+03	0.93991E-02	0.30267E+00	0.28449E-02	0.12738E-01
0.70510E+03	0.92236E-02	0.30271E+00	0.27921E-02	0.12502E-01
0.70515E+03	0.90487E-02	0.30274E+00	0.27394E-02	0.12266E-01
0.70520E+03	0.88748E-02	0.30277E+00	0.26870E-02	0.12032E-01
0.70525E+03	0.87039E-02	0.30281E+00	0.26356E-02	0.11801E-01
0.70530E+03	0.85340E-02	0.30284E+00	0.25845E-02	0.11572E-01
0.70535E+03	0.83642E-02	0.30288E+00	0.25333E-02	0.11343E-01
0.70540E+03	0.81944E-02	0.30291E+00	0.24822E-02	0.11114E-01
0.70545E+03	0.80271E-02	0.30294E+00	0.24318E-02	0.10889E-01
0.70550E+03	0.78608E-02	0.30298E+00	0.23816E-02	0.10664E-01
0.70555E+03	0.76951E-02	0.30301E+00	0.23317E-02	0.10440E-01
0.70560E+03	0.75300E-02	0.30304E+00	0.22819E-02	0.10218E-01

0.70565E+03	0.73651E-02	0.30308E+00	0.22322E-02	0.99949E-02
0.70570E+03	0.72004E-02	0.30311E+00	0.21825E-02	0.97724E-02
0.70575E+03	0.70394E-02	0.30314E+00	0.21339E-02	0.95550E-02
0.70580E+03	0.68788E-02	0.30317E+00	0.20855E-02	0.93380E-02
0.70585E+03	0.67185E-02	0.30321E+00	0.20371E-02	0.91213E-02
0.70590E+03	0.65582E-02	0.30324E+00	0.19887E-02	0.89048E-02
0.70595E+03	0.63980E-02	0.30327E+00	0.19403E-02	0.86882E-02
0.70600E+03	0.62379E-02	0.30331E+00	0.18920E-02	0.84717E-02
0.70605E+03	0.60786E-02	0.30334E+00	0.18439E-02	0.82563E-02
0.70610E+03	0.59193E-02	0.30338E+00	0.17958E-02	0.80410E-02
0.70615E+03	0.57606E-02	0.30342E+00	0.17479E-02	0.78264E-02
0.70620E+03	0.56025E-02	0.30346E+00	0.17001E-02	0.76126E-02
0.70625E+03	0.54449E-02	0.30350E+00	0.16525E-02	0.73993E-02
0.70630E+03	0.52881E-02	0.30353E+00	0.16051E-02	0.71872E-02
0.70635E+03	0.51315E-02	0.30357E+00	0.15578E-02	0.69751E-02
0.70640E+03	0.49759E-02	0.30361E+00	0.15107E-02	0.67645E-02
0.70645E+03	0.48216E-02	0.30365E+00	0.14641E-02	0.65555E-02
0.70650E+03	0.46676E-02	0.30368E+00	0.14175E-02	0.63470E-02
0.70655E+03	0.45145E-02	0.30372E+00	0.13712E-02	0.61395E-02
0.70660E+03	0.43616E-02	0.30376E+00	0.13249E-02	0.59323E-02
0.70665E+03	0.42091E-02	0.30380E+00	0.12787E-02	0.57256E-02
0.70670E+03	0.40595E-02	0.30383E+00	0.12334E-02	0.55228E-02
0.70675E+03	0.39102E-02	0.30387E+00	0.11882E-02	0.53203E-02
0.70680E+03	0.37610E-02	0.30391E+00	0.11430E-02	0.51179E-02
0.70685E+03	0.36124E-02	0.30395E+00	0.10980E-02	0.49163E-02
0.70690E+03	0.34646E-02	0.30398E+00	0.10532E-02	0.47158E-02
0.70695E+03	0.33209E-02	0.30402E+00	0.10096E-02	0.45207E-02
0.70700E+03	0.31776E-02	0.30406E+00	0.96616E-03	0.43261E-02
0.70705E+03	0.30345E-02	0.30409E+00	0.92276E-03	0.41318E-02
0.70710E+03	0.28915E-02	0.30413E+00	0.87940E-03	0.39376E-02
0.70715E+03	0.27517E-02	0.30417E+00	0.83698E-03	0.37477E-02
0.70720E+03	0.26125E-02	0.30420E+00	0.79472E-03	0.35585E-02
0.70725E+03	0.24737E-02	0.30424E+00	0.75259E-03	0.33698E-02
0.70730E+03	0.23350E-02	0.30427E+00	0.71047E-03	0.31812E-02
0.70735E+03	0.21967E-02	0.30431E+00	0.66848E-03	0.29932E-02
0.70740E+03	0.20597E-02	0.30435E+00	0.62685E-03	0.28068E-02
0.70745E+03	0.19233E-02	0.30438E+00	0.58541E-03	0.26212E-02
0.70750E+03	0.17884E-02	0.30442E+00	0.54441E-03	0.24377E-02
0.70755E+03	0.16555E-02	0.30445E+00	0.50402E-03	0.22568E-02
0.70760E+03	0.15255E-02	0.30449E+00	0.46449E-03	0.20798E-02
0.70765E+03	0.13978E-02	0.30453E+00	0.42567E-03	0.19060E-02
0.70770E+03	0.12735E-02	0.30456E+00	0.38787E-03	0.17368E-02
0.70775E+03	0.11514E-02	0.30460E+00	0.35072E-03	0.15704E-02

0.70780E+03	0.10301E-02	0.30463E+00	0.31380E-03	0.14051E-02
0.70785E+03	0.91136E-03	0.30467E+00	0.27766E-03	0.12433E-02
0.70790E+03	0.79302E-03	0.30471E+00	0.24164E-03	0.10820E-02
0.70795E+03	0.67522E-03	0.30474E+00	0.20577E-03	0.92136E-03
0.70800E+03	0.56067E-03	0.30478E+00	0.17088E-03	0.76514E-03
0.70805E+03	0.44858E-03	0.30482E+00	0.13673E-03	0.61224E-03
0.70810E+03	0.33722E-03	0.30485E+00	0.10280E-03	0.46031E-03
0.70815E+03	0.22641E-03	0.30489E+00	0.69032E-04	0.30910E-03
0.70820E+03	0.11937E-03	0.30493E+00	0.36400E-04	0.16298E-03
0.70825E+03	0.12630E-04	0.30497E+00	0.38519E-05	0.17247E-04
0.70830E+03	0.00000E+00	0.30501E+00	0.00000E+00	0.00000E+00
Channel 4				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.68430E+03	0.00000E+00	0.25943E+00	0.00000E+00	0.00000E+00
0.68440E+03	0.16033E-04	0.25978E+00	0.41650E-05	0.17817E-04
0.68450E+03	0.23506E-03	0.26013E+00	0.61147E-04	0.26157E-03
0.68460E+03	0.45481E-03	0.26049E+00	0.11847E-03	0.50679E-03
0.68470E+03	0.68004E-03	0.26084E+00	0.17738E-03	0.75879E-03
0.68480E+03	0.91018E-03	0.26119E+00	0.23773E-03	0.10169E-02
0.68490E+03	0.11417E-02	0.26153E+00	0.29858E-03	0.12773E-02
0.68500E+03	0.13779E-02	0.26187E+00	0.36084E-03	0.15436E-02
0.68510E+03	0.16151E-02	0.26221E+00	0.42350E-03	0.18116E-02
0.68520E+03	0.18586E-02	0.26255E+00	0.48799E-03	0.20875E-02
0.68530E+03	0.21092E-02	0.26288E+00	0.55446E-03	0.23718E-02
0.68540E+03	0.23613E-02	0.26321E+00	0.62150E-03	0.26586E-02
0.68550E+03	0.26151E-02	0.26354E+00	0.68918E-03	0.29481E-02
0.68560E+03	0.28695E-02	0.26387E+00	0.75716E-03	0.32389E-02
0.68570E+03	0.31306E-02	0.26420E+00	0.82711E-03	0.35381E-02
0.68580E+03	0.33964E-02	0.26453E+00	0.89843E-03	0.38432E-02
0.68590E+03	0.36685E-02	0.26486E+00	0.97165E-03	0.41564E-02
0.68600E+03	0.39412E-02	0.26519E+00	0.10452E-02	0.44709E-02
0.68610E+03	0.42162E-02	0.26554E+00	0.11196E-02	0.47892E-02
0.68620E+03	0.44934E-02	0.26589E+00	0.11947E-02	0.51108E-02
0.68630E+03	0.47837E-02	0.26624E+00	0.12736E-02	0.54480E-02
0.68640E+03	0.50807E-02	0.26659E+00	0.13544E-02	0.57939E-02
0.68650E+03	0.53787E-02	0.26694E+00	0.14358E-02	0.61418E-02
0.68660E+03	0.56864E-02	0.26729E+00	0.15199E-02	0.65017E-02
0.68670E+03	0.59958E-02	0.26764E+00	0.16047E-02	0.68645E-02
0.68680E+03	0.63075E-02	0.26798E+00	0.16903E-02	0.72306E-02
0.68690E+03	0.66200E-02	0.26833E+00	0.17763E-02	0.75986E-02

0.68700E+03	0.69400E-02	0.26867E+00	0.18646E-02	0.79761E-02
0.68710E+03	0.72858E-02	0.26901E+00	0.19600E-02	0.83843E-02
0.68720E+03	0.76333E-02	0.26936E+00	0.20561E-02	0.87954E-02
0.68730E+03	0.79842E-02	0.26970E+00	0.21533E-02	0.92114E-02
0.68740E+03	0.83434E-02	0.27005E+00	0.22531E-02	0.96381E-02
0.68750E+03	0.87106E-02	0.27039E+00	0.23553E-02	0.10075E-01
0.68760E+03	0.90787E-02	0.27073E+00	0.24579E-02	0.10514E-01
0.68770E+03	0.94492E-02	0.27108E+00	0.25615E-02	0.10957E-01
0.68780E+03	0.98393E-02	0.27142E+00	0.26706E-02	0.11424E-01
0.68790E+03	0.10231E-01	0.27177E+00	0.27804E-02	0.11894E-01
0.68800E+03	0.10626E-01	0.27211E+00	0.28914E-02	0.12369E-01
0.68810E+03	0.11026E-01	0.27243E+00	0.30040E-02	0.12850E-01
0.68820E+03	0.11464E-01	0.27275E+00	0.31270E-02	0.13376E-01
0.68830E+03	0.11987E-01	0.27307E+00	0.32732E-02	0.14002E-01
0.68840E+03	0.12614E-01	0.27339E+00	0.34485E-02	0.14752E-01
0.68850E+03	0.13303E-01	0.27371E+00	0.36412E-02	0.15576E-01
0.68860E+03	0.14019E-01	0.27403E+00	0.38417E-02	0.16434E-01
0.68870E+03	0.14762E-01	0.27433E+00	0.40497E-02	0.17324E-01
0.68880E+03	0.15506E-01	0.27463E+00	0.42584E-02	0.18216E-01
0.68890E+03	0.16320E-01	0.27493E+00	0.44867E-02	0.19193E-01
0.68900E+03	0.17284E-01	0.27523E+00	0.47571E-02	0.20350E-01
0.68910E+03	0.18374E-01	0.27553E+00	0.50626E-02	0.21656E-01
0.68920E+03	0.19480E-01	0.27583E+00	0.53732E-02	0.22985E-01
0.68930E+03	0.20607E-01	0.27612E+00	0.56902E-02	0.24341E-01
0.68940E+03	0.21745E-01	0.27642E+00	0.60109E-02	0.25713E-01
0.68950E+03	0.22908E-01	0.27672E+00	0.63390E-02	0.27116E-01
0.68960E+03	0.24089E-01	0.27702E+00	0.66730E-02	0.28545E-01
0.68970E+03	0.25297E-01	0.27732E+00	0.70153E-02	0.30009E-01
0.68980E+03	0.26507E-01	0.27761E+00	0.73587E-02	0.31479E-01
0.68990E+03	0.27750E-01	0.27791E+00	0.77121E-02	0.32990E-01
0.69000E+03	0.29075E-01	0.27821E+00	0.80889E-02	0.34602E-01
0.69010E+03	0.30505E-01	0.27847E+00	0.84946E-02	0.36338E-01
0.69020E+03	0.32015E-01	0.27873E+00	0.89235E-02	0.38172E-01
0.69030E+03	0.33597E-01	0.27899E+00	0.93735E-02	0.40097E-01
0.69040E+03	0.35268E-01	0.27925E+00	0.98486E-02	0.42130E-01
0.69050E+03	0.37035E-01	0.27951E+00	0.10352E-01	0.44283E-01
0.69060E+03	0.38916E-01	0.27977E+00	0.10888E-01	0.46574E-01
0.69070E+03	0.40867E-01	0.28003E+00	0.11444E-01	0.48954E-01
0.69080E+03	0.42916E-01	0.28028E+00	0.12029E-01	0.51455E-01
0.69090E+03	0.45068E-01	0.28054E+00	0.12643E-01	0.54084E-01
0.69100E+03	0.47380E-01	0.28079E+00	0.13304E-01	0.56911E-01
0.69110E+03	0.49849E-01	0.28105E+00	0.14010E-01	0.59931E-01
0.69120E+03	0.52536E-01	0.28130E+00	0.14778E-01	0.63218E-01

0.69130E+03	0.55391E-01	0.28155E+00	0.15596E-01	0.66714E-01
0.69140E+03	0.58432E-01	0.28181E+00	0.16467E-01	0.70440E-01
0.69150E+03	0.61618E-01	0.28206E+00	0.17380E-01	0.74347E-01
0.69160E+03	0.64932E-01	0.28232E+00	0.18331E-01	0.78416E-01
0.69170E+03	0.68403E-01	0.28257E+00	0.19329E-01	0.82682E-01
0.69180E+03	0.72154E-01	0.28282E+00	0.20407E-01	0.87295E-01
0.69190E+03	0.76170E-01	0.28308E+00	0.21562E-01	0.92237E-01
0.69200E+03	0.80495E-01	0.28333E+00	0.22807E-01	0.97561E-01
0.69210E+03	0.85080E-01	0.28356E+00	0.24125E-01	0.10320E+00
0.69220E+03	0.89967E-01	0.28379E+00	0.25532E-01	0.10922E+00
0.69230E+03	0.95134E-01	0.28403E+00	0.27021E-01	0.11559E+00
0.69240E+03	0.10063E+00	0.28426E+00	0.28604E-01	0.12236E+00
0.69250E+03	0.10640E+00	0.28449E+00	0.30270E-01	0.12949E+00
0.69260E+03	0.11249E+00	0.28473E+00	0.32029E-01	0.13701E+00
0.69270E+03	0.11887E+00	0.28497E+00	0.33876E-01	0.14491E+00
0.69280E+03	0.12557E+00	0.28521E+00	0.35812E-01	0.15319E+00
0.69290E+03	0.13260E+00	0.28545E+00	0.37850E-01	0.16191E+00
0.69300E+03	0.14009E+00	0.28569E+00	0.40023E-01	0.17121E+00
0.69310E+03	0.14802E+00	0.28593E+00	0.42323E-01	0.18104E+00
0.69320E+03	0.15643E+00	0.28617E+00	0.44765E-01	0.19149E+00
0.69330E+03	0.16530E+00	0.28641E+00	0.47342E-01	0.20252E+00
0.69340E+03	0.17461E+00	0.28665E+00	0.50051E-01	0.21410E+00
0.69350E+03	0.18436E+00	0.28688E+00	0.52891E-01	0.22625E+00
0.69360E+03	0.19457E+00	0.28712E+00	0.55864E-01	0.23897E+00
0.69370E+03	0.20522E+00	0.28736E+00	0.58971E-01	0.25226E+00
0.69380E+03	0.21633E+00	0.28760E+00	0.62218E-01	0.26615E+00
0.69390E+03	0.22796E+00	0.28784E+00	0.65618E-01	0.28069E+00
0.69400E+03	0.24014E+00	0.28808E+00	0.69181E-01	0.29594E+00
0.69410E+03	0.25283E+00	0.28829E+00	0.72890E-01	0.31180E+00
0.69420E+03	0.26603E+00	0.28851E+00	0.76750E-01	0.32832E+00
0.69430E+03	0.27971E+00	0.28872E+00	0.80759E-01	0.34546E+00
0.69440E+03	0.29386E+00	0.28893E+00	0.84908E-01	0.36321E+00
0.69450E+03	0.30841E+00	0.28915E+00	0.89175E-01	0.38147E+00
0.69460E+03	0.32331E+00	0.28936E+00	0.93553E-01	0.40019E+00
0.69470E+03	0.33853E+00	0.28957E+00	0.98030E-01	0.41934E+00
0.69480E+03	0.35406E+00	0.28979E+00	0.10260E+00	0.43890E+00
0.69490E+03	0.36983E+00	0.29000E+00	0.10725E+00	0.45879E+00
0.69500E+03	0.38582E+00	0.29021E+00	0.11197E+00	0.47898E+00
0.69510E+03	0.40196E+00	0.29043E+00	0.11674E+00	0.49939E+00
0.69520E+03	0.41822E+00	0.29064E+00	0.12155E+00	0.51996E+00
0.69530E+03	0.43448E+00	0.29085E+00	0.12637E+00	0.54057E+00
0.69540E+03	0.45069E+00	0.29106E+00	0.13118E+00	0.56114E+00
0.69550E+03	0.46675E+00	0.29127E+00	0.13595E+00	0.58156E+00

0.69560E+03	0.48261E+00	0.29148E+00	0.14067E+00	0.60175E+00
0.69570E+03	0.49825E+00	0.29170E+00	0.14534E+00	0.62171E+00
0.69580E+03	0.51367E+00	0.29191E+00	0.14994E+00	0.64141E+00
0.69590E+03	0.52876E+00	0.29212E+00	0.15446E+00	0.66074E+00
0.69600E+03	0.54356E+00	0.29233E+00	0.15890E+00	0.67972E+00
0.69610E+03	0.55799E+00	0.29248E+00	0.16320E+00	0.69813E+00
0.69620E+03	0.57207E+00	0.29263E+00	0.16740E+00	0.71611E+00
0.69630E+03	0.58571E+00	0.29278E+00	0.17148E+00	0.73356E+00
0.69640E+03	0.59894E+00	0.29293E+00	0.17545E+00	0.75050E+00
0.69650E+03	0.61164E+00	0.29308E+00	0.17926E+00	0.76682E+00
0.69660E+03	0.62375E+00	0.29323E+00	0.18290E+00	0.78240E+00
0.69670E+03	0.63519E+00	0.29338E+00	0.18635E+00	0.79715E+00
0.69680E+03	0.64593E+00	0.29352E+00	0.18960E+00	0.81104E+00
0.69690E+03	0.65600E+00	0.29367E+00	0.19265E+00	0.82410E+00
0.69700E+03	0.66543E+00	0.29382E+00	0.19552E+00	0.83637E+00
0.69710E+03	0.67421E+00	0.29397E+00	0.19820E+00	0.84783E+00
0.69720E+03	0.68242E+00	0.29411E+00	0.20071E+00	0.85857E+00
0.69730E+03	0.68999E+00	0.29426E+00	0.20304E+00	0.86854E+00
0.69740E+03	0.69695E+00	0.29441E+00	0.20519E+00	0.87772E+00
0.69750E+03	0.70326E+00	0.29455E+00	0.20715E+00	0.88611E+00
0.69760E+03	0.70894E+00	0.29470E+00	0.20892E+00	0.89372E+00
0.69770E+03	0.71402E+00	0.29484E+00	0.21053E+00	0.90057E+00
0.69780E+03	0.71852E+00	0.29499E+00	0.21195E+00	0.90668E+00
0.69790E+03	0.72245E+00	0.29514E+00	0.21322E+00	0.91209E+00
0.69800E+03	0.72586E+00	0.29528E+00	0.21433E+00	0.91686E+00
0.69810E+03	0.72881E+00	0.29541E+00	0.21530E+00	0.92099E+00
0.69820E+03	0.73141E+00	0.29554E+00	0.21616E+00	0.92468E+00
0.69830E+03	0.73368E+00	0.29567E+00	0.21693E+00	0.92796E+00
0.69840E+03	0.73565E+00	0.29581E+00	0.21761E+00	0.93088E+00
0.69850E+03	0.73738E+00	0.29594E+00	0.21822E+00	0.93348E+00
0.69860E+03	0.73887E+00	0.29607E+00	0.21876E+00	0.93578E+00
0.69870E+03	0.74016E+00	0.29620E+00	0.21924E+00	0.93784E+00
0.69880E+03	0.74129E+00	0.29633E+00	0.21967E+00	0.93968E+00
0.69890E+03	0.74229E+00	0.29647E+00	0.22006E+00	0.94137E+00
0.69900E+03	0.74322E+00	0.29660E+00	0.22044E+00	0.94297E+00
0.69910E+03	0.74409E+00	0.29673E+00	0.22079E+00	0.94449E+00
0.69920E+03	0.74492E+00	0.29686E+00	0.22114E+00	0.94596E+00
0.69930E+03	0.74572E+00	0.29699E+00	0.22147E+00	0.94738E+00
0.69940E+03	0.74645E+00	0.29712E+00	0.22178E+00	0.94872E+00
0.69950E+03	0.74714E+00	0.29725E+00	0.22209E+00	0.95002E+00
0.69960E+03	0.74778E+00	0.29737E+00	0.22237E+00	0.95124E+00
0.69970E+03	0.74837E+00	0.29750E+00	0.22264E+00	0.95241E+00
0.69980E+03	0.74890E+00	0.29763E+00	0.22290E+00	0.95349E+00

0.69990E+03	0.74944E+00	0.29776E+00	0.22315E+00	0.95459E+00
0.70000E+03	0.75003E+00	0.29789E+00	0.22343E+00	0.95575E+00
0.70010E+03	0.75068E+00	0.29801E+00	0.22371E+00	0.95696E+00
0.70020E+03	0.75146E+00	0.29812E+00	0.22403E+00	0.95833E+00
0.70030E+03	0.75237E+00	0.29824E+00	0.22439E+00	0.95987E+00
0.70040E+03	0.75338E+00	0.29836E+00	0.22478E+00	0.96154E+00
0.70050E+03	0.75442E+00	0.29848E+00	0.22518E+00	0.96325E+00
0.70060E+03	0.75541E+00	0.29860E+00	0.22556E+00	0.96489E+00
0.70070E+03	0.75637E+00	0.29871E+00	0.22594E+00	0.96650E+00
0.70080E+03	0.75726E+00	0.29883E+00	0.22629E+00	0.96801E+00
0.70090E+03	0.75810E+00	0.29895E+00	0.22663E+00	0.96948E+00
0.70100E+03	0.75891E+00	0.29907E+00	0.22696E+00	0.97089E+00
0.70110E+03	0.75974E+00	0.29918E+00	0.22730E+00	0.97233E+00
0.70120E+03	0.76068E+00	0.29929E+00	0.22767E+00	0.97390E+00
0.70130E+03	0.76172E+00	0.29941E+00	0.22806E+00	0.97559E+00
0.70140E+03	0.76286E+00	0.29952E+00	0.22849E+00	0.97743E+00
0.70150E+03	0.76408E+00	0.29963E+00	0.22895E+00	0.97936E+00
0.70160E+03	0.76532E+00	0.29975E+00	0.22940E+00	0.98131E+00
0.70170E+03	0.76652E+00	0.29986E+00	0.22985E+00	0.98322E+00
0.70180E+03	0.76767E+00	0.29997E+00	0.23028E+00	0.98506E+00
0.70190E+03	0.76877E+00	0.30008E+00	0.23069E+00	0.98684E+00
0.70200E+03	0.76982E+00	0.30019E+00	0.23109E+00	0.98856E+00
0.70210E+03	0.77084E+00	0.30029E+00	0.23148E+00	0.99019E+00
0.70220E+03	0.77180E+00	0.30038E+00	0.23183E+00	0.99172E+00
0.70230E+03	0.77267E+00	0.30047E+00	0.23217E+00	0.99314E+00
0.70240E+03	0.77345E+00	0.30056E+00	0.23247E+00	0.99443E+00
0.70250E+03	0.77413E+00	0.30064E+00	0.23274E+00	0.99558E+00
0.70260E+03	0.77468E+00	0.30073E+00	0.23297E+00	0.99658E+00
0.70270E+03	0.77513E+00	0.30082E+00	0.23317E+00	0.99744E+00
0.70280E+03	0.77552E+00	0.30090E+00	0.23336E+00	0.99823E+00
0.70290E+03	0.77585E+00	0.30099E+00	0.23352E+00	0.99893E+00
0.70300E+03	0.77606E+00	0.30107E+00	0.23365E+00	0.99950E+00
0.70310E+03	0.77614E+00	0.30116E+00	0.23374E+00	0.99986E+00
0.70320E+03	0.77603E+00	0.30124E+00	0.23377E+00	0.10000E+01
0.70330E+03	0.77573E+00	0.30132E+00	0.23374E+00	0.99989E+00
0.70340E+03	0.77526E+00	0.30140E+00	0.23366E+00	0.99955E+00
0.70350E+03	0.77458E+00	0.30148E+00	0.23352E+00	0.99895E+00
0.70360E+03	0.77367E+00	0.30157E+00	0.23331E+00	0.99804E+00
0.70370E+03	0.77250E+00	0.30165E+00	0.23302E+00	0.99680E+00
0.70380E+03	0.77105E+00	0.30173E+00	0.23265E+00	0.99521E+00
0.70390E+03	0.76935E+00	0.30181E+00	0.23220E+00	0.99328E+00
0.70400E+03	0.76741E+00	0.30189E+00	0.23168E+00	0.99105E+00
0.70410E+03	0.76528E+00	0.30197E+00	0.23109E+00	0.98854E+00

0.70420E+03	0.76300E+00	0.30204E+00	0.23046E+00	0.98584E+00
0.70430E+03	0.76058E+00	0.30212E+00	0.22978E+00	0.98295E+00
0.70440E+03	0.75798E+00	0.30219E+00	0.22906E+00	0.97984E+00
0.70450E+03	0.75522E+00	0.30227E+00	0.22828E+00	0.97652E+00
0.70460E+03	0.75226E+00	0.30234E+00	0.22744E+00	0.97293E+00
0.70470E+03	0.74911E+00	0.30242E+00	0.22654E+00	0.96908E+00
0.70480E+03	0.74574E+00	0.30249E+00	0.22558E+00	0.96496E+00
0.70490E+03	0.74219E+00	0.30257E+00	0.22456E+00	0.96060E+00
0.70500E+03	0.73844E+00	0.30264E+00	0.22348E+00	0.95599E+00
0.70510E+03	0.73455E+00	0.30271E+00	0.22235E+00	0.95116E+00
0.70520E+03	0.73054E+00	0.30277E+00	0.22119E+00	0.94619E+00
0.70530E+03	0.72644E+00	0.30284E+00	0.22000E+00	0.94108E+00
0.70540E+03	0.72219E+00	0.30291E+00	0.21876E+00	0.93579E+00
0.70550E+03	0.71780E+00	0.30298E+00	0.21747E+00	0.93029E+00
0.70560E+03	0.71323E+00	0.30304E+00	0.21614E+00	0.92458E+00
0.70570E+03	0.70854E+00	0.30311E+00	0.21476E+00	0.91870E+00
0.70580E+03	0.70372E+00	0.30317E+00	0.21335E+00	0.91265E+00
0.70590E+03	0.69877E+00	0.30324E+00	0.21189E+00	0.90642E+00
0.70600E+03	0.69367E+00	0.30331E+00	0.21039E+00	0.90001E+00
0.70610E+03	0.68841E+00	0.30338E+00	0.20885E+00	0.89341E+00
0.70620E+03	0.68295E+00	0.30346E+00	0.20725E+00	0.88655E+00
0.70630E+03	0.67732E+00	0.30353E+00	0.20559E+00	0.87946E+00
0.70640E+03	0.67153E+00	0.30361E+00	0.20388E+00	0.87216E+00
0.70650E+03	0.66560E+00	0.30368E+00	0.20213E+00	0.86467E+00
0.70660E+03	0.65953E+00	0.30376E+00	0.20034E+00	0.85699E+00
0.70670E+03	0.65332E+00	0.30383E+00	0.19850E+00	0.84913E+00
0.70680E+03	0.64695E+00	0.30391E+00	0.19661E+00	0.84106E+00
0.70690E+03	0.64038E+00	0.30398E+00	0.19466E+00	0.83271E+00
0.70700E+03	0.63356E+00	0.30406E+00	0.19264E+00	0.82405E+00
0.70710E+03	0.62654E+00	0.30413E+00	0.19055E+00	0.81512E+00
0.70720E+03	0.61933E+00	0.30420E+00	0.18840E+00	0.80593E+00
0.70730E+03	0.61199E+00	0.30427E+00	0.18621E+00	0.79656E+00
0.70740E+03	0.60453E+00	0.30435E+00	0.18399E+00	0.78704E+00
0.70750E+03	0.59694E+00	0.30442E+00	0.18172E+00	0.77735E+00
0.70760E+03	0.58924E+00	0.30449E+00	0.17942E+00	0.76750E+00
0.70770E+03	0.58143E+00	0.30456E+00	0.17708E+00	0.75750E+00
0.70780E+03	0.57351E+00	0.30463E+00	0.17471E+00	0.74736E+00
0.70790E+03	0.56547E+00	0.30471E+00	0.17230E+00	0.73706E+00
0.70800E+03	0.55730E+00	0.30478E+00	0.16985E+00	0.72657E+00
0.70810E+03	0.54897E+00	0.30485E+00	0.16736E+00	0.71590E+00
0.70820E+03	0.54048E+00	0.30493E+00	0.16481E+00	0.70500E+00
0.70830E+03	0.53184E+00	0.30501E+00	0.16222E+00	0.69392E+00
0.70840E+03	0.52305E+00	0.30509E+00	0.15957E+00	0.68262E+00

0.70850E+03	0.51413E+00	0.30516E+00	0.15689E+00	0.67114E+00
0.70860E+03	0.50508E+00	0.30524E+00	0.15417E+00	0.65949E+00
0.70870E+03	0.49593E+00	0.30532E+00	0.15142E+00	0.64772E+00
0.70880E+03	0.48667E+00	0.30539E+00	0.14863E+00	0.63578E+00
0.70890E+03	0.47730E+00	0.30547E+00	0.14580E+00	0.62370E+00
0.70900E+03	0.46780E+00	0.30555E+00	0.14294E+00	0.61144E+00
0.70910E+03	0.45820E+00	0.30562E+00	0.14004E+00	0.59903E+00
0.70920E+03	0.44844E+00	0.30570E+00	0.13709E+00	0.58642E+00
0.70930E+03	0.43855E+00	0.30577E+00	0.13410E+00	0.57363E+00
0.70940E+03	0.42853E+00	0.30585E+00	0.13107E+00	0.56067E+00
0.70950E+03	0.41847E+00	0.30593E+00	0.12802E+00	0.54764E+00
0.70960E+03	0.40840E+00	0.30600E+00	0.12497E+00	0.53459E+00
0.70970E+03	0.39834E+00	0.30608E+00	0.12192E+00	0.52155E+00
0.70980E+03	0.38829E+00	0.30615E+00	0.11888E+00	0.50852E+00
0.70990E+03	0.37828E+00	0.30622E+00	0.11584E+00	0.49553E+00
0.71000E+03	0.36824E+00	0.30629E+00	0.11279E+00	0.48249E+00
0.71010E+03	0.35820E+00	0.30637E+00	0.10974E+00	0.46945E+00
0.71020E+03	0.34817E+00	0.30645E+00	0.10670E+00	0.45642E+00
0.71030E+03	0.33821E+00	0.30653E+00	0.10367E+00	0.44347E+00
0.71040E+03	0.32831E+00	0.30660E+00	0.10066E+00	0.43061E+00
0.71050E+03	0.31852E+00	0.30668E+00	0.97683E-01	0.41786E+00
0.71060E+03	0.30883E+00	0.30676E+00	0.94738E-01	0.40526E+00
0.71070E+03	0.29926E+00	0.30684E+00	0.91824E-01	0.39279E+00
0.71080E+03	0.28976E+00	0.30691E+00	0.88931E-01	0.38042E+00
0.71090E+03	0.28036E+00	0.30699E+00	0.86067E-01	0.36817E+00
0.71100E+03	0.27104E+00	0.30707E+00	0.83228E-01	0.35602E+00
0.71110E+03	0.26182E+00	0.30714E+00	0.80417E-01	0.34400E+00
0.71120E+03	0.25268E+00	0.30722E+00	0.77628E-01	0.33207E+00
0.71130E+03	0.24364E+00	0.30729E+00	0.74869E-01	0.32027E+00
0.71140E+03	0.23474E+00	0.30737E+00	0.72151E-01	0.30864E+00
0.71150E+03	0.22603E+00	0.30744E+00	0.69490E-01	0.29726E+00
0.71160E+03	0.21754E+00	0.30752E+00	0.66897E-01	0.28617E+00
0.71170E+03	0.20930E+00	0.30759E+00	0.64379E-01	0.27539E+00
0.71180E+03	0.20132E+00	0.30767E+00	0.61939E-01	0.26496E+00
0.71190E+03	0.19359E+00	0.30774E+00	0.59573E-01	0.25484E+00
0.71200E+03	0.18603E+00	0.30781E+00	0.57261E-01	0.24495E+00
0.71210E+03	0.17866E+00	0.30789E+00	0.55006E-01	0.23530E+00
0.71220E+03	0.17149E+00	0.30796E+00	0.52814E-01	0.22592E+00
0.71230E+03	0.16457E+00	0.30804E+00	0.50696E-01	0.21686E+00
0.71240E+03	0.15789E+00	0.30812E+00	0.48650E-01	0.20811E+00
0.71250E+03	0.15146E+00	0.30820E+00	0.46681E-01	0.19969E+00
0.71260E+03	0.14531E+00	0.30828E+00	0.44796E-01	0.19163E+00
0.71270E+03	0.13943E+00	0.30836E+00	0.42993E-01	0.18391E+00

0.71280E+03	0.13378E+00	0.30843E+00	0.41261E-01	0.17650E+00
0.71290E+03	0.12834E+00	0.30851E+00	0.39594E-01	0.16937E+00
0.71300E+03	0.12308E+00	0.30859E+00	0.37981E-01	0.16247E+00
0.71310E+03	0.11796E+00	0.30867E+00	0.36410E-01	0.15575E+00
0.71320E+03	0.11293E+00	0.30875E+00	0.34868E-01	0.14915E+00
0.71330E+03	0.10803E+00	0.30882E+00	0.33362E-01	0.14271E+00
0.71340E+03	0.10328E+00	0.30890E+00	0.31905E-01	0.13648E+00
0.71350E+03	0.98707E-01	0.30898E+00	0.30498E-01	0.13046E+00
0.71360E+03	0.94326E-01	0.30905E+00	0.29152E-01	0.12470E+00
0.71370E+03	0.90145E-01	0.30913E+00	0.27867E-01	0.11921E+00
0.71380E+03	0.86179E-01	0.30921E+00	0.26648E-01	0.11399E+00
0.71390E+03	0.82379E-01	0.30929E+00	0.25479E-01	0.10899E+00
0.71400E+03	0.78712E-01	0.30937E+00	0.24351E-01	0.10417E+00
0.71410E+03	0.75180E-01	0.30945E+00	0.23264E-01	0.99518E-01
0.71420E+03	0.71781E-01	0.30954E+00	0.22219E-01	0.95045E-01
0.71430E+03	0.68500E-01	0.30962E+00	0.21209E-01	0.90726E-01
0.71440E+03	0.65330E-01	0.30970E+00	0.20233E-01	0.86551E-01
0.71450E+03	0.62274E-01	0.30979E+00	0.19292E-01	0.82525E-01
0.71460E+03	0.59358E-01	0.30987E+00	0.18393E-01	0.78682E-01
0.71470E+03	0.56569E-01	0.30996E+00	0.17534E-01	0.75005E-01
0.71480E+03	0.53896E-01	0.31004E+00	0.16710E-01	0.71481E-01
0.71490E+03	0.51321E-01	0.31012E+00	0.15916E-01	0.68083E-01
0.71500E+03	0.48819E-01	0.31021E+00	0.15144E-01	0.64782E-01
0.71510E+03	0.46389E-01	0.31029E+00	0.14394E-01	0.61574E-01
0.71520E+03	0.44048E-01	0.31037E+00	0.13671E-01	0.58482E-01
0.71530E+03	0.41832E-01	0.31045E+00	0.12987E-01	0.55554E-01
0.71540E+03	0.39773E-01	0.31054E+00	0.12351E-01	0.52834E-01
0.71550E+03	0.37868E-01	0.31062E+00	0.11762E-01	0.50316E-01
0.71560E+03	0.36156E-01	0.31070E+00	0.11234E-01	0.48054E-01
0.71570E+03	0.34621E-01	0.31078E+00	0.10760E-01	0.46027E-01
0.71580E+03	0.33275E-01	0.31086E+00	0.10344E-01	0.44247E-01
0.71590E+03	0.32054E-01	0.31094E+00	0.99669E-02	0.42636E-01
0.71600E+03	0.30866E-01	0.31102E+00	0.95999E-02	0.41066E-01
0.71610E+03	0.29709E-01	0.31110E+00	0.92424E-02	0.39536E-01
0.71620E+03	0.28581E-01	0.31118E+00	0.88938E-02	0.38045E-01
0.71630E+03	0.27464E-01	0.31126E+00	0.85485E-02	0.36568E-01
0.71640E+03	0.26363E-01	0.31134E+00	0.82080E-02	0.35112E-01
0.71650E+03	0.25301E-01	0.31142E+00	0.78793E-02	0.33706E-01
0.71660E+03	0.24329E-01	0.31151E+00	0.75786E-02	0.32419E-01
0.71670E+03	0.23434E-01	0.31159E+00	0.73016E-02	0.31234E-01
0.71680E+03	0.22598E-01	0.31167E+00	0.70431E-02	0.30128E-01
0.71690E+03	0.21766E-01	0.31175E+00	0.67856E-02	0.29027E-01
0.71700E+03	0.20943E-01	0.31183E+00	0.65306E-02	0.27936E-01

0.71710E+03	0.20123E-01	0.31191E+00	0.62765E-02	0.26849E-01
0.71720E+03	0.19312E-01	0.31199E+00	0.60253E-02	0.25774E-01
0.71730E+03	0.18513E-01	0.31207E+00	0.57775E-02	0.24715E-01
0.71740E+03	0.17716E-01	0.31215E+00	0.55302E-02	0.23656E-01
0.71750E+03	0.16939E-01	0.31223E+00	0.52890E-02	0.22625E-01
0.71760E+03	0.16183E-01	0.31232E+00	0.50543E-02	0.21621E-01
0.71770E+03	0.15428E-01	0.31241E+00	0.48200E-02	0.20618E-01
0.71780E+03	0.14684E-01	0.31251E+00	0.45888E-02	0.19630E-01
0.71790E+03	0.13946E-01	0.31261E+00	0.43595E-02	0.18649E-01
0.71800E+03	0.13211E-01	0.31270E+00	0.41313E-02	0.17672E-01
0.71810E+03	0.12498E-01	0.31280E+00	0.39094E-02	0.16723E-01
0.71820E+03	0.11827E-01	0.31290E+00	0.37008E-02	0.15831E-01
0.71830E+03	0.11199E-01	0.31300E+00	0.35053E-02	0.14994E-01
0.71840E+03	0.10612E-01	0.31310E+00	0.33227E-02	0.14213E-01
0.71850E+03	0.10068E-01	0.31319E+00	0.31531E-02	0.13488E-01
0.71860E+03	0.95723E-02	0.31329E+00	0.29989E-02	0.12828E-01
0.71870E+03	0.90807E-02	0.31339E+00	0.28458E-02	0.12173E-01
0.71880E+03	0.85893E-02	0.31349E+00	0.26926E-02	0.11518E-01
0.71890E+03	0.81232E-02	0.31358E+00	0.25473E-02	0.10897E-01
0.71900E+03	0.76623E-02	0.31368E+00	0.24035E-02	0.10282E-01
0.71910E+03	0.72057E-02	0.31378E+00	0.22610E-02	0.96719E-02
0.71920E+03	0.67506E-02	0.31387E+00	0.21188E-02	0.90638E-02
0.71930E+03	0.63361E-02	0.31397E+00	0.19894E-02	0.85099E-02
0.71940E+03	0.59810E-02	0.31407E+00	0.18785E-02	0.80355E-02
0.71950E+03	0.56925E-02	0.31417E+00	0.17884E-02	0.76503E-02
0.71960E+03	0.54110E-02	0.31429E+00	0.17006E-02	0.72747E-02
0.71970E+03	0.51335E-02	0.31441E+00	0.16140E-02	0.69043E-02
0.71980E+03	0.48628E-02	0.31453E+00	0.15295E-02	0.65427E-02
0.71990E+03	0.45985E-02	0.31465E+00	0.14469E-02	0.61895E-02
0.72000E+03	0.43528E-02	0.31477E+00	0.13701E-02	0.58611E-02
0.72010E+03	0.41097E-02	0.31489E+00	0.12941E-02	0.55358E-02
0.72020E+03	0.38807E-02	0.31501E+00	0.12225E-02	0.52293E-02
0.72030E+03	0.36556E-02	0.31512E+00	0.11520E-02	0.49277E-02
0.72040E+03	0.34582E-02	0.31524E+00	0.10902E-02	0.46634E-02
0.72050E+03	0.32732E-02	0.31536E+00	0.10322E-02	0.44155E-02
0.72060E+03	0.30907E-02	0.31547E+00	0.97503E-03	0.41709E-02
0.72070E+03	0.29136E-02	0.31559E+00	0.91949E-03	0.39333E-02
0.72080E+03	0.27490E-02	0.31571E+00	0.86789E-03	0.37126E-02
0.72090E+03	0.26027E-02	0.31582E+00	0.82198E-03	0.35162E-02
0.72100E+03	0.24623E-02	0.31594E+00	0.77795E-03	0.33278E-02
0.72110E+03	0.23349E-02	0.31606E+00	0.73796E-03	0.31568E-02
0.72120E+03	0.22077E-02	0.31618E+00	0.69801E-03	0.29859E-02
0.72130E+03	0.20816E-02	0.31629E+00	0.65838E-03	0.28164E-02

0.72140E+03	0.19609E-02	0.31641E+00	0.62043E-03	0.26540E-02
0.72150E+03	0.18409E-02	0.31654E+00	0.58270E-03	0.24926E-02
0.72160E+03	0.17260E-02	0.31666E+00	0.54655E-03	0.23380E-02
0.72170E+03	0.16123E-02	0.31679E+00	0.51076E-03	0.21849E-02
0.72180E+03	0.15011E-02	0.31692E+00	0.47574E-03	0.20351E-02
0.72190E+03	0.13953E-02	0.31705E+00	0.44239E-03	0.18924E-02
0.72200E+03	0.12960E-02	0.31718E+00	0.41106E-03	0.17584E-02
0.72210E+03	0.11986E-02	0.31731E+00	0.38033E-03	0.16269E-02
0.72220E+03	0.11020E-02	0.31745E+00	0.34984E-03	0.14965E-02
0.72230E+03	0.10076E-02	0.31758E+00	0.32001E-03	0.13689E-02
0.72240E+03	0.91341E-03	0.31771E+00	0.29020E-03	0.12414E-02
0.72250E+03	0.82434E-03	0.31785E+00	0.26202E-03	0.11208E-02
0.72260E+03	0.73710E-03	0.31798E+00	0.23438E-03	0.10026E-02
0.72270E+03	0.65187E-03	0.31811E+00	0.20737E-03	0.88707E-03
0.72280E+03	0.57136E-03	0.31825E+00	0.18183E-03	0.77783E-03
0.72290E+03	0.49261E-03	0.31838E+00	0.15684E-03	0.67090E-03
0.72300E+03	0.41626E-03	0.31851E+00	0.13258E-03	0.56716E-03
0.72310E+03	0.34478E-03	0.31865E+00	0.10986E-03	0.46996E-03
0.72320E+03	0.27558E-03	0.31878E+00	0.87849E-04	0.37579E-03
0.72330E+03	0.21423E-03	0.31891E+00	0.68321E-04	0.29226E-03
0.72340E+03	0.15373E-03	0.31905E+00	0.49048E-04	0.20981E-03
0.72350E+03	0.93794E-04	0.31919E+00	0.29938E-04	0.12807E-03
0.72360E+03	0.34417E-04	0.31933E+00	0.10990E-04	0.47013E-04
0.72370E+03	0.00000E+00	0.31947E+00	0.00000E+00	0.00000E+00
Channel 5				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.69580E+03	0.00000E+00	0.29191E+00	0.00000E+00	0.00000E+00
0.69590E+03	0.55605E-04	0.29212E+00	0.16243E-04	0.72389E-04
0.69600E+03	0.15033E-03	0.29233E+00	0.43947E-04	0.19585E-03
0.69610E+03	0.26200E-03	0.29248E+00	0.76629E-04	0.34150E-03
0.69620E+03	0.38610E-03	0.29263E+00	0.11299E-03	0.50353E-03
0.69630E+03	0.52022E-03	0.29278E+00	0.15231E-03	0.67878E-03
0.69640E+03	0.66194E-03	0.29293E+00	0.19390E-03	0.86413E-03
0.69650E+03	0.80542E-03	0.29308E+00	0.23605E-03	0.10520E-02
0.69660E+03	0.95600E-03	0.29323E+00	0.28033E-03	0.12493E-02
0.69670E+03	0.11105E-02	0.29338E+00	0.32579E-03	0.14519E-02
0.69680E+03	0.12830E-02	0.29352E+00	0.37660E-03	0.16783E-02
0.69690E+03	0.14596E-02	0.29367E+00	0.42864E-03	0.19103E-02
0.69700E+03	0.16701E-02	0.29382E+00	0.49070E-03	0.21869E-02
0.69710E+03	0.18822E-02	0.29397E+00	0.55331E-03	0.24659E-02

0.69720E+03	0.21007E-02	0.29411E+00	0.61784E-03	0.27535E-02
0.69730E+03	0.23241E-02	0.29426E+00	0.68389E-03	0.30478E-02
0.69740E+03	0.25489E-02	0.29441E+00	0.75040E-03	0.33442E-02
0.69750E+03	0.27751E-02	0.29455E+00	0.81742E-03	0.36429E-02
0.69760E+03	0.30024E-02	0.29470E+00	0.88481E-03	0.39432E-02
0.69770E+03	0.32384E-02	0.29484E+00	0.95483E-03	0.42553E-02
0.69780E+03	0.34809E-02	0.29499E+00	0.10268E-02	0.45761E-02
0.69790E+03	0.37244E-02	0.29514E+00	0.10992E-02	0.48986E-02
0.69800E+03	0.39690E-02	0.29528E+00	0.11720E-02	0.52229E-02
0.69810E+03	0.42186E-02	0.29541E+00	0.12462E-02	0.55539E-02
0.69820E+03	0.44683E-02	0.29554E+00	0.13206E-02	0.58852E-02
0.69830E+03	0.47236E-02	0.29567E+00	0.13967E-02	0.62243E-02
0.69840E+03	0.49795E-02	0.29581E+00	0.14730E-02	0.65643E-02
0.69850E+03	0.52354E-02	0.29594E+00	0.15493E-02	0.69048E-02
0.69860E+03	0.54927E-02	0.29607E+00	0.16262E-02	0.72474E-02
0.69870E+03	0.57530E-02	0.29620E+00	0.17041E-02	0.75943E-02
0.69880E+03	0.60175E-02	0.29633E+00	0.17832E-02	0.79469E-02
0.69890E+03	0.62836E-02	0.29647E+00	0.18629E-02	0.83020E-02
0.69900E+03	0.65533E-02	0.29660E+00	0.19437E-02	0.86622E-02
0.69910E+03	0.68349E-02	0.29673E+00	0.20281E-02	0.90384E-02
0.69920E+03	0.71296E-02	0.29686E+00	0.21165E-02	0.94323E-02
0.69930E+03	0.74400E-02	0.29699E+00	0.22096E-02	0.98472E-02
0.69940E+03	0.77856E-02	0.29712E+00	0.23132E-02	0.10309E-01
0.69950E+03	0.81350E-02	0.29725E+00	0.24181E-02	0.10776E-01
0.69960E+03	0.84972E-02	0.29737E+00	0.25268E-02	0.11261E-01
0.69970E+03	0.88726E-02	0.29750E+00	0.26396E-02	0.11764E-01
0.69980E+03	0.92614E-02	0.29763E+00	0.27565E-02	0.12284E-01
0.69990E+03	0.96574E-02	0.29776E+00	0.28756E-02	0.12815E-01
0.70000E+03	0.10056E-01	0.29789E+00	0.29957E-02	0.13350E-01
0.70010E+03	0.10242E-01	0.29801E+00	0.30521E-02	0.13602E-01
0.70020E+03	0.10466E-01	0.29812E+00	0.31200E-02	0.13905E-01
0.70030E+03	0.10838E-01	0.29824E+00	0.32323E-02	0.14405E-01
0.70040E+03	0.11311E-01	0.29836E+00	0.33749E-02	0.15040E-01
0.70050E+03	0.11847E-01	0.29848E+00	0.35360E-02	0.15759E-01
0.70060E+03	0.12433E-01	0.29860E+00	0.37123E-02	0.16544E-01
0.70070E+03	0.13092E-01	0.29871E+00	0.39108E-02	0.17429E-01
0.70080E+03	0.13793E-01	0.29883E+00	0.41217E-02	0.18369E-01
0.70090E+03	0.14469E-01	0.29895E+00	0.43255E-02	0.19277E-01
0.70100E+03	0.15148E-01	0.29907E+00	0.45303E-02	0.20190E-01
0.70110E+03	0.15845E-01	0.29918E+00	0.47406E-02	0.21127E-01
0.70120E+03	0.16547E-01	0.29929E+00	0.49524E-02	0.22071E-01
0.70130E+03	0.17231E-01	0.29941E+00	0.51592E-02	0.22992E-01
0.70140E+03	0.17933E-01	0.29952E+00	0.53713E-02	0.23937E-01

0.70150E+03	0.18741E-01	0.29963E+00	0.56153E-02	0.25025E-01
0.70160E+03	0.19632E-01	0.29975E+00	0.58848E-02	0.26226E-01
0.70170E+03	0.20566E-01	0.29986E+00	0.61669E-02	0.27483E-01
0.70180E+03	0.21502E-01	0.29997E+00	0.64499E-02	0.28745E-01
0.70190E+03	0.22404E-01	0.30008E+00	0.67229E-02	0.29961E-01
0.70200E+03	0.23291E-01	0.30019E+00	0.69919E-02	0.31160E-01
0.70210E+03	0.24203E-01	0.30029E+00	0.72680E-02	0.32390E-01
0.70220E+03	0.25121E-01	0.30038E+00	0.75460E-02	0.33629E-01
0.70230E+03	0.25979E-01	0.30047E+00	0.78060E-02	0.34788E-01
0.70240E+03	0.26813E-01	0.30056E+00	0.80590E-02	0.35916E-01
0.70250E+03	0.27703E-01	0.30064E+00	0.83287E-02	0.37118E-01
0.70260E+03	0.28684E-01	0.30073E+00	0.86261E-02	0.38443E-01
0.70270E+03	0.29771E-01	0.30082E+00	0.89557E-02	0.39912E-01
0.70280E+03	0.30971E-01	0.30090E+00	0.93191E-02	0.41531E-01
0.70290E+03	0.32301E-01	0.30099E+00	0.97222E-02	0.43328E-01
0.70300E+03	0.33736E-01	0.30107E+00	0.10157E-01	0.45266E-01
0.70310E+03	0.35250E-01	0.30116E+00	0.10616E-01	0.47309E-01
0.70320E+03	0.36846E-01	0.30124E+00	0.11099E-01	0.49465E-01
0.70330E+03	0.38509E-01	0.30132E+00	0.11603E-01	0.51712E-01
0.70340E+03	0.40245E-01	0.30140E+00	0.12130E-01	0.54059E-01
0.70350E+03	0.42060E-01	0.30148E+00	0.12680E-01	0.56511E-01
0.70360E+03	0.43967E-01	0.30157E+00	0.13259E-01	0.59090E-01
0.70370E+03	0.45942E-01	0.30165E+00	0.13858E-01	0.61760E-01
0.70380E+03	0.47995E-01	0.30173E+00	0.14481E-01	0.64538E-01
0.70390E+03	0.50162E-01	0.30181E+00	0.15139E-01	0.67470E-01
0.70400E+03	0.52489E-01	0.30189E+00	0.15846E-01	0.70619E-01
0.70410E+03	0.55000E-01	0.30197E+00	0.16608E-01	0.74017E-01
0.70420E+03	0.57656E-01	0.30204E+00	0.17415E-01	0.77610E-01
0.70430E+03	0.60415E-01	0.30212E+00	0.18253E-01	0.81344E-01
0.70440E+03	0.63276E-01	0.30219E+00	0.19122E-01	0.85217E-01
0.70450E+03	0.66228E-01	0.30227E+00	0.20019E-01	0.89214E-01
0.70460E+03	0.69245E-01	0.30234E+00	0.20936E-01	0.93302E-01
0.70470E+03	0.72331E-01	0.30242E+00	0.21874E-01	0.97484E-01
0.70480E+03	0.75531E-01	0.30249E+00	0.22847E-01	0.10182E+00
0.70490E+03	0.78956E-01	0.30257E+00	0.23889E-01	0.10647E+00
0.70500E+03	0.82559E-01	0.30264E+00	0.24986E-01	0.11135E+00
0.70510E+03	0.86360E-01	0.30271E+00	0.26142E-01	0.11650E+00
0.70520E+03	0.90340E-01	0.30277E+00	0.27353E-01	0.12190E+00
0.70530E+03	0.94509E-01	0.30284E+00	0.28621E-01	0.12755E+00
0.70540E+03	0.98847E-01	0.30291E+00	0.29942E-01	0.13344E+00
0.70550E+03	0.10336E+00	0.30298E+00	0.31317E-01	0.13957E+00
0.70560E+03	0.10801E+00	0.30304E+00	0.32732E-01	0.14587E+00
0.70570E+03	0.11280E+00	0.30311E+00	0.34191E-01	0.15237E+00

0.70580E+03	0.11778E+00	0.30317E+00	0.35707E-01	0.15913E+00
0.70590E+03	0.12305E+00	0.30324E+00	0.37313E-01	0.16629E+00
0.70600E+03	0.12855E+00	0.30331E+00	0.38991E-01	0.17376E+00
0.70610E+03	0.13425E+00	0.30338E+00	0.40729E-01	0.18151E+00
0.70620E+03	0.14012E+00	0.30346E+00	0.42522E-01	0.18950E+00
0.70630E+03	0.14620E+00	0.30353E+00	0.44378E-01	0.19777E+00
0.70640E+03	0.15250E+00	0.30361E+00	0.46300E-01	0.20634E+00
0.70650E+03	0.15907E+00	0.30368E+00	0.48306E-01	0.21528E+00
0.70660E+03	0.16590E+00	0.30376E+00	0.50395E-01	0.22459E+00
0.70670E+03	0.17302E+00	0.30383E+00	0.52571E-01	0.23429E+00
0.70680E+03	0.18041E+00	0.30391E+00	0.54828E-01	0.24435E+00
0.70690E+03	0.18804E+00	0.30398E+00	0.57161E-01	0.25474E+00
0.70700E+03	0.19589E+00	0.30406E+00	0.59562E-01	0.26544E+00
0.70710E+03	0.20396E+00	0.30413E+00	0.62030E-01	0.27644E+00
0.70720E+03	0.21229E+00	0.30420E+00	0.64579E-01	0.28780E+00
0.70730E+03	0.22095E+00	0.30427E+00	0.67228E-01	0.29961E+00
0.70740E+03	0.22989E+00	0.30435E+00	0.69968E-01	0.31182E+00
0.70750E+03	0.23911E+00	0.30442E+00	0.72790E-01	0.32440E+00
0.70760E+03	0.24858E+00	0.30449E+00	0.75690E-01	0.33732E+00
0.70770E+03	0.25830E+00	0.30456E+00	0.78669E-01	0.35059E+00
0.70780E+03	0.26825E+00	0.30463E+00	0.81719E-01	0.36419E+00
0.70790E+03	0.27842E+00	0.30471E+00	0.84836E-01	0.37808E+00
0.70800E+03	0.28873E+00	0.30478E+00	0.87998E-01	0.39217E+00
0.70810E+03	0.29917E+00	0.30485E+00	0.91204E-01	0.40646E+00
0.70820E+03	0.30972E+00	0.30493E+00	0.94442E-01	0.42089E+00
0.70830E+03	0.32041E+00	0.30501E+00	0.97726E-01	0.43552E+00
0.70840E+03	0.33119E+00	0.30509E+00	0.10104E+00	0.45030E+00
0.70850E+03	0.34209E+00	0.30516E+00	0.10439E+00	0.46523E+00
0.70860E+03	0.35302E+00	0.30524E+00	0.10776E+00	0.48022E+00
0.70870E+03	0.36401E+00	0.30532E+00	0.11114E+00	0.49529E+00
0.70880E+03	0.37499E+00	0.30539E+00	0.11452E+00	0.51037E+00
0.70890E+03	0.38598E+00	0.30547E+00	0.11791E+00	0.52546E+00
0.70900E+03	0.39697E+00	0.30555E+00	0.12129E+00	0.54056E+00
0.70910E+03	0.40800E+00	0.30562E+00	0.12470E+00	0.55572E+00
0.70920E+03	0.41907E+00	0.30570E+00	0.12811E+00	0.57092E+00
0.70930E+03	0.43022E+00	0.30577E+00	0.13155E+00	0.58626E+00
0.70940E+03	0.44136E+00	0.30585E+00	0.13499E+00	0.60160E+00
0.70950E+03	0.45241E+00	0.30593E+00	0.13840E+00	0.61681E+00
0.70960E+03	0.46332E+00	0.30600E+00	0.14178E+00	0.63183E+00
0.70970E+03	0.47414E+00	0.30608E+00	0.14512E+00	0.64675E+00
0.70980E+03	0.48486E+00	0.30615E+00	0.14844E+00	0.66153E+00
0.70990E+03	0.49547E+00	0.30622E+00	0.15173E+00	0.67618E+00
0.71000E+03	0.50593E+00	0.30629E+00	0.15496E+00	0.69061E+00

0.71010E+03	0.51618E+00	0.30637E+00	0.15814E+00	0.70478E+00
0.71020E+03	0.52618E+00	0.30645E+00	0.16125E+00	0.71862E+00
0.71030E+03	0.53593E+00	0.30653E+00	0.16428E+00	0.73211E+00
0.71040E+03	0.54542E+00	0.30660E+00	0.16723E+00	0.74526E+00
0.71050E+03	0.55474E+00	0.30668E+00	0.17013E+00	0.75819E+00
0.71060E+03	0.56386E+00	0.30676E+00	0.17297E+00	0.77085E+00
0.71070E+03	0.57279E+00	0.30684E+00	0.17575E+00	0.78325E+00
0.71080E+03	0.58144E+00	0.30691E+00	0.17845E+00	0.79528E+00
0.71090E+03	0.58976E+00	0.30699E+00	0.18105E+00	0.80687E+00
0.71100E+03	0.59774E+00	0.30707E+00	0.18355E+00	0.81799E+00
0.71110E+03	0.60541E+00	0.30714E+00	0.18595E+00	0.82869E+00
0.71120E+03	0.61277E+00	0.30722E+00	0.18825E+00	0.83897E+00
0.71130E+03	0.61980E+00	0.30729E+00	0.19046E+00	0.84880E+00
0.71140E+03	0.62650E+00	0.30737E+00	0.19256E+00	0.85818E+00
0.71150E+03	0.63286E+00	0.30744E+00	0.19457E+00	0.86710E+00
0.71160E+03	0.63891E+00	0.30752E+00	0.19648E+00	0.87561E+00
0.71170E+03	0.64474E+00	0.30759E+00	0.19832E+00	0.88381E+00
0.71180E+03	0.65034E+00	0.30767E+00	0.20009E+00	0.89171E+00
0.71190E+03	0.65572E+00	0.30774E+00	0.20179E+00	0.89929E+00
0.71200E+03	0.66087E+00	0.30781E+00	0.20342E+00	0.90656E+00
0.71210E+03	0.66578E+00	0.30789E+00	0.20499E+00	0.91353E+00
0.71220E+03	0.67046E+00	0.30796E+00	0.20648E+00	0.92018E+00
0.71230E+03	0.67495E+00	0.30804E+00	0.20791E+00	0.92658E+00
0.71240E+03	0.67924E+00	0.30812E+00	0.20929E+00	0.93271E+00
0.71250E+03	0.68330E+00	0.30820E+00	0.21059E+00	0.93852E+00
0.71260E+03	0.68710E+00	0.30828E+00	0.21182E+00	0.94398E+00
0.71270E+03	0.69061E+00	0.30836E+00	0.21295E+00	0.94904E+00
0.71280E+03	0.69380E+00	0.30843E+00	0.21399E+00	0.95367E+00
0.71290E+03	0.69667E+00	0.30851E+00	0.21493E+00	0.95786E+00
0.71300E+03	0.69931E+00	0.30859E+00	0.21580E+00	0.96173E+00
0.71310E+03	0.70182E+00	0.30867E+00	0.21663E+00	0.96542E+00
0.71320E+03	0.70420E+00	0.30875E+00	0.21742E+00	0.96894E+00
0.71330E+03	0.70640E+00	0.30882E+00	0.21815E+00	0.97221E+00
0.71340E+03	0.70840E+00	0.30890E+00	0.21883E+00	0.97521E+00
0.71350E+03	0.71024E+00	0.30898E+00	0.21945E+00	0.97799E+00
0.71360E+03	0.71194E+00	0.30905E+00	0.22003E+00	0.98057E+00
0.71370E+03	0.71349E+00	0.30913E+00	0.22056E+00	0.98296E+00
0.71380E+03	0.71494E+00	0.30921E+00	0.22107E+00	0.98521E+00
0.71390E+03	0.71632E+00	0.30929E+00	0.22155E+00	0.98736E+00
0.71400E+03	0.71762E+00	0.30937E+00	0.22201E+00	0.98939E+00
0.71410E+03	0.71875E+00	0.30945E+00	0.22242E+00	0.99122E+00
0.71420E+03	0.71973E+00	0.30954E+00	0.22278E+00	0.99284E+00
0.71430E+03	0.72061E+00	0.30962E+00	0.22312E+00	0.99433E+00

0.71440E+03	0.72143E+00	0.30970E+00	0.22343E+00	0.99573E+00
0.71450E+03	0.72219E+00	0.30979E+00	0.22373E+00	0.99705E+00
0.71460E+03	0.72285E+00	0.30987E+00	0.22399E+00	0.99823E+00
0.71470E+03	0.72331E+00	0.30996E+00	0.22419E+00	0.99914E+00
0.71480E+03	0.72355E+00	0.31004E+00	0.22433E+00	0.99974E+00
0.71490E+03	0.72354E+00	0.31012E+00	0.22439E+00	0.10000E+01
0.71500E+03	0.72331E+00	0.31021E+00	0.22438E+00	0.99995E+00
0.71510E+03	0.72285E+00	0.31029E+00	0.22429E+00	0.99958E+00
0.71520E+03	0.72220E+00	0.31037E+00	0.22415E+00	0.99895E+00
0.71530E+03	0.72140E+00	0.31045E+00	0.22396E+00	0.99810E+00
0.71540E+03	0.72049E+00	0.31054E+00	0.22374E+00	0.99710E+00
0.71550E+03	0.71951E+00	0.31062E+00	0.22349E+00	0.99600E+00
0.71560E+03	0.71851E+00	0.31070E+00	0.22324E+00	0.99489E+00
0.71570E+03	0.71758E+00	0.31078E+00	0.22301E+00	0.99385E+00
0.71580E+03	0.71665E+00	0.31086E+00	0.22278E+00	0.99282E+00
0.71590E+03	0.71568E+00	0.31094E+00	0.22253E+00	0.99173E+00
0.71600E+03	0.71464E+00	0.31102E+00	0.22226E+00	0.99053E+00
0.71610E+03	0.71352E+00	0.31110E+00	0.22197E+00	0.98924E+00
0.71620E+03	0.71233E+00	0.31118E+00	0.22166E+00	0.98785E+00
0.71630E+03	0.71101E+00	0.31126E+00	0.22131E+00	0.98628E+00
0.71640E+03	0.70955E+00	0.31134E+00	0.22091E+00	0.98452E+00
0.71650E+03	0.70793E+00	0.31142E+00	0.22047E+00	0.98253E+00
0.71660E+03	0.70613E+00	0.31151E+00	0.21996E+00	0.98029E+00
0.71670E+03	0.70414E+00	0.31159E+00	0.21940E+00	0.97778E+00
0.71680E+03	0.70203E+00	0.31167E+00	0.21880E+00	0.97510E+00
0.71690E+03	0.69985E+00	0.31175E+00	0.21818E+00	0.97234E+00
0.71700E+03	0.69762E+00	0.31183E+00	0.21754E+00	0.96948E+00
0.71710E+03	0.69530E+00	0.31191E+00	0.21687E+00	0.96650E+00
0.71720E+03	0.69288E+00	0.31199E+00	0.21617E+00	0.96339E+00
0.71730E+03	0.69038E+00	0.31207E+00	0.21545E+00	0.96016E+00
0.71740E+03	0.68778E+00	0.31215E+00	0.21469E+00	0.95679E+00
0.71750E+03	0.68507E+00	0.31223E+00	0.21390E+00	0.95327E+00
0.71760E+03	0.68229E+00	0.31232E+00	0.21309E+00	0.94966E+00
0.71770E+03	0.67945E+00	0.31241E+00	0.21227E+00	0.94600E+00
0.71780E+03	0.67652E+00	0.31251E+00	0.21142E+00	0.94221E+00
0.71790E+03	0.67353E+00	0.31261E+00	0.21055E+00	0.93834E+00
0.71800E+03	0.67046E+00	0.31270E+00	0.20965E+00	0.93434E+00
0.71810E+03	0.66731E+00	0.31280E+00	0.20873E+00	0.93024E+00
0.71820E+03	0.66405E+00	0.31290E+00	0.20778E+00	0.92599E+00
0.71830E+03	0.66063E+00	0.31300E+00	0.20678E+00	0.92151E+00
0.71840E+03	0.65705E+00	0.31310E+00	0.20572E+00	0.91680E+00
0.71850E+03	0.65324E+00	0.31319E+00	0.20459E+00	0.91178E+00
0.71860E+03	0.64925E+00	0.31329E+00	0.20341E+00	0.90649E+00

0.71870E+03	0.64510E+00	0.31339E+00	0.20217E+00	0.90097E+00
0.71880E+03	0.64081E+00	0.31349E+00	0.20088E+00	0.89526E+00
0.71890E+03	0.63639E+00	0.31358E+00	0.19956E+00	0.88936E+00
0.71900E+03	0.63185E+00	0.31368E+00	0.19820E+00	0.88329E+00
0.71910E+03	0.62716E+00	0.31378E+00	0.19679E+00	0.87700E+00
0.71920E+03	0.62233E+00	0.31387E+00	0.19533E+00	0.87052E+00
0.71930E+03	0.61732E+00	0.31397E+00	0.19382E+00	0.86378E+00
0.71940E+03	0.61220E+00	0.31407E+00	0.19227E+00	0.85687E+00
0.71950E+03	0.60698E+00	0.31417E+00	0.19069E+00	0.84984E+00
0.71960E+03	0.60167E+00	0.31429E+00	0.18910E+00	0.84272E+00
0.71970E+03	0.59619E+00	0.31441E+00	0.18745E+00	0.83537E+00
0.71980E+03	0.59055E+00	0.31453E+00	0.18575E+00	0.82779E+00
0.71990E+03	0.58473E+00	0.31465E+00	0.18399E+00	0.81995E+00
0.72000E+03	0.57875E+00	0.31477E+00	0.18217E+00	0.81187E+00
0.72010E+03	0.57254E+00	0.31489E+00	0.18029E+00	0.80346E+00
0.72020E+03	0.56610E+00	0.31501E+00	0.17832E+00	0.79472E+00
0.72030E+03	0.55944E+00	0.31512E+00	0.17629E+00	0.78566E+00
0.72040E+03	0.55259E+00	0.31524E+00	0.17420E+00	0.77633E+00
0.72050E+03	0.54556E+00	0.31536E+00	0.17205E+00	0.76673E+00
0.72060E+03	0.53840E+00	0.31547E+00	0.16985E+00	0.75696E+00
0.72070E+03	0.53118E+00	0.31559E+00	0.16764E+00	0.74708E+00
0.72080E+03	0.52391E+00	0.31571E+00	0.16540E+00	0.73713E+00
0.72090E+03	0.51657E+00	0.31582E+00	0.16314E+00	0.72706E+00
0.72100E+03	0.50910E+00	0.31594E+00	0.16085E+00	0.71682E+00
0.72110E+03	0.50145E+00	0.31606E+00	0.15849E+00	0.70631E+00
0.72120E+03	0.49363E+00	0.31618E+00	0.15608E+00	0.69556E+00
0.72130E+03	0.48564E+00	0.31629E+00	0.15360E+00	0.68454E+00
0.72140E+03	0.47746E+00	0.31641E+00	0.15107E+00	0.67326E+00
0.72150E+03	0.46913E+00	0.31654E+00	0.14850E+00	0.66178E+00
0.72160E+03	0.46065E+00	0.31666E+00	0.14587E+00	0.65008E+00
0.72170E+03	0.45201E+00	0.31679E+00	0.14319E+00	0.63816E+00
0.72180E+03	0.44326E+00	0.31692E+00	0.14048E+00	0.62605E+00
0.72190E+03	0.43431E+00	0.31705E+00	0.13770E+00	0.61367E+00
0.72200E+03	0.42523E+00	0.31718E+00	0.13487E+00	0.60108E+00
0.72210E+03	0.41600E+00	0.31731E+00	0.13200E+00	0.58828E+00
0.72220E+03	0.40669E+00	0.31745E+00	0.12910E+00	0.57536E+00
0.72230E+03	0.39731E+00	0.31758E+00	0.12618E+00	0.56232E+00
0.72240E+03	0.38791E+00	0.31771E+00	0.12324E+00	0.54924E+00
0.72250E+03	0.37845E+00	0.31785E+00	0.12029E+00	0.53607E+00
0.72260E+03	0.36897E+00	0.31798E+00	0.11733E+00	0.52287E+00
0.72270E+03	0.35945E+00	0.31811E+00	0.11434E+00	0.50958E+00
0.72280E+03	0.34992E+00	0.31825E+00	0.11136E+00	0.49629E+00
0.72290E+03	0.34046E+00	0.31838E+00	0.10839E+00	0.48307E+00

0.72300E+03	0.33111E+00	0.31851E+00	0.10546E+00	0.47001E+00
0.72310E+03	0.32188E+00	0.31865E+00	0.10256E+00	0.45709E+00
0.72320E+03	0.31278E+00	0.31878E+00	0.99709E-01	0.44436E+00
0.72330E+03	0.30379E+00	0.31891E+00	0.96884E-01	0.43177E+00
0.72340E+03	0.29490E+00	0.31905E+00	0.94086E-01	0.41930E+00
0.72350E+03	0.28606E+00	0.31919E+00	0.91308E-01	0.40692E+00
0.72360E+03	0.27735E+00	0.31933E+00	0.88565E-01	0.39470E+00
0.72370E+03	0.26875E+00	0.31947E+00	0.85859E-01	0.38264E+00
0.72380E+03	0.26031E+00	0.31961E+00	0.83198E-01	0.37078E+00
0.72390E+03	0.25201E+00	0.31975E+00	0.80581E-01	0.35912E+00
0.72400E+03	0.24389E+00	0.31989E+00	0.78017E-01	0.34769E+00
0.72410E+03	0.23594E+00	0.32004E+00	0.75511E-01	0.33652E+00
0.72420E+03	0.22817E+00	0.32020E+00	0.73059E-01	0.32559E+00
0.72430E+03	0.22053E+00	0.32035E+00	0.70647E-01	0.31484E+00
0.72440E+03	0.21304E+00	0.32050E+00	0.68280E-01	0.30429E+00
0.72450E+03	0.20567E+00	0.32065E+00	0.65948E-01	0.29390E+00
0.72460E+03	0.19841E+00	0.32080E+00	0.63649E-01	0.28366E+00
0.72470E+03	0.19124E+00	0.32095E+00	0.61378E-01	0.27354E+00
0.72480E+03	0.18420E+00	0.32110E+00	0.59147E-01	0.26359E+00
0.72490E+03	0.17730E+00	0.32123E+00	0.56956E-01	0.25383E+00
0.72500E+03	0.17058E+00	0.32137E+00	0.54818E-01	0.24430E+00
0.72510E+03	0.16405E+00	0.32150E+00	0.52740E-01	0.23504E+00
0.72520E+03	0.15771E+00	0.32163E+00	0.50724E-01	0.22606E+00
0.72530E+03	0.15153E+00	0.32177E+00	0.48756E-01	0.21728E+00
0.72540E+03	0.14551E+00	0.32190E+00	0.46839E-01	0.20874E+00
0.72550E+03	0.13968E+00	0.32204E+00	0.44981E-01	0.20046E+00
0.72560E+03	0.13405E+00	0.32217E+00	0.43186E-01	0.19246E+00
0.72570E+03	0.12859E+00	0.32231E+00	0.41447E-01	0.18471E+00
0.72580E+03	0.12331E+00	0.32244E+00	0.39761E-01	0.17720E+00
0.72590E+03	0.11818E+00	0.32258E+00	0.38123E-01	0.16990E+00
0.72600E+03	0.11321E+00	0.32271E+00	0.36535E-01	0.16282E+00
0.72610E+03	0.10839E+00	0.32286E+00	0.34995E-01	0.15596E+00
0.72620E+03	0.10376E+00	0.32301E+00	0.33515E-01	0.14936E+00
0.72630E+03	0.99386E-01	0.32315E+00	0.32117E-01	0.14313E+00
0.72640E+03	0.95253E-01	0.32330E+00	0.30796E-01	0.13724E+00
0.72650E+03	0.91266E-01	0.32345E+00	0.29520E-01	0.13156E+00
0.72660E+03	0.87399E-01	0.32360E+00	0.28282E-01	0.12604E+00
0.72670E+03	0.83683E-01	0.32375E+00	0.27092E-01	0.12074E+00
0.72680E+03	0.80170E-01	0.32390E+00	0.25967E-01	0.11572E+00
0.72690E+03	0.76879E-01	0.32404E+00	0.24912E-01	0.11102E+00
0.72700E+03	0.73797E-01	0.32419E+00	0.23924E-01	0.10662E+00
0.72710E+03	0.70946E-01	0.32434E+00	0.23011E-01	0.10255E+00
0.72720E+03	0.68309E-01	0.32449E+00	0.22166E-01	0.98782E-01

0.72730E+03	0.65818E-01	0.32464E+00	0.21367E-01	0.95224E-01
0.72740E+03	0.63440E-01	0.32479E+00	0.20605E-01	0.91827E-01
0.72750E+03	0.61154E-01	0.32494E+00	0.19872E-01	0.88559E-01
0.72760E+03	0.58945E-01	0.32509E+00	0.19163E-01	0.85399E-01
0.72770E+03	0.56794E-01	0.32524E+00	0.18472E-01	0.82322E-01
0.72780E+03	0.54693E-01	0.32540E+00	0.17797E-01	0.79313E-01
0.72790E+03	0.52665E-01	0.32555E+00	0.17145E-01	0.76408E-01
0.72800E+03	0.50724E-01	0.32570E+00	0.16521E-01	0.73625E-01
0.72810E+03	0.48891E-01	0.32586E+00	0.15932E-01	0.71000E-01
0.72820E+03	0.47136E-01	0.32602E+00	0.15367E-01	0.68486E-01
0.72830E+03	0.45401E-01	0.32618E+00	0.14809E-01	0.65998E-01
0.72840E+03	0.43665E-01	0.32635E+00	0.14250E-01	0.63505E-01
0.72850E+03	0.41922E-01	0.32651E+00	0.13688E-01	0.61001E-01
0.72860E+03	0.40167E-01	0.32667E+00	0.13121E-01	0.58477E-01
0.72870E+03	0.38422E-01	0.32683E+00	0.12557E-01	0.55963E-01
0.72880E+03	0.36713E-01	0.32699E+00	0.12005E-01	0.53500E-01
0.72890E+03	0.35074E-01	0.32715E+00	0.11475E-01	0.51138E-01
0.72900E+03	0.33503E-01	0.32731E+00	0.10966E-01	0.48871E-01
0.72910E+03	0.31979E-01	0.32747E+00	0.10472E-01	0.46671E-01
0.72920E+03	0.30505E-01	0.32763E+00	0.99943E-02	0.44540E-01
0.72930E+03	0.29089E-01	0.32778E+00	0.95349E-02	0.42493E-01
0.72940E+03	0.27742E-01	0.32794E+00	0.90976E-02	0.40544E-01
0.72950E+03	0.26487E-01	0.32809E+00	0.86901E-02	0.38728E-01
0.72960E+03	0.25337E-01	0.32824E+00	0.83167E-02	0.37064E-01
0.72970E+03	0.24321E-01	0.32840E+00	0.79869E-02	0.35594E-01
0.72980E+03	0.23397E-01	0.32855E+00	0.76870E-02	0.34258E-01
0.72990E+03	0.22513E-01	0.32870E+00	0.74001E-02	0.32979E-01
0.73000E+03	0.21685E-01	0.32885E+00	0.71310E-02	0.31780E-01
0.73010E+03	0.20917E-01	0.32903E+00	0.68823E-02	0.30672E-01
0.73020E+03	0.20153E-01	0.32920E+00	0.66344E-02	0.29567E-01
0.73030E+03	0.19390E-01	0.32937E+00	0.63866E-02	0.28463E-01
0.73040E+03	0.18650E-01	0.32954E+00	0.61461E-02	0.27391E-01
0.73050E+03	0.17916E-01	0.32972E+00	0.59071E-02	0.26325E-01
0.73060E+03	0.17197E-01	0.32989E+00	0.56731E-02	0.25283E-01
0.73070E+03	0.16482E-01	0.33006E+00	0.54399E-02	0.24243E-01
0.73080E+03	0.15768E-01	0.33024E+00	0.52072E-02	0.23206E-01
0.73090E+03	0.15081E-01	0.33041E+00	0.49827E-02	0.22206E-01
0.73100E+03	0.14399E-01	0.33058E+00	0.47599E-02	0.21213E-01
0.73110E+03	0.13729E-01	0.33076E+00	0.45408E-02	0.20237E-01
0.73120E+03	0.13072E-01	0.33094E+00	0.43260E-02	0.19279E-01
0.73130E+03	0.12470E-01	0.33112E+00	0.41293E-02	0.18402E-01
0.73140E+03	0.11995E-01	0.33131E+00	0.39741E-02	0.17711E-01
0.73150E+03	0.11590E-01	0.33149E+00	0.38421E-02	0.17123E-01

0.73160E+03	0.11191E-01	0.33167E+00	0.37117E-02	0.16541E-01
0.73170E+03	0.10804E-01	0.33186E+00	0.35854E-02	0.15979E-01
0.73180E+03	0.10418E-01	0.33204E+00	0.34592E-02	0.15416E-01
0.73190E+03	0.10032E-01	0.33222E+00	0.33328E-02	0.14853E-01
0.73200E+03	0.96468E-02	0.33241E+00	0.32067E-02	0.14291E-01
0.73210E+03	0.92653E-02	0.33259E+00	0.30816E-02	0.13733E-01
0.73220E+03	0.89020E-02	0.33278E+00	0.29624E-02	0.13202E-01
0.73230E+03	0.85515E-02	0.33296E+00	0.28474E-02	0.12689E-01
0.73240E+03	0.82066E-02	0.33315E+00	0.27340E-02	0.12184E-01
0.73250E+03	0.78736E-02	0.33334E+00	0.26246E-02	0.11697E-01
0.73260E+03	0.75502E-02	0.33352E+00	0.25182E-02	0.11222E-01
0.73270E+03	0.72608E-02	0.33371E+00	0.24230E-02	0.10798E-01
0.73280E+03	0.69747E-02	0.33390E+00	0.23288E-02	0.10379E-01
0.73290E+03	0.66909E-02	0.33408E+00	0.22353E-02	0.99619E-02
0.73300E+03	0.64100E-02	0.33427E+00	0.21427E-02	0.95489E-02
0.73310E+03	0.61328E-02	0.33448E+00	0.20513E-02	0.91417E-02
0.73320E+03	0.58677E-02	0.33468E+00	0.19638E-02	0.87519E-02
0.73330E+03	0.56047E-02	0.33489E+00	0.18769E-02	0.83648E-02
0.73340E+03	0.53472E-02	0.33509E+00	0.17918E-02	0.79853E-02
0.73350E+03	0.50926E-02	0.33530E+00	0.17075E-02	0.76098E-02
0.73360E+03	0.48381E-02	0.33550E+00	0.16232E-02	0.72340E-02
0.73370E+03	0.45848E-02	0.33571E+00	0.15392E-02	0.68594E-02
0.73380E+03	0.43321E-02	0.33592E+00	0.14552E-02	0.64854E-02
0.73390E+03	0.40803E-02	0.33612E+00	0.13715E-02	0.61122E-02
0.73400E+03	0.38368E-02	0.33633E+00	0.12904E-02	0.57510E-02
0.73410E+03	0.35940E-02	0.33653E+00	0.12095E-02	0.53902E-02
0.73420E+03	0.33530E-02	0.33673E+00	0.11291E-02	0.50317E-02
0.73430E+03	0.31274E-02	0.33693E+00	0.10537E-02	0.46959E-02
0.73440E+03	0.29077E-02	0.33713E+00	0.98027E-03	0.43686E-02
0.73450E+03	0.26934E-02	0.33733E+00	0.90857E-03	0.40491E-02
0.73460E+03	0.24815E-02	0.33752E+00	0.83758E-03	0.37328E-02
0.73470E+03	0.22702E-02	0.33772E+00	0.76670E-03	0.34168E-02
0.73480E+03	0.20588E-02	0.33792E+00	0.69573E-03	0.31006E-02
0.73490E+03	0.18515E-02	0.33812E+00	0.62603E-03	0.27899E-02
0.73500E+03	0.16498E-02	0.33833E+00	0.55817E-03	0.24875E-02
0.73510E+03	0.14511E-02	0.33853E+00	0.49124E-03	0.21892E-02
0.73520E+03	0.12561E-02	0.33874E+00	0.42549E-03	0.18962E-02
0.73530E+03	0.10630E-02	0.33895E+00	0.36031E-03	0.16057E-02
0.73540E+03	0.88090E-03	0.33916E+00	0.29876E-03	0.13315E-02
0.73550E+03	0.72205E-03	0.33936E+00	0.24504E-03	0.10920E-02
0.73560E+03	0.56538E-03	0.33957E+00	0.19199E-03	0.85560E-03
0.73570E+03	0.41927E-03	0.33978E+00	0.14246E-03	0.63488E-03
0.73580E+03	0.27334E-03	0.33999E+00	0.92933E-04	0.41416E-03

0.73590E+03	0.14599E-03	0.34020E+00	0.49665E-04	0.22134E-03
0.73600E+03	0.40867E-04	0.34040E+00	0.13911E-04	0.61997E-04
0.73610E+03	0.00000E+00	0.34060E+00	0.00000E+00	0.00000E+00
Channel 6				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.71350E+03	0.00000E+00	0.30898E+00	0.00000E+00	0.00000E+00
0.71360E+03	0.84668E-04	0.30905E+00	0.26167E-04	0.99643E-04
0.71370E+03	0.17625E-03	0.30913E+00	0.54485E-04	0.20747E-03
0.71380E+03	0.27749E-03	0.30921E+00	0.85804E-04	0.32673E-03
0.71390E+03	0.40216E-03	0.30929E+00	0.12438E-03	0.47365E-03
0.71400E+03	0.52946E-03	0.30937E+00	0.16380E-03	0.62373E-03
0.71410E+03	0.66370E-03	0.30945E+00	0.20538E-03	0.78208E-03
0.71420E+03	0.80284E-03	0.30954E+00	0.24851E-03	0.94629E-03
0.71430E+03	0.94471E-03	0.30962E+00	0.29250E-03	0.11138E-02
0.71440E+03	0.10876E-02	0.30970E+00	0.33683E-03	0.12826E-02
0.71450E+03	0.12373E-02	0.30979E+00	0.38330E-03	0.14596E-02
0.71460E+03	0.13922E-02	0.30987E+00	0.43141E-03	0.16428E-02
0.71470E+03	0.15549E-02	0.30996E+00	0.48193E-03	0.18352E-02
0.71480E+03	0.17249E-02	0.31004E+00	0.53480E-03	0.20365E-02
0.71490E+03	0.18986E-02	0.31012E+00	0.58880E-03	0.22421E-02
0.71500E+03	0.20728E-02	0.31021E+00	0.64301E-03	0.24485E-02
0.71510E+03	0.22475E-02	0.31029E+00	0.69737E-03	0.26555E-02
0.71520E+03	0.24233E-02	0.31037E+00	0.75213E-03	0.28641E-02
0.71530E+03	0.26020E-02	0.31045E+00	0.80780E-03	0.30760E-02
0.71540E+03	0.27841E-02	0.31054E+00	0.86456E-03	0.32922E-02
0.71550E+03	0.29696E-02	0.31062E+00	0.92240E-03	0.35124E-02
0.71560E+03	0.31561E-02	0.31070E+00	0.98060E-03	0.37341E-02
0.71570E+03	0.33663E-02	0.31078E+00	0.10462E-02	0.39837E-02
0.71580E+03	0.35792E-02	0.31086E+00	0.11126E-02	0.42367E-02
0.71590E+03	0.38255E-02	0.31094E+00	0.11895E-02	0.45294E-02
0.71600E+03	0.40754E-02	0.31102E+00	0.12675E-02	0.48265E-02
0.71610E+03	0.43256E-02	0.31110E+00	0.13457E-02	0.51242E-02
0.71620E+03	0.45805E-02	0.31118E+00	0.14254E-02	0.54277E-02
0.71630E+03	0.48431E-02	0.31126E+00	0.15075E-02	0.57403E-02
0.71640E+03	0.51153E-02	0.31134E+00	0.15926E-02	0.60646E-02
0.71650E+03	0.53884E-02	0.31142E+00	0.16781E-02	0.63899E-02
0.71660E+03	0.56641E-02	0.31151E+00	0.17644E-02	0.67187E-02
0.71670E+03	0.59435E-02	0.31159E+00	0.18519E-02	0.70519E-02
0.71680E+03	0.62426E-02	0.31167E+00	0.19456E-02	0.74088E-02
0.71690E+03	0.65455E-02	0.31175E+00	0.20406E-02	0.77703E-02

0.71700E+03	0.68754E-02	0.31183E+00	0.21440E-02	0.81641E-02
0.71710E+03	0.72176E-02	0.31191E+00	0.22513E-02	0.85727E-02
0.71720E+03	0.75666E-02	0.31199E+00	0.23607E-02	0.89895E-02
0.71730E+03	0.79189E-02	0.31207E+00	0.24713E-02	0.94104E-02
0.71740E+03	0.82761E-02	0.31215E+00	0.25834E-02	0.98374E-02
0.71750E+03	0.86536E-02	0.31223E+00	0.27019E-02	0.10289E-01
0.71760E+03	0.90409E-02	0.31232E+00	0.28236E-02	0.10752E-01
0.71770E+03	0.94423E-02	0.31241E+00	0.29499E-02	0.11233E-01
0.71780E+03	0.98465E-02	0.31251E+00	0.30772E-02	0.11718E-01
0.71790E+03	0.10280E-01	0.31261E+00	0.32135E-02	0.12237E-01
0.71800E+03	0.10717E-01	0.31270E+00	0.33513E-02	0.12761E-01
0.71810E+03	0.11156E-01	0.31280E+00	0.34895E-02	0.13288E-01
0.71820E+03	0.11608E-01	0.31290E+00	0.36321E-02	0.13831E-01
0.71830E+03	0.12090E-01	0.31300E+00	0.37841E-02	0.14410E-01
0.71840E+03	0.12683E-01	0.31310E+00	0.39710E-02	0.15121E-01
0.71850E+03	0.13483E-01	0.31319E+00	0.42228E-02	0.16080E-01
0.71860E+03	0.14326E-01	0.31329E+00	0.44883E-02	0.17091E-01
0.71870E+03	0.15173E-01	0.31339E+00	0.47551E-02	0.18107E-01
0.71880E+03	0.16034E-01	0.31349E+00	0.50263E-02	0.19140E-01
0.71890E+03	0.16910E-01	0.31358E+00	0.53026E-02	0.20192E-01
0.71900E+03	0.17786E-01	0.31368E+00	0.55793E-02	0.21245E-01
0.71910E+03	0.18663E-01	0.31378E+00	0.58562E-02	0.22300E-01
0.71920E+03	0.19564E-01	0.31387E+00	0.61407E-02	0.23383E-01
0.71930E+03	0.20531E-01	0.31397E+00	0.64463E-02	0.24547E-01
0.71940E+03	0.21510E-01	0.31407E+00	0.67556E-02	0.25725E-01
0.71950E+03	0.22505E-01	0.31417E+00	0.70702E-02	0.26923E-01
0.71960E+03	0.23527E-01	0.31429E+00	0.73942E-02	0.28157E-01
0.71970E+03	0.24648E-01	0.31441E+00	0.77495E-02	0.29510E-01
0.71980E+03	0.25826E-01	0.31453E+00	0.81229E-02	0.30932E-01
0.71990E+03	0.27082E-01	0.31465E+00	0.85213E-02	0.32449E-01
0.72000E+03	0.28493E-01	0.31477E+00	0.89688E-02	0.34152E-01
0.72010E+03	0.30103E-01	0.31489E+00	0.94791E-02	0.36095E-01
0.72020E+03	0.31867E-01	0.31501E+00	0.10038E-01	0.38225E-01
0.72030E+03	0.33779E-01	0.31512E+00	0.10644E-01	0.40533E-01
0.72040E+03	0.35788E-01	0.31524E+00	0.11282E-01	0.42960E-01
0.72050E+03	0.37905E-01	0.31536E+00	0.11953E-01	0.45518E-01
0.72060E+03	0.40195E-01	0.31547E+00	0.12681E-01	0.48286E-01
0.72070E+03	0.42687E-01	0.31559E+00	0.13472E-01	0.51299E-01
0.72080E+03	0.45354E-01	0.31571E+00	0.14319E-01	0.54524E-01
0.72090E+03	0.48195E-01	0.31582E+00	0.15221E-01	0.57961E-01
0.72100E+03	0.51250E-01	0.31594E+00	0.16192E-01	0.61657E-01
0.72110E+03	0.54507E-01	0.31606E+00	0.17227E-01	0.65601E-01
0.72120E+03	0.58012E-01	0.31618E+00	0.18342E-01	0.69845E-01

0.72130E+03	0.61888E-01	0.31629E+00	0.19575E-01	0.74539E-01
0.72140E+03	0.66029E-01	0.31641E+00	0.20892E-01	0.79556E-01
0.72150E+03	0.70326E-01	0.31654E+00	0.22261E-01	0.84767E-01
0.72160E+03	0.74831E-01	0.31666E+00	0.23696E-01	0.90234E-01
0.72170E+03	0.79559E-01	0.31679E+00	0.25204E-01	0.95975E-01
0.72180E+03	0.84571E-01	0.31692E+00	0.26803E-01	0.10206E+00
0.72190E+03	0.89919E-01	0.31705E+00	0.28509E-01	0.10856E+00
0.72200E+03	0.95671E-01	0.31718E+00	0.30345E-01	0.11555E+00
0.72210E+03	0.10189E+00	0.31731E+00	0.32331E-01	0.12311E+00
0.72220E+03	0.10849E+00	0.31745E+00	0.34439E-01	0.13114E+00
0.72230E+03	0.11540E+00	0.31758E+00	0.36648E-01	0.13955E+00
0.72240E+03	0.12270E+00	0.31771E+00	0.38983E-01	0.14845E+00
0.72250E+03	0.13044E+00	0.31785E+00	0.41461E-01	0.15788E+00
0.72260E+03	0.13865E+00	0.31798E+00	0.44087E-01	0.16788E+00
0.72270E+03	0.14727E+00	0.31811E+00	0.46848E-01	0.17839E+00
0.72280E+03	0.15635E+00	0.31825E+00	0.49757E-01	0.18947E+00
0.72290E+03	0.16584E+00	0.31838E+00	0.52801E-01	0.20106E+00
0.72300E+03	0.17580E+00	0.31851E+00	0.55993E-01	0.21322E+00
0.72310E+03	0.18617E+00	0.31865E+00	0.59321E-01	0.22589E+00
0.72320E+03	0.19705E+00	0.31878E+00	0.62815E-01	0.23919E+00
0.72330E+03	0.20847E+00	0.31891E+00	0.66484E-01	0.25317E+00
0.72340E+03	0.22043E+00	0.31905E+00	0.70329E-01	0.26781E+00
0.72350E+03	0.23289E+00	0.31919E+00	0.74336E-01	0.28306E+00
0.72360E+03	0.24579E+00	0.31933E+00	0.78487E-01	0.29887E+00
0.72370E+03	0.25893E+00	0.31947E+00	0.82719E-01	0.31499E+00
0.72380E+03	0.27239E+00	0.31961E+00	0.87059E-01	0.33151E+00
0.72390E+03	0.28625E+00	0.31975E+00	0.91530E-01	0.34854E+00
0.72400E+03	0.30052E+00	0.31989E+00	0.96135E-01	0.36607E+00
0.72410E+03	0.31504E+00	0.32004E+00	0.10083E+00	0.38395E+00
0.72420E+03	0.32981E+00	0.32020E+00	0.10560E+00	0.40213E+00
0.72430E+03	0.34473E+00	0.32035E+00	0.11043E+00	0.42052E+00
0.72440E+03	0.35980E+00	0.32050E+00	0.11532E+00	0.43911E+00
0.72450E+03	0.37492E+00	0.32065E+00	0.12022E+00	0.45778E+00
0.72460E+03	0.39008E+00	0.32080E+00	0.12514E+00	0.47651E+00
0.72470E+03	0.40522E+00	0.32095E+00	0.13005E+00	0.49524E+00
0.72480E+03	0.42038E+00	0.32110E+00	0.13498E+00	0.51401E+00
0.72490E+03	0.43545E+00	0.32123E+00	0.13988E+00	0.53266E+00
0.72500E+03	0.45037E+00	0.32137E+00	0.14473E+00	0.55114E+00
0.72510E+03	0.46509E+00	0.32150E+00	0.14953E+00	0.56938E+00
0.72520E+03	0.47962E+00	0.32163E+00	0.15426E+00	0.58742E+00
0.72530E+03	0.49387E+00	0.32177E+00	0.15891E+00	0.60511E+00
0.72540E+03	0.50781E+00	0.32190E+00	0.16346E+00	0.62246E+00
0.72550E+03	0.52134E+00	0.32204E+00	0.16789E+00	0.63931E+00

0.72560E+03	0.53446E+00	0.32217E+00	0.17219E+00	0.65568E+00
0.72570E+03	0.54709E+00	0.32231E+00	0.17633E+00	0.67145E+00
0.72580E+03	0.55929E+00	0.32244E+00	0.18034E+00	0.68671E+00
0.72590E+03	0.57107E+00	0.32258E+00	0.18421E+00	0.70147E+00
0.72600E+03	0.58252E+00	0.32271E+00	0.18799E+00	0.71584E+00
0.72610E+03	0.59362E+00	0.32286E+00	0.19165E+00	0.72981E+00
0.72620E+03	0.60433E+00	0.32301E+00	0.19520E+00	0.74331E+00
0.72630E+03	0.61458E+00	0.32315E+00	0.19860E+00	0.75626E+00
0.72640E+03	0.62439E+00	0.32330E+00	0.20187E+00	0.76870E+00
0.72650E+03	0.63371E+00	0.32345E+00	0.20497E+00	0.78052E+00
0.72660E+03	0.64258E+00	0.32360E+00	0.20794E+00	0.79182E+00
0.72670E+03	0.65098E+00	0.32375E+00	0.21075E+00	0.80253E+00
0.72680E+03	0.65896E+00	0.32390E+00	0.21343E+00	0.81274E+00
0.72690E+03	0.66652E+00	0.32404E+00	0.21598E+00	0.82245E+00
0.72700E+03	0.67367E+00	0.32419E+00	0.21840E+00	0.83164E+00
0.72710E+03	0.68021E+00	0.32434E+00	0.22062E+00	0.84010E+00
0.72720E+03	0.68624E+00	0.32449E+00	0.22268E+00	0.84794E+00
0.72730E+03	0.69179E+00	0.32464E+00	0.22458E+00	0.85520E+00
0.72740E+03	0.69707E+00	0.32479E+00	0.22640E+00	0.86213E+00
0.72750E+03	0.70211E+00	0.32494E+00	0.22815E+00	0.86876E+00
0.72760E+03	0.70682E+00	0.32509E+00	0.22978E+00	0.87500E+00
0.72770E+03	0.71104E+00	0.32524E+00	0.23126E+00	0.88063E+00
0.72780E+03	0.71494E+00	0.32540E+00	0.23264E+00	0.88586E+00
0.72790E+03	0.71852E+00	0.32555E+00	0.23391E+00	0.89072E+00
0.72800E+03	0.72190E+00	0.32570E+00	0.23512E+00	0.89532E+00
0.72810E+03	0.72512E+00	0.32586E+00	0.23629E+00	0.89977E+00
0.72820E+03	0.72826E+00	0.32602E+00	0.23743E+00	0.90411E+00
0.72830E+03	0.73134E+00	0.32618E+00	0.23855E+00	0.90839E+00
0.72840E+03	0.73433E+00	0.32635E+00	0.23965E+00	0.91255E+00
0.72850E+03	0.73704E+00	0.32651E+00	0.24065E+00	0.91638E+00
0.72860E+03	0.73964E+00	0.32667E+00	0.24162E+00	0.92007E+00
0.72870E+03	0.74217E+00	0.32683E+00	0.24256E+00	0.92366E+00
0.72880E+03	0.74461E+00	0.32699E+00	0.24348E+00	0.92716E+00
0.72890E+03	0.74691E+00	0.32715E+00	0.24435E+00	0.93048E+00
0.72900E+03	0.74910E+00	0.32731E+00	0.24519E+00	0.93367E+00
0.72910E+03	0.75113E+00	0.32747E+00	0.24598E+00	0.93666E+00
0.72920E+03	0.75308E+00	0.32763E+00	0.24673E+00	0.93954E+00
0.72930E+03	0.75494E+00	0.32778E+00	0.24746E+00	0.94229E+00
0.72940E+03	0.75680E+00	0.32794E+00	0.24818E+00	0.94506E+00
0.72950E+03	0.75871E+00	0.32809E+00	0.24893E+00	0.94789E+00
0.72960E+03	0.76063E+00	0.32824E+00	0.24967E+00	0.95073E+00
0.72970E+03	0.76257E+00	0.32840E+00	0.25042E+00	0.95360E+00
0.72980E+03	0.76449E+00	0.32855E+00	0.25117E+00	0.95644E+00

0.72990E+03	0.76625E+00	0.32870E+00	0.25187E+00	0.95909E+00
0.73000E+03	0.76790E+00	0.32885E+00	0.25253E+00	0.96160E+00
0.73010E+03	0.76944E+00	0.32903E+00	0.25317E+00	0.96404E+00
0.73020E+03	0.77092E+00	0.32920E+00	0.25379E+00	0.96640E+00
0.73030E+03	0.77233E+00	0.32937E+00	0.25439E+00	0.96868E+00
0.73040E+03	0.77371E+00	0.32954E+00	0.25497E+00	0.97091E+00
0.73050E+03	0.77504E+00	0.32972E+00	0.25554E+00	0.97309E+00
0.73060E+03	0.77627E+00	0.32989E+00	0.25608E+00	0.97515E+00
0.73070E+03	0.77738E+00	0.33006E+00	0.25658E+00	0.97705E+00
0.73080E+03	0.77846E+00	0.33024E+00	0.25707E+00	0.97892E+00
0.73090E+03	0.77952E+00	0.33041E+00	0.25756E+00	0.98077E+00
0.73100E+03	0.78047E+00	0.33058E+00	0.25801E+00	0.98248E+00
0.73110E+03	0.78126E+00	0.33076E+00	0.25841E+00	0.98400E+00
0.73120E+03	0.78183E+00	0.33094E+00	0.25874E+00	0.98526E+00
0.73130E+03	0.78205E+00	0.33112E+00	0.25895E+00	0.98608E+00
0.73140E+03	0.78207E+00	0.33131E+00	0.25911E+00	0.98666E+00
0.73150E+03	0.78212E+00	0.33149E+00	0.25926E+00	0.98726E+00
0.73160E+03	0.78218E+00	0.33167E+00	0.25943E+00	0.98788E+00
0.73170E+03	0.78215E+00	0.33186E+00	0.25956E+00	0.98839E+00
0.73180E+03	0.78207E+00	0.33204E+00	0.25968E+00	0.98883E+00
0.73190E+03	0.78203E+00	0.33222E+00	0.25981E+00	0.98933E+00
0.73200E+03	0.78199E+00	0.33241E+00	0.25994E+00	0.98982E+00
0.73210E+03	0.78190E+00	0.33259E+00	0.26005E+00	0.99026E+00
0.73220E+03	0.78183E+00	0.33278E+00	0.26018E+00	0.99073E+00
0.73230E+03	0.78177E+00	0.33296E+00	0.26030E+00	0.99121E+00
0.73240E+03	0.78168E+00	0.33315E+00	0.26042E+00	0.99166E+00
0.73250E+03	0.78149E+00	0.33334E+00	0.26050E+00	0.99197E+00
0.73260E+03	0.78124E+00	0.33352E+00	0.26056E+00	0.99220E+00
0.73270E+03	0.78096E+00	0.33371E+00	0.26062E+00	0.99241E+00
0.73280E+03	0.78071E+00	0.33390E+00	0.26068E+00	0.99264E+00
0.73290E+03	0.78052E+00	0.33408E+00	0.26076E+00	0.99294E+00
0.73300E+03	0.78038E+00	0.33427E+00	0.26086E+00	0.99333E+00
0.73310E+03	0.78032E+00	0.33448E+00	0.26100E+00	0.99386E+00
0.73320E+03	0.78031E+00	0.33468E+00	0.26115E+00	0.99445E+00
0.73330E+03	0.78030E+00	0.33489E+00	0.26131E+00	0.99506E+00
0.73340E+03	0.78022E+00	0.33509E+00	0.26145E+00	0.99557E+00
0.73350E+03	0.77996E+00	0.33530E+00	0.26152E+00	0.99584E+00
0.73360E+03	0.77964E+00	0.33550E+00	0.26157E+00	0.99605E+00
0.73370E+03	0.77938E+00	0.33571E+00	0.26165E+00	0.99633E+00
0.73380E+03	0.77913E+00	0.33592E+00	0.26172E+00	0.99662E+00
0.73390E+03	0.77882E+00	0.33612E+00	0.26178E+00	0.99683E+00
0.73400E+03	0.77844E+00	0.33633E+00	0.26181E+00	0.99696E+00
0.73410E+03	0.77793E+00	0.33653E+00	0.26180E+00	0.99690E+00

0.73420E+03	0.77737E+00	0.33673E+00	0.26176E+00	0.99677E+00
0.73430E+03	0.77695E+00	0.33693E+00	0.26177E+00	0.99682E+00
0.73440E+03	0.77659E+00	0.33713E+00	0.26181E+00	0.99695E+00
0.73450E+03	0.77625E+00	0.33733E+00	0.26185E+00	0.99710E+00
0.73460E+03	0.77589E+00	0.33752E+00	0.26188E+00	0.99723E+00
0.73470E+03	0.77548E+00	0.33772E+00	0.26190E+00	0.99729E+00
0.73480E+03	0.77500E+00	0.33792E+00	0.26189E+00	0.99726E+00
0.73490E+03	0.77438E+00	0.33812E+00	0.26183E+00	0.99704E+00
0.73500E+03	0.77378E+00	0.33833E+00	0.26179E+00	0.99687E+00
0.73510E+03	0.77337E+00	0.33853E+00	0.26181E+00	0.99695E+00
0.73520E+03	0.77296E+00	0.33874E+00	0.26183E+00	0.99704E+00
0.73530E+03	0.77235E+00	0.33895E+00	0.26179E+00	0.99686E+00
0.73540E+03	0.77172E+00	0.33916E+00	0.26174E+00	0.99667E+00
0.73550E+03	0.77126E+00	0.33936E+00	0.26174E+00	0.99668E+00
0.73560E+03	0.77093E+00	0.33957E+00	0.26178E+00	0.99686E+00
0.73570E+03	0.77066E+00	0.33978E+00	0.26186E+00	0.99713E+00
0.73580E+03	0.77045E+00	0.33999E+00	0.26194E+00	0.99746E+00
0.73590E+03	0.77028E+00	0.34020E+00	0.26205E+00	0.99785E+00
0.73600E+03	0.77011E+00	0.34040E+00	0.26215E+00	0.99824E+00
0.73610E+03	0.76983E+00	0.34060E+00	0.26220E+00	0.99845E+00
0.73620E+03	0.76953E+00	0.34080E+00	0.26225E+00	0.99863E+00
0.73630E+03	0.76932E+00	0.34099E+00	0.26233E+00	0.99893E+00
0.73640E+03	0.76916E+00	0.34119E+00	0.26243E+00	0.99930E+00
0.73650E+03	0.76893E+00	0.34138E+00	0.26250E+00	0.99958E+00
0.73660E+03	0.76865E+00	0.34158E+00	0.26256E+00	0.99980E+00
0.73670E+03	0.76832E+00	0.34178E+00	0.26259E+00	0.99994E+00
0.73680E+03	0.76792E+00	0.34197E+00	0.26261E+00	0.10000E+01
0.73690E+03	0.76743E+00	0.34217E+00	0.26259E+00	0.99994E+00
0.73700E+03	0.76688E+00	0.34237E+00	0.26256E+00	0.99980E+00
0.73710E+03	0.76619E+00	0.34257E+00	0.26248E+00	0.99949E+00
0.73720E+03	0.76549E+00	0.34277E+00	0.26239E+00	0.99916E+00
0.73730E+03	0.76486E+00	0.34297E+00	0.26233E+00	0.99892E+00
0.73740E+03	0.76419E+00	0.34317E+00	0.26225E+00	0.99863E+00
0.73750E+03	0.76335E+00	0.34337E+00	0.26212E+00	0.99812E+00
0.73760E+03	0.76239E+00	0.34357E+00	0.26194E+00	0.99743E+00
0.73770E+03	0.76123E+00	0.34378E+00	0.26169E+00	0.99650E+00
0.73780E+03	0.76003E+00	0.34398E+00	0.26143E+00	0.99552E+00
0.73790E+03	0.75881E+00	0.34418E+00	0.26117E+00	0.99450E+00
0.73800E+03	0.75747E+00	0.34438E+00	0.26086E+00	0.99333E+00
0.73810E+03	0.75595E+00	0.34457E+00	0.26048E+00	0.99187E+00
0.73820E+03	0.75421E+00	0.34475E+00	0.26002E+00	0.99012E+00
0.73830E+03	0.75204E+00	0.34494E+00	0.25941E+00	0.98781E+00
0.73840E+03	0.74947E+00	0.34513E+00	0.25866E+00	0.98498E+00

0.73850E+03	0.74642E+00	0.34532E+00	0.25775E+00	0.98150E+00
0.73860E+03	0.74302E+00	0.34550E+00	0.25671E+00	0.97755E+00
0.73870E+03	0.73928E+00	0.34569E+00	0.25556E+00	0.97317E+00
0.73880E+03	0.73516E+00	0.34588E+00	0.25428E+00	0.96827E+00
0.73890E+03	0.73052E+00	0.34607E+00	0.25281E+00	0.96269E+00
0.73900E+03	0.72549E+00	0.34626E+00	0.25121E+00	0.95659E+00
0.73910E+03	0.72005E+00	0.34646E+00	0.24947E+00	0.94995E+00
0.73920E+03	0.71414E+00	0.34665E+00	0.24755E+00	0.94267E+00
0.73930E+03	0.70769E+00	0.34684E+00	0.24546E+00	0.93468E+00
0.73940E+03	0.70075E+00	0.34703E+00	0.24318E+00	0.92603E+00
0.73950E+03	0.69320E+00	0.34723E+00	0.24070E+00	0.91656E+00
0.73960E+03	0.68505E+00	0.34742E+00	0.23800E+00	0.90628E+00
0.73970E+03	0.67620E+00	0.34761E+00	0.23506E+00	0.89508E+00
0.73980E+03	0.66679E+00	0.34781E+00	0.23191E+00	0.88311E+00
0.73990E+03	0.65677E+00	0.34800E+00	0.22856E+00	0.87032E+00
0.74000E+03	0.64611E+00	0.34819E+00	0.22497E+00	0.85667E+00
0.74010E+03	0.63472E+00	0.34837E+00	0.22112E+00	0.84200E+00
0.74020E+03	0.62277E+00	0.34855E+00	0.21707E+00	0.82657E+00
0.74030E+03	0.61023E+00	0.34873E+00	0.21280E+00	0.81034E+00
0.74040E+03	0.59724E+00	0.34890E+00	0.20838E+00	0.79349E+00
0.74050E+03	0.58387E+00	0.34908E+00	0.20382E+00	0.77613E+00
0.74060E+03	0.57017E+00	0.34926E+00	0.19914E+00	0.75830E+00
0.74070E+03	0.55614E+00	0.34944E+00	0.19434E+00	0.74001E+00
0.74080E+03	0.54182E+00	0.34962E+00	0.18943E+00	0.72134E+00
0.74090E+03	0.52718E+00	0.34980E+00	0.18441E+00	0.70221E+00
0.74100E+03	0.51221E+00	0.34999E+00	0.17927E+00	0.68264E+00
0.74110E+03	0.49688E+00	0.35017E+00	0.17399E+00	0.66255E+00
0.74120E+03	0.48130E+00	0.35036E+00	0.16863E+00	0.64212E+00
0.74130E+03	0.46558E+00	0.35054E+00	0.16321E+00	0.62148E+00
0.74140E+03	0.44978E+00	0.35073E+00	0.15775E+00	0.60071E+00
0.74150E+03	0.43385E+00	0.35092E+00	0.15225E+00	0.57974E+00
0.74160E+03	0.41788E+00	0.35110E+00	0.14672E+00	0.55870E+00
0.74170E+03	0.40183E+00	0.35129E+00	0.14116E+00	0.53752E+00
0.74180E+03	0.38576E+00	0.35147E+00	0.13559E+00	0.51630E+00
0.74190E+03	0.36975E+00	0.35166E+00	0.13003E+00	0.49513E+00
0.74200E+03	0.35393E+00	0.35185E+00	0.12453E+00	0.47420E+00
0.74210E+03	0.33836E+00	0.35202E+00	0.11911E+00	0.45356E+00
0.74220E+03	0.32311E+00	0.35220E+00	0.11380E+00	0.43334E+00
0.74230E+03	0.30810E+00	0.35237E+00	0.10857E+00	0.41342E+00
0.74240E+03	0.29341E+00	0.35255E+00	0.10344E+00	0.39390E+00
0.74250E+03	0.27904E+00	0.35273E+00	0.98424E-01	0.37479E+00
0.74260E+03	0.26509E+00	0.35290E+00	0.93549E-01	0.35623E+00
0.74270E+03	0.25154E+00	0.35308E+00	0.88812E-01	0.33819E+00

0.74280E+03	0.23855E+00	0.35325E+00	0.84267E-01	0.32088E+00
0.74290E+03	0.22620E+00	0.35342E+00	0.79943E-01	0.30442E+00
0.74300E+03	0.21446E+00	0.35359E+00	0.75832E-01	0.28876E+00
0.74310E+03	0.20325E+00	0.35376E+00	0.71902E-01	0.27380E+00
0.74320E+03	0.19258E+00	0.35394E+00	0.68161E-01	0.25955E+00
0.74330E+03	0.18241E+00	0.35411E+00	0.64595E-01	0.24597E+00
0.74340E+03	0.17271E+00	0.35428E+00	0.61188E-01	0.23300E+00
0.74350E+03	0.16334E+00	0.35446E+00	0.57896E-01	0.22046E+00
0.74360E+03	0.15432E+00	0.35463E+00	0.54727E-01	0.20839E+00
0.74370E+03	0.14560E+00	0.35480E+00	0.51661E-01	0.19672E+00
0.74380E+03	0.13720E+00	0.35498E+00	0.48704E-01	0.18546E+00
0.74390E+03	0.12907E+00	0.35515E+00	0.45841E-01	0.17456E+00
0.74400E+03	0.12133E+00	0.35532E+00	0.43111E-01	0.16416E+00
0.74410E+03	0.11398E+00	0.35549E+00	0.40517E-01	0.15429E+00
0.74420E+03	0.10704E+00	0.35566E+00	0.38070E-01	0.14497E+00
0.74430E+03	0.10061E+00	0.35582E+00	0.35798E-01	0.13632E+00
0.74440E+03	0.94610E-01	0.35599E+00	0.33680E-01	0.12825E+00
0.74450E+03	0.89034E-01	0.35615E+00	0.31710E-01	0.12075E+00
0.74460E+03	0.83846E-01	0.35632E+00	0.29876E-01	0.11377E+00
0.74470E+03	0.78950E-01	0.35650E+00	0.28146E-01	0.10718E+00
0.74480E+03	0.74400E-01	0.35668E+00	0.26537E-01	0.10105E+00
0.74490E+03	0.70176E-01	0.35686E+00	0.25043E-01	0.95364E-01
0.74500E+03	0.66228E-01	0.35705E+00	0.23646E-01	0.90043E-01
0.74510E+03	0.62500E-01	0.35723E+00	0.22327E-01	0.85018E-01
0.74520E+03	0.59014E-01	0.35741E+00	0.21092E-01	0.80317E-01
0.74530E+03	0.55865E-01	0.35759E+00	0.19977E-01	0.76070E-01
0.74540E+03	0.53070E-01	0.35777E+00	0.18987E-01	0.72301E-01
0.74550E+03	0.50569E-01	0.35796E+00	0.18101E-01	0.68929E-01
0.74560E+03	0.48272E-01	0.35814E+00	0.17288E-01	0.65831E-01
0.74570E+03	0.46117E-01	0.35832E+00	0.16525E-01	0.62926E-01
0.74580E+03	0.43964E-01	0.35850E+00	0.15761E-01	0.60018E-01
0.74590E+03	0.41850E-01	0.35869E+00	0.15011E-01	0.57161E-01
0.74600E+03	0.39744E-01	0.35887E+00	0.14263E-01	0.54312E-01
0.74610E+03	0.37740E-01	0.35905E+00	0.13550E-01	0.51599E-01
0.74620E+03	0.35839E-01	0.35923E+00	0.12874E-01	0.49024E-01
0.74630E+03	0.34036E-01	0.35941E+00	0.12233E-01	0.46582E-01
0.74640E+03	0.32357E-01	0.35959E+00	0.11635E-01	0.44306E-01
0.74650E+03	0.30852E-01	0.35977E+00	0.11099E-01	0.42266E-01
0.74660E+03	0.29434E-01	0.35995E+00	0.10595E-01	0.40344E-01
0.74670E+03	0.28025E-01	0.36013E+00	0.10093E-01	0.38432E-01
0.74680E+03	0.26657E-01	0.36031E+00	0.96049E-02	0.36575E-01
0.74690E+03	0.25411E-01	0.36050E+00	0.91607E-02	0.34883E-01
0.74700E+03	0.24232E-01	0.36068E+00	0.87399E-02	0.33281E-01

0.74710E+03	0.23054E-01	0.36087E+00	0.83192E-02	0.31679E-01
0.74720E+03	0.21901E-01	0.36105E+00	0.79074E-02	0.30111E-01
0.74730E+03	0.20786E-01	0.36123E+00	0.75086E-02	0.28592E-01
0.74740E+03	0.19710E-01	0.36142E+00	0.71236E-02	0.27126E-01
0.74750E+03	0.18719E-01	0.36160E+00	0.67689E-02	0.25775E-01
0.74760E+03	0.17765E-01	0.36179E+00	0.64271E-02	0.24474E-01
0.74770E+03	0.16821E-01	0.36197E+00	0.60886E-02	0.23185E-01
0.74780E+03	0.15926E-01	0.36215E+00	0.57675E-02	0.21962E-01
0.74790E+03	0.15152E-01	0.36234E+00	0.54901E-02	0.20906E-01
0.74800E+03	0.14471E-01	0.36252E+00	0.52460E-02	0.19976E-01
0.74810E+03	0.13836E-01	0.36270E+00	0.50182E-02	0.19109E-01
0.74820E+03	0.13208E-01	0.36288E+00	0.47931E-02	0.18252E-01
0.74830E+03	0.12583E-01	0.36306E+00	0.45683E-02	0.17396E-01
0.74840E+03	0.11959E-01	0.36325E+00	0.43440E-02	0.16542E-01
0.74850E+03	0.11342E-01	0.36343E+00	0.41220E-02	0.15696E-01
0.74860E+03	0.10727E-01	0.36361E+00	0.39006E-02	0.14853E-01
0.74870E+03	0.10122E-01	0.36380E+00	0.36824E-02	0.14022E-01
0.74880E+03	0.95332E-02	0.36398E+00	0.34699E-02	0.13213E-01
0.74890E+03	0.89453E-02	0.36417E+00	0.32576E-02	0.12405E-01
0.74900E+03	0.83650E-02	0.36435E+00	0.30478E-02	0.11606E-01
0.74910E+03	0.78199E-02	0.36454E+00	0.28506E-02	0.10855E-01
0.74920E+03	0.72754E-02	0.36472E+00	0.26535E-02	0.10104E-01
0.74930E+03	0.67400E-02	0.36491E+00	0.24595E-02	0.93655E-02
0.74940E+03	0.62082E-02	0.36509E+00	0.22665E-02	0.86308E-02
0.74950E+03	0.56797E-02	0.36527E+00	0.20747E-02	0.79002E-02
0.74960E+03	0.51797E-02	0.36546E+00	0.18930E-02	0.72083E-02
0.74970E+03	0.46913E-02	0.36564E+00	0.17153E-02	0.65319E-02
0.74980E+03	0.42038E-02	0.36583E+00	0.15379E-02	0.58560E-02
0.74990E+03	0.37313E-02	0.36601E+00	0.13657E-02	0.52004E-02
0.75000E+03	0.32634E-02	0.36620E+00	0.11950E-02	0.45506E-02
0.75010E+03	0.28028E-02	0.36638E+00	0.10269E-02	0.39103E-02
0.75020E+03	0.23522E-02	0.36656E+00	0.86223E-03	0.32833E-02
0.75030E+03	0.19051E-02	0.36674E+00	0.69868E-03	0.26605E-02
0.75040E+03	0.14673E-02	0.36692E+00	0.53838E-03	0.20501E-02
0.75050E+03	0.10416E-02	0.36710E+00	0.38236E-03	0.14560E-02
0.75060E+03	0.61758E-03	0.36728E+00	0.22683E-03	0.86374E-03
0.75070E+03	0.19795E-03	0.36746E+00	0.72738E-04	0.27698E-03
0.75080E+03	0.00000E+00	0.36764E+00	0.00000E+00	0.00000E+00
Channel 7				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4

0.72910E+03	0.00000E+00	0.32747E+00	0.00000E+00	0.00000E+00
0.72920E+03	0.75515E-04	0.32763E+00	0.24741E-04	0.80838E-04
0.72930E+03	0.21436E-03	0.32778E+00	0.70263E-04	0.22957E-03
0.72940E+03	0.35370E-03	0.32794E+00	0.11599E-03	0.37898E-03
0.72950E+03	0.49371E-03	0.32809E+00	0.16198E-03	0.52925E-03
0.72960E+03	0.63469E-03	0.32824E+00	0.20833E-03	0.68070E-03
0.72970E+03	0.77637E-03	0.32840E+00	0.25496E-03	0.83304E-03
0.72980E+03	0.92090E-03	0.32855E+00	0.30256E-03	0.98858E-03
0.72990E+03	0.10676E-02	0.32870E+00	0.35091E-03	0.11466E-02
0.73000E+03	0.12221E-02	0.32885E+00	0.40190E-03	0.13132E-02
0.73010E+03	0.13807E-02	0.32903E+00	0.45430E-03	0.14844E-02
0.73020E+03	0.15414E-02	0.32920E+00	0.50744E-03	0.16580E-02
0.73030E+03	0.17024E-02	0.32937E+00	0.56073E-03	0.18321E-02
0.73040E+03	0.18667E-02	0.32954E+00	0.61515E-03	0.20099E-02
0.73050E+03	0.20386E-02	0.32972E+00	0.67215E-03	0.21962E-02
0.73060E+03	0.22107E-02	0.32989E+00	0.72929E-03	0.23829E-02
0.73070E+03	0.23887E-02	0.33006E+00	0.78842E-03	0.25760E-02
0.73080E+03	0.25774E-02	0.33024E+00	0.85115E-03	0.27810E-02
0.73090E+03	0.27692E-02	0.33041E+00	0.91498E-03	0.29896E-02
0.73100E+03	0.29629E-02	0.33058E+00	0.97948E-03	0.32003E-02
0.73110E+03	0.31568E-02	0.33076E+00	0.10441E-02	0.34115E-02
0.73120E+03	0.33540E-02	0.33094E+00	0.11100E-02	0.36267E-02
0.73130E+03	0.35538E-02	0.33112E+00	0.11768E-02	0.38449E-02
0.73140E+03	0.37655E-02	0.33131E+00	0.12475E-02	0.40761E-02
0.73150E+03	0.39796E-02	0.33149E+00	0.13192E-02	0.43103E-02
0.73160E+03	0.41995E-02	0.33167E+00	0.13929E-02	0.45510E-02
0.73170E+03	0.44293E-02	0.33186E+00	0.14699E-02	0.48027E-02
0.73180E+03	0.46646E-02	0.33204E+00	0.15488E-02	0.50606E-02
0.73190E+03	0.49024E-02	0.33222E+00	0.16287E-02	0.53215E-02
0.73200E+03	0.51412E-02	0.33241E+00	0.17090E-02	0.55838E-02
0.73210E+03	0.53807E-02	0.33259E+00	0.17896E-02	0.58472E-02
0.73220E+03	0.56207E-02	0.33278E+00	0.18705E-02	0.61114E-02
0.73230E+03	0.58657E-02	0.33296E+00	0.19531E-02	0.63814E-02
0.73240E+03	0.61123E-02	0.33315E+00	0.20363E-02	0.66534E-02
0.73250E+03	0.63718E-02	0.33334E+00	0.21240E-02	0.69398E-02
0.73260E+03	0.66440E-02	0.33352E+00	0.22159E-02	0.72402E-02
0.73270E+03	0.69384E-02	0.33371E+00	0.23154E-02	0.75653E-02
0.73280E+03	0.72347E-02	0.33390E+00	0.24157E-02	0.78928E-02
0.73290E+03	0.75635E-02	0.33408E+00	0.25268E-02	0.82561E-02
0.73300E+03	0.79083E-02	0.33427E+00	0.26435E-02	0.86373E-02
0.73310E+03	0.82538E-02	0.33448E+00	0.27607E-02	0.90201E-02
0.73320E+03	0.86059E-02	0.33468E+00	0.28802E-02	0.94107E-02
0.73330E+03	0.89699E-02	0.33489E+00	0.30039E-02	0.98149E-02

0.73340E+03	0.93365E-02	0.33509E+00	0.31286E-02	0.10222E-01
0.73350E+03	0.97059E-02	0.33530E+00	0.32544E-02	0.10633E-01
0.73360E+03	0.10078E-01	0.33550E+00	0.33812E-02	0.11047E-01
0.73370E+03	0.10457E-01	0.33571E+00	0.35105E-02	0.11470E-01
0.73380E+03	0.10856E-01	0.33592E+00	0.36467E-02	0.11915E-01
0.73390E+03	0.11271E-01	0.33612E+00	0.37885E-02	0.12379E-01
0.73400E+03	0.11689E-01	0.33633E+00	0.39315E-02	0.12846E-01
0.73410E+03	0.12111E-01	0.33653E+00	0.40758E-02	0.13317E-01
0.73420E+03	0.12548E-01	0.33673E+00	0.42251E-02	0.13805E-01
0.73430E+03	0.12988E-01	0.33693E+00	0.43761E-02	0.14298E-01
0.73440E+03	0.13439E-01	0.33713E+00	0.45308E-02	0.14804E-01
0.73450E+03	0.13891E-01	0.33733E+00	0.46859E-02	0.15310E-01
0.73460E+03	0.14344E-01	0.33752E+00	0.48413E-02	0.15818E-01
0.73470E+03	0.14810E-01	0.33772E+00	0.50017E-02	0.16342E-01
0.73480E+03	0.15373E-01	0.33792E+00	0.51949E-02	0.16973E-01
0.73490E+03	0.16044E-01	0.33812E+00	0.54248E-02	0.17725E-01
0.73500E+03	0.16782E-01	0.33833E+00	0.56779E-02	0.18552E-01
0.73510E+03	0.17558E-01	0.33853E+00	0.59441E-02	0.19422E-01
0.73520E+03	0.18385E-01	0.33874E+00	0.62278E-02	0.20348E-01
0.73530E+03	0.19292E-01	0.33895E+00	0.65389E-02	0.21365E-01
0.73540E+03	0.20304E-01	0.33916E+00	0.68861E-02	0.22499E-01
0.73550E+03	0.21451E-01	0.33936E+00	0.72797E-02	0.23785E-01
0.73560E+03	0.22718E-01	0.33957E+00	0.77145E-02	0.25206E-01
0.73570E+03	0.24118E-01	0.33978E+00	0.81949E-02	0.26776E-01
0.73580E+03	0.25647E-01	0.33999E+00	0.87198E-02	0.28491E-01
0.73590E+03	0.27293E-01	0.34020E+00	0.92851E-02	0.30338E-01
0.73600E+03	0.28991E-01	0.34040E+00	0.98685E-02	0.32244E-01
0.73610E+03	0.30690E-01	0.34060E+00	0.10453E-01	0.34154E-01
0.73620E+03	0.32402E-01	0.34080E+00	0.11043E-01	0.36080E-01
0.73630E+03	0.34224E-01	0.34099E+00	0.11670E-01	0.38131E-01
0.73640E+03	0.36190E-01	0.34119E+00	0.12347E-01	0.40344E-01
0.73650E+03	0.38353E-01	0.34138E+00	0.13093E-01	0.42779E-01
0.73660E+03	0.40715E-01	0.34158E+00	0.13907E-01	0.45441E-01
0.73670E+03	0.43293E-01	0.34178E+00	0.14797E-01	0.48346E-01
0.73680E+03	0.46062E-01	0.34197E+00	0.15752E-01	0.51468E-01
0.73690E+03	0.49014E-01	0.34217E+00	0.16771E-01	0.54798E-01
0.73700E+03	0.52187E-01	0.34237E+00	0.17867E-01	0.58379E-01
0.73710E+03	0.55662E-01	0.34257E+00	0.19068E-01	0.62303E-01
0.73720E+03	0.59469E-01	0.34277E+00	0.20384E-01	0.66603E-01
0.73730E+03	0.63706E-01	0.34297E+00	0.21849E-01	0.71390E-01
0.73740E+03	0.68399E-01	0.34317E+00	0.23473E-01	0.76693E-01
0.73750E+03	0.73552E-01	0.34337E+00	0.25256E-01	0.82520E-01
0.73760E+03	0.79201E-01	0.34357E+00	0.27211E-01	0.88909E-01

0.73770E+03	0.85460E-01	0.34378E+00	0.29379E-01	0.95992E-01
0.73780E+03	0.92382E-01	0.34398E+00	0.31777E-01	0.10383E+00
0.73790E+03	0.99994E-01	0.34418E+00	0.34416E-01	0.11245E+00
0.73800E+03	0.10831E+00	0.34438E+00	0.37301E-01	0.12188E+00
0.73810E+03	0.11740E+00	0.34457E+00	0.40452E-01	0.13217E+00
0.73820E+03	0.12726E+00	0.34475E+00	0.43875E-01	0.14335E+00
0.73830E+03	0.13790E+00	0.34494E+00	0.47568E-01	0.15542E+00
0.73840E+03	0.14934E+00	0.34513E+00	0.51542E-01	0.16841E+00
0.73850E+03	0.16165E+00	0.34532E+00	0.55820E-01	0.18238E+00
0.73860E+03	0.17487E+00	0.34550E+00	0.60420E-01	0.19741E+00
0.73870E+03	0.18909E+00	0.34569E+00	0.65365E-01	0.21357E+00
0.73880E+03	0.20432E+00	0.34588E+00	0.70669E-01	0.23090E+00
0.73890E+03	0.22061E+00	0.34607E+00	0.76347E-01	0.24945E+00
0.73900E+03	0.23797E+00	0.34626E+00	0.82401E-01	0.26923E+00
0.73910E+03	0.25637E+00	0.34646E+00	0.88822E-01	0.29021E+00
0.73920E+03	0.27573E+00	0.34665E+00	0.95582E-01	0.31230E+00
0.73930E+03	0.29593E+00	0.34684E+00	0.10264E+00	0.33537E+00
0.73940E+03	0.31687E+00	0.34703E+00	0.10997E+00	0.35930E+00
0.73950E+03	0.33850E+00	0.34723E+00	0.11754E+00	0.38404E+00
0.73960E+03	0.36073E+00	0.34742E+00	0.12532E+00	0.40948E+00
0.73970E+03	0.38344E+00	0.34761E+00	0.13329E+00	0.43550E+00
0.73980E+03	0.40649E+00	0.34781E+00	0.14138E+00	0.46194E+00
0.73990E+03	0.42974E+00	0.34800E+00	0.14955E+00	0.48863E+00
0.74000E+03	0.45303E+00	0.34819E+00	0.15774E+00	0.51540E+00
0.74010E+03	0.47621E+00	0.34837E+00	0.16590E+00	0.54204E+00
0.74020E+03	0.49912E+00	0.34855E+00	0.17397E+00	0.56841E+00
0.74030E+03	0.52172E+00	0.34873E+00	0.18194E+00	0.59446E+00
0.74040E+03	0.54387E+00	0.34890E+00	0.18976E+00	0.62000E+00
0.74050E+03	0.56537E+00	0.34908E+00	0.19736E+00	0.64484E+00
0.74060E+03	0.58604E+00	0.34926E+00	0.20468E+00	0.66876E+00
0.74070E+03	0.60576E+00	0.34944E+00	0.21167E+00	0.69161E+00
0.74080E+03	0.62434E+00	0.34962E+00	0.21828E+00	0.71321E+00
0.74090E+03	0.64169E+00	0.34980E+00	0.22447E+00	0.73341E+00
0.74100E+03	0.65770E+00	0.34999E+00	0.23019E+00	0.75210E+00
0.74110E+03	0.67234E+00	0.35017E+00	0.23544E+00	0.76926E+00
0.74120E+03	0.68553E+00	0.35036E+00	0.24018E+00	0.78476E+00
0.74130E+03	0.69713E+00	0.35054E+00	0.24437E+00	0.79846E+00
0.74140E+03	0.70709E+00	0.35073E+00	0.24800E+00	0.81029E+00
0.74150E+03	0.71543E+00	0.35092E+00	0.25105E+00	0.82028E+00
0.74160E+03	0.72215E+00	0.35110E+00	0.25355E+00	0.82844E+00
0.74170E+03	0.72734E+00	0.35129E+00	0.25551E+00	0.83483E+00
0.74180E+03	0.73105E+00	0.35147E+00	0.25694E+00	0.83953E+00
0.74190E+03	0.73335E+00	0.35166E+00	0.25789E+00	0.84262E+00

0.74200E+03	0.73433E+00	0.35185E+00	0.25837E+00	0.84420E+00
0.74210E+03	0.73405E+00	0.35202E+00	0.25840E+00	0.84430E+00
0.74220E+03	0.73263E+00	0.35220E+00	0.25803E+00	0.84308E+00
0.74230E+03	0.73024E+00	0.35237E+00	0.25732E+00	0.84075E+00
0.74240E+03	0.72703E+00	0.35255E+00	0.25631E+00	0.83747E+00
0.74250E+03	0.72312E+00	0.35273E+00	0.25506E+00	0.83338E+00
0.74260E+03	0.71866E+00	0.35290E+00	0.25362E+00	0.82865E+00
0.74270E+03	0.71374E+00	0.35308E+00	0.25201E+00	0.82339E+00
0.74280E+03	0.70852E+00	0.35325E+00	0.25028E+00	0.81776E+00
0.74290E+03	0.70311E+00	0.35342E+00	0.24849E+00	0.81192E+00
0.74300E+03	0.69762E+00	0.35359E+00	0.24667E+00	0.80597E+00
0.74310E+03	0.69210E+00	0.35376E+00	0.24484E+00	0.79998E+00
0.74320E+03	0.68662E+00	0.35394E+00	0.24302E+00	0.79404E+00
0.74330E+03	0.68125E+00	0.35411E+00	0.24124E+00	0.78821E+00
0.74340E+03	0.67603E+00	0.35428E+00	0.23951E+00	0.78255E+00
0.74350E+03	0.67099E+00	0.35446E+00	0.23784E+00	0.77710E+00
0.74360E+03	0.66621E+00	0.35463E+00	0.23626E+00	0.77194E+00
0.74370E+03	0.66181E+00	0.35480E+00	0.23481E+00	0.76722E+00
0.74380E+03	0.65784E+00	0.35498E+00	0.23352E+00	0.76299E+00
0.74390E+03	0.65432E+00	0.35515E+00	0.23238E+00	0.75927E+00
0.74400E+03	0.65127E+00	0.35532E+00	0.23141E+00	0.75611E+00
0.74410E+03	0.64871E+00	0.35549E+00	0.23061E+00	0.75348E+00
0.74420E+03	0.64664E+00	0.35566E+00	0.22998E+00	0.75143E+00
0.74430E+03	0.64510E+00	0.35582E+00	0.22954E+00	0.74999E+00
0.74440E+03	0.64411E+00	0.35599E+00	0.22929E+00	0.74918E+00
0.74450E+03	0.64367E+00	0.35615E+00	0.22925E+00	0.74903E+00
0.74460E+03	0.64377E+00	0.35632E+00	0.22939E+00	0.74949E+00
0.74470E+03	0.64430E+00	0.35650E+00	0.22970E+00	0.75050E+00
0.74480E+03	0.64527E+00	0.35668E+00	0.23016E+00	0.75200E+00
0.74490E+03	0.64667E+00	0.35686E+00	0.23077E+00	0.75402E+00
0.74500E+03	0.64855E+00	0.35705E+00	0.23156E+00	0.75659E+00
0.74510E+03	0.65094E+00	0.35723E+00	0.23253E+00	0.75977E+00
0.74520E+03	0.65384E+00	0.35741E+00	0.23369E+00	0.76355E+00
0.74530E+03	0.65720E+00	0.35759E+00	0.23501E+00	0.76786E+00
0.74540E+03	0.66095E+00	0.35777E+00	0.23647E+00	0.77263E+00
0.74550E+03	0.66496E+00	0.35796E+00	0.23802E+00	0.77771E+00
0.74560E+03	0.66918E+00	0.35814E+00	0.23966E+00	0.78306E+00
0.74570E+03	0.67365E+00	0.35832E+00	0.24138E+00	0.78868E+00
0.74580E+03	0.67835E+00	0.35850E+00	0.24319E+00	0.79460E+00
0.74590E+03	0.68327E+00	0.35869E+00	0.24508E+00	0.80077E+00
0.74600E+03	0.68839E+00	0.35887E+00	0.24704E+00	0.80717E+00
0.74610E+03	0.69371E+00	0.35905E+00	0.24907E+00	0.81381E+00
0.74620E+03	0.69919E+00	0.35923E+00	0.25117E+00	0.82066E+00

0.74630E+03	0.70483E+00	0.35941E+00	0.25332E+00	0.82769E+00
0.74640E+03	0.71057E+00	0.35959E+00	0.25551E+00	0.83485E+00
0.74650E+03	0.71638E+00	0.35977E+00	0.25773E+00	0.84209E+00
0.74660E+03	0.72219E+00	0.35995E+00	0.25995E+00	0.84935E+00
0.74670E+03	0.72801E+00	0.36013E+00	0.26218E+00	0.85664E+00
0.74680E+03	0.73380E+00	0.36031E+00	0.26440E+00	0.86389E+00
0.74690E+03	0.73955E+00	0.36050E+00	0.26661E+00	0.87110E+00
0.74700E+03	0.74525E+00	0.36068E+00	0.26880E+00	0.87825E+00
0.74710E+03	0.75086E+00	0.36087E+00	0.27096E+00	0.88533E+00
0.74720E+03	0.75639E+00	0.36105E+00	0.27310E+00	0.89230E+00
0.74730E+03	0.76187E+00	0.36123E+00	0.27521E+00	0.89922E+00
0.74740E+03	0.76731E+00	0.36142E+00	0.27732E+00	0.90609E+00
0.74750E+03	0.77268E+00	0.36160E+00	0.27940E+00	0.91290E+00
0.74760E+03	0.77799E+00	0.36179E+00	0.28146E+00	0.91964E+00
0.74770E+03	0.78320E+00	0.36197E+00	0.28350E+00	0.92628E+00
0.74780E+03	0.78830E+00	0.36215E+00	0.28549E+00	0.93278E+00
0.74790E+03	0.79322E+00	0.36234E+00	0.28741E+00	0.93908E+00
0.74800E+03	0.79792E+00	0.36252E+00	0.28927E+00	0.94513E+00
0.74810E+03	0.80236E+00	0.36270E+00	0.29102E+00	0.95086E+00
0.74820E+03	0.80654E+00	0.36288E+00	0.29268E+00	0.95628E+00
0.74830E+03	0.81044E+00	0.36306E+00	0.29424E+00	0.96140E+00
0.74840E+03	0.81410E+00	0.36325E+00	0.29572E+00	0.96621E+00
0.74850E+03	0.81750E+00	0.36343E+00	0.29710E+00	0.97074E+00
0.74860E+03	0.82066E+00	0.36361E+00	0.29840E+00	0.97498E+00
0.74870E+03	0.82355E+00	0.36380E+00	0.29960E+00	0.97891E+00
0.74880E+03	0.82618E+00	0.36398E+00	0.30072E+00	0.98255E+00
0.74890E+03	0.82852E+00	0.36417E+00	0.30172E+00	0.98582E+00
0.74900E+03	0.83057E+00	0.36435E+00	0.30262E+00	0.98877E+00
0.74910E+03	0.83230E+00	0.36454E+00	0.30341E+00	0.99133E+00
0.74920E+03	0.83368E+00	0.36472E+00	0.30406E+00	0.99348E+00
0.74930E+03	0.83468E+00	0.36491E+00	0.30458E+00	0.99517E+00
0.74940E+03	0.83532E+00	0.36509E+00	0.30497E+00	0.99644E+00
0.74950E+03	0.83571E+00	0.36527E+00	0.30527E+00	0.99741E+00
0.74960E+03	0.83592E+00	0.36546E+00	0.30549E+00	0.99816E+00
0.74970E+03	0.83601E+00	0.36564E+00	0.30568E+00	0.99877E+00
0.74980E+03	0.83602E+00	0.36583E+00	0.30584E+00	0.99928E+00
0.74990E+03	0.83591E+00	0.36601E+00	0.30595E+00	0.99966E+00
0.75000E+03	0.83569E+00	0.36620E+00	0.30603E+00	0.99989E+00
0.75010E+03	0.83536E+00	0.36638E+00	0.30606E+00	0.10000E+01
0.75020E+03	0.83494E+00	0.36656E+00	0.30606E+00	0.99999E+00
0.75030E+03	0.83444E+00	0.36674E+00	0.30602E+00	0.99989E+00
0.75040E+03	0.83384E+00	0.36692E+00	0.30596E+00	0.99967E+00
0.75050E+03	0.83313E+00	0.36710E+00	0.30585E+00	0.99931E+00

0.75060E+03	0.83231E+00	0.36728E+00	0.30569E+00	0.99881E+00
0.75070E+03	0.83144E+00	0.36746E+00	0.30553E+00	0.99826E+00
0.75080E+03	0.83055E+00	0.36764E+00	0.30535E+00	0.99768E+00
0.75090E+03	0.82966E+00	0.36782E+00	0.30517E+00	0.99709E+00
0.75100E+03	0.82876E+00	0.36800E+00	0.30499E+00	0.99650E+00
0.75110E+03	0.82785E+00	0.36818E+00	0.30480E+00	0.99589E+00
0.75120E+03	0.82691E+00	0.36836E+00	0.30460E+00	0.99525E+00
0.75130E+03	0.82590E+00	0.36854E+00	0.30438E+00	0.99451E+00
0.75140E+03	0.82479E+00	0.36872E+00	0.30412E+00	0.99366E+00
0.75150E+03	0.82367E+00	0.36890E+00	0.30385E+00	0.99280E+00
0.75160E+03	0.82257E+00	0.36908E+00	0.30360E+00	0.99196E+00
0.75170E+03	0.82143E+00	0.36926E+00	0.30332E+00	0.99106E+00
0.75180E+03	0.82019E+00	0.36944E+00	0.30301E+00	0.99006E+00
0.75190E+03	0.81886E+00	0.36962E+00	0.30267E+00	0.98893E+00
0.75200E+03	0.81742E+00	0.36980E+00	0.30229E+00	0.98768E+00
0.75210E+03	0.81595E+00	0.36998E+00	0.30188E+00	0.98636E+00
0.75220E+03	0.81447E+00	0.37015E+00	0.30148E+00	0.98503E+00
0.75230E+03	0.81299E+00	0.37033E+00	0.30107E+00	0.98371E+00
0.75240E+03	0.81150E+00	0.37051E+00	0.30067E+00	0.98240E+00
0.75250E+03	0.80993E+00	0.37070E+00	0.30024E+00	0.98099E+00
0.75260E+03	0.80825E+00	0.37088E+00	0.29977E+00	0.97944E+00
0.75270E+03	0.80639E+00	0.37107E+00	0.29923E+00	0.97769E+00
0.75280E+03	0.80435E+00	0.37126E+00	0.29862E+00	0.97570E+00
0.75290E+03	0.80215E+00	0.37144E+00	0.29795E+00	0.97351E+00
0.75300E+03	0.79979E+00	0.37163E+00	0.29722E+00	0.97114E+00
0.75310E+03	0.79728E+00	0.37181E+00	0.29644E+00	0.96857E+00
0.75320E+03	0.79460E+00	0.37200E+00	0.29559E+00	0.96579E+00
0.75330E+03	0.79173E+00	0.37218E+00	0.29467E+00	0.96278E+00
0.75340E+03	0.78865E+00	0.37237E+00	0.29367E+00	0.95951E+00
0.75350E+03	0.78530E+00	0.37255E+00	0.29256E+00	0.95591E+00
0.75360E+03	0.78162E+00	0.37273E+00	0.29133E+00	0.95189E+00
0.75370E+03	0.77759E+00	0.37292E+00	0.28998E+00	0.94745E+00
0.75380E+03	0.77320E+00	0.37310E+00	0.28848E+00	0.94257E+00
0.75390E+03	0.76846E+00	0.37328E+00	0.28686E+00	0.93726E+00
0.75400E+03	0.76339E+00	0.37347E+00	0.28510E+00	0.93152E+00
0.75410E+03	0.75802E+00	0.37364E+00	0.28323E+00	0.92541E+00
0.75420E+03	0.75238E+00	0.37382E+00	0.28125E+00	0.91895E+00
0.75430E+03	0.74637E+00	0.37399E+00	0.27913E+00	0.91202E+00
0.75440E+03	0.73989E+00	0.37416E+00	0.27683E+00	0.90451E+00
0.75450E+03	0.73298E+00	0.37433E+00	0.27437E+00	0.89647E+00
0.75460E+03	0.72563E+00	0.37450E+00	0.27175E+00	0.88789E+00
0.75470E+03	0.71784E+00	0.37467E+00	0.26895E+00	0.87875E+00
0.75480E+03	0.70961E+00	0.37484E+00	0.26599E+00	0.86907E+00

0.75490E+03	0.70102E+00	0.37501E+00	0.26289E+00	0.85894E+00
0.75500E+03	0.69205E+00	0.37518E+00	0.25964E+00	0.84834E+00
0.75510E+03	0.68266E+00	0.37535E+00	0.25624E+00	0.83721E+00
0.75520E+03	0.67285E+00	0.37552E+00	0.25267E+00	0.82555E+00
0.75530E+03	0.66270E+00	0.37569E+00	0.24897E+00	0.81346E+00
0.75540E+03	0.65226E+00	0.37586E+00	0.24516E+00	0.80101E+00
0.75550E+03	0.64154E+00	0.37603E+00	0.24124E+00	0.78821E+00
0.75560E+03	0.63053E+00	0.37620E+00	0.23721E+00	0.77503E+00
0.75570E+03	0.61923E+00	0.37637E+00	0.23306E+00	0.76149E+00
0.75580E+03	0.60763E+00	0.37654E+00	0.22880E+00	0.74757E+00
0.75590E+03	0.59577E+00	0.37671E+00	0.22443E+00	0.73330E+00
0.75600E+03	0.58363E+00	0.37688E+00	0.21996E+00	0.71869E+00
0.75610E+03	0.57124E+00	0.37704E+00	0.21538E+00	0.70373E+00
0.75620E+03	0.55863E+00	0.37720E+00	0.21072E+00	0.68848E+00
0.75630E+03	0.54585E+00	0.37736E+00	0.20598E+00	0.67302E+00
0.75640E+03	0.53293E+00	0.37752E+00	0.20119E+00	0.65736E+00
0.75650E+03	0.51992E+00	0.37768E+00	0.19636E+00	0.64159E+00
0.75660E+03	0.50686E+00	0.37784E+00	0.19151E+00	0.62574E+00
0.75670E+03	0.49379E+00	0.37799E+00	0.18665E+00	0.60985E+00
0.75680E+03	0.48067E+00	0.37815E+00	0.18177E+00	0.59390E+00
0.75690E+03	0.46749E+00	0.37831E+00	0.17685E+00	0.57785E+00
0.75700E+03	0.45422E+00	0.37847E+00	0.17191E+00	0.56168E+00
0.75710E+03	0.44095E+00	0.37863E+00	0.16696E+00	0.54550E+00
0.75720E+03	0.42770E+00	0.37879E+00	0.16201E+00	0.52934E+00
0.75730E+03	0.41458E+00	0.37895E+00	0.15710E+00	0.51331E+00
0.75740E+03	0.40163E+00	0.37911E+00	0.15226E+00	0.49748E+00
0.75750E+03	0.38893E+00	0.37927E+00	0.14751E+00	0.48197E+00
0.75760E+03	0.37648E+00	0.37942E+00	0.14284E+00	0.46672E+00
0.75770E+03	0.36419E+00	0.37958E+00	0.13824E+00	0.45168E+00
0.75780E+03	0.35207E+00	0.37974E+00	0.13369E+00	0.43683E+00
0.75790E+03	0.34017E+00	0.37990E+00	0.12923E+00	0.42225E+00
0.75800E+03	0.32847E+00	0.38006E+00	0.12484E+00	0.40789E+00
0.75810E+03	0.31698E+00	0.38020E+00	0.12052E+00	0.39377E+00
0.75820E+03	0.30566E+00	0.38035E+00	0.11626E+00	0.37985E+00
0.75830E+03	0.29451E+00	0.38049E+00	0.11206E+00	0.36614E+00
0.75840E+03	0.28350E+00	0.38064E+00	0.10791E+00	0.35258E+00
0.75850E+03	0.27268E+00	0.38078E+00	0.10383E+00	0.33926E+00
0.75860E+03	0.26209E+00	0.38093E+00	0.99838E-01	0.32621E+00
0.75870E+03	0.25181E+00	0.38107E+00	0.95956E-01	0.31352E+00
0.75880E+03	0.24180E+00	0.38122E+00	0.92176E-01	0.30117E+00
0.75890E+03	0.23201E+00	0.38136E+00	0.88480E-01	0.28910E+00
0.75900E+03	0.22241E+00	0.38151E+00	0.84852E-01	0.27724E+00
0.75910E+03	0.21302E+00	0.38165E+00	0.81301E-01	0.26564E+00

0.75920E+03	0.20382E+00	0.38180E+00	0.77819E-01	0.25426E+00
0.75930E+03	0.19484E+00	0.38194E+00	0.74417E-01	0.24315E+00
0.75940E+03	0.18606E+00	0.38209E+00	0.71090E-01	0.23228E+00
0.75950E+03	0.17758E+00	0.38224E+00	0.67878E-01	0.22178E+00
0.75960E+03	0.16944E+00	0.38238E+00	0.64791E-01	0.21170E+00
0.75970E+03	0.16171E+00	0.38253E+00	0.61858E-01	0.20211E+00
0.75980E+03	0.15439E+00	0.38268E+00	0.59082E-01	0.19304E+00
0.75990E+03	0.14748E+00	0.38282E+00	0.56457E-01	0.18446E+00
0.76000E+03	0.14093E+00	0.38297E+00	0.53973E-01	0.17635E+00
0.76010E+03	0.13470E+00	0.38309E+00	0.51601E-01	0.16860E+00
0.76020E+03	0.12871E+00	0.38322E+00	0.49323E-01	0.16115E+00
0.76030E+03	0.12294E+00	0.38335E+00	0.47128E-01	0.15398E+00
0.76040E+03	0.11737E+00	0.38347E+00	0.45006E-01	0.14705E+00
0.76050E+03	0.11198E+00	0.38360E+00	0.42955E-01	0.14035E+00
0.76060E+03	0.10676E+00	0.38372E+00	0.40968E-01	0.13386E+00
0.76070E+03	0.10180E+00	0.38385E+00	0.39077E-01	0.12768E+00
0.76080E+03	0.97146E-01	0.38397E+00	0.37301E-01	0.12188E+00
0.76090E+03	0.92756E-01	0.38410E+00	0.35627E-01	0.11641E+00
0.76100E+03	0.88598E-01	0.38422E+00	0.34041E-01	0.11123E+00
0.76110E+03	0.84656E-01	0.38435E+00	0.32537E-01	0.10631E+00
0.76120E+03	0.80898E-01	0.38447E+00	0.31103E-01	0.10162E+00
0.76130E+03	0.77215E-01	0.38460E+00	0.29697E-01	0.97029E-01
0.76140E+03	0.73518E-01	0.38472E+00	0.28284E-01	0.92414E-01
0.76150E+03	0.69849E-01	0.38485E+00	0.26881E-01	0.87831E-01
0.76160E+03	0.66222E-01	0.38497E+00	0.25494E-01	0.83297E-01
0.76170E+03	0.62678E-01	0.38510E+00	0.24137E-01	0.78865E-01
0.76180E+03	0.59269E-01	0.38522E+00	0.22832E-01	0.74599E-01
0.76190E+03	0.56066E-01	0.38535E+00	0.21605E-01	0.70591E-01
0.76200E+03	0.53091E-01	0.38546E+00	0.20465E-01	0.66866E-01
0.76210E+03	0.50308E-01	0.38557E+00	0.19397E-01	0.63378E-01
0.76220E+03	0.47681E-01	0.38567E+00	0.18389E-01	0.60085E-01
0.76230E+03	0.45202E-01	0.38578E+00	0.17438E-01	0.56976E-01
0.76240E+03	0.42861E-01	0.38588E+00	0.16539E-01	0.54040E-01
0.76250E+03	0.40649E-01	0.38599E+00	0.15690E-01	0.51265E-01
0.76260E+03	0.38537E-01	0.38609E+00	0.14879E-01	0.48614E-01
0.76270E+03	0.36506E-01	0.38620E+00	0.14099E-01	0.46065E-01
0.76280E+03	0.34547E-01	0.38630E+00	0.13346E-01	0.43605E-01
0.76290E+03	0.32747E-01	0.38641E+00	0.12653E-01	0.41343E-01
0.76300E+03	0.31137E-01	0.38651E+00	0.12035E-01	0.39322E-01
0.76310E+03	0.29753E-01	0.38662E+00	0.11503E-01	0.37585E-01
0.76320E+03	0.28592E-01	0.38672E+00	0.11057E-01	0.36128E-01
0.76330E+03	0.27602E-01	0.38683E+00	0.10677E-01	0.34887E-01
0.76340E+03	0.26761E-01	0.38693E+00	0.10355E-01	0.33832E-01

0.76350E+03	0.25953E-01	0.38704E+00	0.10045E-01	0.32820E-01
0.76360E+03	0.25114E-01	0.38714E+00	0.97226E-02	0.31767E-01
0.76370E+03	0.24220E-01	0.38725E+00	0.93790E-02	0.30645E-01
0.76380E+03	0.23263E-01	0.38735E+00	0.90111E-02	0.29442E-01
0.76390E+03	0.22175E-01	0.38746E+00	0.85919E-02	0.28073E-01
0.76400E+03	0.20940E-01	0.38756E+00	0.81153E-02	0.26516E-01
0.76410E+03	0.19688E-01	0.38766E+00	0.76321E-02	0.24937E-01
0.76420E+03	0.18501E-01	0.38776E+00	0.71739E-02	0.23440E-01
0.76430E+03	0.17445E-01	0.38785E+00	0.67663E-02	0.22108E-01
0.76440E+03	0.16628E-01	0.38795E+00	0.64509E-02	0.21077E-01
0.76450E+03	0.16026E-01	0.38806E+00	0.62191E-02	0.20320E-01
0.76460E+03	0.15470E-01	0.38816E+00	0.60047E-02	0.19620E-01
0.76470E+03	0.14921E-01	0.38827E+00	0.57932E-02	0.18928E-01
0.76480E+03	0.14387E-01	0.38837E+00	0.55876E-02	0.18257E-01
0.76490E+03	0.13865E-01	0.38848E+00	0.53862E-02	0.17599E-01
0.76500E+03	0.13351E-01	0.38859E+00	0.51880E-02	0.16951E-01
0.76510E+03	0.12840E-01	0.38869E+00	0.49907E-02	0.16306E-01
0.76520E+03	0.12329E-01	0.38880E+00	0.47933E-02	0.15662E-01
0.76530E+03	0.11835E-01	0.38890E+00	0.46026E-02	0.15038E-01
0.76540E+03	0.11342E-01	0.38901E+00	0.44121E-02	0.14416E-01
0.76550E+03	0.10852E-01	0.38911E+00	0.42226E-02	0.13797E-01
0.76560E+03	0.10380E-01	0.38922E+00	0.40402E-02	0.13201E-01
0.76570E+03	0.99165E-02	0.38932E+00	0.38607E-02	0.12614E-01
0.76580E+03	0.94555E-02	0.38943E+00	0.36823E-02	0.12031E-01
0.76590E+03	0.89970E-02	0.38955E+00	0.35048E-02	0.11451E-01
0.76600E+03	0.85572E-02	0.38967E+00	0.33345E-02	0.10895E-01
0.76610E+03	0.81188E-02	0.38980E+00	0.31647E-02	0.10340E-01
0.76620E+03	0.76863E-02	0.38992E+00	0.29970E-02	0.97924E-02
0.76630E+03	0.72616E-02	0.39004E+00	0.28323E-02	0.92542E-02
0.76640E+03	0.68414E-02	0.39016E+00	0.26693E-02	0.87214E-02
0.76650E+03	0.64221E-02	0.39028E+00	0.25064E-02	0.81894E-02
0.76660E+03	0.60057E-02	0.39041E+00	0.23446E-02	0.76608E-02
0.76670E+03	0.55913E-02	0.39053E+00	0.21836E-02	0.71345E-02
0.76680E+03	0.51779E-02	0.39065E+00	0.20227E-02	0.66090E-02
0.76690E+03	0.47888E-02	0.39077E+00	0.18713E-02	0.61143E-02
0.76700E+03	0.44371E-02	0.39089E+00	0.17344E-02	0.56670E-02
0.76710E+03	0.40915E-02	0.39101E+00	0.15998E-02	0.52273E-02
0.76720E+03	0.37567E-02	0.39114E+00	0.14694E-02	0.48010E-02
0.76730E+03	0.34488E-02	0.39126E+00	0.13494E-02	0.44089E-02
0.76740E+03	0.31451E-02	0.39138E+00	0.12309E-02	0.40219E-02
0.76750E+03	0.28694E-02	0.39150E+00	0.11234E-02	0.36704E-02
0.76760E+03	0.26098E-02	0.39162E+00	0.10221E-02	0.33395E-02
0.76770E+03	0.23681E-02	0.39175E+00	0.92770E-03	0.30311E-02

0.76780E+03	0.21405E-02	0.39188E+00	0.83880E-03	0.27406E-02
0.76790E+03	0.19157E-02	0.39201E+00	0.75097E-03	0.24537E-02
0.76800E+03	0.17034E-02	0.39214E+00	0.66795E-03	0.21824E-02
0.76810E+03	0.14914E-02	0.39228E+00	0.58502E-03	0.19115E-02
0.76820E+03	0.12797E-02	0.39242E+00	0.50217E-03	0.16408E-02
0.76830E+03	0.10703E-02	0.39256E+00	0.42014E-03	0.13727E-02
0.76840E+03	0.87138E-03	0.39270E+00	0.34219E-03	0.11181E-02
0.76850E+03	0.68874E-03	0.39284E+00	0.27056E-03	0.88402E-03
0.76860E+03	0.50709E-03	0.39298E+00	0.19928E-03	0.65111E-03
0.76870E+03	0.33229E-03	0.39312E+00	0.13063E-03	0.42681E-03
0.76880E+03	0.15931E-03	0.39326E+00	0.62651E-04	0.20470E-03
0.76890E+03	0.00000E+00	0.39340E+00	0.00000E+00	0.00000E+00
Channel 8				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.86768E+03	0.00000E+00	0.52016E+00	0.00000E+00	0.00000E+00
0.86778E+03	0.78031E-04	0.52034E+00	0.40603E-04	0.85263E-04
0.86788E+03	0.19961E-03	0.52052E+00	0.10390E-03	0.21818E-03
0.86798E+03	0.33195E-03	0.52070E+00	0.17285E-03	0.36297E-03
0.86808E+03	0.46699E-03	0.52087E+00	0.24324E-03	0.51079E-03
0.86818E+03	0.60845E-03	0.52104E+00	0.31702E-03	0.66573E-03
0.86828E+03	0.75123E-03	0.52121E+00	0.39155E-03	0.82222E-03
0.86838E+03	0.89474E-03	0.52137E+00	0.46649E-03	0.97960E-03
0.86848E+03	0.10472E-02	0.52154E+00	0.54618E-03	0.11469E-02
0.86858E+03	0.12125E-02	0.52171E+00	0.63257E-03	0.13283E-02
0.86868E+03	0.13826E-02	0.52188E+00	0.72153E-03	0.15152E-02
0.86878E+03	0.15547E-02	0.52205E+00	0.81161E-03	0.17043E-02
0.86888E+03	0.17292E-02	0.52222E+00	0.90305E-03	0.18963E-02
0.86898E+03	0.19057E-02	0.52239E+00	0.99552E-03	0.20905E-02
0.86908E+03	0.20835E-02	0.52257E+00	0.10888E-02	0.22864E-02
0.86918E+03	0.22635E-02	0.52274E+00	0.11832E-02	0.24846E-02
0.86928E+03	0.24500E-02	0.52292E+00	0.12811E-02	0.26903E-02
0.86938E+03	0.26453E-02	0.52309E+00	0.13837E-02	0.29057E-02
0.86948E+03	0.28433E-02	0.52327E+00	0.14878E-02	0.31243E-02
0.86958E+03	0.30473E-02	0.52345E+00	0.15951E-02	0.33496E-02
0.86968E+03	0.32538E-02	0.52363E+00	0.17038E-02	0.35778E-02
0.86978E+03	0.34632E-02	0.52381E+00	0.18140E-02	0.38093E-02
0.86988E+03	0.36735E-02	0.52399E+00	0.19249E-02	0.40421E-02
0.86998E+03	0.38849E-02	0.52416E+00	0.20363E-02	0.42760E-02
0.87008E+03	0.41042E-02	0.52430E+00	0.21518E-02	0.45187E-02
0.87018E+03	0.43239E-02	0.52444E+00	0.22676E-02	0.47619E-02

0.87028E+03	0.45443E-02	0.52459E+00	0.23839E-02	0.50060E-02
0.87038E+03	0.47673E-02	0.52473E+00	0.25016E-02	0.52531E-02
0.87048E+03	0.49933E-02	0.52488E+00	0.26208E-02	0.55035E-02
0.87058E+03	0.52229E-02	0.52502E+00	0.27421E-02	0.57583E-02
0.87068E+03	0.54539E-02	0.52517E+00	0.28642E-02	0.60146E-02
0.87078E+03	0.56893E-02	0.52531E+00	0.29886E-02	0.62759E-02
0.87088E+03	0.59295E-02	0.52546E+00	0.31157E-02	0.65428E-02
0.87098E+03	0.61734E-02	0.52561E+00	0.32448E-02	0.68138E-02
0.87108E+03	0.64187E-02	0.52575E+00	0.33747E-02	0.70865E-02
0.87118E+03	0.66649E-02	0.52590E+00	0.35051E-02	0.73604E-02
0.87128E+03	0.69146E-02	0.52605E+00	0.36375E-02	0.76384E-02
0.87138E+03	0.71684E-02	0.52620E+00	0.37720E-02	0.79209E-02
0.87148E+03	0.74230E-02	0.52635E+00	0.39071E-02	0.82046E-02
0.87158E+03	0.76865E-02	0.52650E+00	0.40469E-02	0.84982E-02
0.87168E+03	0.79512E-02	0.52665E+00	0.41875E-02	0.87934E-02
0.87178E+03	0.82160E-02	0.52680E+00	0.43282E-02	0.90889E-02
0.87188E+03	0.84809E-02	0.52695E+00	0.44690E-02	0.93846E-02
0.87198E+03	0.87468E-02	0.52710E+00	0.46104E-02	0.96815E-02
0.87208E+03	0.90197E-02	0.52723E+00	0.47555E-02	0.99861E-02
0.87218E+03	0.92927E-02	0.52737E+00	0.49007E-02	0.10291E-01
0.87228E+03	0.95679E-02	0.52750E+00	0.50471E-02	0.10599E-01
0.87238E+03	0.98575E-02	0.52764E+00	0.52012E-02	0.10922E-01
0.87248E+03	0.10170E-01	0.52777E+00	0.53677E-02	0.11272E-01
0.87258E+03	0.10517E-01	0.52791E+00	0.55521E-02	0.11659E-01
0.87268E+03	0.10880E-01	0.52805E+00	0.57451E-02	0.12064E-01
0.87278E+03	0.11247E-01	0.52819E+00	0.59403E-02	0.12474E-01
0.87288E+03	0.11630E-01	0.52832E+00	0.61444E-02	0.12903E-01
0.87298E+03	0.12039E-01	0.52846E+00	0.63622E-02	0.13360E-01
0.87308E+03	0.12463E-01	0.52860E+00	0.65878E-02	0.13834E-01
0.87318E+03	0.12918E-01	0.52874E+00	0.68304E-02	0.14343E-01
0.87328E+03	0.13376E-01	0.52888E+00	0.70745E-02	0.14856E-01
0.87338E+03	0.13844E-01	0.52903E+00	0.73239E-02	0.15380E-01
0.87348E+03	0.14338E-01	0.52917E+00	0.75871E-02	0.15932E-01
0.87358E+03	0.14849E-01	0.52931E+00	0.78596E-02	0.16505E-01
0.87368E+03	0.15413E-01	0.52945E+00	0.81605E-02	0.17136E-01
0.87378E+03	0.16034E-01	0.52960E+00	0.84918E-02	0.17832E-01
0.87388E+03	0.16680E-01	0.52975E+00	0.88365E-02	0.18556E-01
0.87398E+03	0.17337E-01	0.52991E+00	0.91871E-02	0.19292E-01
0.87408E+03	0.18016E-01	0.53007E+00	0.95495E-02	0.20053E-01
0.87418E+03	0.18727E-01	0.53022E+00	0.99292E-02	0.20851E-01
0.87428E+03	0.19504E-01	0.53037E+00	0.10344E-01	0.21722E-01
0.87438E+03	0.20378E-01	0.53052E+00	0.10811E-01	0.22702E-01
0.87448E+03	0.21345E-01	0.53067E+00	0.11327E-01	0.23787E-01

0.87458E+03	0.22391E-01	0.53083E+00	0.11886E-01	0.24959E-01
0.87468E+03	0.23511E-01	0.53098E+00	0.12484E-01	0.26215E-01
0.87478E+03	0.24707E-01	0.53114E+00	0.13123E-01	0.27556E-01
0.87488E+03	0.25929E-01	0.53129E+00	0.13776E-01	0.28928E-01
0.87498E+03	0.27168E-01	0.53145E+00	0.14439E-01	0.30320E-01
0.87508E+03	0.28414E-01	0.53160E+00	0.15105E-01	0.31719E-01
0.87518E+03	0.29637E-01	0.53176E+00	0.15760E-01	0.33094E-01
0.87528E+03	0.30848E-01	0.53192E+00	0.16409E-01	0.34457E-01
0.87538E+03	0.32033E-01	0.53208E+00	0.17044E-01	0.35791E-01
0.87548E+03	0.33201E-01	0.53224E+00	0.17671E-01	0.37107E-01
0.87558E+03	0.34381E-01	0.53240E+00	0.18304E-01	0.38438E-01
0.87568E+03	0.35558E-01	0.53256E+00	0.18937E-01	0.39766E-01
0.87578E+03	0.36723E-01	0.53272E+00	0.19563E-01	0.41081E-01
0.87588E+03	0.37915E-01	0.53287E+00	0.20204E-01	0.42427E-01
0.87598E+03	0.39179E-01	0.53303E+00	0.20884E-01	0.43854E-01
0.87608E+03	0.40555E-01	0.53317E+00	0.21623E-01	0.45406E-01
0.87618E+03	0.42034E-01	0.53331E+00	0.22417E-01	0.47074E-01
0.87628E+03	0.43588E-01	0.53346E+00	0.23252E-01	0.48828E-01
0.87638E+03	0.45189E-01	0.53360E+00	0.24113E-01	0.50635E-01
0.87648E+03	0.46780E-01	0.53374E+00	0.24969E-01	0.52432E-01
0.87658E+03	0.48342E-01	0.53388E+00	0.25809E-01	0.54196E-01
0.87668E+03	0.49886E-01	0.53403E+00	0.26641E-01	0.55943E-01
0.87678E+03	0.51479E-01	0.53417E+00	0.27498E-01	0.57744E-01
0.87688E+03	0.53181E-01	0.53431E+00	0.28415E-01	0.59670E-01
0.87698E+03	0.55010E-01	0.53446E+00	0.29400E-01	0.61738E-01
0.87708E+03	0.56976E-01	0.53460E+00	0.30459E-01	0.63962E-01
0.87718E+03	0.59098E-01	0.53474E+00	0.31602E-01	0.66362E-01
0.87728E+03	0.61372E-01	0.53489E+00	0.32827E-01	0.68934E-01
0.87738E+03	0.63762E-01	0.53503E+00	0.34115E-01	0.71638E-01
0.87748E+03	0.66269E-01	0.53517E+00	0.35465E-01	0.74474E-01
0.87758E+03	0.68906E-01	0.53531E+00	0.36886E-01	0.77459E-01
0.87768E+03	0.71652E-01	0.53545E+00	0.38366E-01	0.80566E-01
0.87778E+03	0.74522E-01	0.53559E+00	0.39913E-01	0.83814E-01
0.87788E+03	0.77569E-01	0.53572E+00	0.41555E-01	0.87263E-01
0.87798E+03	0.80832E-01	0.53585E+00	0.43314E-01	0.90956E-01
0.87808E+03	0.84305E-01	0.53597E+00	0.45185E-01	0.94885E-01
0.87818E+03	0.87970E-01	0.53609E+00	0.47160E-01	0.99031E-01
0.87828E+03	0.91839E-01	0.53620E+00	0.49244E-01	0.10341E+00
0.87838E+03	0.95900E-01	0.53632E+00	0.51433E-01	0.10801E+00
0.87848E+03	0.10011E+00	0.53643E+00	0.53701E-01	0.11277E+00
0.87858E+03	0.10447E+00	0.53655E+00	0.56053E-01	0.11771E+00
0.87868E+03	0.10903E+00	0.53666E+00	0.58513E-01	0.12287E+00
0.87878E+03	0.11380E+00	0.53678E+00	0.61087E-01	0.12828E+00

0.87888E+03	0.11876E+00	0.53690E+00	0.63762E-01	0.13390E+00
0.87898E+03	0.12389E+00	0.53701E+00	0.66529E-01	0.13971E+00
0.87908E+03	0.12920E+00	0.53713E+00	0.69396E-01	0.14573E+00
0.87918E+03	0.13469E+00	0.53724E+00	0.72361E-01	0.15195E+00
0.87928E+03	0.14031E+00	0.53736E+00	0.75395E-01	0.15832E+00
0.87938E+03	0.14608E+00	0.53747E+00	0.78512E-01	0.16487E+00
0.87948E+03	0.15205E+00	0.53759E+00	0.81743E-01	0.17165E+00
0.87958E+03	0.15823E+00	0.53771E+00	0.85081E-01	0.17866E+00
0.87968E+03	0.16460E+00	0.53781E+00	0.88523E-01	0.18589E+00
0.87978E+03	0.17122E+00	0.53791E+00	0.92100E-01	0.19340E+00
0.87988E+03	0.17813E+00	0.53801E+00	0.95837E-01	0.20125E+00
0.87998E+03	0.18533E+00	0.53811E+00	0.99730E-01	0.20942E+00
0.88008E+03	0.19279E+00	0.53820E+00	0.10376E+00	0.21789E+00
0.88018E+03	0.20050E+00	0.53829E+00	0.10792E+00	0.22663E+00
0.88028E+03	0.20841E+00	0.53837E+00	0.11220E+00	0.23562E+00
0.88038E+03	0.21652E+00	0.53846E+00	0.11658E+00	0.24482E+00
0.88048E+03	0.22479E+00	0.53854E+00	0.12106E+00	0.25422E+00
0.88058E+03	0.23327E+00	0.53863E+00	0.12565E+00	0.26385E+00
0.88068E+03	0.24198E+00	0.53871E+00	0.13036E+00	0.27374E+00
0.88078E+03	0.25090E+00	0.53880E+00	0.13518E+00	0.28388E+00
0.88088E+03	0.26001E+00	0.53888E+00	0.14011E+00	0.29423E+00
0.88098E+03	0.26931E+00	0.53897E+00	0.14515E+00	0.30480E+00
0.88108E+03	0.27886E+00	0.53905E+00	0.15032E+00	0.31566E+00
0.88118E+03	0.28868E+00	0.53913E+00	0.15564E+00	0.32683E+00
0.88128E+03	0.29877E+00	0.53922E+00	0.16110E+00	0.33831E+00
0.88138E+03	0.30910E+00	0.53930E+00	0.16670E+00	0.35005E+00
0.88148E+03	0.31964E+00	0.53938E+00	0.17241E+00	0.36204E+00
0.88158E+03	0.33038E+00	0.53946E+00	0.17823E+00	0.37427E+00
0.88168E+03	0.34130E+00	0.53955E+00	0.18414E+00	0.38669E+00
0.88178E+03	0.35233E+00	0.53963E+00	0.19013E+00	0.39925E+00
0.88188E+03	0.36348E+00	0.53971E+00	0.19617E+00	0.41195E+00
0.88198E+03	0.37477E+00	0.53979E+00	0.20230E+00	0.42480E+00
0.88208E+03	0.38621E+00	0.53986E+00	0.20850E+00	0.43783E+00
0.88218E+03	0.39780E+00	0.53992E+00	0.21478E+00	0.45102E+00
0.88228E+03	0.40948E+00	0.53998E+00	0.22111E+00	0.46431E+00
0.88238E+03	0.42124E+00	0.54004E+00	0.22749E+00	0.47771E+00
0.88248E+03	0.43308E+00	0.54010E+00	0.23391E+00	0.49120E+00
0.88258E+03	0.44498E+00	0.54017E+00	0.24036E+00	0.50475E+00
0.88268E+03	0.45691E+00	0.54023E+00	0.24683E+00	0.51833E+00
0.88278E+03	0.46889E+00	0.54029E+00	0.25333E+00	0.53198E+00
0.88288E+03	0.48092E+00	0.54035E+00	0.25986E+00	0.54569E+00
0.88298E+03	0.49297E+00	0.54041E+00	0.26641E+00	0.55943E+00
0.88308E+03	0.50502E+00	0.54047E+00	0.27295E+00	0.57317E+00

0.88318E+03	0.51706E+00	0.54053E+00	0.27949E+00	0.58690E+00
0.88328E+03	0.52906E+00	0.54059E+00	0.28600E+00	0.60059E+00
0.88338E+03	0.54101E+00	0.54065E+00	0.29250E+00	0.61423E+00
0.88348E+03	0.55288E+00	0.54071E+00	0.29895E+00	0.62777E+00
0.88358E+03	0.56467E+00	0.54075E+00	0.30534E+00	0.64119E+00
0.88368E+03	0.57635E+00	0.54078E+00	0.31168E+00	0.65450E+00
0.88378E+03	0.58789E+00	0.54082E+00	0.31794E+00	0.66765E+00
0.88388E+03	0.59930E+00	0.54086E+00	0.32413E+00	0.68066E+00
0.88398E+03	0.61058E+00	0.54089E+00	0.33026E+00	0.69351E+00
0.88408E+03	0.62169E+00	0.54091E+00	0.33628E+00	0.70616E+00
0.88418E+03	0.63261E+00	0.54093E+00	0.34220E+00	0.71859E+00
0.88428E+03	0.64327E+00	0.54094E+00	0.34797E+00	0.73071E+00
0.88438E+03	0.65364E+00	0.54096E+00	0.35359E+00	0.74251E+00
0.88448E+03	0.66375E+00	0.54098E+00	0.35907E+00	0.75403E+00
0.88458E+03	0.67360E+00	0.54099E+00	0.36441E+00	0.76523E+00
0.88468E+03	0.68319E+00	0.54100E+00	0.36961E+00	0.77615E+00
0.88478E+03	0.69257E+00	0.54102E+00	0.37469E+00	0.78682E+00
0.88488E+03	0.70174E+00	0.54103E+00	0.37967E+00	0.79727E+00
0.88498E+03	0.71070E+00	0.54105E+00	0.38452E+00	0.80747E+00
0.88508E+03	0.71940E+00	0.54106E+00	0.38924E+00	0.81737E+00
0.88518E+03	0.72783E+00	0.54107E+00	0.39381E+00	0.82697E+00
0.88528E+03	0.73601E+00	0.54109E+00	0.39824E+00	0.83628E+00
0.88538E+03	0.74390E+00	0.54110E+00	0.40252E+00	0.84527E+00
0.88548E+03	0.75150E+00	0.54110E+00	0.40664E+00	0.85391E+00
0.88558E+03	0.75883E+00	0.54111E+00	0.41061E+00	0.86225E+00
0.88568E+03	0.76590E+00	0.54111E+00	0.41444E+00	0.87029E+00
0.88578E+03	0.77271E+00	0.54112E+00	0.41813E+00	0.87804E+00
0.88588E+03	0.77924E+00	0.54112E+00	0.42166E+00	0.88546E+00
0.88598E+03	0.78548E+00	0.54113E+00	0.42504E+00	0.89256E+00
0.88608E+03	0.79145E+00	0.54111E+00	0.42826E+00	0.89932E+00
0.88618E+03	0.79713E+00	0.54109E+00	0.43132E+00	0.90574E+00
0.88628E+03	0.80251E+00	0.54107E+00	0.43421E+00	0.91182E+00
0.88638E+03	0.80762E+00	0.54105E+00	0.43696E+00	0.91759E+00
0.88648E+03	0.81251E+00	0.54103E+00	0.43959E+00	0.92311E+00
0.88658E+03	0.81723E+00	0.54101E+00	0.44213E+00	0.92843E+00
0.88668E+03	0.82177E+00	0.54099E+00	0.44456E+00	0.93355E+00
0.88678E+03	0.82610E+00	0.54096E+00	0.44689E+00	0.93843E+00
0.88688E+03	0.83022E+00	0.54094E+00	0.44910E+00	0.94308E+00
0.88698E+03	0.83414E+00	0.54092E+00	0.45120E+00	0.94748E+00
0.88708E+03	0.83783E+00	0.54089E+00	0.45318E+00	0.95164E+00
0.88718E+03	0.84130E+00	0.54087E+00	0.45504E+00	0.95554E+00
0.88728E+03	0.84456E+00	0.54085E+00	0.45678E+00	0.95920E+00
0.88738E+03	0.84765E+00	0.54082E+00	0.45843E+00	0.96267E+00

0.88748E+03	0.85057E+00	0.54080E+00	0.45999E+00	0.96594E+00
0.88758E+03	0.85332E+00	0.54078E+00	0.46146E+00	0.96903E+00
0.88768E+03	0.85590E+00	0.54076E+00	0.46283E+00	0.97191E+00
0.88778E+03	0.85829E+00	0.54074E+00	0.46411E+00	0.97459E+00
0.88788E+03	0.86050E+00	0.54071E+00	0.46528E+00	0.97705E+00
0.88798E+03	0.86254E+00	0.54069E+00	0.46637E+00	0.97934E+00
0.88808E+03	0.86447E+00	0.54064E+00	0.46737E+00	0.98144E+00
0.88818E+03	0.86629E+00	0.54059E+00	0.46831E+00	0.98341E+00
0.88828E+03	0.86798E+00	0.54054E+00	0.46918E+00	0.98524E+00
0.88838E+03	0.86954E+00	0.54049E+00	0.46998E+00	0.98692E+00
0.88848E+03	0.87098E+00	0.54044E+00	0.47071E+00	0.98846E+00
0.88858E+03	0.87228E+00	0.54039E+00	0.47137E+00	0.98984E+00
0.88868E+03	0.87343E+00	0.54034E+00	0.47195E+00	0.99105E+00
0.88878E+03	0.87446E+00	0.54029E+00	0.47246E+00	0.99213E+00
0.88888E+03	0.87541E+00	0.54023E+00	0.47292E+00	0.99310E+00
0.88898E+03	0.87628E+00	0.54018E+00	0.47335E+00	0.99399E+00
0.88908E+03	0.87708E+00	0.54013E+00	0.47374E+00	0.99481E+00
0.88918E+03	0.87784E+00	0.54008E+00	0.47410E+00	0.99558E+00
0.88928E+03	0.87852E+00	0.54003E+00	0.47442E+00	0.99625E+00
0.88938E+03	0.87910E+00	0.53999E+00	0.47470E+00	0.99684E+00
0.88948E+03	0.87962E+00	0.53994E+00	0.47494E+00	0.99734E+00
0.88958E+03	0.88008E+00	0.53990E+00	0.47516E+00	0.99779E+00
0.88968E+03	0.88051E+00	0.53986E+00	0.47535E+00	0.99819E+00
0.88978E+03	0.88090E+00	0.53981E+00	0.47552E+00	0.99855E+00
0.88988E+03	0.88124E+00	0.53977E+00	0.47567E+00	0.99886E+00
0.88998E+03	0.88156E+00	0.53973E+00	0.47580E+00	0.99915E+00
0.89008E+03	0.88183E+00	0.53964E+00	0.47587E+00	0.99930E+00
0.89018E+03	0.88203E+00	0.53955E+00	0.47590E+00	0.99936E+00
0.89028E+03	0.88219E+00	0.53946E+00	0.47591E+00	0.99937E+00
0.89038E+03	0.88232E+00	0.53937E+00	0.47589E+00	0.99934E+00
0.89048E+03	0.88244E+00	0.53928E+00	0.47588E+00	0.99931E+00
0.89058E+03	0.88260E+00	0.53919E+00	0.47589E+00	0.99932E+00
0.89068E+03	0.88279E+00	0.53909E+00	0.47591E+00	0.99937E+00
0.89078E+03	0.88302E+00	0.53900E+00	0.47595E+00	0.99946E+00
0.89088E+03	0.88330E+00	0.53891E+00	0.47602E+00	0.99960E+00
0.89098E+03	0.88359E+00	0.53882E+00	0.47609E+00	0.99975E+00
0.89108E+03	0.88385E+00	0.53872E+00	0.47615E+00	0.99988E+00
0.89118E+03	0.88408E+00	0.53863E+00	0.47619E+00	0.99997E+00
0.89128E+03	0.88423E+00	0.53856E+00	0.47621E+00	0.10000E+01
0.89138E+03	0.88433E+00	0.53848E+00	0.47620E+00	0.99997E+00
0.89148E+03	0.88441E+00	0.53841E+00	0.47617E+00	0.99992E+00
0.89158E+03	0.88448E+00	0.53833E+00	0.47615E+00	0.99987E+00
0.89168E+03	0.88459E+00	0.53826E+00	0.47614E+00	0.99985E+00

0.89178E+03	0.88472E+00	0.53818E+00	0.47614E+00	0.99986E+00
0.89188E+03	0.88482E+00	0.53811E+00	0.47613E+00	0.99984E+00
0.89198E+03	0.88489E+00	0.53803E+00	0.47610E+00	0.99977E+00
0.89208E+03	0.88490E+00	0.53793E+00	0.47601E+00	0.99958E+00
0.89218E+03	0.88484E+00	0.53781E+00	0.47588E+00	0.99931E+00
0.89228E+03	0.88472E+00	0.53770E+00	0.47572E+00	0.99897E+00
0.89238E+03	0.88457E+00	0.53759E+00	0.47553E+00	0.99858E+00
0.89248E+03	0.88439E+00	0.53748E+00	0.47534E+00	0.99817E+00
0.89258E+03	0.88419E+00	0.53737E+00	0.47513E+00	0.99774E+00
0.89268E+03	0.88395E+00	0.53725E+00	0.47491E+00	0.99727E+00
0.89278E+03	0.88365E+00	0.53714E+00	0.47465E+00	0.99672E+00
0.89288E+03	0.88329E+00	0.53703E+00	0.47435E+00	0.99610E+00
0.89298E+03	0.88288E+00	0.53692E+00	0.47403E+00	0.99543E+00
0.89308E+03	0.88244E+00	0.53681E+00	0.47370E+00	0.99473E+00
0.89318E+03	0.88202E+00	0.53672E+00	0.47340E+00	0.99410E+00
0.89328E+03	0.88160E+00	0.53665E+00	0.47311E+00	0.99349E+00
0.89338E+03	0.88116E+00	0.53657E+00	0.47281E+00	0.99286E+00
0.89348E+03	0.88072E+00	0.53650E+00	0.47251E+00	0.99223E+00
0.89358E+03	0.88026E+00	0.53642E+00	0.47219E+00	0.99156E+00
0.89368E+03	0.87975E+00	0.53635E+00	0.47186E+00	0.99086E+00
0.89378E+03	0.87924E+00	0.53628E+00	0.47151E+00	0.99014E+00
0.89388E+03	0.87872E+00	0.53620E+00	0.47117E+00	0.98942E+00
0.89398E+03	0.87820E+00	0.53613E+00	0.47083E+00	0.98870E+00
0.89408E+03	0.87768E+00	0.53602E+00	0.47045E+00	0.98792E+00
0.89418E+03	0.87718E+00	0.53590E+00	0.47008E+00	0.98714E+00
0.89428E+03	0.87670E+00	0.53579E+00	0.46972E+00	0.98638E+00
0.89438E+03	0.87620E+00	0.53567E+00	0.46936E+00	0.98561E+00
0.89448E+03	0.87568E+00	0.53555E+00	0.46897E+00	0.98481E+00
0.89458E+03	0.87513E+00	0.53544E+00	0.46858E+00	0.98398E+00
0.89468E+03	0.87456E+00	0.53532E+00	0.46817E+00	0.98312E+00
0.89478E+03	0.87398E+00	0.53520E+00	0.46776E+00	0.98225E+00
0.89488E+03	0.87340E+00	0.53509E+00	0.46735E+00	0.98139E+00
0.89498E+03	0.87286E+00	0.53497E+00	0.46696E+00	0.98057E+00
0.89508E+03	0.87231E+00	0.53487E+00	0.46657E+00	0.97976E+00
0.89518E+03	0.87169E+00	0.53477E+00	0.46616E+00	0.97889E+00
0.89528E+03	0.87100E+00	0.53468E+00	0.46571E+00	0.97795E+00
0.89538E+03	0.87025E+00	0.53458E+00	0.46522E+00	0.97692E+00
0.89548E+03	0.86947E+00	0.53449E+00	0.46472E+00	0.97588E+00
0.89558E+03	0.86871E+00	0.53439E+00	0.46424E+00	0.97486E+00
0.89568E+03	0.86799E+00	0.53430E+00	0.46377E+00	0.97388E+00
0.89578E+03	0.86733E+00	0.53421E+00	0.46333E+00	0.97296E+00
0.89588E+03	0.86666E+00	0.53411E+00	0.46289E+00	0.97204E+00
0.89598E+03	0.86596E+00	0.53402E+00	0.46244E+00	0.97109E+00

0.89608E+03	0.86530E+00	0.53389E+00	0.46198E+00	0.97011E+00
0.89618E+03	0.86471E+00	0.53375E+00	0.46154E+00	0.96920E+00
0.89628E+03	0.86413E+00	0.53361E+00	0.46111E+00	0.96830E+00
0.89638E+03	0.86356E+00	0.53348E+00	0.46069E+00	0.96741E+00
0.89648E+03	0.86297E+00	0.53334E+00	0.46025E+00	0.96650E+00
0.89658E+03	0.86233E+00	0.53320E+00	0.45980E+00	0.96554E+00
0.89668E+03	0.86167E+00	0.53306E+00	0.45932E+00	0.96454E+00
0.89678E+03	0.86098E+00	0.53293E+00	0.45884E+00	0.96352E+00
0.89688E+03	0.86030E+00	0.53279E+00	0.45836E+00	0.96251E+00
0.89698E+03	0.85965E+00	0.53265E+00	0.45789E+00	0.96154E+00
0.89708E+03	0.85898E+00	0.53253E+00	0.45743E+00	0.96058E+00
0.89718E+03	0.85831E+00	0.53241E+00	0.45697E+00	0.95961E+00
0.89728E+03	0.85764E+00	0.53230E+00	0.45652E+00	0.95865E+00
0.89738E+03	0.85695E+00	0.53218E+00	0.45605E+00	0.95767E+00
0.89748E+03	0.85631E+00	0.53206E+00	0.45560E+00	0.95673E+00
0.89758E+03	0.85570E+00	0.53194E+00	0.45518E+00	0.95584E+00
0.89768E+03	0.85508E+00	0.53182E+00	0.45475E+00	0.95494E+00
0.89778E+03	0.85444E+00	0.53170E+00	0.45430E+00	0.95400E+00
0.89788E+03	0.85376E+00	0.53158E+00	0.45384E+00	0.95303E+00
0.89798E+03	0.85307E+00	0.53146E+00	0.45337E+00	0.95205E+00
0.89808E+03	0.85239E+00	0.53131E+00	0.45288E+00	0.95102E+00
0.89818E+03	0.85172E+00	0.53115E+00	0.45239E+00	0.94998E+00
0.89828E+03	0.85108E+00	0.53099E+00	0.45191E+00	0.94897E+00
0.89838E+03	0.85049E+00	0.53083E+00	0.45146E+00	0.94803E+00
0.89848E+03	0.84995E+00	0.53067E+00	0.45104E+00	0.94715E+00
0.89858E+03	0.84946E+00	0.53051E+00	0.45064E+00	0.94631E+00
0.89868E+03	0.84899E+00	0.53035E+00	0.45026E+00	0.94551E+00
0.89878E+03	0.84855E+00	0.53019E+00	0.44989E+00	0.94474E+00
0.89888E+03	0.84810E+00	0.53003E+00	0.44952E+00	0.94395E+00
0.89898E+03	0.84764E+00	0.52989E+00	0.44915E+00	0.94319E+00
0.89908E+03	0.84718E+00	0.52975E+00	0.44879E+00	0.94243E+00
0.89918E+03	0.84674E+00	0.52961E+00	0.44844E+00	0.94169E+00
0.89928E+03	0.84634E+00	0.52947E+00	0.44811E+00	0.94100E+00
0.89938E+03	0.84600E+00	0.52933E+00	0.44781E+00	0.94037E+00
0.89948E+03	0.84569E+00	0.52919E+00	0.44753E+00	0.93977E+00
0.89958E+03	0.84536E+00	0.52905E+00	0.44723E+00	0.93916E+00
0.89968E+03	0.84502E+00	0.52891E+00	0.44694E+00	0.93854E+00
0.89978E+03	0.84471E+00	0.52877E+00	0.44666E+00	0.93794E+00
0.89988E+03	0.84445E+00	0.52863E+00	0.44640E+00	0.93740E+00
0.89998E+03	0.84422E+00	0.52849E+00	0.44616E+00	0.93690E+00
0.90008E+03	0.84404E+00	0.52831E+00	0.44592E+00	0.93640E+00
0.90018E+03	0.84389E+00	0.52813E+00	0.44569E+00	0.93591E+00
0.90028E+03	0.84373E+00	0.52795E+00	0.44545E+00	0.93541E+00

0.90038E+03	0.84356E+00	0.52777E+00	0.44521E+00	0.93491E+00
0.90048E+03	0.84342E+00	0.52759E+00	0.44498E+00	0.93443E+00
0.90058E+03	0.84332E+00	0.52741E+00	0.44477E+00	0.93399E+00
0.90068E+03	0.84326E+00	0.52723E+00	0.44459E+00	0.93360E+00
0.90078E+03	0.84322E+00	0.52705E+00	0.44441E+00	0.93323E+00
0.90088E+03	0.84320E+00	0.52686E+00	0.44425E+00	0.93288E+00
0.90098E+03	0.84320E+00	0.52668E+00	0.44409E+00	0.93256E+00
0.90108E+03	0.84322E+00	0.52649E+00	0.44395E+00	0.93226E+00
0.90118E+03	0.84327E+00	0.52630E+00	0.44381E+00	0.93198E+00
0.90128E+03	0.84330E+00	0.52612E+00	0.44367E+00	0.93168E+00
0.90138E+03	0.84333E+00	0.52593E+00	0.44353E+00	0.93138E+00
0.90148E+03	0.84338E+00	0.52574E+00	0.44340E+00	0.93110E+00
0.90158E+03	0.84347E+00	0.52556E+00	0.44329E+00	0.93087E+00
0.90168E+03	0.84359E+00	0.52537E+00	0.44319E+00	0.93067E+00
0.90178E+03	0.84373E+00	0.52518E+00	0.44311E+00	0.93049E+00
0.90188E+03	0.84389E+00	0.52499E+00	0.44303E+00	0.93034E+00
0.90198E+03	0.84404E+00	0.52480E+00	0.44295E+00	0.93017E+00
0.90208E+03	0.84413E+00	0.52458E+00	0.44282E+00	0.92988E+00
0.90218E+03	0.84418E+00	0.52436E+00	0.44266E+00	0.92954E+00
0.90228E+03	0.84424E+00	0.52414E+00	0.44250E+00	0.92922E+00
0.90238E+03	0.84435E+00	0.52392E+00	0.44237E+00	0.92895E+00
0.90248E+03	0.84452E+00	0.52370E+00	0.44227E+00	0.92874E+00
0.90258E+03	0.84470E+00	0.52348E+00	0.44218E+00	0.92855E+00
0.90268E+03	0.84488E+00	0.52325E+00	0.44209E+00	0.92835E+00
0.90278E+03	0.84504E+00	0.52302E+00	0.44198E+00	0.92811E+00
0.90288E+03	0.84517E+00	0.52277E+00	0.44183E+00	0.92780E+00
0.90298E+03	0.84530E+00	0.52252E+00	0.44169E+00	0.92751E+00
0.90308E+03	0.84554E+00	0.52225E+00	0.44158E+00	0.92728E+00
0.90318E+03	0.84585E+00	0.52197E+00	0.44151E+00	0.92713E+00
0.90328E+03	0.84615E+00	0.52168E+00	0.44142E+00	0.92695E+00
0.90338E+03	0.84638E+00	0.52140E+00	0.44131E+00	0.92671E+00
0.90348E+03	0.84656E+00	0.52112E+00	0.44116E+00	0.92640E+00
0.90358E+03	0.84671E+00	0.52084E+00	0.44100E+00	0.92607E+00
0.90368E+03	0.84688E+00	0.52056E+00	0.44085E+00	0.92575E+00
0.90378E+03	0.84707E+00	0.52028E+00	0.44071E+00	0.92545E+00
0.90388E+03	0.84730E+00	0.51999E+00	0.44059E+00	0.92521E+00
0.90398E+03	0.84759E+00	0.51971E+00	0.44050E+00	0.92502E+00
0.90408E+03	0.84786E+00	0.51941E+00	0.44039E+00	0.92479E+00
0.90418E+03	0.84812E+00	0.51911E+00	0.44026E+00	0.92452E+00
0.90428E+03	0.84833E+00	0.51880E+00	0.44012E+00	0.92421E+00
0.90438E+03	0.84852E+00	0.51850E+00	0.43996E+00	0.92388E+00
0.90448E+03	0.84873E+00	0.51819E+00	0.43981E+00	0.92356E+00
0.90458E+03	0.84894E+00	0.51789E+00	0.43965E+00	0.92324E+00

0.90468E+03	0.84911E+00	0.51758E+00	0.43948E+00	0.92288E+00
0.90478E+03	0.84927E+00	0.51726E+00	0.43929E+00	0.92248E+00
0.90488E+03	0.84941E+00	0.51694E+00	0.43909E+00	0.92206E+00
0.90498E+03	0.84952E+00	0.51662E+00	0.43888E+00	0.92161E+00
0.90508E+03	0.84959E+00	0.51630E+00	0.43864E+00	0.92111E+00
0.90518E+03	0.84960E+00	0.51598E+00	0.43837E+00	0.92055E+00
0.90528E+03	0.84959E+00	0.51565E+00	0.43810E+00	0.91997E+00
0.90538E+03	0.84957E+00	0.51533E+00	0.43781E+00	0.91936E+00
0.90548E+03	0.84953E+00	0.51501E+00	0.43752E+00	0.91875E+00
0.90558E+03	0.84951E+00	0.51469E+00	0.43723E+00	0.91815E+00
0.90568E+03	0.84947E+00	0.51437E+00	0.43694E+00	0.91754E+00
0.90578E+03	0.84939E+00	0.51404E+00	0.43663E+00	0.91688E+00
0.90588E+03	0.84926E+00	0.51372E+00	0.43628E+00	0.91616E+00
0.90598E+03	0.84909E+00	0.51340E+00	0.43592E+00	0.91540E+00
0.90608E+03	0.84892E+00	0.51307E+00	0.43556E+00	0.91463E+00
0.90618E+03	0.84879E+00	0.51274E+00	0.43521E+00	0.91391E+00
0.90628E+03	0.84871E+00	0.51241E+00	0.43489E+00	0.91323E+00
0.90638E+03	0.84863E+00	0.51208E+00	0.43457E+00	0.91256E+00
0.90648E+03	0.84854E+00	0.51175E+00	0.43424E+00	0.91187E+00
0.90658E+03	0.84842E+00	0.51142E+00	0.43390E+00	0.91116E+00
0.90668E+03	0.84832E+00	0.51110E+00	0.43357E+00	0.91047E+00
0.90678E+03	0.84825E+00	0.51077E+00	0.43326E+00	0.90981E+00
0.90688E+03	0.84818E+00	0.51044E+00	0.43295E+00	0.90916E+00
0.90698E+03	0.84812E+00	0.51012E+00	0.43264E+00	0.90851E+00
0.90708E+03	0.84806E+00	0.50979E+00	0.43233E+00	0.90786E+00
0.90718E+03	0.84795E+00	0.50946E+00	0.43200E+00	0.90716E+00
0.90728E+03	0.84780E+00	0.50913E+00	0.43164E+00	0.90642E+00
0.90738E+03	0.84762E+00	0.50880E+00	0.43127E+00	0.90564E+00
0.90748E+03	0.84744E+00	0.50848E+00	0.43090E+00	0.90486E+00
0.90758E+03	0.84728E+00	0.50815E+00	0.43054E+00	0.90411E+00
0.90768E+03	0.84712E+00	0.50782E+00	0.43019E+00	0.90336E+00
0.90778E+03	0.84698E+00	0.50749E+00	0.42984E+00	0.90262E+00
0.90788E+03	0.84686E+00	0.50716E+00	0.42950E+00	0.90191E+00
0.90798E+03	0.84676E+00	0.50683E+00	0.42917E+00	0.90122E+00
0.90808E+03	0.84664E+00	0.50651E+00	0.42883E+00	0.90052E+00
0.90818E+03	0.84648E+00	0.50619E+00	0.42848E+00	0.89977E+00
0.90828E+03	0.84628E+00	0.50587E+00	0.42811E+00	0.89899E+00
0.90838E+03	0.84606E+00	0.50555E+00	0.42773E+00	0.89819E+00
0.90848E+03	0.84583E+00	0.50523E+00	0.42734E+00	0.89737E+00
0.90858E+03	0.84556E+00	0.50489E+00	0.42692E+00	0.89649E+00
0.90868E+03	0.84525E+00	0.50455E+00	0.42647E+00	0.89556E+00
0.90878E+03	0.84492E+00	0.50420E+00	0.42601E+00	0.89459E+00
0.90888E+03	0.84457E+00	0.50386E+00	0.42554E+00	0.89361E+00

0.90898E+03	0.84421E+00	0.50351E+00	0.42507E+00	0.89262E+00
0.90908E+03	0.84387E+00	0.50317E+00	0.42461E+00	0.89165E+00
0.90918E+03	0.84358E+00	0.50282E+00	0.42417E+00	0.89072E+00
0.90928E+03	0.84331E+00	0.50248E+00	0.42374E+00	0.88983E+00
0.90938E+03	0.84304E+00	0.50213E+00	0.42332E+00	0.88894E+00
0.90948E+03	0.84275E+00	0.50179E+00	0.42288E+00	0.88802E+00
0.90958E+03	0.84244E+00	0.50144E+00	0.42243E+00	0.88708E+00
0.90968E+03	0.84215E+00	0.50110E+00	0.42200E+00	0.88616E+00
0.90978E+03	0.84192E+00	0.50075E+00	0.42159E+00	0.88531E+00
0.90988E+03	0.84175E+00	0.50041E+00	0.42122E+00	0.88453E+00
0.90998E+03	0.84165E+00	0.50006E+00	0.42088E+00	0.88381E+00
0.91008E+03	0.84162E+00	0.49973E+00	0.42058E+00	0.88318E+00
0.91018E+03	0.84163E+00	0.49939E+00	0.42031E+00	0.88261E+00
0.91028E+03	0.84164E+00	0.49906E+00	0.42003E+00	0.88203E+00
0.91038E+03	0.84163E+00	0.49873E+00	0.41974E+00	0.88143E+00
0.91048E+03	0.84160E+00	0.49839E+00	0.41945E+00	0.88081E+00
0.91058E+03	0.84154E+00	0.49804E+00	0.41912E+00	0.88012E+00
0.91068E+03	0.84146E+00	0.49769E+00	0.41878E+00	0.87941E+00
0.91078E+03	0.84138E+00	0.49734E+00	0.41845E+00	0.87871E+00
0.91088E+03	0.84135E+00	0.49699E+00	0.41814E+00	0.87806E+00
0.91098E+03	0.84138E+00	0.49664E+00	0.41786E+00	0.87748E+00
0.91108E+03	0.84144E+00	0.49629E+00	0.41760E+00	0.87692E+00
0.91118E+03	0.84149E+00	0.49594E+00	0.41733E+00	0.87636E+00
0.91128E+03	0.84155E+00	0.49559E+00	0.41706E+00	0.87580E+00
0.91138E+03	0.84162E+00	0.49524E+00	0.41680E+00	0.87525E+00
0.91148E+03	0.84171E+00	0.49489E+00	0.41655E+00	0.87472E+00
0.91158E+03	0.84182E+00	0.49454E+00	0.41631E+00	0.87422E+00
0.91168E+03	0.84197E+00	0.49419E+00	0.41609E+00	0.87376E+00
0.91178E+03	0.84214E+00	0.49384E+00	0.41588E+00	0.87331E+00
0.91188E+03	0.84227E+00	0.49349E+00	0.41565E+00	0.87283E+00
0.91198E+03	0.84232E+00	0.49314E+00	0.41538E+00	0.87227E+00
0.91208E+03	0.84230E+00	0.49281E+00	0.41509E+00	0.87166E+00
0.91218E+03	0.84221E+00	0.49248E+00	0.41477E+00	0.87099E+00
0.91228E+03	0.84207E+00	0.49215E+00	0.41442E+00	0.87026E+00
0.91238E+03	0.84185E+00	0.49182E+00	0.41404E+00	0.86946E+00
0.91248E+03	0.84156E+00	0.49149E+00	0.41362E+00	0.86857E+00
0.91258E+03	0.84114E+00	0.49116E+00	0.41314E+00	0.86755E+00
0.91268E+03	0.84056E+00	0.49083E+00	0.41257E+00	0.86637E+00
0.91278E+03	0.83981E+00	0.49050E+00	0.41192E+00	0.86500E+00
0.91288E+03	0.83887E+00	0.49017E+00	0.41119E+00	0.86346E+00
0.91298E+03	0.83775E+00	0.48983E+00	0.41036E+00	0.86171E+00
0.91308E+03	0.83644E+00	0.48950E+00	0.40944E+00	0.85979E+00
0.91318E+03	0.83494E+00	0.48917E+00	0.40843E+00	0.85767E+00

0.91328E+03	0.83320E+00	0.48884E+00	0.40730E+00	0.85529E+00
0.91338E+03	0.83120E+00	0.48851E+00	0.40604E+00	0.85266E+00
0.91348E+03	0.82894E+00	0.48817E+00	0.40467E+00	0.84977E+00
0.91358E+03	0.82642E+00	0.48784E+00	0.40316E+00	0.84661E+00
0.91368E+03	0.82359E+00	0.48751E+00	0.40151E+00	0.84313E+00
0.91378E+03	0.82039E+00	0.48717E+00	0.39967E+00	0.83928E+00
0.91388E+03	0.81679E+00	0.48684E+00	0.39765E+00	0.83503E+00
0.91398E+03	0.81276E+00	0.48651E+00	0.39542E+00	0.83034E+00
0.91408E+03	0.80831E+00	0.48619E+00	0.39300E+00	0.82526E+00
0.91418E+03	0.80348E+00	0.48589E+00	0.39040E+00	0.81981E+00
0.91428E+03	0.79830E+00	0.48558E+00	0.38764E+00	0.81401E+00
0.91438E+03	0.79281E+00	0.48527E+00	0.38473E+00	0.80790E+00
0.91448E+03	0.78696E+00	0.48497E+00	0.38165E+00	0.80143E+00
0.91458E+03	0.78072E+00	0.48466E+00	0.37838E+00	0.79457E+00
0.91468E+03	0.77407E+00	0.48435E+00	0.37492E+00	0.78731E+00
0.91478E+03	0.76701E+00	0.48405E+00	0.37127E+00	0.77963E+00
0.91488E+03	0.75954E+00	0.48374E+00	0.36742E+00	0.77155E+00
0.91498E+03	0.75168E+00	0.48343E+00	0.36338E+00	0.76308E+00
0.91508E+03	0.74339E+00	0.48312E+00	0.35915E+00	0.75418E+00
0.91518E+03	0.73467E+00	0.48282E+00	0.35471E+00	0.74487E+00
0.91528E+03	0.72553E+00	0.48251E+00	0.35008E+00	0.73513E+00
0.91538E+03	0.71594E+00	0.48220E+00	0.34523E+00	0.72495E+00
0.91548E+03	0.70590E+00	0.48189E+00	0.34017E+00	0.71432E+00
0.91558E+03	0.69543E+00	0.48159E+00	0.33491E+00	0.70328E+00
0.91568E+03	0.68457E+00	0.48128E+00	0.32947E+00	0.69186E+00
0.91578E+03	0.67335E+00	0.48097E+00	0.32386E+00	0.68009E+00
0.91588E+03	0.66180E+00	0.48066E+00	0.31810E+00	0.66799E+00
0.91598E+03	0.64995E+00	0.48035E+00	0.31221E+00	0.65561E+00
0.91608E+03	0.63780E+00	0.48006E+00	0.30619E+00	0.64297E+00
0.91618E+03	0.62536E+00	0.47978E+00	0.30004E+00	0.63005E+00
0.91628E+03	0.61262E+00	0.47949E+00	0.29375E+00	0.61685E+00
0.91638E+03	0.59961E+00	0.47920E+00	0.28733E+00	0.60337E+00
0.91648E+03	0.58635E+00	0.47890E+00	0.28080E+00	0.58967E+00
0.91658E+03	0.57290E+00	0.47860E+00	0.27419E+00	0.57578E+00
0.91668E+03	0.55930E+00	0.47831E+00	0.26752E+00	0.56177E+00
0.91678E+03	0.54560E+00	0.47801E+00	0.26080E+00	0.54767E+00
0.91688E+03	0.53181E+00	0.47771E+00	0.25405E+00	0.53349E+00
0.91698E+03	0.51793E+00	0.47741E+00	0.24727E+00	0.51925E+00
0.91708E+03	0.50401E+00	0.47712E+00	0.24047E+00	0.50498E+00
0.91718E+03	0.49007E+00	0.47682E+00	0.23367E+00	0.49070E+00
0.91728E+03	0.47606E+00	0.47652E+00	0.22685E+00	0.47637E+00
0.91738E+03	0.46196E+00	0.47622E+00	0.21999E+00	0.46197E+00
0.91748E+03	0.44785E+00	0.47592E+00	0.21314E+00	0.44758E+00

0.91758E+03	0.43382E+00	0.47562E+00	0.20634E+00	0.43329E+00
0.91768E+03	0.41990E+00	0.47533E+00	0.19959E+00	0.41912E+00
0.91778E+03	0.40609E+00	0.47503E+00	0.19290E+00	0.40508E+00
0.91788E+03	0.39239E+00	0.47473E+00	0.18628E+00	0.39117E+00
0.91798E+03	0.37879E+00	0.47443E+00	0.17971E+00	0.37738E+00
0.91808E+03	0.36527E+00	0.47414E+00	0.17319E+00	0.36369E+00
0.91818E+03	0.35187E+00	0.47387E+00	0.16674E+00	0.35014E+00
0.91828E+03	0.33867E+00	0.47359E+00	0.16039E+00	0.33681E+00
0.91838E+03	0.32574E+00	0.47332E+00	0.15418E+00	0.32376E+00
0.91848E+03	0.31308E+00	0.47305E+00	0.14810E+00	0.31100E+00
0.91858E+03	0.30070E+00	0.47277E+00	0.14216E+00	0.29853E+00
0.91868E+03	0.28858E+00	0.47250E+00	0.13635E+00	0.28633E+00
0.91878E+03	0.27672E+00	0.47222E+00	0.13067E+00	0.27441E+00
0.91888E+03	0.26514E+00	0.47195E+00	0.12513E+00	0.26277E+00
0.91898E+03	0.25390E+00	0.47167E+00	0.11976E+00	0.25148E+00
0.91908E+03	0.24302E+00	0.47139E+00	0.11456E+00	0.24056E+00
0.91918E+03	0.23252E+00	0.47112E+00	0.10954E+00	0.23004E+00
0.91928E+03	0.22237E+00	0.47084E+00	0.10470E+00	0.21986E+00
0.91938E+03	0.21255E+00	0.47057E+00	0.10002E+00	0.21004E+00
0.91948E+03	0.20309E+00	0.47029E+00	0.95510E-01	0.20056E+00
0.91958E+03	0.19398E+00	0.47002E+00	0.91175E-01	0.19146E+00
0.91968E+03	0.18524E+00	0.46974E+00	0.87015E-01	0.18272E+00
0.91978E+03	0.17685E+00	0.46946E+00	0.83023E-01	0.17434E+00
0.91988E+03	0.16878E+00	0.46919E+00	0.79187E-01	0.16629E+00
0.91998E+03	0.16102E+00	0.46891E+00	0.75503E-01	0.15855E+00
0.92008E+03	0.15359E+00	0.46866E+00	0.71980E-01	0.15115E+00
0.92018E+03	0.14649E+00	0.46843E+00	0.68622E-01	0.14410E+00
0.92028E+03	0.13971E+00	0.46821E+00	0.65414E-01	0.13736E+00
0.92038E+03	0.13322E+00	0.46799E+00	0.62346E-01	0.13092E+00
0.92048E+03	0.12701E+00	0.46777E+00	0.59413E-01	0.12476E+00
0.92058E+03	0.12107E+00	0.46755E+00	0.56608E-01	0.11887E+00
0.92068E+03	0.11535E+00	0.46733E+00	0.53908E-01	0.11320E+00
0.92078E+03	0.10986E+00	0.46711E+00	0.51317E-01	0.10776E+00
0.92088E+03	0.10464E+00	0.46689E+00	0.48856E-01	0.10259E+00
0.92098E+03	0.99719E-01	0.46667E+00	0.46535E-01	0.97721E-01
0.92108E+03	0.95105E-01	0.46645E+00	0.44361E-01	0.93155E-01
0.92118E+03	0.90784E-01	0.46623E+00	0.42326E-01	0.88881E-01
0.92128E+03	0.86696E-01	0.46600E+00	0.40401E-01	0.84839E-01
0.92138E+03	0.82785E-01	0.46578E+00	0.38560E-01	0.80973E-01
0.92148E+03	0.79013E-01	0.46556E+00	0.36786E-01	0.77247E-01
0.92158E+03	0.75401E-01	0.46534E+00	0.35087E-01	0.73680E-01
0.92168E+03	0.71968E-01	0.46512E+00	0.33474E-01	0.70293E-01
0.92178E+03	0.68715E-01	0.46490E+00	0.31946E-01	0.67084E-01

0.92188E+03	0.65646E-01	0.46468E+00	0.30504E-01	0.64057E-01
0.92198E+03	0.62742E-01	0.46446E+00	0.29141E-01	0.61194E-01
0.92208E+03	0.59972E-01	0.46427E+00	0.27843E-01	0.58469E-01
0.92218E+03	0.57336E-01	0.46408E+00	0.26609E-01	0.55876E-01
0.92228E+03	0.54805E-01	0.46390E+00	0.25424E-01	0.53388E-01
0.92238E+03	0.52384E-01	0.46371E+00	0.24291E-01	0.51009E-01
0.92248E+03	0.50091E-01	0.46352E+00	0.23218E-01	0.48757E-01
0.92258E+03	0.47928E-01	0.46334E+00	0.22207E-01	0.46632E-01
0.92268E+03	0.45886E-01	0.46315E+00	0.21252E-01	0.44628E-01
0.92278E+03	0.43954E-01	0.46296E+00	0.20349E-01	0.42731E-01
0.92288E+03	0.42116E-01	0.46279E+00	0.19491E-01	0.40929E-01
0.92298E+03	0.40370E-01	0.46262E+00	0.18676E-01	0.39218E-01
0.92308E+03	0.38690E-01	0.46245E+00	0.17892E-01	0.37573E-01
0.92318E+03	0.37067E-01	0.46228E+00	0.17135E-01	0.35983E-01
0.92328E+03	0.35489E-01	0.46211E+00	0.16400E-01	0.34438E-01
0.92338E+03	0.33944E-01	0.46195E+00	0.15680E-01	0.32927E-01
0.92348E+03	0.32448E-01	0.46178E+00	0.14984E-01	0.31464E-01
0.92358E+03	0.31025E-01	0.46161E+00	0.14321E-01	0.30073E-01
0.92368E+03	0.29692E-01	0.46144E+00	0.13701E-01	0.28771E-01
0.92378E+03	0.28457E-01	0.46127E+00	0.13126E-01	0.27564E-01
0.92388E+03	0.27295E-01	0.46110E+00	0.12586E-01	0.26429E-01
0.92398E+03	0.26199E-01	0.46093E+00	0.12076E-01	0.25358E-01
0.92408E+03	0.25158E-01	0.46080E+00	0.11593E-01	0.24344E-01
0.92418E+03	0.24145E-01	0.46067E+00	0.11123E-01	0.23357E-01
0.92428E+03	0.23147E-01	0.46054E+00	0.10660E-01	0.22386E-01
0.92438E+03	0.22210E-01	0.46041E+00	0.10226E-01	0.21474E-01
0.92448E+03	0.21390E-01	0.46029E+00	0.98457E-02	0.20675E-01
0.92458E+03	0.20666E-01	0.46016E+00	0.95095E-02	0.19969E-01
0.92468E+03	0.19973E-01	0.46003E+00	0.91883E-02	0.19295E-01
0.92478E+03	0.19313E-01	0.45990E+00	0.88819E-02	0.18651E-01
0.92488E+03	0.18657E-01	0.45978E+00	0.85783E-02	0.18014E-01
0.92498E+03	0.17986E-01	0.45965E+00	0.82672E-02	0.17360E-01
0.92508E+03	0.17315E-01	0.45952E+00	0.79566E-02	0.16708E-01
0.92518E+03	0.16652E-01	0.45939E+00	0.76498E-02	0.16064E-01
0.92528E+03	0.16033E-01	0.45927E+00	0.73634E-02	0.15463E-01
0.92538E+03	0.15463E-01	0.45914E+00	0.70999E-02	0.14909E-01
0.92548E+03	0.14909E-01	0.45902E+00	0.68435E-02	0.14371E-01
0.92558E+03	0.14372E-01	0.45889E+00	0.65953E-02	0.13850E-01
0.92568E+03	0.13837E-01	0.45876E+00	0.63480E-02	0.13330E-01
0.92578E+03	0.13306E-01	0.45864E+00	0.61027E-02	0.12815E-01
0.92588E+03	0.12820E-01	0.45851E+00	0.58783E-02	0.12344E-01
0.92598E+03	0.12379E-01	0.45839E+00	0.56742E-02	0.11915E-01
0.92608E+03	0.11941E-01	0.45829E+00	0.54726E-02	0.11492E-01

0.92618E+03	0.11508E-01	0.45820E+00	0.52730E-02	0.11073E-01
0.92628E+03	0.11077E-01	0.45812E+00	0.50747E-02	0.10656E-01
0.92638E+03	0.10652E-01	0.45803E+00	0.48789E-02	0.10245E-01
0.92648E+03	0.10238E-01	0.45794E+00	0.46884E-02	0.98452E-02
0.92658E+03	0.98366E-02	0.45786E+00	0.45038E-02	0.94576E-02
0.92668E+03	0.94477E-02	0.45777E+00	0.43249E-02	0.90819E-02
0.92678E+03	0.90627E-02	0.45769E+00	0.41479E-02	0.87102E-02
0.92688E+03	0.87017E-02	0.45760E+00	0.39819E-02	0.83617E-02
0.92698E+03	0.83538E-02	0.45751E+00	0.38220E-02	0.80259E-02
0.92708E+03	0.80380E-02	0.45743E+00	0.36768E-02	0.77210E-02
0.92718E+03	0.77545E-02	0.45734E+00	0.35465E-02	0.74473E-02
0.92728E+03	0.74716E-02	0.45726E+00	0.34164E-02	0.71743E-02
0.92738E+03	0.71911E-02	0.45718E+00	0.32876E-02	0.69036E-02
0.92748E+03	0.69557E-02	0.45709E+00	0.31794E-02	0.66765E-02
0.92758E+03	0.67313E-02	0.45701E+00	0.30763E-02	0.64599E-02
0.92768E+03	0.65079E-02	0.45692E+00	0.29736E-02	0.62443E-02
0.92778E+03	0.62852E-02	0.45684E+00	0.28713E-02	0.60295E-02
0.92788E+03	0.60631E-02	0.45676E+00	0.27693E-02	0.58154E-02
0.92798E+03	0.58567E-02	0.45668E+00	0.26746E-02	0.56165E-02
0.92808E+03	0.56505E-02	0.45663E+00	0.25802E-02	0.54182E-02
0.92818E+03	0.54463E-02	0.45659E+00	0.24867E-02	0.52219E-02
0.92828E+03	0.52448E-02	0.45655E+00	0.23945E-02	0.50283E-02
0.92838E+03	0.50434E-02	0.45652E+00	0.23024E-02	0.48348E-02
0.92848E+03	0.48423E-02	0.45648E+00	0.22104E-02	0.46417E-02
0.92858E+03	0.46425E-02	0.45644E+00	0.21190E-02	0.44498E-02
0.92868E+03	0.44547E-02	0.45640E+00	0.20331E-02	0.42694E-02
0.92878E+03	0.42685E-02	0.45636E+00	0.19480E-02	0.40906E-02
0.92888E+03	0.40843E-02	0.45632E+00	0.18638E-02	0.39138E-02
0.92898E+03	0.39059E-02	0.45628E+00	0.17822E-02	0.37424E-02
0.92908E+03	0.37321E-02	0.45624E+00	0.17027E-02	0.35756E-02
0.92918E+03	0.35599E-02	0.45620E+00	0.16240E-02	0.34104E-02
0.92928E+03	0.34032E-02	0.45617E+00	0.15524E-02	0.32599E-02
0.92938E+03	0.32513E-02	0.45613E+00	0.14830E-02	0.31141E-02
0.92948E+03	0.31040E-02	0.45609E+00	0.14157E-02	0.29728E-02
0.92958E+03	0.29678E-02	0.45605E+00	0.13535E-02	0.28422E-02
0.92968E+03	0.28326E-02	0.45601E+00	0.12917E-02	0.27125E-02
0.92978E+03	0.27013E-02	0.45596E+00	0.12317E-02	0.25865E-02
0.92988E+03	0.25715E-02	0.45590E+00	0.11723E-02	0.24618E-02
0.92998E+03	0.24434E-02	0.45584E+00	0.11138E-02	0.23389E-02
0.93008E+03	0.23156E-02	0.45582E+00	0.10555E-02	0.22164E-02
0.93018E+03	0.21965E-02	0.45580E+00	0.10012E-02	0.21023E-02
0.93028E+03	0.20780E-02	0.45578E+00	0.94712E-03	0.19889E-02
0.93038E+03	0.19604E-02	0.45577E+00	0.89347E-03	0.18762E-02

0.93048E+03	0.18427E-02	0.45575E+00	0.83983E-03	0.17636E-02
0.93058E+03	0.17261E-02	0.45573E+00	0.78664E-03	0.16519E-02
0.93068E+03	0.16104E-02	0.45572E+00	0.73388E-03	0.15411E-02
0.93078E+03	0.15051E-02	0.45570E+00	0.68587E-03	0.14403E-02
0.93088E+03	0.14043E-02	0.45568E+00	0.63991E-03	0.13438E-02
0.93098E+03	0.13043E-02	0.45566E+00	0.59435E-03	0.12481E-02
0.93108E+03	0.12079E-02	0.45565E+00	0.55039E-03	0.11558E-02
0.93118E+03	0.11171E-02	0.45563E+00	0.50898E-03	0.10688E-02
0.93128E+03	0.10275E-02	0.45561E+00	0.46816E-03	0.98310E-03
0.93138E+03	0.93800E-03	0.45560E+00	0.42735E-03	0.89741E-03
0.93148E+03	0.85271E-03	0.45558E+00	0.38848E-03	0.81577E-03
0.93158E+03	0.76812E-03	0.45556E+00	0.34993E-03	0.73482E-03
0.93168E+03	0.69159E-03	0.45555E+00	0.31505E-03	0.66158E-03
0.93178E+03	0.61665E-03	0.45553E+00	0.28090E-03	0.58987E-03
0.93188E+03	0.54684E-03	0.45551E+00	0.24909E-03	0.52307E-03
0.93198E+03	0.48101E-03	0.45549E+00	0.21909E-03	0.46007E-03
0.93208E+03	0.42344E-03	0.45549E+00	0.19287E-03	0.40502E-03
0.93218E+03	0.36666E-03	0.45550E+00	0.16702E-03	0.35072E-03
0.93228E+03	0.31132E-03	0.45551E+00	0.14181E-03	0.29778E-03
0.93238E+03	0.25731E-03	0.45552E+00	0.11721E-03	0.24614E-03
0.93248E+03	0.21212E-03	0.45553E+00	0.96627E-04	0.20291E-03
0.93258E+03	0.16848E-03	0.45554E+00	0.76749E-04	0.16117E-03
0.93268E+03	0.12846E-03	0.45555E+00	0.58518E-04	0.12288E-03
0.93278E+03	0.93439E-04	0.45556E+00	0.42567E-04	0.89387E-04
0.93288E+03	0.61745E-04	0.45557E+00	0.28129E-04	0.59069E-04
0.93298E+03	0.31210E-04	0.45558E+00	0.14218E-04	0.29858E-04
0.93308E+03	0.65434E-05	0.45559E+00	0.29811E-05	0.62600E-05
0.93318E+03	0.00000E+00	0.45560E+00	0.00000E+00	0.00000E+00
Channel 9				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.99723E+03	0.00000E+00	0.42675E+00	0.00000E+00	0.00000E+00
0.99733E+03	0.24724E-04	0.42679E+00	0.10552E-04	0.28513E-04
0.99743E+03	0.64974E-04	0.42682E+00	0.27732E-04	0.74940E-04
0.99753E+03	0.10660E-03	0.42685E+00	0.45502E-04	0.12296E-03
0.99763E+03	0.15185E-03	0.42689E+00	0.64824E-04	0.17517E-03
0.99773E+03	0.19860E-03	0.42692E+00	0.84787E-04	0.22912E-03
0.99783E+03	0.25152E-03	0.42695E+00	0.10739E-03	0.29019E-03
0.99793E+03	0.30629E-03	0.42699E+00	0.13078E-03	0.35341E-03
0.99803E+03	0.36139E-03	0.42702E+00	0.15432E-03	0.41702E-03
0.99813E+03	0.41772E-03	0.42706E+00	0.17839E-03	0.48206E-03

0.99823E+03	0.47742E-03	0.42709E+00	0.20390E-03	0.55101E-03
0.99833E+03	0.53934E-03	0.42713E+00	0.23037E-03	0.62252E-03
0.99843E+03	0.60183E-03	0.42717E+00	0.25708E-03	0.69471E-03
0.99853E+03	0.66558E-03	0.42720E+00	0.28434E-03	0.76837E-03
0.99863E+03	0.73085E-03	0.42724E+00	0.31225E-03	0.84378E-03
0.99873E+03	0.80006E-03	0.42728E+00	0.34185E-03	0.92377E-03
0.99883E+03	0.87216E-03	0.42731E+00	0.37269E-03	0.10071E-02
0.99893E+03	0.95549E-03	0.42735E+00	0.40833E-03	0.11034E-02
0.99903E+03	0.10458E-02	0.42739E+00	0.44698E-03	0.12079E-02
0.99913E+03	0.11381E-02	0.42742E+00	0.48644E-03	0.13145E-02
0.99923E+03	0.12343E-02	0.42746E+00	0.52760E-03	0.14257E-02
0.99933E+03	0.13369E-02	0.42749E+00	0.57150E-03	0.15444E-02
0.99943E+03	0.14500E-02	0.42752E+00	0.61990E-03	0.16751E-02
0.99953E+03	0.15701E-02	0.42755E+00	0.67129E-03	0.18140E-02
0.99963E+03	0.16914E-02	0.42758E+00	0.72322E-03	0.19543E-02
0.99973E+03	0.18142E-02	0.42761E+00	0.77577E-03	0.20964E-02
0.99983E+03	0.19390E-02	0.42764E+00	0.82921E-03	0.22407E-02
0.99993E+03	0.20671E-02	0.42767E+00	0.88402E-03	0.23889E-02
0.10000E+04	0.22004E-02	0.42770E+00	0.94110E-03	0.25431E-02
0.10001E+04	0.23346E-02	0.42772E+00	0.99857E-03	0.26984E-02
0.10002E+04	0.24694E-02	0.42774E+00	0.10563E-02	0.28543E-02
0.10003E+04	0.26078E-02	0.42776E+00	0.11155E-02	0.30144E-02
0.10004E+04	0.27516E-02	0.42779E+00	0.11771E-02	0.31808E-02
0.10005E+04	0.28961E-02	0.42781E+00	0.12390E-02	0.33481E-02
0.10006E+04	0.30429E-02	0.42783E+00	0.13018E-02	0.35179E-02
0.10007E+04	0.31969E-02	0.42785E+00	0.13678E-02	0.36962E-02
0.10008E+04	0.33566E-02	0.42788E+00	0.14362E-02	0.38810E-02
0.10009E+04	0.35231E-02	0.42790E+00	0.15075E-02	0.40738E-02
0.10010E+04	0.37035E-02	0.42792E+00	0.15848E-02	0.42826E-02
0.10011E+04	0.38856E-02	0.42795E+00	0.16628E-02	0.44934E-02
0.10012E+04	0.40807E-02	0.42798E+00	0.17465E-02	0.47194E-02
0.10013E+04	0.42764E-02	0.42801E+00	0.18303E-02	0.49461E-02
0.10014E+04	0.44773E-02	0.42805E+00	0.19165E-02	0.51789E-02
0.10015E+04	0.46789E-02	0.42808E+00	0.20029E-02	0.54125E-02
0.10016E+04	0.48836E-02	0.42811E+00	0.20908E-02	0.56498E-02
0.10017E+04	0.50903E-02	0.42815E+00	0.21794E-02	0.58893E-02
0.10018E+04	0.53016E-02	0.42818E+00	0.22700E-02	0.61342E-02
0.10019E+04	0.55142E-02	0.42822E+00	0.23613E-02	0.63808E-02
0.10020E+04	0.57292E-02	0.42825E+00	0.24535E-02	0.66301E-02
0.10021E+04	0.59445E-02	0.42829E+00	0.25460E-02	0.68800E-02
0.10022E+04	0.61607E-02	0.42833E+00	0.26388E-02	0.71308E-02
0.10023E+04	0.63772E-02	0.42837E+00	0.27318E-02	0.73822E-02
0.10024E+04	0.65939E-02	0.42842E+00	0.28249E-02	0.76338E-02

0.10025E+04	0.68110E-02	0.42846E+00	0.29182E-02	0.78858E-02
0.10026E+04	0.70329E-02	0.42850E+00	0.30136E-02	0.81435E-02
0.10027E+04	0.72589E-02	0.42854E+00	0.31107E-02	0.84060E-02
0.10028E+04	0.74850E-02	0.42858E+00	0.32079E-02	0.86687E-02
0.10029E+04	0.77229E-02	0.42862E+00	0.33102E-02	0.89450E-02
0.10030E+04	0.79680E-02	0.42866E+00	0.34155E-02	0.92298E-02
0.10031E+04	0.82152E-02	0.42870E+00	0.35218E-02	0.95169E-02
0.10032E+04	0.84634E-02	0.42873E+00	0.36285E-02	0.98052E-02
0.10033E+04	0.87177E-02	0.42876E+00	0.37378E-02	0.10101E-01
0.10034E+04	0.89737E-02	0.42880E+00	0.38479E-02	0.10398E-01
0.10035E+04	0.92364E-02	0.42883E+00	0.39609E-02	0.10703E-01
0.10036E+04	0.95049E-02	0.42887E+00	0.40763E-02	0.11015E-01
0.10037E+04	0.97754E-02	0.42890E+00	0.41927E-02	0.11330E-01
0.10038E+04	0.10048E-01	0.42893E+00	0.43097E-02	0.11646E-01
0.10039E+04	0.10321E-01	0.42897E+00	0.44273E-02	0.11964E-01
0.10040E+04	0.10594E-01	0.42900E+00	0.45449E-02	0.12282E-01
0.10041E+04	0.10877E-01	0.42903E+00	0.46665E-02	0.12610E-01
0.10042E+04	0.11166E-01	0.42906E+00	0.47909E-02	0.12946E-01
0.10043E+04	0.11457E-01	0.42910E+00	0.49162E-02	0.13285E-01
0.10044E+04	0.11749E-01	0.42913E+00	0.50418E-02	0.13624E-01
0.10045E+04	0.12043E-01	0.42916E+00	0.51685E-02	0.13967E-01
0.10046E+04	0.12350E-01	0.42919E+00	0.53005E-02	0.14323E-01
0.10047E+04	0.12664E-01	0.42922E+00	0.54358E-02	0.14689E-01
0.10048E+04	0.12985E-01	0.42925E+00	0.55736E-02	0.15061E-01
0.10049E+04	0.13308E-01	0.42928E+00	0.57128E-02	0.15437E-01
0.10050E+04	0.13639E-01	0.42931E+00	0.58553E-02	0.15823E-01
0.10051E+04	0.13974E-01	0.42934E+00	0.59995E-02	0.16212E-01
0.10052E+04	0.14328E-01	0.42936E+00	0.61519E-02	0.16624E-01
0.10053E+04	0.14722E-01	0.42939E+00	0.63213E-02	0.17082E-01
0.10054E+04	0.15124E-01	0.42942E+00	0.64945E-02	0.17550E-01
0.10055E+04	0.15534E-01	0.42944E+00	0.66708E-02	0.18026E-01
0.10056E+04	0.16009E-01	0.42947E+00	0.68752E-02	0.18579E-01
0.10057E+04	0.16509E-01	0.42950E+00	0.70905E-02	0.19161E-01
0.10058E+04	0.17011E-01	0.42953E+00	0.73067E-02	0.19745E-01
0.10059E+04	0.17530E-01	0.42955E+00	0.75300E-02	0.20348E-01
0.10060E+04	0.18057E-01	0.42958E+00	0.77568E-02	0.20961E-01
0.10061E+04	0.18592E-01	0.42961E+00	0.79873E-02	0.21584E-01
0.10062E+04	0.19131E-01	0.42964E+00	0.82193E-02	0.22211E-01
0.10063E+04	0.19677E-01	0.42966E+00	0.84547E-02	0.22847E-01
0.10064E+04	0.20228E-01	0.42969E+00	0.86920E-02	0.23488E-01
0.10065E+04	0.20792E-01	0.42972E+00	0.89347E-02	0.24144E-01
0.10066E+04	0.21374E-01	0.42975E+00	0.91855E-02	0.24822E-01
0.10067E+04	0.21969E-01	0.42978E+00	0.94419E-02	0.25515E-01

0.10068E+04	0.22568E-01	0.42980E+00	0.97000E-02	0.26212E-01
0.10069E+04	0.23172E-01	0.42983E+00	0.99602E-02	0.26915E-01
0.10070E+04	0.23784E-01	0.42985E+00	0.10224E-01	0.27627E-01
0.10071E+04	0.24425E-01	0.42987E+00	0.10500E-01	0.28373E-01
0.10072E+04	0.25103E-01	0.42990E+00	0.10792E-01	0.29162E-01
0.10073E+04	0.25792E-01	0.42992E+00	0.11089E-01	0.29964E-01
0.10074E+04	0.26512E-01	0.42994E+00	0.11399E-01	0.30802E-01
0.10075E+04	0.27268E-01	0.42996E+00	0.11724E-01	0.31682E-01
0.10076E+04	0.28053E-01	0.42998E+00	0.12062E-01	0.32596E-01
0.10077E+04	0.28852E-01	0.43000E+00	0.12406E-01	0.33525E-01
0.10078E+04	0.29672E-01	0.43002E+00	0.12760E-01	0.34480E-01
0.10079E+04	0.30508E-01	0.43005E+00	0.13120E-01	0.35454E-01
0.10080E+04	0.31356E-01	0.43007E+00	0.13485E-01	0.36440E-01
0.10081E+04	0.32220E-01	0.43009E+00	0.13857E-01	0.37446E-01
0.10082E+04	0.33087E-01	0.43011E+00	0.14231E-01	0.38457E-01
0.10083E+04	0.33958E-01	0.43013E+00	0.14606E-01	0.39470E-01
0.10084E+04	0.34846E-01	0.43016E+00	0.14989E-01	0.40504E-01
0.10085E+04	0.35737E-01	0.43018E+00	0.15373E-01	0.41543E-01
0.10086E+04	0.36632E-01	0.43020E+00	0.15759E-01	0.42586E-01
0.10087E+04	0.37551E-01	0.43022E+00	0.16155E-01	0.43656E-01
0.10088E+04	0.38471E-01	0.43024E+00	0.16552E-01	0.44728E-01
0.10089E+04	0.39392E-01	0.43027E+00	0.16949E-01	0.45801E-01
0.10090E+04	0.40322E-01	0.43029E+00	0.17350E-01	0.46884E-01
0.10091E+04	0.41269E-01	0.43031E+00	0.17759E-01	0.47988E-01
0.10092E+04	0.42217E-01	0.43033E+00	0.18168E-01	0.49094E-01
0.10093E+04	0.43173E-01	0.43035E+00	0.18580E-01	0.50208E-01
0.10094E+04	0.44222E-01	0.43037E+00	0.19032E-01	0.51429E-01
0.10095E+04	0.45408E-01	0.43040E+00	0.19543E-01	0.52812E-01
0.10096E+04	0.46741E-01	0.43042E+00	0.20118E-01	0.54365E-01
0.10097E+04	0.48152E-01	0.43044E+00	0.20727E-01	0.56009E-01
0.10098E+04	0.49619E-01	0.43046E+00	0.21359E-01	0.57718E-01
0.10099E+04	0.51173E-01	0.43048E+00	0.22029E-01	0.59528E-01
0.10100E+04	0.52863E-01	0.43050E+00	0.22757E-01	0.61497E-01
0.10101E+04	0.54644E-01	0.43052E+00	0.23525E-01	0.63572E-01
0.10102E+04	0.56475E-01	0.43053E+00	0.24314E-01	0.65703E-01
0.10103E+04	0.58338E-01	0.43055E+00	0.25117E-01	0.67874E-01
0.10104E+04	0.60231E-01	0.43057E+00	0.25934E-01	0.70080E-01
0.10105E+04	0.62134E-01	0.43058E+00	0.26754E-01	0.72296E-01
0.10106E+04	0.64030E-01	0.43060E+00	0.27571E-01	0.74505E-01
0.10107E+04	0.65984E-01	0.43061E+00	0.28414E-01	0.76782E-01
0.10108E+04	0.68052E-01	0.43062E+00	0.29304E-01	0.79189E-01
0.10109E+04	0.70197E-01	0.43062E+00	0.30228E-01	0.81684E-01
0.10110E+04	0.72413E-01	0.43061E+00	0.31182E-01	0.84262E-01

0.10111E+04	0.74716E-01	0.43061E+00	0.32174E-01	0.86942E-01
0.10112E+04	0.77141E-01	0.43061E+00	0.33218E-01	0.89763E-01
0.10113E+04	0.79678E-01	0.43061E+00	0.34310E-01	0.92715E-01
0.10114E+04	0.82328E-01	0.43060E+00	0.35451E-01	0.95798E-01
0.10115E+04	0.85080E-01	0.43060E+00	0.36636E-01	0.99000E-01
0.10116E+04	0.87967E-01	0.43060E+00	0.37878E-01	0.10236E+00
0.10117E+04	0.90936E-01	0.43060E+00	0.39156E-01	0.10581E+00
0.10118E+04	0.93951E-01	0.43059E+00	0.40454E-01	0.10932E+00
0.10119E+04	0.97039E-01	0.43059E+00	0.41784E-01	0.11291E+00
0.10120E+04	0.10025E+00	0.43059E+00	0.43165E-01	0.11664E+00
0.10121E+04	0.10356E+00	0.43059E+00	0.44589E-01	0.12049E+00
0.10122E+04	0.10696E+00	0.43058E+00	0.46054E-01	0.12445E+00
0.10123E+04	0.11045E+00	0.43058E+00	0.47556E-01	0.12851E+00
0.10124E+04	0.11404E+00	0.43058E+00	0.49103E-01	0.13269E+00
0.10125E+04	0.11774E+00	0.43058E+00	0.50698E-01	0.13700E+00
0.10126E+04	0.12157E+00	0.43058E+00	0.52347E-01	0.14145E+00
0.10127E+04	0.12553E+00	0.43058E+00	0.54050E-01	0.14606E+00
0.10128E+04	0.12964E+00	0.43058E+00	0.55822E-01	0.15085E+00
0.10129E+04	0.13386E+00	0.43059E+00	0.57637E-01	0.15575E+00
0.10130E+04	0.13818E+00	0.43059E+00	0.59498E-01	0.16078E+00
0.10131E+04	0.14261E+00	0.43059E+00	0.61408E-01	0.16594E+00
0.10132E+04	0.14714E+00	0.43060E+00	0.63359E-01	0.17121E+00
0.10133E+04	0.15181E+00	0.43060E+00	0.65370E-01	0.17665E+00
0.10134E+04	0.15667E+00	0.43060E+00	0.67464E-01	0.18231E+00
0.10135E+04	0.16172E+00	0.43061E+00	0.69640E-01	0.18819E+00
0.10136E+04	0.16699E+00	0.43061E+00	0.71908E-01	0.19432E+00
0.10137E+04	0.17242E+00	0.43061E+00	0.74247E-01	0.20064E+00
0.10138E+04	0.17801E+00	0.43061E+00	0.76654E-01	0.20714E+00
0.10139E+04	0.18376E+00	0.43062E+00	0.79130E-01	0.21383E+00
0.10140E+04	0.18970E+00	0.43062E+00	0.81688E-01	0.22074E+00
0.10141E+04	0.19587E+00	0.43062E+00	0.84344E-01	0.22792E+00
0.10142E+04	0.20229E+00	0.43062E+00	0.87110E-01	0.23540E+00
0.10143E+04	0.20889E+00	0.43061E+00	0.89950E-01	0.24307E+00
0.10144E+04	0.21562E+00	0.43061E+00	0.92850E-01	0.25091E+00
0.10145E+04	0.22249E+00	0.43061E+00	0.95806E-01	0.25889E+00
0.10146E+04	0.22948E+00	0.43061E+00	0.98818E-01	0.26703E+00
0.10147E+04	0.23659E+00	0.43063E+00	0.10188E+00	0.27532E+00
0.10148E+04	0.24380E+00	0.43065E+00	0.10499E+00	0.28372E+00
0.10149E+04	0.25114E+00	0.43067E+00	0.10816E+00	0.29227E+00
0.10150E+04	0.25863E+00	0.43069E+00	0.11139E+00	0.30100E+00
0.10151E+04	0.26631E+00	0.43071E+00	0.11470E+00	0.30995E+00
0.10152E+04	0.27423E+00	0.43073E+00	0.11812E+00	0.31919E+00
0.10153E+04	0.28237E+00	0.43075E+00	0.12163E+00	0.32868E+00

0.10154E+04	0.29075E+00	0.43077E+00	0.12524E+00	0.33844E+00
0.10155E+04	0.29930E+00	0.43079E+00	0.12893E+00	0.34842E+00
0.10156E+04	0.30804E+00	0.43080E+00	0.13271E+00	0.35861E+00
0.10157E+04	0.31694E+00	0.43082E+00	0.13655E+00	0.36899E+00
0.10158E+04	0.32601E+00	0.43084E+00	0.14046E+00	0.37956E+00
0.10159E+04	0.33524E+00	0.43086E+00	0.14444E+00	0.39032E+00
0.10160E+04	0.34461E+00	0.43088E+00	0.14849E+00	0.40125E+00
0.10161E+04	0.35405E+00	0.43089E+00	0.15256E+00	0.41225E+00
0.10162E+04	0.36356E+00	0.43090E+00	0.15666E+00	0.42333E+00
0.10163E+04	0.37314E+00	0.43090E+00	0.16079E+00	0.43449E+00
0.10164E+04	0.38282E+00	0.43091E+00	0.16496E+00	0.44578E+00
0.10165E+04	0.39258E+00	0.43092E+00	0.16917E+00	0.45715E+00
0.10166E+04	0.40241E+00	0.43094E+00	0.17341E+00	0.46860E+00
0.10167E+04	0.41232E+00	0.43095E+00	0.17769E+00	0.48016E+00
0.10168E+04	0.42229E+00	0.43096E+00	0.18199E+00	0.49179E+00
0.10169E+04	0.43229E+00	0.43097E+00	0.18631E+00	0.50345E+00
0.10170E+04	0.44236E+00	0.43099E+00	0.19065E+00	0.51520E+00
0.10171E+04	0.45251E+00	0.43100E+00	0.19503E+00	0.52703E+00
0.10172E+04	0.46274E+00	0.43101E+00	0.19945E+00	0.53896E+00
0.10173E+04	0.47300E+00	0.43102E+00	0.20387E+00	0.55092E+00
0.10174E+04	0.48327E+00	0.43104E+00	0.20830E+00	0.56290E+00
0.10175E+04	0.49352E+00	0.43105E+00	0.21273E+00	0.57486E+00
0.10176E+04	0.50374E+00	0.43106E+00	0.21714E+00	0.58678E+00
0.10177E+04	0.51387E+00	0.43107E+00	0.22152E+00	0.59860E+00
0.10178E+04	0.52394E+00	0.43108E+00	0.22586E+00	0.61035E+00
0.10179E+04	0.53398E+00	0.43110E+00	0.23019E+00	0.62205E+00
0.10180E+04	0.54396E+00	0.43110E+00	0.23450E+00	0.63368E+00
0.10181E+04	0.55383E+00	0.43110E+00	0.23876E+00	0.64519E+00
0.10182E+04	0.56360E+00	0.43110E+00	0.24297E+00	0.65657E+00
0.10183E+04	0.57328E+00	0.43110E+00	0.24714E+00	0.66783E+00
0.10184E+04	0.58286E+00	0.43109E+00	0.25127E+00	0.67899E+00
0.10185E+04	0.59232E+00	0.43109E+00	0.25535E+00	0.69002E+00
0.10186E+04	0.60164E+00	0.43110E+00	0.25937E+00	0.70088E+00
0.10187E+04	0.61081E+00	0.43111E+00	0.26333E+00	0.71158E+00
0.10188E+04	0.61984E+00	0.43111E+00	0.26722E+00	0.72210E+00
0.10189E+04	0.62871E+00	0.43112E+00	0.27105E+00	0.73245E+00
0.10190E+04	0.63751E+00	0.43112E+00	0.27484E+00	0.74271E+00
0.10191E+04	0.64616E+00	0.43113E+00	0.27858E+00	0.75280E+00
0.10192E+04	0.65466E+00	0.43114E+00	0.28225E+00	0.76271E+00
0.10193E+04	0.66300E+00	0.43114E+00	0.28585E+00	0.77244E+00
0.10194E+04	0.67114E+00	0.43115E+00	0.28936E+00	0.78193E+00
0.10195E+04	0.67906E+00	0.43115E+00	0.29278E+00	0.79117E+00
0.10196E+04	0.68679E+00	0.43116E+00	0.29612E+00	0.80019E+00

0.10197E+04	0.69432E+00	0.43116E+00	0.29937E+00	0.80897E+00
0.10198E+04	0.70172E+00	0.43117E+00	0.30256E+00	0.81760E+00
0.10199E+04	0.70895E+00	0.43118E+00	0.30568E+00	0.82604E+00
0.10200E+04	0.71597E+00	0.43118E+00	0.30871E+00	0.83423E+00
0.10201E+04	0.72277E+00	0.43118E+00	0.31165E+00	0.84215E+00
0.10202E+04	0.72939E+00	0.43118E+00	0.31450E+00	0.84986E+00
0.10203E+04	0.73578E+00	0.43118E+00	0.31726E+00	0.85732E+00
0.10204E+04	0.74200E+00	0.43119E+00	0.31994E+00	0.86456E+00
0.10205E+04	0.74801E+00	0.43120E+00	0.32254E+00	0.87160E+00
0.10206E+04	0.75383E+00	0.43121E+00	0.32506E+00	0.87839E+00
0.10207E+04	0.75941E+00	0.43122E+00	0.32747E+00	0.88492E+00
0.10208E+04	0.76477E+00	0.43123E+00	0.32979E+00	0.89118E+00
0.10209E+04	0.76994E+00	0.43124E+00	0.33203E+00	0.89723E+00
0.10210E+04	0.77496E+00	0.43125E+00	0.33420E+00	0.90310E+00
0.10211E+04	0.77982E+00	0.43126E+00	0.33631E+00	0.90879E+00
0.10212E+04	0.78449E+00	0.43127E+00	0.33833E+00	0.91426E+00
0.10213E+04	0.78895E+00	0.43128E+00	0.34026E+00	0.91948E+00
0.10214E+04	0.79317E+00	0.43130E+00	0.34209E+00	0.92443E+00
0.10215E+04	0.79719E+00	0.43131E+00	0.34384E+00	0.92914E+00
0.10216E+04	0.80110E+00	0.43132E+00	0.34553E+00	0.93372E+00
0.10217E+04	0.80487E+00	0.43133E+00	0.34717E+00	0.93814E+00
0.10218E+04	0.80849E+00	0.43133E+00	0.34873E+00	0.94237E+00
0.10219E+04	0.81193E+00	0.43132E+00	0.35020E+00	0.94633E+00
0.10220E+04	0.81511E+00	0.43129E+00	0.35155E+00	0.94999E+00
0.10221E+04	0.81809E+00	0.43125E+00	0.35280E+00	0.95337E+00
0.10222E+04	0.82090E+00	0.43121E+00	0.35398E+00	0.95655E+00
0.10223E+04	0.82357E+00	0.43117E+00	0.35510E+00	0.95957E+00
0.10224E+04	0.82612E+00	0.43113E+00	0.35617E+00	0.96247E+00
0.10225E+04	0.82854E+00	0.43110E+00	0.35718E+00	0.96520E+00
0.10226E+04	0.83081E+00	0.43106E+00	0.35813E+00	0.96777E+00
0.10227E+04	0.83295E+00	0.43103E+00	0.35902E+00	0.97018E+00
0.10228E+04	0.83501E+00	0.43100E+00	0.35989E+00	0.97251E+00
0.10229E+04	0.83704E+00	0.43096E+00	0.36073E+00	0.97480E+00
0.10230E+04	0.83906E+00	0.43093E+00	0.36157E+00	0.97707E+00
0.10231E+04	0.84101E+00	0.43089E+00	0.36239E+00	0.97927E+00
0.10232E+04	0.84285E+00	0.43086E+00	0.36315E+00	0.98134E+00
0.10233E+04	0.84454E+00	0.43083E+00	0.36385E+00	0.98323E+00
0.10234E+04	0.84600E+00	0.43079E+00	0.36445E+00	0.98485E+00
0.10235E+04	0.84728E+00	0.43076E+00	0.36498E+00	0.98627E+00
0.10236E+04	0.84843E+00	0.43073E+00	0.36544E+00	0.98753E+00
0.10237E+04	0.84951E+00	0.43070E+00	0.36588E+00	0.98871E+00
0.10238E+04	0.85055E+00	0.43066E+00	0.36630E+00	0.98985E+00
0.10239E+04	0.85153E+00	0.43063E+00	0.36670E+00	0.99091E+00

0.10240E+04	0.85248E+00	0.43059E+00	0.36707E+00	0.99193E+00
0.10241E+04	0.85340E+00	0.43053E+00	0.36742E+00	0.99286E+00
0.10242E+04	0.85430E+00	0.43048E+00	0.36775E+00	0.99377E+00
0.10243E+04	0.85515E+00	0.43041E+00	0.36807E+00	0.99462E+00
0.10244E+04	0.85591E+00	0.43034E+00	0.36833E+00	0.99534E+00
0.10245E+04	0.85656E+00	0.43027E+00	0.36855E+00	0.99593E+00
0.10246E+04	0.85710E+00	0.43021E+00	0.36873E+00	0.99640E+00
0.10247E+04	0.85758E+00	0.43014E+00	0.36888E+00	0.99681E+00
0.10248E+04	0.85804E+00	0.43007E+00	0.36902E+00	0.99719E+00
0.10249E+04	0.85855E+00	0.43000E+00	0.36918E+00	0.99762E+00
0.10250E+04	0.85915E+00	0.42993E+00	0.36937E+00	0.99815E+00
0.10251E+04	0.85972E+00	0.42986E+00	0.36956E+00	0.99866E+00
0.10252E+04	0.86020E+00	0.42980E+00	0.36971E+00	0.99905E+00
0.10253E+04	0.86056E+00	0.42973E+00	0.36981E+00	0.99932E+00
0.10254E+04	0.86082E+00	0.42966E+00	0.36986E+00	0.99946E+00
0.10255E+04	0.86104E+00	0.42959E+00	0.36990E+00	0.99957E+00
0.10256E+04	0.86125E+00	0.42952E+00	0.36993E+00	0.99965E+00
0.10257E+04	0.86146E+00	0.42946E+00	0.36996E+00	0.99974E+00
0.10258E+04	0.86172E+00	0.42939E+00	0.37001E+00	0.99988E+00
0.10259E+04	0.86193E+00	0.42932E+00	0.37005E+00	0.99997E+00
0.10260E+04	0.86206E+00	0.42925E+00	0.37004E+00	0.99995E+00
0.10261E+04	0.86220E+00	0.42916E+00	0.37002E+00	0.99990E+00
0.10262E+04	0.86240E+00	0.42907E+00	0.37003E+00	0.99992E+00
0.10263E+04	0.86262E+00	0.42898E+00	0.37005E+00	0.99997E+00
0.10264E+04	0.86284E+00	0.42889E+00	0.37006E+00	0.10000E+01
0.10265E+04	0.86300E+00	0.42880E+00	0.37005E+00	0.99998E+00
0.10266E+04	0.86314E+00	0.42870E+00	0.37003E+00	0.99992E+00
0.10267E+04	0.86322E+00	0.42861E+00	0.36999E+00	0.99981E+00
0.10268E+04	0.86322E+00	0.42852E+00	0.36991E+00	0.99960E+00
0.10269E+04	0.86316E+00	0.42843E+00	0.36981E+00	0.99932E+00
0.10270E+04	0.86309E+00	0.42834E+00	0.36970E+00	0.99902E+00
0.10271E+04	0.86296E+00	0.42825E+00	0.36956E+00	0.99866E+00
0.10272E+04	0.86274E+00	0.42816E+00	0.36939E+00	0.99819E+00
0.10273E+04	0.86246E+00	0.42807E+00	0.36919E+00	0.99766E+00
0.10274E+04	0.86213E+00	0.42798E+00	0.36897E+00	0.99707E+00
0.10275E+04	0.86181E+00	0.42789E+00	0.36876E+00	0.99649E+00
0.10276E+04	0.86154E+00	0.42780E+00	0.36857E+00	0.99597E+00
0.10277E+04	0.86124E+00	0.42771E+00	0.36836E+00	0.99542E+00
0.10278E+04	0.86086E+00	0.42762E+00	0.36812E+00	0.99477E+00
0.10279E+04	0.86039E+00	0.42753E+00	0.36784E+00	0.99401E+00
0.10280E+04	0.85984E+00	0.42744E+00	0.36753E+00	0.99316E+00
0.10281E+04	0.85928E+00	0.42733E+00	0.36719E+00	0.99226E+00
0.10282E+04	0.85874E+00	0.42721E+00	0.36687E+00	0.99138E+00

0.10283E+04	0.85821E+00	0.42710E+00	0.36654E+00	0.99050E+00
0.10284E+04	0.85765E+00	0.42699E+00	0.36621E+00	0.98959E+00
0.10285E+04	0.85706E+00	0.42688E+00	0.36586E+00	0.98865E+00
0.10286E+04	0.85643E+00	0.42677E+00	0.36550E+00	0.98767E+00
0.10287E+04	0.85581E+00	0.42665E+00	0.36514E+00	0.98670E+00
0.10288E+04	0.85523E+00	0.42654E+00	0.36479E+00	0.98577E+00
0.10289E+04	0.85463E+00	0.42643E+00	0.36444E+00	0.98483E+00
0.10290E+04	0.85399E+00	0.42632E+00	0.36407E+00	0.98383E+00
0.10291E+04	0.85326E+00	0.42621E+00	0.36367E+00	0.98273E+00
0.10292E+04	0.85242E+00	0.42610E+00	0.36321E+00	0.98150E+00
0.10293E+04	0.85148E+00	0.42599E+00	0.36272E+00	0.98017E+00
0.10294E+04	0.85051E+00	0.42588E+00	0.36221E+00	0.97880E+00
0.10295E+04	0.84959E+00	0.42577E+00	0.36173E+00	0.97748E+00
0.10296E+04	0.84874E+00	0.42566E+00	0.36127E+00	0.97625E+00
0.10297E+04	0.84793E+00	0.42555E+00	0.36083E+00	0.97507E+00
0.10298E+04	0.84713E+00	0.42543E+00	0.36040E+00	0.97390E+00
0.10299E+04	0.84633E+00	0.42532E+00	0.35996E+00	0.97272E+00
0.10300E+04	0.84551E+00	0.42521E+00	0.35952E+00	0.97152E+00
0.10301E+04	0.84467E+00	0.42509E+00	0.35906E+00	0.97027E+00
0.10302E+04	0.84382E+00	0.42497E+00	0.35859E+00	0.96902E+00
0.10303E+04	0.84291E+00	0.42484E+00	0.35810E+00	0.96769E+00
0.10304E+04	0.84193E+00	0.42472E+00	0.35759E+00	0.96629E+00
0.10305E+04	0.84092E+00	0.42460E+00	0.35706E+00	0.96486E+00
0.10306E+04	0.83990E+00	0.42448E+00	0.35652E+00	0.96342E+00
0.10307E+04	0.83889E+00	0.42436E+00	0.35599E+00	0.96198E+00
0.10308E+04	0.83789E+00	0.42424E+00	0.35546E+00	0.96056E+00
0.10309E+04	0.83689E+00	0.42412E+00	0.35494E+00	0.95914E+00
0.10310E+04	0.83586E+00	0.42399E+00	0.35440E+00	0.95768E+00
0.10311E+04	0.83473E+00	0.42387E+00	0.35382E+00	0.95612E+00
0.10312E+04	0.83347E+00	0.42375E+00	0.35318E+00	0.95440E+00
0.10313E+04	0.83214E+00	0.42363E+00	0.35252E+00	0.95260E+00
0.10314E+04	0.83076E+00	0.42351E+00	0.35183E+00	0.95075E+00
0.10315E+04	0.82934E+00	0.42339E+00	0.35113E+00	0.94886E+00
0.10316E+04	0.82793E+00	0.42327E+00	0.35043E+00	0.94697E+00
0.10317E+04	0.82652E+00	0.42315E+00	0.34974E+00	0.94509E+00
0.10318E+04	0.82510E+00	0.42302E+00	0.34904E+00	0.94319E+00
0.10319E+04	0.82364E+00	0.42290E+00	0.34832E+00	0.94126E+00
0.10320E+04	0.82217E+00	0.42277E+00	0.34759E+00	0.93929E+00
0.10321E+04	0.82071E+00	0.42263E+00	0.34686E+00	0.93731E+00
0.10322E+04	0.81933E+00	0.42249E+00	0.34616E+00	0.93541E+00
0.10323E+04	0.81795E+00	0.42234E+00	0.34545E+00	0.93351E+00
0.10324E+04	0.81652E+00	0.42220E+00	0.34473E+00	0.93157E+00
0.10325E+04	0.81506E+00	0.42205E+00	0.34400E+00	0.92959E+00

0.10326E+04	0.81352E+00	0.42191E+00	0.34323E+00	0.92751E+00
0.10327E+04	0.81187E+00	0.42177E+00	0.34242E+00	0.92532E+00
0.10328E+04	0.81016E+00	0.42162E+00	0.34158E+00	0.92305E+00
0.10329E+04	0.80841E+00	0.42148E+00	0.34073E+00	0.92075E+00
0.10330E+04	0.80663E+00	0.42134E+00	0.33986E+00	0.91840E+00
0.10331E+04	0.80475E+00	0.42119E+00	0.33896E+00	0.91595E+00
0.10332E+04	0.80279E+00	0.42105E+00	0.33801E+00	0.91340E+00
0.10333E+04	0.80073E+00	0.42090E+00	0.33703E+00	0.91075E+00
0.10334E+04	0.79857E+00	0.42076E+00	0.33601E+00	0.90799E+00
0.10335E+04	0.79633E+00	0.42062E+00	0.33495E+00	0.90513E+00
0.10336E+04	0.79402E+00	0.42047E+00	0.33386E+00	0.90219E+00
0.10337E+04	0.79160E+00	0.42033E+00	0.33273E+00	0.89914E+00
0.10338E+04	0.78904E+00	0.42018E+00	0.33154E+00	0.89592E+00
0.10339E+04	0.78639E+00	0.42004E+00	0.33032E+00	0.89260E+00
0.10340E+04	0.78371E+00	0.41990E+00	0.32908E+00	0.88927E+00
0.10341E+04	0.78095E+00	0.41975E+00	0.32781E+00	0.88583E+00
0.10342E+04	0.77810E+00	0.41961E+00	0.32649E+00	0.88228E+00
0.10343E+04	0.77510E+00	0.41946E+00	0.32512E+00	0.87857E+00
0.10344E+04	0.77196E+00	0.41931E+00	0.32369E+00	0.87470E+00
0.10345E+04	0.76868E+00	0.41916E+00	0.32220E+00	0.87067E+00
0.10346E+04	0.76524E+00	0.41901E+00	0.32064E+00	0.86646E+00
0.10347E+04	0.76165E+00	0.41886E+00	0.31902E+00	0.86209E+00
0.10348E+04	0.75790E+00	0.41871E+00	0.31734E+00	0.85754E+00
0.10349E+04	0.75397E+00	0.41856E+00	0.31558E+00	0.85279E+00
0.10350E+04	0.74985E+00	0.41841E+00	0.31374E+00	0.84782E+00
0.10351E+04	0.74557E+00	0.41826E+00	0.31184E+00	0.84268E+00
0.10352E+04	0.74117E+00	0.41811E+00	0.30989E+00	0.83741E+00
0.10353E+04	0.73668E+00	0.41796E+00	0.30790E+00	0.83204E+00
0.10354E+04	0.73215E+00	0.41781E+00	0.30590E+00	0.82663E+00
0.10355E+04	0.72752E+00	0.41766E+00	0.30386E+00	0.82110E+00
0.10356E+04	0.72274E+00	0.41751E+00	0.30175E+00	0.81542E+00
0.10357E+04	0.71777E+00	0.41736E+00	0.29957E+00	0.80952E+00
0.10358E+04	0.71260E+00	0.41721E+00	0.29730E+00	0.80340E+00
0.10359E+04	0.70726E+00	0.41705E+00	0.29496E+00	0.79707E+00
0.10360E+04	0.70177E+00	0.41688E+00	0.29256E+00	0.79057E+00
0.10361E+04	0.69616E+00	0.41671E+00	0.29009E+00	0.78391E+00
0.10362E+04	0.69046E+00	0.41653E+00	0.28760E+00	0.77716E+00
0.10363E+04	0.68464E+00	0.41635E+00	0.28505E+00	0.77028E+00
0.10364E+04	0.67866E+00	0.41617E+00	0.28244E+00	0.76322E+00
0.10365E+04	0.67252E+00	0.41599E+00	0.27976E+00	0.75599E+00
0.10366E+04	0.66621E+00	0.41581E+00	0.27702E+00	0.74859E+00
0.10367E+04	0.65975E+00	0.41564E+00	0.27422E+00	0.74101E+00
0.10368E+04	0.65317E+00	0.41546E+00	0.27137E+00	0.73330E+00

0.10369E+04	0.64646E+00	0.41528E+00	0.26846E+00	0.72545E+00
0.10370E+04	0.63961E+00	0.41510E+00	0.26550E+00	0.71746E+00
0.10371E+04	0.63262E+00	0.41492E+00	0.26249E+00	0.70932E+00
0.10372E+04	0.62547E+00	0.41474E+00	0.25941E+00	0.70099E+00
0.10373E+04	0.61817E+00	0.41456E+00	0.25627E+00	0.69252E+00
0.10374E+04	0.61072E+00	0.41439E+00	0.25307E+00	0.68387E+00
0.10375E+04	0.60312E+00	0.41421E+00	0.24982E+00	0.67507E+00
0.10376E+04	0.59539E+00	0.41403E+00	0.24651E+00	0.66613E+00
0.10377E+04	0.58751E+00	0.41385E+00	0.24314E+00	0.65704E+00
0.10378E+04	0.57949E+00	0.41367E+00	0.23972E+00	0.64778E+00
0.10379E+04	0.57137E+00	0.41349E+00	0.23625E+00	0.63842E+00
0.10380E+04	0.56319E+00	0.41330E+00	0.23277E+00	0.62900E+00
0.10381E+04	0.55498E+00	0.41310E+00	0.22926E+00	0.61953E+00
0.10382E+04	0.54674E+00	0.41289E+00	0.22575E+00	0.61003E+00
0.10383E+04	0.53843E+00	0.41269E+00	0.22220E+00	0.60046E+00
0.10384E+04	0.53003E+00	0.41249E+00	0.21863E+00	0.59080E+00
0.10385E+04	0.52153E+00	0.41229E+00	0.21502E+00	0.58104E+00
0.10386E+04	0.51293E+00	0.41208E+00	0.21137E+00	0.57118E+00
0.10387E+04	0.50429E+00	0.41188E+00	0.20771E+00	0.56128E+00
0.10388E+04	0.49561E+00	0.41168E+00	0.20403E+00	0.55135E+00
0.10389E+04	0.48689E+00	0.41148E+00	0.20034E+00	0.54139E+00
0.10390E+04	0.47816E+00	0.41127E+00	0.19666E+00	0.53142E+00
0.10391E+04	0.46943E+00	0.41107E+00	0.19297E+00	0.52146E+00
0.10392E+04	0.46072E+00	0.41087E+00	0.18929E+00	0.51153E+00
0.10393E+04	0.45202E+00	0.41067E+00	0.18563E+00	0.50162E+00
0.10394E+04	0.44337E+00	0.41046E+00	0.18199E+00	0.49178E+00
0.10395E+04	0.43476E+00	0.41026E+00	0.17836E+00	0.48199E+00
0.10396E+04	0.42617E+00	0.41006E+00	0.17476E+00	0.47224E+00
0.10397E+04	0.41758E+00	0.40986E+00	0.17115E+00	0.46249E+00
0.10398E+04	0.40899E+00	0.40965E+00	0.16754E+00	0.45274E+00
0.10399E+04	0.40044E+00	0.40944E+00	0.16396E+00	0.44305E+00
0.10400E+04	0.39196E+00	0.40922E+00	0.16040E+00	0.43344E+00
0.10401E+04	0.38351E+00	0.40899E+00	0.15685E+00	0.42386E+00
0.10402E+04	0.37516E+00	0.40875E+00	0.15335E+00	0.41438E+00
0.10403E+04	0.36690E+00	0.40851E+00	0.14988E+00	0.40502E+00
0.10404E+04	0.35872E+00	0.40827E+00	0.14646E+00	0.39576E+00
0.10405E+04	0.35061E+00	0.40804E+00	0.14306E+00	0.38659E+00
0.10406E+04	0.34260E+00	0.40780E+00	0.13971E+00	0.37754E+00
0.10407E+04	0.33467E+00	0.40756E+00	0.13640E+00	0.36859E+00
0.10408E+04	0.32681E+00	0.40732E+00	0.13312E+00	0.35972E+00
0.10409E+04	0.31901E+00	0.40709E+00	0.12987E+00	0.35094E+00
0.10410E+04	0.31133E+00	0.40685E+00	0.12666E+00	0.34228E+00
0.10411E+04	0.30377E+00	0.40661E+00	0.12352E+00	0.33378E+00

0.10412E+04	0.29637E+00	0.40637E+00	0.12044E+00	0.32545E+00
0.10413E+04	0.28912E+00	0.40614E+00	0.11742E+00	0.31731E+00
0.10414E+04	0.28204E+00	0.40590E+00	0.11448E+00	0.30936E+00
0.10415E+04	0.27508E+00	0.40566E+00	0.11159E+00	0.30155E+00
0.10416E+04	0.26822E+00	0.40543E+00	0.10874E+00	0.29386E+00
0.10417E+04	0.26148E+00	0.40521E+00	0.10595E+00	0.28632E+00
0.10418E+04	0.25487E+00	0.40498E+00	0.10322E+00	0.27892E+00
0.10419E+04	0.24840E+00	0.40476E+00	0.10054E+00	0.27169E+00
0.10420E+04	0.24206E+00	0.40453E+00	0.97919E-01	0.26460E+00
0.10421E+04	0.23585E+00	0.40428E+00	0.95350E-01	0.25766E+00
0.10422E+04	0.22981E+00	0.40403E+00	0.92849E-01	0.25090E+00
0.10423E+04	0.22385E+00	0.40378E+00	0.90387E-01	0.24425E+00
0.10424E+04	0.21799E+00	0.40353E+00	0.87966E-01	0.23771E+00
0.10425E+04	0.21224E+00	0.40328E+00	0.85593E-01	0.23130E+00
0.10426E+04	0.20658E+00	0.40304E+00	0.83260E-01	0.22499E+00
0.10427E+04	0.20105E+00	0.40279E+00	0.80979E-01	0.21883E+00
0.10428E+04	0.19565E+00	0.40254E+00	0.78758E-01	0.21283E+00
0.10429E+04	0.19038E+00	0.40229E+00	0.76587E-01	0.20696E+00
0.10430E+04	0.18522E+00	0.40204E+00	0.74466E-01	0.20123E+00
0.10431E+04	0.18015E+00	0.40179E+00	0.72383E-01	0.19560E+00
0.10432E+04	0.17516E+00	0.40155E+00	0.70335E-01	0.19007E+00
0.10433E+04	0.17025E+00	0.40130E+00	0.68323E-01	0.18463E+00
0.10434E+04	0.16540E+00	0.40105E+00	0.66334E-01	0.17925E+00
0.10435E+04	0.16064E+00	0.40080E+00	0.64383E-01	0.17398E+00
0.10436E+04	0.15602E+00	0.40055E+00	0.62493E-01	0.16887E+00
0.10437E+04	0.15154E+00	0.40028E+00	0.60658E-01	0.16391E+00
0.10438E+04	0.14722E+00	0.40002E+00	0.58892E-01	0.15914E+00
0.10439E+04	0.14307E+00	0.39976E+00	0.57192E-01	0.15455E+00
0.10440E+04	0.13907E+00	0.39949E+00	0.55557E-01	0.15013E+00
0.10441E+04	0.13517E+00	0.39920E+00	0.53962E-01	0.14582E+00
0.10442E+04	0.13135E+00	0.39891E+00	0.52399E-01	0.14160E+00
0.10443E+04	0.12761E+00	0.39863E+00	0.50867E-01	0.13746E+00
0.10444E+04	0.12396E+00	0.39834E+00	0.49379E-01	0.13343E+00
0.10445E+04	0.12040E+00	0.39805E+00	0.47927E-01	0.12951E+00
0.10446E+04	0.11693E+00	0.39776E+00	0.46509E-01	0.12568E+00
0.10447E+04	0.11353E+00	0.39748E+00	0.45125E-01	0.12194E+00
0.10448E+04	0.11021E+00	0.39719E+00	0.43775E-01	0.11829E+00
0.10449E+04	0.10698E+00	0.39690E+00	0.42461E-01	0.11474E+00
0.10450E+04	0.10383E+00	0.39661E+00	0.41181E-01	0.11128E+00
0.10451E+04	0.10075E+00	0.39633E+00	0.39932E-01	0.10791E+00
0.10452E+04	0.97790E-01	0.39604E+00	0.38729E-01	0.10466E+00
0.10453E+04	0.94929E-01	0.39575E+00	0.37568E-01	0.10152E+00
0.10454E+04	0.92168E-01	0.39547E+00	0.36449E-01	0.98496E-01

0.10455E+04	0.89468E-01	0.39518E+00	0.35356E-01	0.95542E-01
0.10456E+04	0.86842E-01	0.39489E+00	0.34293E-01	0.92670E-01
0.10457E+04	0.84283E-01	0.39460E+00	0.33259E-01	0.89874E-01
0.10458E+04	0.81773E-01	0.39432E+00	0.32244E-01	0.87133E-01
0.10459E+04	0.79317E-01	0.39403E+00	0.31253E-01	0.84455E-01
0.10460E+04	0.76893E-01	0.39374E+00	0.30276E-01	0.81813E-01
0.10461E+04	0.74535E-01	0.39343E+00	0.29324E-01	0.79243E-01
0.10462E+04	0.72295E-01	0.39313E+00	0.28421E-01	0.76802E-01
0.10463E+04	0.70125E-01	0.39282E+00	0.27547E-01	0.74439E-01
0.10464E+04	0.68014E-01	0.39252E+00	0.26697E-01	0.72143E-01
0.10465E+04	0.65979E-01	0.39222E+00	0.25878E-01	0.69930E-01
0.10466E+04	0.64025E-01	0.39191E+00	0.25092E-01	0.67806E-01
0.10467E+04	0.62121E-01	0.39161E+00	0.24327E-01	0.65739E-01
0.10468E+04	0.60240E-01	0.39131E+00	0.23572E-01	0.63698E-01
0.10469E+04	0.58421E-01	0.39100E+00	0.22843E-01	0.61728E-01
0.10470E+04	0.56703E-01	0.39070E+00	0.22154E-01	0.59866E-01
0.10471E+04	0.55075E-01	0.39040E+00	0.21501E-01	0.58102E-01
0.10472E+04	0.53567E-01	0.39009E+00	0.20896E-01	0.56468E-01
0.10473E+04	0.52144E-01	0.38979E+00	0.20325E-01	0.54924E-01
0.10474E+04	0.50755E-01	0.38949E+00	0.19769E-01	0.53421E-01
0.10475E+04	0.49377E-01	0.38919E+00	0.19217E-01	0.51931E-01
0.10476E+04	0.47971E-01	0.38890E+00	0.18656E-01	0.50414E-01
0.10477E+04	0.46570E-01	0.38860E+00	0.18097E-01	0.48903E-01
0.10478E+04	0.45245E-01	0.38831E+00	0.17569E-01	0.47476E-01
0.10479E+04	0.43981E-01	0.38801E+00	0.17065E-01	0.46114E-01
0.10480E+04	0.42758E-01	0.38771E+00	0.16578E-01	0.44797E-01
0.10481E+04	0.41593E-01	0.38740E+00	0.16113E-01	0.43542E-01
0.10482E+04	0.40480E-01	0.38710E+00	0.15670E-01	0.42344E-01
0.10483E+04	0.39406E-01	0.38679E+00	0.15242E-01	0.41188E-01
0.10484E+04	0.38389E-01	0.38649E+00	0.14837E-01	0.40094E-01
0.10485E+04	0.37391E-01	0.38618E+00	0.14439E-01	0.39019E-01
0.10486E+04	0.36423E-01	0.38588E+00	0.14055E-01	0.37979E-01
0.10487E+04	0.35477E-01	0.38557E+00	0.13679E-01	0.36964E-01
0.10488E+04	0.34503E-01	0.38526E+00	0.13293E-01	0.35921E-01
0.10489E+04	0.33502E-01	0.38496E+00	0.12897E-01	0.34851E-01
0.10490E+04	0.32475E-01	0.38465E+00	0.12491E-01	0.33755E-01
0.10491E+04	0.31426E-01	0.38435E+00	0.12079E-01	0.32640E-01
0.10492E+04	0.30377E-01	0.38404E+00	0.11666E-01	0.31525E-01
0.10493E+04	0.29320E-01	0.38374E+00	0.11251E-01	0.30403E-01
0.10494E+04	0.28243E-01	0.38343E+00	0.10829E-01	0.29264E-01
0.10495E+04	0.27202E-01	0.38313E+00	0.10422E-01	0.28163E-01
0.10496E+04	0.26209E-01	0.38282E+00	0.10033E-01	0.27113E-01
0.10497E+04	0.25246E-01	0.38251E+00	0.96570E-02	0.26096E-01

0.10498E+04	0.24348E-01	0.38220E+00	0.93059E-02	0.25147E-01
0.10499E+04	0.23475E-01	0.38190E+00	0.89650E-02	0.24226E-01
0.10500E+04	0.22606E-01	0.38159E+00	0.86264E-02	0.23311E-01
0.10501E+04	0.21743E-01	0.38127E+00	0.82900E-02	0.22402E-01
0.10502E+04	0.20888E-01	0.38095E+00	0.79576E-02	0.21504E-01
0.10503E+04	0.20054E-01	0.38064E+00	0.76332E-02	0.20627E-01
0.10504E+04	0.19257E-01	0.38032E+00	0.73240E-02	0.19791E-01
0.10505E+04	0.18492E-01	0.38000E+00	0.70269E-02	0.18989E-01
0.10506E+04	0.17797E-01	0.37969E+00	0.67573E-02	0.18260E-01
0.10507E+04	0.17161E-01	0.37937E+00	0.65103E-02	0.17593E-01
0.10508E+04	0.16573E-01	0.37906E+00	0.62822E-02	0.16976E-01
0.10509E+04	0.16027E-01	0.37874E+00	0.60701E-02	0.16403E-01
0.10510E+04	0.15523E-01	0.37842E+00	0.58743E-02	0.15874E-01
0.10511E+04	0.15084E-01	0.37811E+00	0.57034E-02	0.15412E-01
0.10512E+04	0.14710E-01	0.37779E+00	0.55575E-02	0.15018E-01
0.10513E+04	0.14377E-01	0.37748E+00	0.54270E-02	0.14665E-01
0.10514E+04	0.14079E-01	0.37717E+00	0.53101E-02	0.14349E-01
0.10515E+04	0.13789E-01	0.37685E+00	0.51964E-02	0.14042E-01
0.10516E+04	0.13512E-01	0.37654E+00	0.50876E-02	0.13748E-01
0.10517E+04	0.13238E-01	0.37623E+00	0.49807E-02	0.13459E-01
0.10518E+04	0.12979E-01	0.37592E+00	0.48790E-02	0.13184E-01
0.10519E+04	0.12727E-01	0.37560E+00	0.47802E-02	0.12917E-01
0.10520E+04	0.12475E-01	0.37530E+00	0.46817E-02	0.12651E-01
0.10521E+04	0.12227E-01	0.37499E+00	0.45851E-02	0.12390E-01
0.10522E+04	0.11981E-01	0.37469E+00	0.44891E-02	0.12131E-01
0.10523E+04	0.11736E-01	0.37439E+00	0.43939E-02	0.11873E-01
0.10524E+04	0.11492E-01	0.37409E+00	0.42989E-02	0.11617E-01
0.10525E+04	0.11251E-01	0.37379E+00	0.42054E-02	0.11364E-01
0.10526E+04	0.11019E-01	0.37349E+00	0.41155E-02	0.11121E-01
0.10527E+04	0.10790E-01	0.37319E+00	0.40265E-02	0.10881E-01
0.10528E+04	0.10561E-01	0.37289E+00	0.39379E-02	0.10641E-01
0.10529E+04	0.10332E-01	0.37258E+00	0.38495E-02	0.10403E-01
0.10530E+04	0.10106E-01	0.37228E+00	0.37623E-02	0.10167E-01
0.10531E+04	0.98830E-02	0.37198E+00	0.36763E-02	0.99344E-02
0.10532E+04	0.96644E-02	0.37168E+00	0.35921E-02	0.97067E-02
0.10533E+04	0.94478E-02	0.37138E+00	0.35087E-02	0.94815E-02
0.10534E+04	0.92320E-02	0.37108E+00	0.34258E-02	0.92575E-02
0.10535E+04	0.90170E-02	0.37078E+00	0.33433E-02	0.90346E-02
0.10536E+04	0.88062E-02	0.37048E+00	0.32625E-02	0.88163E-02
0.10537E+04	0.85990E-02	0.37018E+00	0.31832E-02	0.86018E-02
0.10538E+04	0.83924E-02	0.36988E+00	0.31042E-02	0.83884E-02
0.10539E+04	0.81860E-02	0.36958E+00	0.30254E-02	0.81755E-02
0.10540E+04	0.79846E-02	0.36929E+00	0.29486E-02	0.79679E-02

0.10541E+04	0.77874E-02	0.36901E+00	0.28736E-02	0.77653E-02
0.10542E+04	0.75929E-02	0.36873E+00	0.27997E-02	0.75656E-02
0.10543E+04	0.74003E-02	0.36845E+00	0.27266E-02	0.73681E-02
0.10544E+04	0.72132E-02	0.36817E+00	0.26557E-02	0.71764E-02
0.10545E+04	0.70267E-02	0.36789E+00	0.25851E-02	0.69856E-02
0.10546E+04	0.68448E-02	0.36761E+00	0.25163E-02	0.67996E-02
0.10547E+04	0.66647E-02	0.36734E+00	0.24482E-02	0.66157E-02
0.10548E+04	0.64862E-02	0.36706E+00	0.23808E-02	0.64336E-02
0.10549E+04	0.63173E-02	0.36678E+00	0.23170E-02	0.62613E-02
0.10550E+04	0.61484E-02	0.36650E+00	0.22534E-02	0.60893E-02
0.10551E+04	0.59814E-02	0.36622E+00	0.21905E-02	0.59194E-02
0.10552E+04	0.58167E-02	0.36595E+00	0.21286E-02	0.57522E-02
0.10553E+04	0.56527E-02	0.36568E+00	0.20671E-02	0.55858E-02
0.10554E+04	0.55032E-02	0.36541E+00	0.20109E-02	0.54340E-02
0.10555E+04	0.53538E-02	0.36514E+00	0.19548E-02	0.52825E-02
0.10556E+04	0.52115E-02	0.36486E+00	0.19015E-02	0.51383E-02
0.10557E+04	0.50695E-02	0.36459E+00	0.18483E-02	0.49946E-02
0.10558E+04	0.49294E-02	0.36432E+00	0.17959E-02	0.48530E-02
0.10559E+04	0.47893E-02	0.36405E+00	0.17435E-02	0.47115E-02
0.10560E+04	0.46529E-02	0.36379E+00	0.16927E-02	0.45740E-02
0.10561E+04	0.45172E-02	0.36354E+00	0.16422E-02	0.44377E-02
0.10562E+04	0.43833E-02	0.36329E+00	0.15924E-02	0.43032E-02
0.10563E+04	0.42498E-02	0.36305E+00	0.15429E-02	0.41693E-02
0.10564E+04	0.41171E-02	0.36280E+00	0.14937E-02	0.40364E-02
0.10565E+04	0.39848E-02	0.36256E+00	0.14447E-02	0.39040E-02
0.10566E+04	0.38574E-02	0.36231E+00	0.13976E-02	0.37767E-02
0.10567E+04	0.37313E-02	0.36207E+00	0.13510E-02	0.36508E-02
0.10568E+04	0.36058E-02	0.36182E+00	0.13047E-02	0.35256E-02
0.10569E+04	0.34832E-02	0.36158E+00	0.12594E-02	0.34033E-02
0.10570E+04	0.33624E-02	0.36133E+00	0.12149E-02	0.32831E-02
0.10571E+04	0.32417E-02	0.36108E+00	0.11705E-02	0.31631E-02
0.10572E+04	0.31235E-02	0.36083E+00	0.11270E-02	0.30455E-02
0.10573E+04	0.30055E-02	0.36057E+00	0.10837E-02	0.29284E-02
0.10574E+04	0.28880E-02	0.36032E+00	0.10406E-02	0.28120E-02
0.10575E+04	0.27740E-02	0.36006E+00	0.99881E-03	0.26991E-02
0.10576E+04	0.26661E-02	0.35981E+00	0.95927E-03	0.25922E-02
0.10577E+04	0.25583E-02	0.35955E+00	0.91985E-03	0.24857E-02
0.10578E+04	0.24513E-02	0.35930E+00	0.88076E-03	0.23801E-02
0.10579E+04	0.23460E-02	0.35904E+00	0.84232E-03	0.22762E-02
0.10580E+04	0.22416E-02	0.35879E+00	0.80425E-03	0.21733E-02
0.10581E+04	0.21382E-02	0.35857E+00	0.76670E-03	0.20718E-02
0.10582E+04	0.20358E-02	0.35834E+00	0.72951E-03	0.19713E-02
0.10583E+04	0.19352E-02	0.35811E+00	0.69303E-03	0.18728E-02

0.10584E+04	0.18390E-02	0.35788E+00	0.65814E-03	0.17785E-02
0.10585E+04	0.17442E-02	0.35765E+00	0.62381E-03	0.16857E-02
0.10586E+04	0.16512E-02	0.35743E+00	0.59017E-03	0.15948E-02
0.10587E+04	0.15613E-02	0.35720E+00	0.55771E-03	0.15071E-02
0.10588E+04	0.14734E-02	0.35697E+00	0.52596E-03	0.14213E-02
0.10589E+04	0.13856E-02	0.35674E+00	0.49430E-03	0.13357E-02
0.10590E+04	0.13049E-02	0.35652E+00	0.46521E-03	0.12571E-02
0.10591E+04	0.12250E-02	0.35629E+00	0.43647E-03	0.11795E-02
0.10592E+04	0.11460E-02	0.35606E+00	0.40805E-03	0.11027E-02
0.10593E+04	0.10722E-02	0.35583E+00	0.38153E-03	0.10310E-02
0.10594E+04	0.99953E-03	0.35561E+00	0.35544E-03	0.96049E-03
0.10595E+04	0.92845E-03	0.35538E+00	0.32995E-03	0.89163E-03
0.10596E+04	0.85765E-03	0.35515E+00	0.30460E-03	0.82310E-03
0.10597E+04	0.78769E-03	0.35493E+00	0.27957E-03	0.75549E-03
0.10598E+04	0.72212E-03	0.35470E+00	0.25614E-03	0.69215E-03
0.10599E+04	0.66123E-03	0.35447E+00	0.23439E-03	0.63338E-03
0.10600E+04	0.60137E-03	0.35426E+00	0.21304E-03	0.57569E-03
0.10601E+04	0.54213E-03	0.35406E+00	0.19195E-03	0.51869E-03
0.10602E+04	0.48418E-03	0.35386E+00	0.17133E-03	0.46299E-03
0.10603E+04	0.43295E-03	0.35367E+00	0.15312E-03	0.41377E-03
0.10604E+04	0.38433E-03	0.35347E+00	0.13585E-03	0.36711E-03
0.10605E+04	0.33607E-03	0.35327E+00	0.11872E-03	0.32082E-03
0.10606E+04	0.28994E-03	0.35308E+00	0.10237E-03	0.27663E-03
0.10607E+04	0.24852E-03	0.35288E+00	0.87699E-04	0.23699E-03
0.10608E+04	0.20723E-03	0.35269E+00	0.73087E-04	0.19750E-03
0.10609E+04	0.16753E-03	0.35249E+00	0.59052E-04	0.15957E-03
0.10610E+04	0.12794E-03	0.35231E+00	0.45076E-04	0.12181E-03
0.10611E+04	0.89282E-04	0.35213E+00	0.31439E-04	0.84956E-04
0.10612E+04	0.52197E-04	0.35195E+00	0.18371E-04	0.49642E-04
0.10613E+04	0.15387E-04	0.35176E+00	0.54127E-05	0.14627E-04
0.10614E+04	0.00000E+00	0.35158E+00	0.00000E+00	0.00000E+00
Channel 10				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.78492E+03	0.00000E+00	0.41577E+00	0.00000E+00	0.00000E+00
0.78502E+03	0.41781E-04	0.41588E+00	0.17376E-04	0.47009E-04
0.78512E+03	0.37083E-03	0.41598E+00	0.15426E-03	0.41734E-03
0.78522E+03	0.70624E-03	0.41608E+00	0.29385E-03	0.79499E-03
0.78532E+03	0.10447E-02	0.41617E+00	0.43480E-03	0.11763E-02
0.78542E+03	0.13949E-02	0.41627E+00	0.58065E-03	0.15709E-02
0.78552E+03	0.17484E-02	0.41636E+00	0.72796E-03	0.19695E-02

0.78562E+03	0.21191E-02	0.41646E+00	0.88252E-03	0.23876E-02
0.78572E+03	0.24919E-02	0.41655E+00	0.10380E-02	0.28083E-02
0.78582E+03	0.28671E-02	0.41665E+00	0.11946E-02	0.32319E-02
0.78592E+03	0.32445E-02	0.41674E+00	0.13521E-02	0.36581E-02
0.78602E+03	0.36256E-02	0.41684E+00	0.15113E-02	0.40887E-02
0.78612E+03	0.40249E-02	0.41696E+00	0.16782E-02	0.45403E-02
0.78622E+03	0.44309E-02	0.41708E+00	0.18480E-02	0.49997E-02
0.78632E+03	0.48444E-02	0.41720E+00	0.20211E-02	0.54679E-02
0.78642E+03	0.52591E-02	0.41731E+00	0.21947E-02	0.59376E-02
0.78652E+03	0.56766E-02	0.41743E+00	0.23696E-02	0.64108E-02
0.78662E+03	0.61030E-02	0.41755E+00	0.25483E-02	0.68943E-02
0.78672E+03	0.65341E-02	0.41767E+00	0.27291E-02	0.73834E-02
0.78682E+03	0.69819E-02	0.41779E+00	0.29169E-02	0.78916E-02
0.78692E+03	0.74361E-02	0.41791E+00	0.31076E-02	0.84074E-02
0.78702E+03	0.78917E-02	0.41802E+00	0.32989E-02	0.89250E-02
0.78712E+03	0.83648E-02	0.41812E+00	0.34975E-02	0.94623E-02
0.78722E+03	0.88933E-02	0.41822E+00	0.37194E-02	0.10063E-01
0.78732E+03	0.94420E-02	0.41832E+00	0.39498E-02	0.10686E-01
0.78742E+03	0.10014E-01	0.41842E+00	0.41902E-02	0.11336E-01
0.78752E+03	0.10615E-01	0.41852E+00	0.44428E-02	0.12020E-01
0.78762E+03	0.11228E-01	0.41862E+00	0.47001E-02	0.12716E-01
0.78772E+03	0.11882E-01	0.41872E+00	0.49754E-02	0.13460E-01
0.78782E+03	0.12556E-01	0.41882E+00	0.52586E-02	0.14227E-01
0.78792E+03	0.13244E-01	0.41892E+00	0.55481E-02	0.15010E-01
0.78802E+03	0.13953E-01	0.41903E+00	0.58465E-02	0.15817E-01
0.78812E+03	0.14669E-01	0.41915E+00	0.61485E-02	0.16634E-01
0.78822E+03	0.15397E-01	0.41928E+00	0.64557E-02	0.17466E-01
0.78832E+03	0.16132E-01	0.41940E+00	0.67659E-02	0.18305E-01
0.78842E+03	0.16887E-01	0.41953E+00	0.70846E-02	0.19167E-01
0.78852E+03	0.17667E-01	0.41965E+00	0.74139E-02	0.20058E-01
0.78862E+03	0.18467E-01	0.41978E+00	0.77523E-02	0.20973E-01
0.78872E+03	0.19298E-01	0.41991E+00	0.81035E-02	0.21924E-01
0.78882E+03	0.20132E-01	0.42003E+00	0.84561E-02	0.22877E-01
0.78892E+03	0.21130E-01	0.42016E+00	0.88779E-02	0.24019E-01
0.78902E+03	0.22353E-01	0.42026E+00	0.93938E-02	0.25414E-01
0.78912E+03	0.23790E-01	0.42035E+00	0.10000E-01	0.27055E-01
0.78922E+03	0.25232E-01	0.42045E+00	0.10609E-01	0.28701E-01
0.78932E+03	0.26701E-01	0.42054E+00	0.11229E-01	0.30379E-01
0.78942E+03	0.28242E-01	0.42064E+00	0.11880E-01	0.32139E-01
0.78952E+03	0.29826E-01	0.42073E+00	0.12549E-01	0.33949E-01
0.78962E+03	0.31514E-01	0.42083E+00	0.13262E-01	0.35879E-01
0.78972E+03	0.33241E-01	0.42092E+00	0.13992E-01	0.37854E-01
0.78982E+03	0.35039E-01	0.42102E+00	0.14752E-01	0.39911E-01

0.78992E+03	0.36860E-01	0.42111E+00	0.15522E-01	0.41995E-01
0.79002E+03	0.38760E-01	0.42121E+00	0.16326E-01	0.44169E-01
0.79012E+03	0.40785E-01	0.42134E+00	0.17184E-01	0.46491E-01
0.79022E+03	0.42864E-01	0.42146E+00	0.18066E-01	0.48875E-01
0.79032E+03	0.45032E-01	0.42159E+00	0.18985E-01	0.51363E-01
0.79042E+03	0.47309E-01	0.42171E+00	0.19951E-01	0.53976E-01
0.79052E+03	0.49715E-01	0.42183E+00	0.20972E-01	0.56737E-01
0.79062E+03	0.52346E-01	0.42196E+00	0.22088E-01	0.59758E-01
0.79072E+03	0.55066E-01	0.42208E+00	0.23242E-01	0.62881E-01
0.79082E+03	0.57818E-01	0.42221E+00	0.24411E-01	0.66043E-01
0.79092E+03	0.60671E-01	0.42233E+00	0.25623E-01	0.69322E-01
0.79102E+03	0.63638E-01	0.42245E+00	0.26884E-01	0.72733E-01
0.79112E+03	0.66803E-01	0.42257E+00	0.28229E-01	0.76372E-01
0.79122E+03	0.70286E-01	0.42269E+00	0.29710E-01	0.80377E-01
0.79132E+03	0.74041E-01	0.42282E+00	0.31306E-01	0.84695E-01
0.79142E+03	0.78125E-01	0.42294E+00	0.33042E-01	0.89393E-01
0.79152E+03	0.82540E-01	0.42306E+00	0.34919E-01	0.94472E-01
0.79162E+03	0.87276E-01	0.42318E+00	0.36934E-01	0.99922E-01
0.79172E+03	0.92244E-01	0.42330E+00	0.39047E-01	0.10564E+00
0.79182E+03	0.97456E-01	0.42342E+00	0.41265E-01	0.11164E+00
0.79192E+03	0.10285E+00	0.42354E+00	0.43562E-01	0.11785E+00
0.79202E+03	0.10842E+00	0.42367E+00	0.45936E-01	0.12428E+00
0.79212E+03	0.11426E+00	0.42382E+00	0.48425E-01	0.13101E+00
0.79222E+03	0.12046E+00	0.42396E+00	0.51072E-01	0.13817E+00
0.79232E+03	0.12706E+00	0.42411E+00	0.53886E-01	0.14578E+00
0.79242E+03	0.13413E+00	0.42425E+00	0.56906E-01	0.15395E+00
0.79252E+03	0.14168E+00	0.42440E+00	0.60131E-01	0.16268E+00
0.79262E+03	0.14975E+00	0.42454E+00	0.63575E-01	0.17200E+00
0.79272E+03	0.15825E+00	0.42469E+00	0.67208E-01	0.18183E+00
0.79282E+03	0.16717E+00	0.42484E+00	0.71020E-01	0.19214E+00
0.79292E+03	0.17651E+00	0.42500E+00	0.75019E-01	0.20296E+00
0.79302E+03	0.18635E+00	0.42516E+00	0.79229E-01	0.21435E+00
0.79312E+03	0.19667E+00	0.42533E+00	0.83649E-01	0.22631E+00
0.79322E+03	0.20748E+00	0.42549E+00	0.88279E-01	0.23883E+00
0.79332E+03	0.21883E+00	0.42565E+00	0.93147E-01	0.25200E+00
0.79342E+03	0.23075E+00	0.42581E+00	0.98254E-01	0.26582E+00
0.79352E+03	0.24314E+00	0.42597E+00	0.10357E+00	0.28021E+00
0.79362E+03	0.25608E+00	0.42614E+00	0.10912E+00	0.29523E+00
0.79372E+03	0.26957E+00	0.42630E+00	0.11492E+00	0.31091E+00
0.79382E+03	0.28365E+00	0.42646E+00	0.12096E+00	0.32726E+00
0.79392E+03	0.29835E+00	0.42662E+00	0.12728E+00	0.34435E+00
0.79402E+03	0.31371E+00	0.42678E+00	0.13388E+00	0.36222E+00
0.79412E+03	0.32948E+00	0.42696E+00	0.14068E+00	0.38059E+00

0.79422E+03	0.34552E+00	0.42714E+00	0.14759E+00	0.39928E+00
0.79432E+03	0.36174E+00	0.42732E+00	0.15458E+00	0.41820E+00
0.79442E+03	0.37802E+00	0.42750E+00	0.16160E+00	0.43721E+00
0.79452E+03	0.39451E+00	0.42768E+00	0.16872E+00	0.45647E+00
0.79462E+03	0.41127E+00	0.42786E+00	0.17597E+00	0.47607E+00
0.79472E+03	0.42833E+00	0.42804E+00	0.18334E+00	0.49602E+00
0.79482E+03	0.44573E+00	0.42823E+00	0.19088E+00	0.51641E+00
0.79492E+03	0.46333E+00	0.42842E+00	0.19850E+00	0.53703E+00
0.79502E+03	0.48100E+00	0.42861E+00	0.20616E+00	0.55775E+00
0.79512E+03	0.49871E+00	0.42879E+00	0.21384E+00	0.57854E+00
0.79522E+03	0.51644E+00	0.42898E+00	0.22154E+00	0.59936E+00
0.79532E+03	0.53406E+00	0.42916E+00	0.22920E+00	0.62009E+00
0.79542E+03	0.55150E+00	0.42935E+00	0.23679E+00	0.64061E+00
0.79552E+03	0.56871E+00	0.42953E+00	0.24428E+00	0.66088E+00
0.79562E+03	0.58560E+00	0.42972E+00	0.25165E+00	0.68081E+00
0.79572E+03	0.60210E+00	0.42991E+00	0.25885E+00	0.70029E+00
0.79582E+03	0.61806E+00	0.43009E+00	0.26582E+00	0.71917E+00
0.79592E+03	0.63352E+00	0.43028E+00	0.27259E+00	0.73747E+00
0.79602E+03	0.64853E+00	0.43047E+00	0.27917E+00	0.75527E+00
0.79612E+03	0.66301E+00	0.43066E+00	0.28553E+00	0.77249E+00
0.79622E+03	0.67690E+00	0.43086E+00	0.29165E+00	0.78904E+00
0.79632E+03	0.69024E+00	0.43106E+00	0.29753E+00	0.80495E+00
0.79642E+03	0.70302E+00	0.43125E+00	0.30318E+00	0.82023E+00
0.79652E+03	0.71509E+00	0.43145E+00	0.30853E+00	0.83470E+00
0.79662E+03	0.72639E+00	0.43165E+00	0.31354E+00	0.84827E+00
0.79672E+03	0.73681E+00	0.43185E+00	0.31819E+00	0.86085E+00
0.79682E+03	0.74631E+00	0.43206E+00	0.32245E+00	0.87237E+00
0.79692E+03	0.75495E+00	0.43227E+00	0.32634E+00	0.88289E+00
0.79702E+03	0.76269E+00	0.43247E+00	0.32984E+00	0.89236E+00
0.79712E+03	0.76966E+00	0.43268E+00	0.33301E+00	0.90095E+00
0.79722E+03	0.77601E+00	0.43288E+00	0.33592E+00	0.90881E+00
0.79732E+03	0.78184E+00	0.43309E+00	0.33860E+00	0.91607E+00
0.79742E+03	0.78727E+00	0.43329E+00	0.34112E+00	0.92287E+00
0.79752E+03	0.79218E+00	0.43349E+00	0.34341E+00	0.92906E+00
0.79762E+03	0.79648E+00	0.43370E+00	0.34543E+00	0.93455E+00
0.79772E+03	0.80024E+00	0.43390E+00	0.34723E+00	0.93940E+00
0.79782E+03	0.80349E+00	0.43411E+00	0.34880E+00	0.94366E+00
0.79792E+03	0.80634E+00	0.43431E+00	0.35021E+00	0.94746E+00
0.79802E+03	0.80879E+00	0.43452E+00	0.35143E+00	0.95078E+00
0.79812E+03	0.81097E+00	0.43472E+00	0.35255E+00	0.95379E+00
0.79822E+03	0.81295E+00	0.43492E+00	0.35357E+00	0.95657E+00
0.79832E+03	0.81477E+00	0.43513E+00	0.35453E+00	0.95916E+00
0.79842E+03	0.81651E+00	0.43533E+00	0.35545E+00	0.96165E+00

0.79852E+03	0.81821E+00	0.43553E+00	0.35636E+00	0.96411E+00
0.79862E+03	0.81983E+00	0.43574E+00	0.35723E+00	0.96647E+00
0.79872E+03	0.82135E+00	0.43595E+00	0.35807E+00	0.96874E+00
0.79882E+03	0.82279E+00	0.43617E+00	0.35887E+00	0.97091E+00
0.79892E+03	0.82404E+00	0.43638E+00	0.35959E+00	0.97285E+00
0.79902E+03	0.82497E+00	0.43659E+00	0.36017E+00	0.97443E+00
0.79912E+03	0.82552E+00	0.43680E+00	0.36059E+00	0.97555E+00
0.79922E+03	0.82557E+00	0.43701E+00	0.36079E+00	0.97608E+00
0.79932E+03	0.82544E+00	0.43723E+00	0.36090E+00	0.97640E+00
0.79942E+03	0.82528E+00	0.43744E+00	0.36101E+00	0.97668E+00
0.79952E+03	0.82516E+00	0.43765E+00	0.36113E+00	0.97701E+00
0.79962E+03	0.82521E+00	0.43786E+00	0.36133E+00	0.97755E+00
0.79972E+03	0.82541E+00	0.43808E+00	0.36159E+00	0.97827E+00
0.79982E+03	0.82573E+00	0.43829E+00	0.36191E+00	0.97911E+00
0.79992E+03	0.82613E+00	0.43850E+00	0.36226E+00	0.98007E+00
0.80002E+03	0.82658E+00	0.43871E+00	0.36263E+00	0.98107E+00
0.80012E+03	0.82706E+00	0.43891E+00	0.36301E+00	0.98209E+00
0.80022E+03	0.82750E+00	0.43912E+00	0.36337E+00	0.98307E+00
0.80032E+03	0.82789E+00	0.43932E+00	0.36370E+00	0.98398E+00
0.80042E+03	0.82816E+00	0.43952E+00	0.36399E+00	0.98476E+00
0.80052E+03	0.82854E+00	0.43972E+00	0.36433E+00	0.98566E+00
0.80062E+03	0.82914E+00	0.43993E+00	0.36476E+00	0.98683E+00
0.80072E+03	0.82988E+00	0.44013E+00	0.36525E+00	0.98817E+00
0.80082E+03	0.83071E+00	0.44033E+00	0.36579E+00	0.98962E+00
0.80092E+03	0.83144E+00	0.44054E+00	0.36628E+00	0.99096E+00
0.80102E+03	0.83195E+00	0.44074E+00	0.36668E+00	0.99202E+00
0.80112E+03	0.83231E+00	0.44095E+00	0.36700E+00	0.99291E+00
0.80122E+03	0.83254E+00	0.44115E+00	0.36728E+00	0.99364E+00
0.80132E+03	0.83257E+00	0.44136E+00	0.36746E+00	0.99415E+00
0.80142E+03	0.83240E+00	0.44156E+00	0.36756E+00	0.99440E+00
0.80152E+03	0.83207E+00	0.44177E+00	0.36758E+00	0.99446E+00
0.80162E+03	0.83155E+00	0.44197E+00	0.36752E+00	0.99431E+00
0.80172E+03	0.83105E+00	0.44218E+00	0.36747E+00	0.99418E+00
0.80182E+03	0.83077E+00	0.44239E+00	0.36752E+00	0.99431E+00
0.80192E+03	0.83056E+00	0.44259E+00	0.36760E+00	0.99451E+00
0.80202E+03	0.83036E+00	0.44280E+00	0.36768E+00	0.99474E+00
0.80212E+03	0.83017E+00	0.44300E+00	0.36776E+00	0.99496E+00
0.80222E+03	0.82990E+00	0.44320E+00	0.36781E+00	0.99509E+00
0.80232E+03	0.82956E+00	0.44340E+00	0.36783E+00	0.99514E+00
0.80242E+03	0.82919E+00	0.44360E+00	0.36783E+00	0.99514E+00
0.80252E+03	0.82872E+00	0.44379E+00	0.36778E+00	0.99500E+00
0.80262E+03	0.82813E+00	0.44398E+00	0.36767E+00	0.99471E+00
0.80272E+03	0.82756E+00	0.44416E+00	0.36757E+00	0.99444E+00

0.80282E+03	0.82702E+00	0.44435E+00	0.36749E+00	0.99421E+00
0.80292E+03	0.82665E+00	0.44454E+00	0.36748E+00	0.99418E+00
0.80302E+03	0.82654E+00	0.44472E+00	0.36758E+00	0.99447E+00
0.80312E+03	0.82652E+00	0.44491E+00	0.36773E+00	0.99486E+00
0.80322E+03	0.82651E+00	0.44509E+00	0.36787E+00	0.99526E+00
0.80332E+03	0.82649E+00	0.44528E+00	0.36802E+00	0.99565E+00
0.80342E+03	0.82646E+00	0.44547E+00	0.36816E+00	0.99603E+00
0.80352E+03	0.82638E+00	0.44565E+00	0.36828E+00	0.99635E+00
0.80362E+03	0.82623E+00	0.44584E+00	0.36837E+00	0.99659E+00
0.80372E+03	0.82600E+00	0.44603E+00	0.36842E+00	0.99673E+00
0.80382E+03	0.82564E+00	0.44621E+00	0.36841E+00	0.99671E+00
0.80392E+03	0.82529E+00	0.44640E+00	0.36841E+00	0.99670E+00
0.80402E+03	0.82500E+00	0.44659E+00	0.36843E+00	0.99677E+00
0.80412E+03	0.82471E+00	0.44676E+00	0.36845E+00	0.99681E+00
0.80422E+03	0.82440E+00	0.44693E+00	0.36845E+00	0.99682E+00
0.80432E+03	0.82401E+00	0.44711E+00	0.36842E+00	0.99674E+00
0.80442E+03	0.82348E+00	0.44728E+00	0.36833E+00	0.99648E+00
0.80452E+03	0.82292E+00	0.44745E+00	0.36821E+00	0.99617E+00
0.80462E+03	0.82231E+00	0.44762E+00	0.36808E+00	0.99581E+00
0.80472E+03	0.82172E+00	0.44779E+00	0.36796E+00	0.99548E+00
0.80482E+03	0.82123E+00	0.44796E+00	0.36788E+00	0.99526E+00
0.80492E+03	0.82081E+00	0.44813E+00	0.36783E+00	0.99513E+00
0.80502E+03	0.82049E+00	0.44830E+00	0.36783E+00	0.99513E+00
0.80512E+03	0.82041E+00	0.44847E+00	0.36793E+00	0.99541E+00
0.80522E+03	0.82056E+00	0.44864E+00	0.36814E+00	0.99597E+00
0.80532E+03	0.82081E+00	0.44881E+00	0.36839E+00	0.99665E+00
0.80542E+03	0.82110E+00	0.44899E+00	0.36866E+00	0.99739E+00
0.80552E+03	0.82135E+00	0.44916E+00	0.36892E+00	0.99808E+00
0.80562E+03	0.82149E+00	0.44933E+00	0.36912E+00	0.99863E+00
0.80572E+03	0.82162E+00	0.44950E+00	0.36932E+00	0.99917E+00
0.80582E+03	0.82174E+00	0.44967E+00	0.36951E+00	0.99969E+00
0.80592E+03	0.82167E+00	0.44985E+00	0.36963E+00	0.10000E+01
0.80602E+03	0.82127E+00	0.45002E+00	0.36959E+00	0.99989E+00
0.80612E+03	0.82049E+00	0.45018E+00	0.36936E+00	0.99929E+00
0.80622E+03	0.81925E+00	0.45033E+00	0.36894E+00	0.99814E+00
0.80632E+03	0.81769E+00	0.45050E+00	0.36837E+00	0.99659E+00
0.80642E+03	0.81589E+00	0.45067E+00	0.36770E+00	0.99478E+00
0.80652E+03	0.81368E+00	0.45085E+00	0.36684E+00	0.99247E+00
0.80662E+03	0.81096E+00	0.45102E+00	0.36576E+00	0.98954E+00
0.80672E+03	0.80775E+00	0.45120E+00	0.36446E+00	0.98601E+00
0.80682E+03	0.80403E+00	0.45138E+00	0.36292E+00	0.98185E+00
0.80692E+03	0.79975E+00	0.45155E+00	0.36113E+00	0.97701E+00
0.80702E+03	0.79489E+00	0.45173E+00	0.35907E+00	0.97145E+00

0.80712E+03	0.78936E+00	0.45190E+00	0.35671E+00	0.96507E+00
0.80722E+03	0.78315E+00	0.45208E+00	0.35405E+00	0.95785E+00
0.80732E+03	0.77624E+00	0.45226E+00	0.35106E+00	0.94977E+00
0.80742E+03	0.76856E+00	0.45243E+00	0.34772E+00	0.94074E+00
0.80752E+03	0.76016E+00	0.45261E+00	0.34406E+00	0.93083E+00
0.80762E+03	0.75111E+00	0.45279E+00	0.34009E+00	0.92010E+00
0.80772E+03	0.74134E+00	0.45296E+00	0.33580E+00	0.90849E+00
0.80782E+03	0.73085E+00	0.45314E+00	0.33118E+00	0.89598E+00
0.80792E+03	0.71959E+00	0.45332E+00	0.32620E+00	0.88252E+00
0.80802E+03	0.70760E+00	0.45349E+00	0.32089E+00	0.86815E+00
0.80812E+03	0.69487E+00	0.45366E+00	0.31523E+00	0.85284E+00
0.80822E+03	0.68139E+00	0.45382E+00	0.30923E+00	0.83661E+00
0.80832E+03	0.66719E+00	0.45400E+00	0.30290E+00	0.81948E+00
0.80842E+03	0.65232E+00	0.45417E+00	0.29626E+00	0.80152E+00
0.80852E+03	0.63678E+00	0.45434E+00	0.28931E+00	0.78272E+00
0.80862E+03	0.62062E+00	0.45451E+00	0.28208E+00	0.76315E+00
0.80872E+03	0.60399E+00	0.45468E+00	0.27462E+00	0.74298E+00
0.80882E+03	0.58705E+00	0.45485E+00	0.26702E+00	0.72241E+00
0.80892E+03	0.56981E+00	0.45502E+00	0.25928E+00	0.70145E+00
0.80902E+03	0.55234E+00	0.45520E+00	0.25142E+00	0.68020E+00
0.80912E+03	0.53466E+00	0.45537E+00	0.24347E+00	0.65869E+00
0.80922E+03	0.51681E+00	0.45554E+00	0.23543E+00	0.63693E+00
0.80932E+03	0.49876E+00	0.45571E+00	0.22729E+00	0.61493E+00
0.80942E+03	0.48061E+00	0.45589E+00	0.21911E+00	0.59278E+00
0.80952E+03	0.46244E+00	0.45606E+00	0.21090E+00	0.57058E+00
0.80962E+03	0.44435E+00	0.45624E+00	0.20273E+00	0.54847E+00
0.80972E+03	0.42643E+00	0.45641E+00	0.19463E+00	0.52655E+00
0.80982E+03	0.40875E+00	0.45659E+00	0.18663E+00	0.50491E+00
0.80992E+03	0.39124E+00	0.45676E+00	0.17871E+00	0.48348E+00
0.81002E+03	0.37398E+00	0.45694E+00	0.17088E+00	0.46232E+00
0.81012E+03	0.35698E+00	0.45711E+00	0.16318E+00	0.44147E+00
0.81022E+03	0.34030E+00	0.45729E+00	0.15562E+00	0.42101E+00
0.81032E+03	0.32396E+00	0.45747E+00	0.14820E+00	0.40095E+00
0.81042E+03	0.30801E+00	0.45764E+00	0.14096E+00	0.38136E+00
0.81052E+03	0.29250E+00	0.45782E+00	0.13391E+00	0.36229E+00
0.81062E+03	0.27751E+00	0.45800E+00	0.12710E+00	0.34386E+00
0.81072E+03	0.26298E+00	0.45817E+00	0.12049E+00	0.32598E+00
0.81082E+03	0.24899E+00	0.45835E+00	0.11413E+00	0.30876E+00
0.81092E+03	0.23557E+00	0.45853E+00	0.10802E+00	0.29223E+00
0.81102E+03	0.22277E+00	0.45871E+00	0.10219E+00	0.27646E+00
0.81112E+03	0.21052E+00	0.45889E+00	0.96605E-01	0.26136E+00
0.81122E+03	0.19885E+00	0.45907E+00	0.91284E-01	0.24696E+00
0.81132E+03	0.18773E+00	0.45925E+00	0.86215E-01	0.23325E+00

0.81142E+03	0.17719E+00	0.45942E+00	0.81408E-01	0.22024E+00
0.81152E+03	0.16716E+00	0.45960E+00	0.76827E-01	0.20785E+00
0.81162E+03	0.15763E+00	0.45978E+00	0.72477E-01	0.19608E+00
0.81172E+03	0.14863E+00	0.45996E+00	0.68364E-01	0.18496E+00
0.81182E+03	0.14020E+00	0.46014E+00	0.64512E-01	0.17453E+00
0.81192E+03	0.13228E+00	0.46032E+00	0.60889E-01	0.16473E+00
0.81202E+03	0.12490E+00	0.46049E+00	0.57514E-01	0.15560E+00
0.81212E+03	0.11800E+00	0.46066E+00	0.54358E-01	0.14706E+00
0.81222E+03	0.11159E+00	0.46083E+00	0.51422E-01	0.13912E+00
0.81232E+03	0.10551E+00	0.46099E+00	0.48640E-01	0.13159E+00
0.81242E+03	0.99767E-01	0.46116E+00	0.46008E-01	0.12447E+00
0.81252E+03	0.94253E-01	0.46132E+00	0.43481E-01	0.11763E+00
0.81262E+03	0.88967E-01	0.46148E+00	0.41057E-01	0.11108E+00
0.81272E+03	0.83951E-01	0.46165E+00	0.38756E-01	0.10485E+00
0.81282E+03	0.79270E-01	0.46181E+00	0.36608E-01	0.99040E-01
0.81292E+03	0.74882E-01	0.46198E+00	0.34594E-01	0.93592E-01
0.81302E+03	0.70869E-01	0.46214E+00	0.32752E-01	0.88607E-01
0.81312E+03	0.67064E-01	0.46231E+00	0.31004E-01	0.83879E-01
0.81322E+03	0.63400E-01	0.46247E+00	0.29321E-01	0.79326E-01
0.81332E+03	0.59893E-01	0.46264E+00	0.27709E-01	0.74964E-01
0.81342E+03	0.56589E-01	0.46281E+00	0.26190E-01	0.70854E-01
0.81352E+03	0.53451E-01	0.46297E+00	0.24746E-01	0.66950E-01
0.81362E+03	0.50517E-01	0.46314E+00	0.23396E-01	0.63297E-01
0.81372E+03	0.47741E-01	0.46330E+00	0.22118E-01	0.59840E-01
0.81382E+03	0.45142E-01	0.46347E+00	0.20922E-01	0.56603E-01
0.81392E+03	0.42715E-01	0.46363E+00	0.19804E-01	0.53578E-01
0.81402E+03	0.40466E-01	0.46379E+00	0.18768E-01	0.50775E-01
0.81412E+03	0.38438E-01	0.46394E+00	0.17833E-01	0.48246E-01
0.81422E+03	0.36711E-01	0.46409E+00	0.17037E-01	0.46093E-01
0.81432E+03	0.35210E-01	0.46424E+00	0.16346E-01	0.44222E-01
0.81442E+03	0.33919E-01	0.46439E+00	0.15751E-01	0.42614E-01
0.81452E+03	0.32671E-01	0.46454E+00	0.15177E-01	0.41060E-01
0.81462E+03	0.31446E-01	0.46469E+00	0.14612E-01	0.39533E-01
0.81472E+03	0.30262E-01	0.46484E+00	0.14067E-01	0.38057E-01
0.81482E+03	0.29121E-01	0.46499E+00	0.13541E-01	0.36634E-01
0.81492E+03	0.28004E-01	0.46513E+00	0.13026E-01	0.35240E-01
0.81502E+03	0.26933E-01	0.46528E+00	0.12531E-01	0.33903E-01
0.81512E+03	0.25905E-01	0.46543E+00	0.12057E-01	0.32620E-01
0.81522E+03	0.24881E-01	0.46559E+00	0.11584E-01	0.31341E-01
0.81532E+03	0.23892E-01	0.46574E+00	0.11128E-01	0.30105E-01
0.81542E+03	0.22922E-01	0.46589E+00	0.10679E-01	0.28892E-01
0.81552E+03	0.21986E-01	0.46604E+00	0.10246E-01	0.27721E-01
0.81562E+03	0.21059E-01	0.46619E+00	0.98177E-02	0.26561E-01

0.81572E+03	0.20134E-01	0.46634E+00	0.93891E-02	0.25402E-01
0.81582E+03	0.19310E-01	0.46649E+00	0.90081E-02	0.24371E-01
0.81592E+03	0.18504E-01	0.46664E+00	0.86349E-02	0.23361E-01
0.81602E+03	0.17709E-01	0.46678E+00	0.82660E-02	0.22363E-01
0.81612E+03	0.16940E-01	0.46690E+00	0.79093E-02	0.21398E-01
0.81622E+03	0.16173E-01	0.46702E+00	0.75530E-02	0.20434E-01
0.81632E+03	0.15503E-01	0.46715E+00	0.72420E-02	0.19593E-01
0.81642E+03	0.14896E-01	0.46727E+00	0.69603E-02	0.18831E-01
0.81652E+03	0.14296E-01	0.46739E+00	0.66818E-02	0.18077E-01
0.81662E+03	0.13711E-01	0.46751E+00	0.64099E-02	0.17342E-01
0.81672E+03	0.13128E-01	0.46763E+00	0.61389E-02	0.16608E-01
0.81682E+03	0.12552E-01	0.46775E+00	0.58713E-02	0.15884E-01
0.81692E+03	0.11988E-01	0.46787E+00	0.56088E-02	0.15174E-01
0.81702E+03	0.11437E-01	0.46799E+00	0.53526E-02	0.14481E-01
0.81712E+03	0.10932E-01	0.46811E+00	0.51176E-02	0.13845E-01
0.81722E+03	0.10430E-01	0.46822E+00	0.48837E-02	0.13213E-01
0.81732E+03	0.99455E-02	0.46834E+00	0.46579E-02	0.12602E-01
0.81742E+03	0.94800E-02	0.46846E+00	0.44410E-02	0.12015E-01
0.81752E+03	0.90491E-02	0.46858E+00	0.42402E-02	0.11471E-01
0.81762E+03	0.86308E-02	0.46869E+00	0.40452E-02	0.10944E-01
0.81772E+03	0.82320E-02	0.46881E+00	0.38592E-02	0.10441E-01
0.81782E+03	0.78352E-02	0.46892E+00	0.36741E-02	0.99401E-02
0.81792E+03	0.74449E-02	0.46905E+00	0.34920E-02	0.94474E-02
0.81802E+03	0.70605E-02	0.46917E+00	0.33126E-02	0.89619E-02
0.81812E+03	0.66854E-02	0.46926E+00	0.31372E-02	0.84875E-02
0.81822E+03	0.63178E-02	0.46936E+00	0.29653E-02	0.80224E-02
0.81832E+03	0.59599E-02	0.46945E+00	0.27979E-02	0.75695E-02
0.81842E+03	0.56096E-02	0.46955E+00	0.26340E-02	0.71260E-02
0.81852E+03	0.52739E-02	0.46964E+00	0.24768E-02	0.67009E-02
0.81862E+03	0.49522E-02	0.46973E+00	0.23262E-02	0.62934E-02
0.81872E+03	0.46554E-02	0.46983E+00	0.21872E-02	0.59175E-02
0.81882E+03	0.43608E-02	0.46992E+00	0.20492E-02	0.55441E-02
0.81892E+03	0.40710E-02	0.47001E+00	0.19134E-02	0.51767E-02
0.81902E+03	0.37898E-02	0.47011E+00	0.17816E-02	0.48200E-02
0.81912E+03	0.35110E-02	0.47020E+00	0.16509E-02	0.44663E-02
0.81922E+03	0.32328E-02	0.47029E+00	0.15203E-02	0.41131E-02
0.81932E+03	0.29589E-02	0.47038E+00	0.13918E-02	0.37654E-02
0.81942E+03	0.26894E-02	0.47047E+00	0.12653E-02	0.34231E-02
0.81952E+03	0.24236E-02	0.47056E+00	0.11404E-02	0.30853E-02
0.81962E+03	0.21623E-02	0.47065E+00	0.10177E-02	0.27533E-02
0.81972E+03	0.19031E-02	0.47074E+00	0.89585E-03	0.24237E-02
0.81982E+03	0.16445E-02	0.47084E+00	0.77431E-03	0.20948E-02
0.81992E+03	0.13868E-02	0.47096E+00	0.65313E-03	0.17670E-02

0.82002E+03	0.11383E-02	0.47108E+00	0.53624E-03	0.14508E-02
0.82012E+03	0.91204E-03	0.47117E+00	0.42973E-03	0.11626E-02
0.82022E+03	0.69475E-03	0.47127E+00	0.32741E-03	0.88580E-03
0.82032E+03	0.48336E-03	0.47136E+00	0.22784E-03	0.61640E-03
0.82042E+03	0.27851E-03	0.47146E+00	0.13131E-03	0.35524E-03
0.82052E+03	0.82590E-04	0.47155E+00	0.38945E-04	0.10536E-03
0.82062E+03	0.00000E+00	0.47165E+00	0.00000E+00	0.00000E+00
Channel 11				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.13243E+04	0.00000E+00	0.30632E+00	0.00000E+00	0.00000E+00
0.13244E+04	0.42639E-04	0.30632E+00	0.13061E-04	0.53525E-04
0.13245E+04	0.96851E-04	0.30633E+00	0.29669E-04	0.12158E-03
0.13246E+04	0.15248E-03	0.30634E+00	0.46711E-04	0.19142E-03
0.13247E+04	0.20850E-03	0.30635E+00	0.63873E-04	0.26175E-03
0.13248E+04	0.26516E-03	0.30636E+00	0.81236E-04	0.33290E-03
0.13249E+04	0.32208E-03	0.30637E+00	0.98675E-04	0.40437E-03
0.13250E+04	0.38007E-03	0.30638E+00	0.11644E-03	0.47718E-03
0.13251E+04	0.43819E-03	0.30639E+00	0.13425E-03	0.55016E-03
0.13252E+04	0.49895E-03	0.30639E+00	0.15287E-03	0.62647E-03
0.13253E+04	0.56049E-03	0.30639E+00	0.17173E-03	0.70374E-03
0.13254E+04	0.62295E-03	0.30639E+00	0.19087E-03	0.78216E-03
0.13255E+04	0.68595E-03	0.30639E+00	0.21017E-03	0.86125E-03
0.13256E+04	0.74896E-03	0.30638E+00	0.22947E-03	0.94036E-03
0.13257E+04	0.81197E-03	0.30638E+00	0.24877E-03	0.10195E-02
0.13258E+04	0.87509E-03	0.30638E+00	0.26811E-03	0.10987E-02
0.13259E+04	0.93846E-03	0.30638E+00	0.28752E-03	0.11783E-02
0.13260E+04	0.10020E-02	0.30638E+00	0.30699E-03	0.12580E-02
0.13261E+04	0.10659E-02	0.30642E+00	0.32662E-03	0.13385E-02
0.13262E+04	0.11324E-02	0.30646E+00	0.34703E-03	0.14221E-02
0.13263E+04	0.11991E-02	0.30650E+00	0.36753E-03	0.15061E-02
0.13264E+04	0.12680E-02	0.30655E+00	0.38870E-03	0.15929E-02
0.13265E+04	0.13369E-02	0.30659E+00	0.40990E-03	0.16797E-02
0.13266E+04	0.14065E-02	0.30663E+00	0.43129E-03	0.17674E-02
0.13267E+04	0.14761E-02	0.30668E+00	0.45270E-03	0.18551E-02
0.13268E+04	0.15460E-02	0.30672E+00	0.47419E-03	0.19432E-02
0.13269E+04	0.16167E-02	0.30676E+00	0.49593E-03	0.20323E-02
0.13270E+04	0.16880E-02	0.30680E+00	0.51788E-03	0.21222E-02
0.13271E+04	0.17593E-02	0.30685E+00	0.53984E-03	0.22122E-02
0.13272E+04	0.18319E-02	0.30689E+00	0.56218E-03	0.23038E-02
0.13273E+04	0.19047E-02	0.30693E+00	0.58459E-03	0.23956E-02

0.13274E+04	0.19784E-02	0.30697E+00	0.60731E-03	0.24887E-02
0.13275E+04	0.20530E-02	0.30701E+00	0.63029E-03	0.25829E-02
0.13276E+04	0.21291E-02	0.30705E+00	0.65373E-03	0.26790E-02
0.13277E+04	0.22052E-02	0.30709E+00	0.67719E-03	0.27751E-02
0.13278E+04	0.22816E-02	0.30713E+00	0.70076E-03	0.28717E-02
0.13279E+04	0.23608E-02	0.30717E+00	0.72517E-03	0.29717E-02
0.13280E+04	0.24403E-02	0.30721E+00	0.74969E-03	0.30722E-02
0.13281E+04	0.25212E-02	0.30729E+00	0.77474E-03	0.31748E-02
0.13282E+04	0.26022E-02	0.30737E+00	0.79984E-03	0.32777E-02
0.13283E+04	0.26834E-02	0.30745E+00	0.82499E-03	0.33808E-02
0.13284E+04	0.27646E-02	0.30752E+00	0.85019E-03	0.34840E-02
0.13285E+04	0.28460E-02	0.30760E+00	0.87542E-03	0.35874E-02
0.13286E+04	0.29289E-02	0.30768E+00	0.90118E-03	0.36930E-02
0.13287E+04	0.30136E-02	0.30776E+00	0.92746E-03	0.38007E-02
0.13288E+04	0.30985E-02	0.30784E+00	0.95383E-03	0.39088E-02
0.13289E+04	0.31837E-02	0.30792E+00	0.98033E-03	0.40173E-02
0.13290E+04	0.32693E-02	0.30799E+00	0.10069E-02	0.41263E-02
0.13291E+04	0.33550E-02	0.30807E+00	0.10336E-02	0.42356E-02
0.13292E+04	0.34419E-02	0.30815E+00	0.10606E-02	0.43463E-02
0.13293E+04	0.35298E-02	0.30823E+00	0.10880E-02	0.44586E-02
0.13294E+04	0.36178E-02	0.30831E+00	0.11154E-02	0.45708E-02
0.13295E+04	0.37061E-02	0.30839E+00	0.11429E-02	0.46835E-02
0.13296E+04	0.37970E-02	0.30846E+00	0.11712E-02	0.47997E-02
0.13297E+04	0.38884E-02	0.30854E+00	0.11997E-02	0.49165E-02
0.13298E+04	0.39827E-02	0.30862E+00	0.12291E-02	0.50370E-02
0.13299E+04	0.40793E-02	0.30870E+00	0.12593E-02	0.51605E-02
0.13300E+04	0.41775E-02	0.30878E+00	0.12899E-02	0.52860E-02
0.13301E+04	0.42765E-02	0.30888E+00	0.13209E-02	0.54132E-02
0.13302E+04	0.43759E-02	0.30899E+00	0.13521E-02	0.55408E-02
0.13303E+04	0.44762E-02	0.30909E+00	0.13836E-02	0.56698E-02
0.13304E+04	0.45783E-02	0.30920E+00	0.14156E-02	0.58011E-02
0.13305E+04	0.46816E-02	0.30930E+00	0.14480E-02	0.59340E-02
0.13306E+04	0.47857E-02	0.30941E+00	0.14807E-02	0.60680E-02
0.13307E+04	0.48946E-02	0.30951E+00	0.15149E-02	0.62080E-02
0.13308E+04	0.50035E-02	0.30962E+00	0.15492E-02	0.63484E-02
0.13309E+04	0.51125E-02	0.30972E+00	0.15835E-02	0.64889E-02
0.13310E+04	0.52219E-02	0.30982E+00	0.16179E-02	0.66299E-02
0.13311E+04	0.53326E-02	0.30992E+00	0.16527E-02	0.67725E-02
0.13312E+04	0.54443E-02	0.31001E+00	0.16878E-02	0.69165E-02
0.13313E+04	0.55565E-02	0.31011E+00	0.17231E-02	0.70612E-02
0.13314E+04	0.56716E-02	0.31020E+00	0.17593E-02	0.72097E-02
0.13315E+04	0.57868E-02	0.31030E+00	0.17956E-02	0.73584E-02
0.13316E+04	0.59021E-02	0.31039E+00	0.18320E-02	0.75074E-02

0.13317E+04	0.60198E-02	0.31049E+00	0.18691E-02	0.76594E-02
0.13318E+04	0.61379E-02	0.31058E+00	0.19063E-02	0.78120E-02
0.13319E+04	0.62578E-02	0.31068E+00	0.19442E-02	0.79670E-02
0.13320E+04	0.63800E-02	0.31077E+00	0.19827E-02	0.81252E-02
0.13321E+04	0.65045E-02	0.31089E+00	0.20222E-02	0.82868E-02
0.13322E+04	0.66555E-02	0.31100E+00	0.20699E-02	0.84823E-02
0.13323E+04	0.68240E-02	0.31112E+00	0.21231E-02	0.87002E-02
0.13324E+04	0.69990E-02	0.31123E+00	0.21783E-02	0.89267E-02
0.13325E+04	0.71765E-02	0.31135E+00	0.22344E-02	0.91564E-02
0.13326E+04	0.73556E-02	0.31146E+00	0.22910E-02	0.93883E-02
0.13327E+04	0.75737E-02	0.31158E+00	0.23598E-02	0.96703E-02
0.13328E+04	0.78312E-02	0.31169E+00	0.24409E-02	0.10003E-01
0.13329E+04	0.81145E-02	0.31180E+00	0.25301E-02	0.10368E-01
0.13330E+04	0.84121E-02	0.31191E+00	0.26238E-02	0.10752E-01
0.13331E+04	0.87271E-02	0.31202E+00	0.27230E-02	0.11159E-01
0.13332E+04	0.90423E-02	0.31213E+00	0.28224E-02	0.11566E-01
0.13333E+04	0.93631E-02	0.31223E+00	0.29235E-02	0.11980E-01
0.13334E+04	0.96955E-02	0.31234E+00	0.30283E-02	0.12410E-01
0.13335E+04	0.10040E-01	0.31245E+00	0.31370E-02	0.12855E-01
0.13336E+04	0.10398E-01	0.31256E+00	0.32500E-02	0.13318E-01
0.13337E+04	0.10760E-01	0.31266E+00	0.33642E-02	0.13786E-01
0.13338E+04	0.11122E-01	0.31277E+00	0.34787E-02	0.14256E-01
0.13339E+04	0.11509E-01	0.31288E+00	0.36009E-02	0.14756E-01
0.13340E+04	0.11922E-01	0.31298E+00	0.37313E-02	0.15291E-01
0.13341E+04	0.12345E-01	0.31309E+00	0.38652E-02	0.15840E-01
0.13342E+04	0.12772E-01	0.31320E+00	0.40002E-02	0.16393E-01
0.13343E+04	0.13201E-01	0.31331E+00	0.41359E-02	0.16949E-01
0.13344E+04	0.13641E-01	0.31342E+00	0.42752E-02	0.17520E-01
0.13345E+04	0.14113E-01	0.31353E+00	0.44249E-02	0.18133E-01
0.13346E+04	0.14659E-01	0.31364E+00	0.45977E-02	0.18841E-01
0.13347E+04	0.15220E-01	0.31375E+00	0.47753E-02	0.19569E-01
0.13348E+04	0.15783E-01	0.31386E+00	0.49537E-02	0.20300E-01
0.13349E+04	0.16362E-01	0.31397E+00	0.51371E-02	0.21052E-01
0.13350E+04	0.16942E-01	0.31409E+00	0.53211E-02	0.21806E-01
0.13351E+04	0.17532E-01	0.31420E+00	0.55086E-02	0.22574E-01
0.13352E+04	0.18131E-01	0.31432E+00	0.56988E-02	0.23353E-01
0.13353E+04	0.18749E-01	0.31443E+00	0.58952E-02	0.24158E-01
0.13354E+04	0.19367E-01	0.31455E+00	0.60919E-02	0.24964E-01
0.13355E+04	0.19993E-01	0.31466E+00	0.62910E-02	0.25780E-01
0.13356E+04	0.20645E-01	0.31478E+00	0.64986E-02	0.26631E-01
0.13357E+04	0.21345E-01	0.31489E+00	0.67212E-02	0.27543E-01
0.13358E+04	0.22080E-01	0.31500E+00	0.69553E-02	0.28502E-01
0.13359E+04	0.22851E-01	0.31512E+00	0.72008E-02	0.29508E-01

0.13360E+04	0.23655E-01	0.31523E+00	0.74569E-02	0.30558E-01
0.13361E+04	0.24462E-01	0.31534E+00	0.77140E-02	0.31611E-01
0.13362E+04	0.25270E-01	0.31545E+00	0.79714E-02	0.32666E-01
0.13363E+04	0.26084E-01	0.31555E+00	0.82310E-02	0.33730E-01
0.13364E+04	0.26959E-01	0.31566E+00	0.85099E-02	0.34873E-01
0.13365E+04	0.27912E-01	0.31576E+00	0.88136E-02	0.36118E-01
0.13366E+04	0.28962E-01	0.31587E+00	0.91481E-02	0.37489E-01
0.13367E+04	0.30102E-01	0.31598E+00	0.95116E-02	0.38978E-01
0.13368E+04	0.31268E-01	0.31609E+00	0.98836E-02	0.40502E-01
0.13369E+04	0.32512E-01	0.31621E+00	0.10280E-01	0.42129E-01
0.13370E+04	0.33773E-01	0.31632E+00	0.10683E-01	0.43779E-01
0.13371E+04	0.35081E-01	0.31644E+00	0.11101E-01	0.45492E-01
0.13372E+04	0.36424E-01	0.31656E+00	0.11530E-01	0.47251E-01
0.13373E+04	0.37844E-01	0.31668E+00	0.11984E-01	0.49112E-01
0.13374E+04	0.39336E-01	0.31680E+00	0.12462E-01	0.51067E-01
0.13375E+04	0.40877E-01	0.31692E+00	0.12954E-01	0.53087E-01
0.13376E+04	0.42476E-01	0.31703E+00	0.13466E-01	0.55184E-01
0.13377E+04	0.44095E-01	0.31715E+00	0.13985E-01	0.57309E-01
0.13378E+04	0.45793E-01	0.31727E+00	0.14529E-01	0.59538E-01
0.13379E+04	0.47567E-01	0.31739E+00	0.15097E-01	0.61867E-01
0.13380E+04	0.49467E-01	0.31751E+00	0.15706E-01	0.64363E-01
0.13381E+04	0.51466E-01	0.31760E+00	0.16346E-01	0.66984E-01
0.13382E+04	0.53613E-01	0.31770E+00	0.17033E-01	0.69799E-01
0.13383E+04	0.55872E-01	0.31780E+00	0.17756E-01	0.72763E-01
0.13384E+04	0.58231E-01	0.31789E+00	0.18511E-01	0.75857E-01
0.13385E+04	0.60740E-01	0.31799E+00	0.19314E-01	0.79149E-01
0.13386E+04	0.63349E-01	0.31808E+00	0.20150E-01	0.82574E-01
0.13387E+04	0.66144E-01	0.31820E+00	0.21047E-01	0.86250E-01
0.13388E+04	0.69091E-01	0.31832E+00	0.21993E-01	0.90128E-01
0.13389E+04	0.72219E-01	0.31845E+00	0.22998E-01	0.94244E-01
0.13390E+04	0.75532E-01	0.31857E+00	0.24062E-01	0.98605E-01
0.13391E+04	0.79041E-01	0.31869E+00	0.25190E-01	0.10323E+00
0.13392E+04	0.82675E-01	0.31881E+00	0.26358E-01	0.10801E+00
0.13393E+04	0.86484E-01	0.31893E+00	0.27583E-01	0.11303E+00
0.13394E+04	0.90426E-01	0.31906E+00	0.28851E-01	0.11823E+00
0.13395E+04	0.94540E-01	0.31918E+00	0.30175E-01	0.12366E+00
0.13396E+04	0.98870E-01	0.31930E+00	0.31570E-01	0.12937E+00
0.13397E+04	0.10335E+00	0.31942E+00	0.33014E-01	0.13529E+00
0.13398E+04	0.10809E+00	0.31955E+00	0.34541E-01	0.14155E+00
0.13399E+04	0.11303E+00	0.31967E+00	0.36131E-01	0.14806E+00
0.13400E+04	0.11821E+00	0.31979E+00	0.37804E-01	0.15492E+00
0.13401E+04	0.12361E+00	0.31988E+00	0.39540E-01	0.16203E+00
0.13402E+04	0.12923E+00	0.31996E+00	0.41348E-01	0.16944E+00

0.13403E+04	0.13507E+00	0.32005E+00	0.43228E-01	0.17714E+00
0.13404E+04	0.14118E+00	0.32013E+00	0.45194E-01	0.18520E+00
0.13405E+04	0.14751E+00	0.32021E+00	0.47236E-01	0.19357E+00
0.13406E+04	0.15414E+00	0.32030E+00	0.49370E-01	0.20231E+00
0.13407E+04	0.16101E+00	0.32039E+00	0.51587E-01	0.21140E+00
0.13408E+04	0.16812E+00	0.32048E+00	0.53880E-01	0.22080E+00
0.13409E+04	0.17549E+00	0.32058E+00	0.56257E-01	0.23054E+00
0.13410E+04	0.18308E+00	0.32067E+00	0.58707E-01	0.24058E+00
0.13411E+04	0.19094E+00	0.32076E+00	0.61247E-01	0.25099E+00
0.13412E+04	0.19906E+00	0.32086E+00	0.63870E-01	0.26174E+00
0.13413E+04	0.20750E+00	0.32095E+00	0.66598E-01	0.27292E+00
0.13414E+04	0.21617E+00	0.32105E+00	0.69402E-01	0.28440E+00
0.13415E+04	0.22511E+00	0.32114E+00	0.72291E-01	0.29624E+00
0.13416E+04	0.23425E+00	0.32124E+00	0.75251E-01	0.30837E+00
0.13417E+04	0.24365E+00	0.32133E+00	0.78292E-01	0.32083E+00
0.13418E+04	0.25326E+00	0.32143E+00	0.81403E-01	0.33358E+00
0.13419E+04	0.26307E+00	0.32152E+00	0.84583E-01	0.34662E+00
0.13420E+04	0.27311E+00	0.32161E+00	0.87834E-01	0.35994E+00
0.13421E+04	0.28340E+00	0.32166E+00	0.91157E-01	0.37356E+00
0.13422E+04	0.29392E+00	0.32171E+00	0.94555E-01	0.38748E+00
0.13423E+04	0.30469E+00	0.32175E+00	0.98036E-01	0.40175E+00
0.13424E+04	0.31569E+00	0.32180E+00	0.10159E+00	0.41631E+00
0.13425E+04	0.32689E+00	0.32185E+00	0.10521E+00	0.43115E+00
0.13426E+04	0.33826E+00	0.32191E+00	0.10889E+00	0.44622E+00
0.13427E+04	0.34974E+00	0.32197E+00	0.11261E+00	0.46146E+00
0.13428E+04	0.36130E+00	0.32204E+00	0.11635E+00	0.47680E+00
0.13429E+04	0.37290E+00	0.32210E+00	0.12011E+00	0.49220E+00
0.13430E+04	0.38452E+00	0.32216E+00	0.12388E+00	0.50765E+00
0.13431E+04	0.39616E+00	0.32223E+00	0.12765E+00	0.52312E+00
0.13432E+04	0.40782E+00	0.32229E+00	0.13144E+00	0.53863E+00
0.13433E+04	0.41953E+00	0.32236E+00	0.13524E+00	0.55420E+00
0.13434E+04	0.43125E+00	0.32242E+00	0.13904E+00	0.56979E+00
0.13435E+04	0.44299E+00	0.32249E+00	0.14286E+00	0.58542E+00
0.13436E+04	0.45469E+00	0.32255E+00	0.14666E+00	0.60100E+00
0.13437E+04	0.46634E+00	0.32261E+00	0.15045E+00	0.61652E+00
0.13438E+04	0.47792E+00	0.32268E+00	0.15421E+00	0.63196E+00
0.13439E+04	0.48942E+00	0.32274E+00	0.15796E+00	0.64730E+00
0.13440E+04	0.50081E+00	0.32281E+00	0.16167E+00	0.66250E+00
0.13441E+04	0.51207E+00	0.32282E+00	0.16531E+00	0.67742E+00
0.13442E+04	0.52324E+00	0.32283E+00	0.16892E+00	0.69222E+00
0.13443E+04	0.53432E+00	0.32284E+00	0.17250E+00	0.70690E+00
0.13444E+04	0.54534E+00	0.32285E+00	0.17607E+00	0.72151E+00
0.13445E+04	0.55625E+00	0.32286E+00	0.17959E+00	0.73596E+00

0.13446E+04	0.56700E+00	0.32287E+00	0.18307E+00	0.75019E+00
0.13447E+04	0.57754E+00	0.32288E+00	0.18647E+00	0.76416E+00
0.13448E+04	0.58782E+00	0.32288E+00	0.18980E+00	0.77778E+00
0.13449E+04	0.59786E+00	0.32289E+00	0.19304E+00	0.79107E+00
0.13450E+04	0.60762E+00	0.32289E+00	0.19620E+00	0.80400E+00
0.13451E+04	0.61716E+00	0.32290E+00	0.19928E+00	0.81663E+00
0.13452E+04	0.62641E+00	0.32290E+00	0.20227E+00	0.82889E+00
0.13453E+04	0.63537E+00	0.32291E+00	0.20517E+00	0.84076E+00
0.13454E+04	0.64399E+00	0.32292E+00	0.20795E+00	0.85218E+00
0.13455E+04	0.65227E+00	0.32292E+00	0.21063E+00	0.86315E+00
0.13456E+04	0.66023E+00	0.32293E+00	0.21321E+00	0.87371E+00
0.13457E+04	0.66786E+00	0.32293E+00	0.21567E+00	0.88382E+00
0.13458E+04	0.67520E+00	0.32294E+00	0.21805E+00	0.89355E+00
0.13459E+04	0.68218E+00	0.32294E+00	0.22031E+00	0.90281E+00
0.13460E+04	0.68886E+00	0.32295E+00	0.22247E+00	0.91166E+00
0.13461E+04	0.69521E+00	0.32290E+00	0.22448E+00	0.91992E+00
0.13462E+04	0.70127E+00	0.32285E+00	0.22641E+00	0.92780E+00
0.13463E+04	0.70699E+00	0.32280E+00	0.22822E+00	0.93523E+00
0.13464E+04	0.71236E+00	0.32276E+00	0.22992E+00	0.94219E+00
0.13465E+04	0.71737E+00	0.32269E+00	0.23149E+00	0.94863E+00
0.13466E+04	0.72200E+00	0.32263E+00	0.23294E+00	0.95456E+00
0.13467E+04	0.72631E+00	0.32256E+00	0.23428E+00	0.96007E+00
0.13468E+04	0.73028E+00	0.32250E+00	0.23552E+00	0.96513E+00
0.13469E+04	0.73398E+00	0.32244E+00	0.23666E+00	0.96983E+00
0.13470E+04	0.73739E+00	0.32237E+00	0.23771E+00	0.97413E+00
0.13471E+04	0.74051E+00	0.32231E+00	0.23867E+00	0.97807E+00
0.13472E+04	0.74335E+00	0.32224E+00	0.23954E+00	0.98162E+00
0.13473E+04	0.74595E+00	0.32218E+00	0.24033E+00	0.98486E+00
0.13474E+04	0.74828E+00	0.32211E+00	0.24103E+00	0.98774E+00
0.13475E+04	0.75037E+00	0.32205E+00	0.24166E+00	0.99030E+00
0.13476E+04	0.75225E+00	0.32199E+00	0.24221E+00	0.99257E+00
0.13477E+04	0.75388E+00	0.32192E+00	0.24269E+00	0.99454E+00
0.13478E+04	0.75534E+00	0.32186E+00	0.24311E+00	0.99626E+00
0.13479E+04	0.75653E+00	0.32179E+00	0.24345E+00	0.99764E+00
0.13480E+04	0.75755E+00	0.32173E+00	0.24373E+00	0.99878E+00
0.13481E+04	0.75834E+00	0.32161E+00	0.24389E+00	0.99945E+00
0.13482E+04	0.75892E+00	0.32150E+00	0.24399E+00	0.99986E+00
0.13483E+04	0.75931E+00	0.32138E+00	0.24402E+00	0.10000E+01
0.13484E+04	0.75950E+00	0.32125E+00	0.24399E+00	0.99987E+00
0.13485E+04	0.75951E+00	0.32113E+00	0.24390E+00	0.99949E+00
0.13486E+04	0.75938E+00	0.32100E+00	0.24376E+00	0.99893E+00
0.13487E+04	0.75909E+00	0.32087E+00	0.24357E+00	0.99814E+00
0.13488E+04	0.75864E+00	0.32075E+00	0.24333E+00	0.99716E+00

0.13489E+04	0.75809E+00	0.32062E+00	0.24306E+00	0.99604E+00
0.13490E+04	0.75742E+00	0.32049E+00	0.24275E+00	0.99478E+00
0.13491E+04	0.75672E+00	0.32037E+00	0.24243E+00	0.99346E+00
0.13492E+04	0.75596E+00	0.32024E+00	0.24209E+00	0.99206E+00
0.13493E+04	0.75515E+00	0.32011E+00	0.24173E+00	0.99060E+00
0.13494E+04	0.75423E+00	0.31998E+00	0.24134E+00	0.98900E+00
0.13495E+04	0.75328E+00	0.31985E+00	0.24094E+00	0.98737E+00
0.13496E+04	0.75224E+00	0.31973E+00	0.24051E+00	0.98560E+00
0.13497E+04	0.75114E+00	0.31960E+00	0.24006E+00	0.98377E+00
0.13498E+04	0.74999E+00	0.31947E+00	0.23960E+00	0.98187E+00
0.13499E+04	0.74885E+00	0.31934E+00	0.23914E+00	0.97998E+00
0.13500E+04	0.74773E+00	0.31921E+00	0.23869E+00	0.97813E+00
0.13501E+04	0.74663E+00	0.31904E+00	0.23820E+00	0.97614E+00
0.13502E+04	0.74550E+00	0.31886E+00	0.23771E+00	0.97413E+00
0.13503E+04	0.74435E+00	0.31869E+00	0.23721E+00	0.97209E+00
0.13504E+04	0.74318E+00	0.31851E+00	0.23671E+00	0.97001E+00
0.13505E+04	0.74202E+00	0.31832E+00	0.23620E+00	0.96794E+00
0.13506E+04	0.74083E+00	0.31814E+00	0.23569E+00	0.96585E+00
0.13507E+04	0.73965E+00	0.31796E+00	0.23518E+00	0.96376E+00
0.13508E+04	0.73845E+00	0.31778E+00	0.23467E+00	0.96165E+00
0.13509E+04	0.73726E+00	0.31760E+00	0.23415E+00	0.95954E+00
0.13510E+04	0.73605E+00	0.31742E+00	0.23363E+00	0.95742E+00
0.13511E+04	0.73485E+00	0.31723E+00	0.23312E+00	0.95531E+00
0.13512E+04	0.73367E+00	0.31705E+00	0.23261E+00	0.95322E+00
0.13513E+04	0.73252E+00	0.31687E+00	0.23211E+00	0.95117E+00
0.13514E+04	0.73137E+00	0.31668E+00	0.23161E+00	0.94913E+00
0.13515E+04	0.73023E+00	0.31650E+00	0.23112E+00	0.94710E+00
0.13516E+04	0.72906E+00	0.31631E+00	0.23061E+00	0.94504E+00
0.13517E+04	0.72787E+00	0.31613E+00	0.23010E+00	0.94294E+00
0.13518E+04	0.72665E+00	0.31595E+00	0.22958E+00	0.94081E+00
0.13519E+04	0.72539E+00	0.31576E+00	0.22905E+00	0.93864E+00
0.13520E+04	0.72408E+00	0.31558E+00	0.22850E+00	0.93640E+00
0.13521E+04	0.72275E+00	0.31535E+00	0.22792E+00	0.93401E+00
0.13522E+04	0.72143E+00	0.31513E+00	0.22734E+00	0.93163E+00
0.13523E+04	0.72012E+00	0.31489E+00	0.22676E+00	0.92923E+00
0.13524E+04	0.71881E+00	0.31465E+00	0.22617E+00	0.92684E+00
0.13525E+04	0.71747E+00	0.31441E+00	0.22558E+00	0.92440E+00
0.13526E+04	0.71608E+00	0.31417E+00	0.22497E+00	0.92190E+00
0.13527E+04	0.71466E+00	0.31393E+00	0.22435E+00	0.91938E+00
0.13528E+04	0.71324E+00	0.31369E+00	0.22373E+00	0.91685E+00
0.13529E+04	0.71183E+00	0.31345E+00	0.22312E+00	0.91434E+00
0.13530E+04	0.71046E+00	0.31321E+00	0.22252E+00	0.91188E+00
0.13531E+04	0.70909E+00	0.31296E+00	0.22192E+00	0.90942E+00

0.13532E+04	0.70766E+00	0.31272E+00	0.22130E+00	0.90688E+00
0.13533E+04	0.70617E+00	0.31248E+00	0.22066E+00	0.90426E+00
0.13534E+04	0.70467E+00	0.31223E+00	0.22002E+00	0.90163E+00
0.13535E+04	0.70317E+00	0.31199E+00	0.21938E+00	0.89902E+00
0.13536E+04	0.70175E+00	0.31175E+00	0.21877E+00	0.89650E+00
0.13537E+04	0.70039E+00	0.31150E+00	0.21817E+00	0.89406E+00
0.13538E+04	0.69905E+00	0.31126E+00	0.21759E+00	0.89165E+00
0.13539E+04	0.69774E+00	0.31101E+00	0.21701E+00	0.88928E+00
0.13540E+04	0.69645E+00	0.31077E+00	0.21644E+00	0.88694E+00
0.13541E+04	0.69517E+00	0.31050E+00	0.21585E+00	0.88454E+00
0.13542E+04	0.69387E+00	0.31021E+00	0.21525E+00	0.88208E+00
0.13543E+04	0.69255E+00	0.30993E+00	0.21464E+00	0.87958E+00
0.13544E+04	0.69121E+00	0.30964E+00	0.21403E+00	0.87707E+00
0.13545E+04	0.68989E+00	0.30935E+00	0.21342E+00	0.87459E+00
0.13546E+04	0.68858E+00	0.30907E+00	0.21282E+00	0.87212E+00
0.13547E+04	0.68729E+00	0.30878E+00	0.21222E+00	0.86967E+00
0.13548E+04	0.68601E+00	0.30849E+00	0.21163E+00	0.86725E+00
0.13549E+04	0.68475E+00	0.30821E+00	0.21104E+00	0.86485E+00
0.13550E+04	0.68348E+00	0.30792E+00	0.21046E+00	0.86245E+00
0.13551E+04	0.68226E+00	0.30763E+00	0.20989E+00	0.86010E+00
0.13552E+04	0.68110E+00	0.30735E+00	0.20933E+00	0.85784E+00
0.13553E+04	0.67999E+00	0.30706E+00	0.20880E+00	0.85564E+00
0.13554E+04	0.67893E+00	0.30677E+00	0.20828E+00	0.85351E+00
0.13555E+04	0.67791E+00	0.30648E+00	0.20777E+00	0.85143E+00
0.13556E+04	0.67695E+00	0.30620E+00	0.20728E+00	0.84942E+00
0.13557E+04	0.67602E+00	0.30591E+00	0.20680E+00	0.84746E+00
0.13558E+04	0.67511E+00	0.30562E+00	0.20633E+00	0.84553E+00
0.13559E+04	0.67424E+00	0.30534E+00	0.20587E+00	0.84364E+00
0.13560E+04	0.67341E+00	0.30505E+00	0.20542E+00	0.84181E+00
0.13561E+04	0.67259E+00	0.30474E+00	0.20497E+00	0.83995E+00
0.13562E+04	0.67176E+00	0.30444E+00	0.20451E+00	0.83807E+00
0.13563E+04	0.67093E+00	0.30413E+00	0.20405E+00	0.83620E+00
0.13564E+04	0.67011E+00	0.30383E+00	0.20360E+00	0.83434E+00
0.13565E+04	0.66932E+00	0.30352E+00	0.20316E+00	0.83252E+00
0.13566E+04	0.66856E+00	0.30322E+00	0.20272E+00	0.83075E+00
0.13567E+04	0.66784E+00	0.30292E+00	0.20230E+00	0.82901E+00
0.13568E+04	0.66714E+00	0.30261E+00	0.20188E+00	0.82731E+00
0.13569E+04	0.66648E+00	0.30231E+00	0.20148E+00	0.82566E+00
0.13570E+04	0.66585E+00	0.30200E+00	0.20109E+00	0.82406E+00
0.13571E+04	0.66527E+00	0.30170E+00	0.20071E+00	0.82251E+00
0.13572E+04	0.66472E+00	0.30140E+00	0.20034E+00	0.82100E+00
0.13573E+04	0.66419E+00	0.30109E+00	0.19998E+00	0.81951E+00
0.13574E+04	0.66366E+00	0.30079E+00	0.19962E+00	0.81803E+00

0.13575E+04	0.66311E+00	0.30049E+00	0.19925E+00	0.81653E+00
0.13576E+04	0.66253E+00	0.30018E+00	0.19888E+00	0.81500E+00
0.13577E+04	0.66194E+00	0.29988E+00	0.19850E+00	0.81346E+00
0.13578E+04	0.66138E+00	0.29958E+00	0.19813E+00	0.81194E+00
0.13579E+04	0.66083E+00	0.29928E+00	0.19777E+00	0.81045E+00
0.13580E+04	0.66028E+00	0.29898E+00	0.19741E+00	0.80897E+00
0.13581E+04	0.65975E+00	0.29868E+00	0.19705E+00	0.80752E+00
0.13582E+04	0.65921E+00	0.29839E+00	0.19670E+00	0.80607E+00
0.13583E+04	0.65869E+00	0.29810E+00	0.19635E+00	0.80465E+00
0.13584E+04	0.65822E+00	0.29780E+00	0.19602E+00	0.80327E+00
0.13585E+04	0.65776E+00	0.29749E+00	0.19567E+00	0.80186E+00
0.13586E+04	0.65732E+00	0.29717E+00	0.19534E+00	0.80047E+00
0.13587E+04	0.65689E+00	0.29686E+00	0.19500E+00	0.79911E+00
0.13588E+04	0.65648E+00	0.29654E+00	0.19467E+00	0.79776E+00
0.13589E+04	0.65610E+00	0.29623E+00	0.19436E+00	0.79646E+00
0.13590E+04	0.65575E+00	0.29591E+00	0.19405E+00	0.79519E+00
0.13591E+04	0.65545E+00	0.29560E+00	0.19375E+00	0.79398E+00
0.13592E+04	0.65519E+00	0.29529E+00	0.19347E+00	0.79283E+00
0.13593E+04	0.65496E+00	0.29498E+00	0.19320E+00	0.79173E+00
0.13594E+04	0.65477E+00	0.29467E+00	0.19294E+00	0.79066E+00
0.13595E+04	0.65458E+00	0.29436E+00	0.19268E+00	0.78960E+00
0.13596E+04	0.65438E+00	0.29405E+00	0.19242E+00	0.78853E+00
0.13597E+04	0.65417E+00	0.29374E+00	0.19216E+00	0.78745E+00
0.13598E+04	0.65395E+00	0.29343E+00	0.19189E+00	0.78635E+00
0.13599E+04	0.65372E+00	0.29312E+00	0.19162E+00	0.78525E+00
0.13600E+04	0.65348E+00	0.29283E+00	0.19136E+00	0.78418E+00
0.13601E+04	0.65324E+00	0.29255E+00	0.19110E+00	0.78314E+00
0.13602E+04	0.65302E+00	0.29227E+00	0.19086E+00	0.78213E+00
0.13603E+04	0.65281E+00	0.29199E+00	0.19062E+00	0.78113E+00
0.13604E+04	0.65261E+00	0.29171E+00	0.19037E+00	0.78014E+00
0.13605E+04	0.65241E+00	0.29143E+00	0.19013E+00	0.77915E+00
0.13606E+04	0.65218E+00	0.29115E+00	0.18989E+00	0.77814E+00
0.13607E+04	0.65194E+00	0.29088E+00	0.18963E+00	0.77711E+00
0.13608E+04	0.65169E+00	0.29060E+00	0.18938E+00	0.77607E+00
0.13609E+04	0.65145E+00	0.29032E+00	0.18913E+00	0.77504E+00
0.13610E+04	0.65121E+00	0.29004E+00	0.18888E+00	0.77402E+00
0.13611E+04	0.65096E+00	0.28977E+00	0.18863E+00	0.77299E+00
0.13612E+04	0.65068E+00	0.28950E+00	0.18837E+00	0.77193E+00
0.13613E+04	0.65040E+00	0.28923E+00	0.18811E+00	0.77088E+00
0.13614E+04	0.65015E+00	0.28896E+00	0.18787E+00	0.76986E+00
0.13615E+04	0.64991E+00	0.28869E+00	0.18762E+00	0.76886E+00
0.13616E+04	0.64969E+00	0.28841E+00	0.18738E+00	0.76788E+00
0.13617E+04	0.64947E+00	0.28814E+00	0.18714E+00	0.76690E+00

0.13618E+04	0.64923E+00	0.28787E+00	0.18690E+00	0.76589E+00
0.13619E+04	0.64898E+00	0.28762E+00	0.18666E+00	0.76491E+00
0.13620E+04	0.64874E+00	0.28737E+00	0.18643E+00	0.76396E+00
0.13621E+04	0.64852E+00	0.28714E+00	0.18622E+00	0.76311E+00
0.13622E+04	0.64830E+00	0.28692E+00	0.18601E+00	0.76226E+00
0.13623E+04	0.64810E+00	0.28670E+00	0.18581E+00	0.76143E+00
0.13624E+04	0.64787E+00	0.28647E+00	0.18560E+00	0.76056E+00
0.13625E+04	0.64758E+00	0.28625E+00	0.18537E+00	0.75963E+00
0.13626E+04	0.64724E+00	0.28603E+00	0.18513E+00	0.75865E+00
0.13627E+04	0.64689E+00	0.28580E+00	0.18488E+00	0.75765E+00
0.13628E+04	0.64656E+00	0.28558E+00	0.18464E+00	0.75667E+00
0.13629E+04	0.64624E+00	0.28536E+00	0.18441E+00	0.75571E+00
0.13630E+04	0.64595E+00	0.28514E+00	0.18418E+00	0.75477E+00
0.13631E+04	0.64566E+00	0.28492E+00	0.18396E+00	0.75386E+00
0.13632E+04	0.64539E+00	0.28470E+00	0.18374E+00	0.75297E+00
0.13633E+04	0.64512E+00	0.28448E+00	0.18353E+00	0.75208E+00
0.13634E+04	0.64486E+00	0.28427E+00	0.18331E+00	0.75121E+00
0.13635E+04	0.64464E+00	0.28405E+00	0.18311E+00	0.75037E+00
0.13636E+04	0.64443E+00	0.28383E+00	0.18291E+00	0.74956E+00
0.13637E+04	0.64422E+00	0.28361E+00	0.18271E+00	0.74873E+00
0.13638E+04	0.64398E+00	0.28340E+00	0.18251E+00	0.74790E+00
0.13639E+04	0.64374E+00	0.28320E+00	0.18231E+00	0.74708E+00
0.13640E+04	0.64347E+00	0.28300E+00	0.18210E+00	0.74624E+00
0.13641E+04	0.64319E+00	0.28283E+00	0.18192E+00	0.74548E+00
0.13642E+04	0.64289E+00	0.28267E+00	0.18173E+00	0.74470E+00
0.13643E+04	0.64259E+00	0.28250E+00	0.18154E+00	0.74392E+00
0.13644E+04	0.64226E+00	0.28234E+00	0.18134E+00	0.74310E+00
0.13645E+04	0.64189E+00	0.28218E+00	0.18113E+00	0.74225E+00
0.13646E+04	0.64154E+00	0.28201E+00	0.18092E+00	0.74141E+00
0.13647E+04	0.64120E+00	0.28185E+00	0.18072E+00	0.74060E+00
0.13648E+04	0.64086E+00	0.28169E+00	0.18052E+00	0.73976E+00
0.13649E+04	0.64049E+00	0.28152E+00	0.18031E+00	0.73891E+00
0.13650E+04	0.64012E+00	0.28136E+00	0.18010E+00	0.73806E+00
0.13651E+04	0.63976E+00	0.28120E+00	0.17990E+00	0.73722E+00
0.13652E+04	0.63939E+00	0.28104E+00	0.17969E+00	0.73638E+00
0.13653E+04	0.63901E+00	0.28088E+00	0.17949E+00	0.73552E+00
0.13654E+04	0.63859E+00	0.28072E+00	0.17927E+00	0.73462E+00
0.13655E+04	0.63811E+00	0.28056E+00	0.17903E+00	0.73366E+00
0.13656E+04	0.63760E+00	0.28040E+00	0.17878E+00	0.73265E+00
0.13657E+04	0.63704E+00	0.28024E+00	0.17853E+00	0.73159E+00
0.13658E+04	0.63645E+00	0.28008E+00	0.17826E+00	0.73049E+00
0.13659E+04	0.63585E+00	0.27992E+00	0.17799E+00	0.72937E+00
0.13660E+04	0.63522E+00	0.27976E+00	0.17771E+00	0.72823E+00

0.13661E+04	0.63455E+00	0.27964E+00	0.17744E+00	0.72715E+00
0.13662E+04	0.63384E+00	0.27952E+00	0.17717E+00	0.72604E+00
0.13663E+04	0.63307E+00	0.27941E+00	0.17689E+00	0.72487E+00
0.13664E+04	0.63227E+00	0.27929E+00	0.17659E+00	0.72366E+00
0.13665E+04	0.63145E+00	0.27918E+00	0.17629E+00	0.72241E+00
0.13666E+04	0.63061E+00	0.27906E+00	0.17598E+00	0.72116E+00
0.13667E+04	0.62976E+00	0.27895E+00	0.17567E+00	0.71989E+00
0.13668E+04	0.62890E+00	0.27884E+00	0.17536E+00	0.71862E+00
0.13669E+04	0.62805E+00	0.27872E+00	0.17505E+00	0.71735E+00
0.13670E+04	0.62724E+00	0.27861E+00	0.17475E+00	0.71612E+00
0.13671E+04	0.62648E+00	0.27850E+00	0.17447E+00	0.71498E+00
0.13672E+04	0.62578E+00	0.27839E+00	0.17421E+00	0.71389E+00
0.13673E+04	0.62512E+00	0.27827E+00	0.17396E+00	0.71286E+00
0.13674E+04	0.62449E+00	0.27816E+00	0.17371E+00	0.71186E+00
0.13675E+04	0.62388E+00	0.27805E+00	0.17347E+00	0.71088E+00
0.13676E+04	0.62330E+00	0.27794E+00	0.17324E+00	0.70994E+00
0.13677E+04	0.62274E+00	0.27783E+00	0.17302E+00	0.70901E+00
0.13678E+04	0.62221E+00	0.27771E+00	0.17280E+00	0.70811E+00
0.13679E+04	0.62172E+00	0.27760E+00	0.17259E+00	0.70726E+00
0.13680E+04	0.62128E+00	0.27748E+00	0.17239E+00	0.70646E+00
0.13681E+04	0.62089E+00	0.27742E+00	0.17225E+00	0.70585E+00
0.13682E+04	0.62057E+00	0.27735E+00	0.17212E+00	0.70533E+00
0.13683E+04	0.62030E+00	0.27729E+00	0.17200E+00	0.70486E+00
0.13684E+04	0.62011E+00	0.27723E+00	0.17191E+00	0.70448E+00
0.13685E+04	0.61998E+00	0.27716E+00	0.17184E+00	0.70418E+00
0.13686E+04	0.61991E+00	0.27710E+00	0.17178E+00	0.70394E+00
0.13687E+04	0.61992E+00	0.27704E+00	0.17174E+00	0.70379E+00
0.13688E+04	0.62002E+00	0.27698E+00	0.17173E+00	0.70375E+00
0.13689E+04	0.62019E+00	0.27692E+00	0.17174E+00	0.70378E+00
0.13690E+04	0.62043E+00	0.27685E+00	0.17177E+00	0.70390E+00
0.13691E+04	0.62076E+00	0.27679E+00	0.17182E+00	0.70411E+00
0.13692E+04	0.62117E+00	0.27673E+00	0.17190E+00	0.70442E+00
0.13693E+04	0.62167E+00	0.27667E+00	0.17199E+00	0.70482E+00
0.13694E+04	0.62224E+00	0.27660E+00	0.17212E+00	0.70532E+00
0.13695E+04	0.62291E+00	0.27654E+00	0.17226E+00	0.70592E+00
0.13696E+04	0.62367E+00	0.27648E+00	0.17243E+00	0.70661E+00
0.13697E+04	0.62451E+00	0.27641E+00	0.17262E+00	0.70740E+00
0.13698E+04	0.62543E+00	0.27635E+00	0.17284E+00	0.70828E+00
0.13699E+04	0.62644E+00	0.27628E+00	0.17307E+00	0.70925E+00
0.13700E+04	0.62753E+00	0.27622E+00	0.17334E+00	0.71034E+00
0.13701E+04	0.62869E+00	0.27621E+00	0.17365E+00	0.71162E+00
0.13702E+04	0.62989E+00	0.27620E+00	0.17398E+00	0.71295E+00
0.13703E+04	0.63113E+00	0.27619E+00	0.17431E+00	0.71432E+00

0.13704E+04	0.63241E+00	0.27618E+00	0.17466E+00	0.71573E+00
0.13705E+04	0.63376E+00	0.27617E+00	0.17502E+00	0.71723E+00
0.13706E+04	0.63521E+00	0.27615E+00	0.17542E+00	0.71885E+00
0.13707E+04	0.63674E+00	0.27614E+00	0.17583E+00	0.72055E+00
0.13708E+04	0.63835E+00	0.27613E+00	0.17627E+00	0.72233E+00
0.13709E+04	0.64002E+00	0.27612E+00	0.17672E+00	0.72420E+00
0.13710E+04	0.64175E+00	0.27611E+00	0.17719E+00	0.72612E+00
0.13711E+04	0.64356E+00	0.27609E+00	0.17768E+00	0.72813E+00
0.13712E+04	0.64538E+00	0.27608E+00	0.17818E+00	0.73015E+00
0.13713E+04	0.64721E+00	0.27606E+00	0.17867E+00	0.73219E+00
0.13714E+04	0.64908E+00	0.27605E+00	0.17918E+00	0.73427E+00
0.13715E+04	0.65097E+00	0.27604E+00	0.17969E+00	0.73636E+00
0.13716E+04	0.65290E+00	0.27602E+00	0.18021E+00	0.73850E+00
0.13717E+04	0.65488E+00	0.27600E+00	0.18075E+00	0.74070E+00
0.13718E+04	0.65694E+00	0.27599E+00	0.18131E+00	0.74298E+00
0.13719E+04	0.65905E+00	0.27597E+00	0.18188E+00	0.74533E+00
0.13720E+04	0.66117E+00	0.27595E+00	0.18245E+00	0.74768E+00
0.13721E+04	0.66332E+00	0.27598E+00	0.18306E+00	0.75019E+00
0.13722E+04	0.66545E+00	0.27602E+00	0.18368E+00	0.75270E+00
0.13723E+04	0.66758E+00	0.27606E+00	0.18429E+00	0.75521E+00
0.13724E+04	0.66971E+00	0.27609E+00	0.18490E+00	0.75772E+00
0.13725E+04	0.67190E+00	0.27613E+00	0.18553E+00	0.76030E+00
0.13726E+04	0.67419E+00	0.27617E+00	0.18619E+00	0.76299E+00
0.13727E+04	0.67655E+00	0.27620E+00	0.18687E+00	0.76576E+00
0.13728E+04	0.67896E+00	0.27624E+00	0.18755E+00	0.76859E+00
0.13729E+04	0.68142E+00	0.27628E+00	0.18826E+00	0.77148E+00
0.13730E+04	0.68389E+00	0.27631E+00	0.18897E+00	0.77438E+00
0.13731E+04	0.68638E+00	0.27635E+00	0.18968E+00	0.77730E+00
0.13732E+04	0.68890E+00	0.27638E+00	0.19040E+00	0.78024E+00
0.13733E+04	0.69145E+00	0.27641E+00	0.19113E+00	0.78322E+00
0.13734E+04	0.69401E+00	0.27645E+00	0.19186E+00	0.78622E+00
0.13735E+04	0.69662E+00	0.27649E+00	0.19261E+00	0.78929E+00
0.13736E+04	0.69930E+00	0.27653E+00	0.19338E+00	0.79244E+00
0.13737E+04	0.70204E+00	0.27657E+00	0.19416E+00	0.79567E+00
0.13738E+04	0.70485E+00	0.27661E+00	0.19497E+00	0.79898E+00
0.13739E+04	0.70773E+00	0.27665E+00	0.19580E+00	0.80236E+00
0.13740E+04	0.71061E+00	0.27669E+00	0.19662E+00	0.80574E+00
0.13741E+04	0.71348E+00	0.27679E+00	0.19748E+00	0.80927E+00
0.13742E+04	0.71637E+00	0.27688E+00	0.19835E+00	0.81281E+00
0.13743E+04	0.71926E+00	0.27697E+00	0.19921E+00	0.81637E+00
0.13744E+04	0.72216E+00	0.27706E+00	0.20008E+00	0.81993E+00
0.13745E+04	0.72508E+00	0.27715E+00	0.20096E+00	0.82352E+00
0.13746E+04	0.72801E+00	0.27725E+00	0.20184E+00	0.82712E+00

0.13747E+04	0.73093E+00	0.27734E+00	0.20271E+00	0.83071E+00
0.13748E+04	0.73381E+00	0.27743E+00	0.20358E+00	0.83427E+00
0.13749E+04	0.73668E+00	0.27752E+00	0.20445E+00	0.83781E+00
0.13750E+04	0.73958E+00	0.27761E+00	0.20532E+00	0.84138E+00
0.13751E+04	0.74242E+00	0.27770E+00	0.20617E+00	0.84489E+00
0.13752E+04	0.74518E+00	0.27779E+00	0.20701E+00	0.84830E+00
0.13753E+04	0.74785E+00	0.27788E+00	0.20781E+00	0.85161E+00
0.13754E+04	0.75043E+00	0.27798E+00	0.20861E+00	0.85485E+00
0.13755E+04	0.75292E+00	0.27808E+00	0.20937E+00	0.85799E+00
0.13756E+04	0.75531E+00	0.27818E+00	0.21011E+00	0.86104E+00
0.13757E+04	0.75763E+00	0.27828E+00	0.21083E+00	0.86399E+00
0.13758E+04	0.75986E+00	0.27838E+00	0.21153E+00	0.86685E+00
0.13759E+04	0.76196E+00	0.27848E+00	0.21219E+00	0.86956E+00
0.13760E+04	0.76392E+00	0.27859E+00	0.21282E+00	0.87212E+00
0.13761E+04	0.76575E+00	0.27873E+00	0.21344E+00	0.87466E+00
0.13762E+04	0.76745E+00	0.27888E+00	0.21403E+00	0.87708E+00
0.13763E+04	0.76899E+00	0.27903E+00	0.21457E+00	0.87930E+00
0.13764E+04	0.77033E+00	0.27918E+00	0.21506E+00	0.88131E+00
0.13765E+04	0.77146E+00	0.27933E+00	0.21549E+00	0.88308E+00
0.13766E+04	0.77239E+00	0.27948E+00	0.21587E+00	0.88463E+00
0.13767E+04	0.77310E+00	0.27963E+00	0.21618E+00	0.88590E+00
0.13768E+04	0.77354E+00	0.27978E+00	0.21642E+00	0.88689E+00
0.13769E+04	0.77374E+00	0.27993E+00	0.21660E+00	0.88760E+00
0.13770E+04	0.77375E+00	0.28008E+00	0.21671E+00	0.88809E+00
0.13771E+04	0.77352E+00	0.28023E+00	0.21677E+00	0.88830E+00
0.13772E+04	0.77303E+00	0.28039E+00	0.21675E+00	0.88822E+00
0.13773E+04	0.77229E+00	0.28054E+00	0.21666E+00	0.88785E+00
0.13774E+04	0.77132E+00	0.28069E+00	0.21650E+00	0.88721E+00
0.13775E+04	0.77004E+00	0.28084E+00	0.21626E+00	0.88622E+00
0.13776E+04	0.76847E+00	0.28099E+00	0.21593E+00	0.88488E+00
0.13777E+04	0.76662E+00	0.28114E+00	0.21553E+00	0.88322E+00
0.13778E+04	0.76453E+00	0.28129E+00	0.21506E+00	0.88129E+00
0.13779E+04	0.76215E+00	0.28144E+00	0.21450E+00	0.87902E+00
0.13780E+04	0.75949E+00	0.28160E+00	0.21387E+00	0.87642E+00
0.13781E+04	0.75652E+00	0.28179E+00	0.21318E+00	0.87359E+00
0.13782E+04	0.75330E+00	0.28198E+00	0.21242E+00	0.87048E+00
0.13783E+04	0.74976E+00	0.28216E+00	0.21155E+00	0.86692E+00
0.13784E+04	0.74598E+00	0.28233E+00	0.21061E+00	0.86307E+00
0.13785E+04	0.74192E+00	0.28250E+00	0.20959E+00	0.85890E+00
0.13786E+04	0.73759E+00	0.28267E+00	0.20850E+00	0.85441E+00
0.13787E+04	0.73296E+00	0.28285E+00	0.20731E+00	0.84956E+00
0.13788E+04	0.72802E+00	0.28302E+00	0.20604E+00	0.84435E+00
0.13789E+04	0.72280E+00	0.28319E+00	0.20469E+00	0.83880E+00

0.13790E+04	0.71732E+00	0.28336E+00	0.20326E+00	0.83296E+00
0.13791E+04	0.71162E+00	0.28354E+00	0.20177E+00	0.82686E+00
0.13792E+04	0.70560E+00	0.28372E+00	0.20019E+00	0.82038E+00
0.13793E+04	0.69933E+00	0.28388E+00	0.19852E+00	0.81354E+00
0.13794E+04	0.69280E+00	0.28403E+00	0.19678E+00	0.80638E+00
0.13795E+04	0.68603E+00	0.28419E+00	0.19496E+00	0.79895E+00
0.13796E+04	0.67904E+00	0.28434E+00	0.19308E+00	0.79124E+00
0.13797E+04	0.67179E+00	0.28450E+00	0.19113E+00	0.78322E+00
0.13798E+04	0.66430E+00	0.28466E+00	0.18910E+00	0.77491E+00
0.13799E+04	0.65652E+00	0.28481E+00	0.18698E+00	0.76625E+00
0.13800E+04	0.64847E+00	0.28497E+00	0.18479E+00	0.75727E+00
0.13801E+04	0.64013E+00	0.28516E+00	0.18254E+00	0.74803E+00
0.13802E+04	0.63153E+00	0.28534E+00	0.18020E+00	0.73847E+00
0.13803E+04	0.62271E+00	0.28553E+00	0.17780E+00	0.72863E+00
0.13804E+04	0.61371E+00	0.28572E+00	0.17535E+00	0.71858E+00
0.13805E+04	0.60452E+00	0.28591E+00	0.17284E+00	0.70828E+00
0.13806E+04	0.59514E+00	0.28610E+00	0.17027E+00	0.69775E+00
0.13807E+04	0.58554E+00	0.28629E+00	0.16763E+00	0.68695E+00
0.13808E+04	0.57572E+00	0.28647E+00	0.16493E+00	0.67587E+00
0.13809E+04	0.56572E+00	0.28666E+00	0.16217E+00	0.66456E+00
0.13810E+04	0.55552E+00	0.28685E+00	0.15935E+00	0.65301E+00
0.13811E+04	0.54521E+00	0.28704E+00	0.15650E+00	0.64131E+00
0.13812E+04	0.53481E+00	0.28721E+00	0.15360E+00	0.62945E+00
0.13813E+04	0.52433E+00	0.28737E+00	0.15068E+00	0.61747E+00
0.13814E+04	0.51383E+00	0.28753E+00	0.14774E+00	0.60544E+00
0.13815E+04	0.50329E+00	0.28770E+00	0.14479E+00	0.59336E+00
0.13816E+04	0.49273E+00	0.28786E+00	0.14184E+00	0.58124E+00
0.13817E+04	0.48216E+00	0.28803E+00	0.13887E+00	0.56910E+00
0.13818E+04	0.47157E+00	0.28819E+00	0.13590E+00	0.55691E+00
0.13819E+04	0.46093E+00	0.28835E+00	0.13291E+00	0.54466E+00
0.13820E+04	0.45028E+00	0.28851E+00	0.12991E+00	0.53237E+00
0.13821E+04	0.43965E+00	0.28869E+00	0.12692E+00	0.52011E+00
0.13822E+04	0.42906E+00	0.28886E+00	0.12394E+00	0.50789E+00
0.13823E+04	0.41851E+00	0.28903E+00	0.12096E+00	0.49570E+00
0.13824E+04	0.40800E+00	0.28920E+00	0.11799E+00	0.48353E+00
0.13825E+04	0.39754E+00	0.28937E+00	0.11504E+00	0.47141E+00
0.13826E+04	0.38714E+00	0.28954E+00	0.11209E+00	0.45935E+00
0.13827E+04	0.37680E+00	0.28971E+00	0.10916E+00	0.44734E+00
0.13828E+04	0.36656E+00	0.28988E+00	0.10626E+00	0.43545E+00
0.13829E+04	0.35644E+00	0.29005E+00	0.10339E+00	0.42367E+00
0.13830E+04	0.34643E+00	0.29022E+00	0.10054E+00	0.41201E+00
0.13831E+04	0.33650E+00	0.29039E+00	0.97717E-01	0.40044E+00
0.13832E+04	0.32668E+00	0.29056E+00	0.94920E-01	0.38898E+00

0.13833E+04	0.31701E+00	0.29073E+00	0.92164E-01	0.37768E+00
0.13834E+04	0.30751E+00	0.29091E+00	0.89456E-01	0.36659E+00
0.13835E+04	0.29816E+00	0.29108E+00	0.86789E-01	0.35566E+00
0.13836E+04	0.28901E+00	0.29125E+00	0.84175E-01	0.34494E+00
0.13837E+04	0.28004E+00	0.29142E+00	0.81610E-01	0.33443E+00
0.13838E+04	0.27125E+00	0.29159E+00	0.79095E-01	0.32413E+00
0.13839E+04	0.26263E+00	0.29176E+00	0.76625E-01	0.31401E+00
0.13840E+04	0.25420E+00	0.29193E+00	0.74210E-01	0.30411E+00
0.13841E+04	0.24599E+00	0.29210E+00	0.71853E-01	0.29445E+00
0.13842E+04	0.23796E+00	0.29226E+00	0.69546E-01	0.28500E+00
0.13843E+04	0.23006E+00	0.29243E+00	0.67277E-01	0.27570E+00
0.13844E+04	0.22235E+00	0.29259E+00	0.65058E-01	0.26660E+00
0.13845E+04	0.21482E+00	0.29276E+00	0.62889E-01	0.25772E+00
0.13846E+04	0.20750E+00	0.29293E+00	0.60783E-01	0.24908E+00
0.13847E+04	0.20037E+00	0.29309E+00	0.58725E-01	0.24065E+00
0.13848E+04	0.19342E+00	0.29326E+00	0.56723E-01	0.23245E+00
0.13849E+04	0.18670E+00	0.29342E+00	0.54782E-01	0.22449E+00
0.13850E+04	0.18016E+00	0.29359E+00	0.52892E-01	0.21675E+00
0.13851E+04	0.17375E+00	0.29374E+00	0.51037E-01	0.20915E+00
0.13852E+04	0.16749E+00	0.29390E+00	0.49227E-01	0.20173E+00
0.13853E+04	0.16140E+00	0.29406E+00	0.47462E-01	0.19450E+00
0.13854E+04	0.15549E+00	0.29422E+00	0.45747E-01	0.18747E+00
0.13855E+04	0.14972E+00	0.29438E+00	0.44074E-01	0.18061E+00
0.13856E+04	0.14413E+00	0.29454E+00	0.42452E-01	0.17397E+00
0.13857E+04	0.13873E+00	0.29470E+00	0.40883E-01	0.16754E+00
0.13858E+04	0.13351E+00	0.29486E+00	0.39366E-01	0.16132E+00
0.13859E+04	0.12842E+00	0.29501E+00	0.37885E-01	0.15525E+00
0.13860E+04	0.12349E+00	0.29517E+00	0.36450E-01	0.14937E+00
0.13861E+04	0.11871E+00	0.29530E+00	0.35055E-01	0.14365E+00
0.13862E+04	0.11411E+00	0.29544E+00	0.33712E-01	0.13815E+00
0.13863E+04	0.10964E+00	0.29557E+00	0.32405E-01	0.13279E+00
0.13864E+04	0.10537E+00	0.29570E+00	0.31157E-01	0.12768E+00
0.13865E+04	0.10124E+00	0.29583E+00	0.29950E-01	0.12273E+00
0.13866E+04	0.97285E-01	0.29596E+00	0.28793E-01	0.11799E+00
0.13867E+04	0.93481E-01	0.29609E+00	0.27679E-01	0.11343E+00
0.13868E+04	0.89823E-01	0.29622E+00	0.26608E-01	0.10904E+00
0.13869E+04	0.86333E-01	0.29636E+00	0.25585E-01	0.10485E+00
0.13870E+04	0.83049E-01	0.29648E+00	0.24623E-01	0.10090E+00
0.13871E+04	0.79915E-01	0.29661E+00	0.23703E-01	0.97134E-01
0.13872E+04	0.76860E-01	0.29673E+00	0.22807E-01	0.93460E-01
0.13873E+04	0.73892E-01	0.29685E+00	0.21935E-01	0.89888E-01
0.13874E+04	0.71021E-01	0.29697E+00	0.21091E-01	0.86432E-01
0.13875E+04	0.68275E-01	0.29710E+00	0.20284E-01	0.83124E-01

0.13876E+04	0.65631E-01	0.29722E+00	0.19507E-01	0.79938E-01
0.13877E+04	0.63101E-01	0.29734E+00	0.18763E-01	0.76888E-01
0.13878E+04	0.60685E-01	0.29747E+00	0.18052E-01	0.73975E-01
0.13879E+04	0.58381E-01	0.29759E+00	0.17373E-01	0.71195E-01
0.13880E+04	0.56136E-01	0.29771E+00	0.16712E-01	0.68486E-01
0.13881E+04	0.53914E-01	0.29779E+00	0.16055E-01	0.65793E-01
0.13882E+04	0.51801E-01	0.29787E+00	0.15430E-01	0.63230E-01
0.13883E+04	0.49760E-01	0.29795E+00	0.14826E-01	0.60756E-01
0.13884E+04	0.47825E-01	0.29802E+00	0.14253E-01	0.58408E-01
0.13885E+04	0.45942E-01	0.29810E+00	0.13696E-01	0.56124E-01
0.13886E+04	0.44124E-01	0.29818E+00	0.13157E-01	0.53916E-01
0.13887E+04	0.42353E-01	0.29826E+00	0.12632E-01	0.51766E-01
0.13888E+04	0.40646E-01	0.29834E+00	0.12126E-01	0.49692E-01
0.13889E+04	0.39008E-01	0.29841E+00	0.11640E-01	0.47702E-01
0.13890E+04	0.37438E-01	0.29848E+00	0.11175E-01	0.45793E-01
0.13891E+04	0.35953E-01	0.29856E+00	0.10734E-01	0.43988E-01
0.13892E+04	0.34544E-01	0.29863E+00	0.10316E-01	0.42273E-01
0.13893E+04	0.33215E-01	0.29870E+00	0.99213E-02	0.40657E-01
0.13894E+04	0.31971E-01	0.29877E+00	0.95518E-02	0.39143E-01
0.13895E+04	0.30752E-01	0.29884E+00	0.91899E-02	0.37660E-01
0.13896E+04	0.29594E-01	0.29891E+00	0.88459E-02	0.36250E-01
0.13897E+04	0.28473E-01	0.29898E+00	0.85129E-02	0.34886E-01
0.13898E+04	0.27377E-01	0.29905E+00	0.81871E-02	0.33550E-01
0.13899E+04	0.26307E-01	0.29912E+00	0.78690E-02	0.32247E-01
0.13900E+04	0.25288E-01	0.29919E+00	0.75660E-02	0.31005E-01
0.13901E+04	0.24311E-01	0.29921E+00	0.72740E-02	0.29809E-01
0.13902E+04	0.23398E-01	0.29922E+00	0.70011E-02	0.28690E-01
0.13903E+04	0.22546E-01	0.29923E+00	0.67465E-02	0.27647E-01
0.13904E+04	0.21719E-01	0.29924E+00	0.64992E-02	0.26633E-01
0.13905E+04	0.20935E-01	0.29925E+00	0.62650E-02	0.25674E-01
0.13906E+04	0.20213E-01	0.29926E+00	0.60489E-02	0.24788E-01
0.13907E+04	0.19540E-01	0.29928E+00	0.58479E-02	0.23964E-01
0.13908E+04	0.18902E-01	0.29929E+00	0.56572E-02	0.23183E-01
0.13909E+04	0.18264E-01	0.29931E+00	0.54667E-02	0.22402E-01
0.13910E+04	0.17629E-01	0.29934E+00	0.52769E-02	0.21624E-01
0.13911E+04	0.16997E-01	0.29936E+00	0.50882E-02	0.20851E-01
0.13912E+04	0.16391E-01	0.29938E+00	0.49071E-02	0.20109E-01
0.13913E+04	0.15828E-01	0.29940E+00	0.47389E-02	0.19420E-01
0.13914E+04	0.15313E-01	0.29942E+00	0.45851E-02	0.18789E-01
0.13915E+04	0.14831E-01	0.29944E+00	0.44410E-02	0.18199E-01
0.13916E+04	0.14364E-01	0.29947E+00	0.43015E-02	0.17627E-01
0.13917E+04	0.13900E-01	0.29949E+00	0.41629E-02	0.17060E-01
0.13918E+04	0.13437E-01	0.29951E+00	0.40246E-02	0.16493E-01

0.13919E+04	0.12980E-01	0.29953E+00	0.38877E-02	0.15932E-01
0.13920E+04	0.12524E-01	0.29955E+00	0.37514E-02	0.15373E-01
0.13921E+04	0.12070E-01	0.29950E+00	0.36149E-02	0.14813E-01
0.13922E+04	0.11640E-01	0.29944E+00	0.34856E-02	0.14284E-01
0.13923E+04	0.11261E-01	0.29939E+00	0.33714E-02	0.13816E-01
0.13924E+04	0.10923E-01	0.29934E+00	0.32696E-02	0.13399E-01
0.13925E+04	0.10619E-01	0.29929E+00	0.31781E-02	0.13024E-01
0.13926E+04	0.10345E-01	0.29924E+00	0.30957E-02	0.12686E-01
0.13927E+04	0.10083E-01	0.29919E+00	0.30166E-02	0.12362E-01
0.13928E+04	0.98251E-02	0.29914E+00	0.29390E-02	0.12044E-01
0.13929E+04	0.95693E-02	0.29909E+00	0.28621E-02	0.11729E-01
0.13930E+04	0.93196E-02	0.29904E+00	0.27869E-02	0.11421E-01
0.13931E+04	0.90773E-02	0.29899E+00	0.27140E-02	0.11122E-01
0.13932E+04	0.88391E-02	0.29894E+00	0.26424E-02	0.10828E-01
0.13933E+04	0.86068E-02	0.29889E+00	0.25725E-02	0.10542E-01
0.13934E+04	0.83776E-02	0.29884E+00	0.25036E-02	0.10260E-01
0.13935E+04	0.81489E-02	0.29879E+00	0.24348E-02	0.99779E-02
0.13936E+04	0.79253E-02	0.29874E+00	0.23676E-02	0.97024E-02
0.13937E+04	0.77159E-02	0.29870E+00	0.23047E-02	0.94445E-02
0.13938E+04	0.75181E-02	0.29865E+00	0.22453E-02	0.92009E-02
0.13939E+04	0.73204E-02	0.29860E+00	0.21858E-02	0.89575E-02
0.13940E+04	0.71248E-02	0.29855E+00	0.21271E-02	0.87167E-02
0.13941E+04	0.69295E-02	0.29842E+00	0.20679E-02	0.84741E-02
0.13942E+04	0.67343E-02	0.29829E+00	0.20087E-02	0.82317E-02
0.13943E+04	0.65414E-02	0.29815E+00	0.19503E-02	0.79924E-02
0.13944E+04	0.63511E-02	0.29802E+00	0.18928E-02	0.77565E-02
0.13945E+04	0.61668E-02	0.29789E+00	0.18370E-02	0.75281E-02
0.13946E+04	0.59865E-02	0.29776E+00	0.17825E-02	0.73048E-02
0.13947E+04	0.58179E-02	0.29765E+00	0.17317E-02	0.70963E-02
0.13948E+04	0.56496E-02	0.29754E+00	0.16810E-02	0.68885E-02
0.13949E+04	0.54867E-02	0.29743E+00	0.16319E-02	0.66874E-02
0.13950E+04	0.53283E-02	0.29732E+00	0.15842E-02	0.64919E-02
0.13951E+04	0.51716E-02	0.29721E+00	0.15370E-02	0.62987E-02
0.13952E+04	0.50151E-02	0.29710E+00	0.14900E-02	0.61059E-02
0.13953E+04	0.48605E-02	0.29699E+00	0.14435E-02	0.59155E-02
0.13954E+04	0.47091E-02	0.29688E+00	0.13980E-02	0.57291E-02
0.13955E+04	0.45602E-02	0.29677E+00	0.13533E-02	0.55460E-02
0.13956E+04	0.44134E-02	0.29666E+00	0.13093E-02	0.53654E-02
0.13957E+04	0.42755E-02	0.29656E+00	0.12679E-02	0.51958E-02
0.13958E+04	0.41397E-02	0.29645E+00	0.12272E-02	0.50290E-02
0.13959E+04	0.40094E-02	0.29634E+00	0.11881E-02	0.48689E-02
0.13960E+04	0.38839E-02	0.29623E+00	0.11505E-02	0.47148E-02
0.13961E+04	0.37618E-02	0.29605E+00	0.11137E-02	0.45638E-02

0.13962E+04	0.36409E-02	0.29585E+00	0.10772E-02	0.44142E-02
0.13963E+04	0.35214E-02	0.29566E+00	0.10411E-02	0.42666E-02
0.13964E+04	0.34119E-02	0.29547E+00	0.10081E-02	0.41312E-02
0.13965E+04	0.33045E-02	0.29528E+00	0.97575E-03	0.39986E-02
0.13966E+04	0.32000E-02	0.29510E+00	0.94430E-03	0.38697E-02
0.13967E+04	0.30964E-02	0.29493E+00	0.91321E-03	0.37423E-02
0.13968E+04	0.29967E-02	0.29476E+00	0.88332E-03	0.36198E-02
0.13969E+04	0.28993E-02	0.29459E+00	0.85413E-03	0.35002E-02
0.13970E+04	0.28025E-02	0.29443E+00	0.82513E-03	0.33813E-02
0.13971E+04	0.27058E-02	0.29426E+00	0.79621E-03	0.32628E-02
0.13972E+04	0.26107E-02	0.29409E+00	0.76780E-03	0.31464E-02
0.13973E+04	0.25167E-02	0.29393E+00	0.73973E-03	0.30314E-02
0.13974E+04	0.24228E-02	0.29376E+00	0.71171E-03	0.29165E-02
0.13975E+04	0.23308E-02	0.29359E+00	0.68430E-03	0.28042E-02
0.13976E+04	0.22389E-02	0.29343E+00	0.65694E-03	0.26921E-02
0.13977E+04	0.21476E-02	0.29326E+00	0.62979E-03	0.25809E-02
0.13978E+04	0.20573E-02	0.29309E+00	0.60297E-03	0.24709E-02
0.13979E+04	0.19672E-02	0.29293E+00	0.57625E-03	0.23615E-02
0.13980E+04	0.18776E-02	0.29275E+00	0.54967E-03	0.22525E-02
0.13981E+04	0.17881E-02	0.29254E+00	0.52310E-03	0.21437E-02
0.13982E+04	0.16999E-02	0.29233E+00	0.49695E-03	0.20365E-02
0.13983E+04	0.16121E-02	0.29212E+00	0.47095E-03	0.19299E-02
0.13984E+04	0.15250E-02	0.29192E+00	0.44517E-03	0.18243E-02
0.13985E+04	0.14450E-02	0.29171E+00	0.42154E-03	0.17274E-02
0.13986E+04	0.13655E-02	0.29153E+00	0.39808E-03	0.16313E-02
0.13987E+04	0.12862E-02	0.29135E+00	0.37473E-03	0.15356E-02
0.13988E+04	0.12077E-02	0.29117E+00	0.35163E-03	0.14410E-02
0.13989E+04	0.11299E-02	0.29099E+00	0.32878E-03	0.13473E-02
0.13990E+04	0.10531E-02	0.29080E+00	0.30623E-03	0.12549E-02
0.13991E+04	0.97752E-03	0.29062E+00	0.28409E-03	0.11642E-02
0.13992E+04	0.90483E-03	0.29044E+00	0.26280E-03	0.10769E-02
0.13993E+04	0.83270E-03	0.29026E+00	0.24170E-03	0.99048E-03
0.13994E+04	0.76406E-03	0.29008E+00	0.22164E-03	0.90827E-03
0.13995E+04	0.69702E-03	0.28990E+00	0.20207E-03	0.82806E-03
0.13996E+04	0.63047E-03	0.28972E+00	0.18266E-03	0.74853E-03
0.13997E+04	0.56717E-03	0.28954E+00	0.16422E-03	0.67295E-03
0.13998E+04	0.50813E-03	0.28936E+00	0.14703E-03	0.60253E-03
0.13999E+04	0.45094E-03	0.28918E+00	0.13040E-03	0.53438E-03
0.14000E+04	0.39728E-03	0.28899E+00	0.11481E-03	0.47049E-03
0.14001E+04	0.34435E-03	0.28874E+00	0.99428E-04	0.40745E-03
0.14002E+04	0.29677E-03	0.28850E+00	0.85615E-04	0.35085E-03
0.14003E+04	0.25051E-03	0.28825E+00	0.72210E-04	0.29591E-03
0.14004E+04	0.20647E-03	0.28800E+00	0.59463E-04	0.24367E-03

0.14005E+04	0.16879E-03	0.28776E+00	0.48571E-04	0.19904E-03
0.14006E+04	0.13209E-03	0.28751E+00	0.37978E-04	0.15563E-03
0.14007E+04	0.96662E-04	0.28727E+00	0.27768E-04	0.11379E-03
0.14008E+04	0.62133E-04	0.28702E+00	0.17834E-04	0.73082E-04
0.14009E+04	0.32459E-04	0.28678E+00	0.93087E-05	0.38146E-04
0.14010E+04	0.37839E-05	0.28654E+00	0.10842E-05	0.44431E-05
0.14011E+04	0.00000E+00	0.28629E+00	0.00000E+00	0.00000E+00
Channel 12				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.14887E+04	0.00000E+00	0.24194E+00	0.00000E+00	0.00000E+00
0.14888E+04	0.20100E-04	0.24195E+00	0.48632E-05	0.30719E-04
0.14889E+04	0.85200E-04	0.24195E+00	0.20615E-04	0.13021E-03
0.14890E+04	0.14057E-03	0.24196E+00	0.34014E-04	0.21485E-03
0.14891E+04	0.18867E-03	0.24197E+00	0.45653E-04	0.28837E-03
0.14892E+04	0.23379E-03	0.24197E+00	0.56571E-04	0.35733E-03
0.14893E+04	0.27758E-03	0.24197E+00	0.67168E-04	0.42427E-03
0.14894E+04	0.33291E-03	0.24198E+00	0.80558E-04	0.50885E-03
0.14895E+04	0.39834E-03	0.24198E+00	0.96389E-04	0.60885E-03
0.14896E+04	0.48217E-03	0.24198E+00	0.11668E-03	0.73699E-03
0.14897E+04	0.58004E-03	0.24198E+00	0.14036E-03	0.88659E-03
0.14898E+04	0.65753E-03	0.24198E+00	0.15911E-03	0.10050E-02
0.14899E+04	0.71909E-03	0.24199E+00	0.17401E-03	0.10991E-02
0.14900E+04	0.77579E-03	0.24199E+00	0.18773E-03	0.11858E-02
0.14901E+04	0.82964E-03	0.24193E+00	0.20072E-03	0.12678E-02
0.14902E+04	0.88506E-03	0.24188E+00	0.21408E-03	0.13522E-02
0.14903E+04	0.94302E-03	0.24182E+00	0.22804E-03	0.14404E-02
0.14904E+04	0.10069E-02	0.24177E+00	0.24344E-03	0.15377E-02
0.14905E+04	0.10771E-02	0.24171E+00	0.26034E-03	0.16445E-02
0.14906E+04	0.11624E-02	0.24165E+00	0.28090E-03	0.17743E-02
0.14907E+04	0.12609E-02	0.24160E+00	0.30464E-03	0.19243E-02
0.14908E+04	0.13792E-02	0.24154E+00	0.33313E-03	0.21042E-02
0.14909E+04	0.15130E-02	0.24149E+00	0.36536E-03	0.23078E-02
0.14910E+04	0.16473E-02	0.24143E+00	0.39771E-03	0.25122E-02
0.14911E+04	0.17816E-02	0.24138E+00	0.43003E-03	0.27163E-02
0.14912E+04	0.19098E-02	0.24133E+00	0.46089E-03	0.29112E-02
0.14913E+04	0.20329E-02	0.24129E+00	0.49051E-03	0.30983E-02
0.14914E+04	0.21578E-02	0.24124E+00	0.52055E-03	0.32881E-02
0.14915E+04	0.22839E-02	0.24120E+00	0.55087E-03	0.34796E-02
0.14916E+04	0.24143E-02	0.24115E+00	0.58223E-03	0.36777E-02
0.14917E+04	0.25477E-02	0.24111E+00	0.61428E-03	0.38801E-02

0.14918E+04	0.26833E-02	0.24106E+00	0.64685E-03	0.40859E-02
0.14919E+04	0.28198E-02	0.24102E+00	0.67962E-03	0.42929E-02
0.14920E+04	0.29570E-02	0.24097E+00	0.71257E-03	0.45010E-02
0.14921E+04	0.30936E-02	0.24087E+00	0.74515E-03	0.47068E-02
0.14922E+04	0.32152E-02	0.24077E+00	0.77412E-03	0.48898E-02
0.14923E+04	0.33244E-02	0.24066E+00	0.80006E-03	0.50537E-02
0.14924E+04	0.34335E-02	0.24056E+00	0.82597E-03	0.52173E-02
0.14925E+04	0.35420E-02	0.24046E+00	0.85170E-03	0.53798E-02
0.14926E+04	0.36487E-02	0.24035E+00	0.87697E-03	0.55395E-02
0.14927E+04	0.37535E-02	0.24025E+00	0.90180E-03	0.56963E-02
0.14928E+04	0.38738E-02	0.24015E+00	0.93030E-03	0.58763E-02
0.14929E+04	0.40049E-02	0.24005E+00	0.96137E-03	0.60725E-02
0.14930E+04	0.41200E-02	0.23994E+00	0.98857E-03	0.62444E-02
0.14931E+04	0.42214E-02	0.23987E+00	0.10126E-02	0.63960E-02
0.14932E+04	0.43129E-02	0.23979E+00	0.10342E-02	0.65326E-02
0.14933E+04	0.43962E-02	0.23972E+00	0.10539E-02	0.66568E-02
0.14934E+04	0.44747E-02	0.23964E+00	0.10723E-02	0.67735E-02
0.14935E+04	0.45498E-02	0.23957E+00	0.10900E-02	0.68849E-02
0.14936E+04	0.46457E-02	0.23949E+00	0.11126E-02	0.70279E-02
0.14937E+04	0.47579E-02	0.23942E+00	0.11391E-02	0.71954E-02
0.14938E+04	0.48702E-02	0.23934E+00	0.11657E-02	0.73630E-02
0.14939E+04	0.49822E-02	0.23927E+00	0.11921E-02	0.75299E-02
0.14940E+04	0.50913E-02	0.23919E+00	0.12178E-02	0.76923E-02
0.14941E+04	0.51979E-02	0.23907E+00	0.12426E-02	0.78493E-02
0.14942E+04	0.53119E-02	0.23893E+00	0.12692E-02	0.80169E-02
0.14943E+04	0.54316E-02	0.23880E+00	0.12971E-02	0.81930E-02
0.14944E+04	0.55550E-02	0.23867E+00	0.13258E-02	0.83746E-02
0.14945E+04	0.56815E-02	0.23854E+00	0.13552E-02	0.85605E-02
0.14946E+04	0.57934E-02	0.23840E+00	0.13812E-02	0.87242E-02
0.14947E+04	0.58949E-02	0.23827E+00	0.14046E-02	0.88722E-02
0.14948E+04	0.59931E-02	0.23814E+00	0.14272E-02	0.90151E-02
0.14949E+04	0.60914E-02	0.23801E+00	0.14498E-02	0.91578E-02
0.14950E+04	0.62333E-02	0.23789E+00	0.14828E-02	0.93665E-02
0.14951E+04	0.64116E-02	0.23778E+00	0.15246E-02	0.96300E-02
0.14952E+04	0.66148E-02	0.23767E+00	0.15722E-02	0.99307E-02
0.14953E+04	0.68388E-02	0.23756E+00	0.16246E-02	0.10262E-01
0.14954E+04	0.70753E-02	0.23745E+00	0.16800E-02	0.10612E-01
0.14955E+04	0.73228E-02	0.23734E+00	0.17380E-02	0.10978E-01
0.14956E+04	0.75707E-02	0.23723E+00	0.17960E-02	0.11345E-01
0.14957E+04	0.78212E-02	0.23712E+00	0.18546E-02	0.11715E-01
0.14958E+04	0.80896E-02	0.23701E+00	0.19173E-02	0.12111E-01
0.14959E+04	0.83750E-02	0.23690E+00	0.19841E-02	0.12533E-01
0.14960E+04	0.86653E-02	0.23679E+00	0.20519E-02	0.12961E-01

0.14961E+04	0.89638E-02	0.23663E+00	0.21211E-02	0.13398E-01
0.14962E+04	0.93014E-02	0.23647E+00	0.21995E-02	0.13893E-01
0.14963E+04	0.96740E-02	0.23631E+00	0.22860E-02	0.14440E-01
0.14964E+04	0.10062E-01	0.23614E+00	0.23760E-02	0.15008E-01
0.14965E+04	0.10470E-01	0.23598E+00	0.24707E-02	0.15606E-01
0.14966E+04	0.10890E-01	0.23582E+00	0.25681E-02	0.16221E-01
0.14967E+04	0.11308E-01	0.23565E+00	0.26649E-02	0.16833E-01
0.14968E+04	0.11734E-01	0.23549E+00	0.27632E-02	0.17454E-01
0.14969E+04	0.12180E-01	0.23531E+00	0.28660E-02	0.18104E-01
0.14970E+04	0.12652E-01	0.23512E+00	0.29748E-02	0.18791E-01
0.14971E+04	0.13149E-01	0.23491E+00	0.30888E-02	0.19511E-01
0.14972E+04	0.13677E-01	0.23470E+00	0.32099E-02	0.20275E-01
0.14973E+04	0.14232E-01	0.23448E+00	0.33372E-02	0.21080E-01
0.14974E+04	0.14812E-01	0.23427E+00	0.34701E-02	0.21919E-01
0.14975E+04	0.15419E-01	0.23406E+00	0.36091E-02	0.22797E-01
0.14976E+04	0.16065E-01	0.23385E+00	0.37569E-02	0.23731E-01
0.14977E+04	0.16736E-01	0.23364E+00	0.39102E-02	0.24699E-01
0.14978E+04	0.17422E-01	0.23343E+00	0.40669E-02	0.25689E-01
0.14979E+04	0.18123E-01	0.23322E+00	0.42266E-02	0.26698E-01
0.14980E+04	0.18846E-01	0.23301E+00	0.43913E-02	0.27738E-01
0.14981E+04	0.19597E-01	0.23276E+00	0.45614E-02	0.28812E-01
0.14982E+04	0.20383E-01	0.23251E+00	0.47393E-02	0.29936E-01
0.14983E+04	0.21191E-01	0.23226E+00	0.49217E-02	0.31089E-01
0.14984E+04	0.22033E-01	0.23201E+00	0.51119E-02	0.32290E-01
0.14985E+04	0.22923E-01	0.23176E+00	0.53126E-02	0.33558E-01
0.14986E+04	0.23860E-01	0.23151E+00	0.55237E-02	0.34891E-01
0.14987E+04	0.24856E-01	0.23126E+00	0.57480E-02	0.36308E-01
0.14988E+04	0.25919E-01	0.23099E+00	0.59870E-02	0.37818E-01
0.14989E+04	0.27027E-01	0.23068E+00	0.62345E-02	0.39381E-01
0.14990E+04	0.28183E-01	0.23037E+00	0.64924E-02	0.41010E-01
0.14991E+04	0.29381E-01	0.23006E+00	0.67594E-02	0.42696E-01
0.14992E+04	0.30613E-01	0.22975E+00	0.70334E-02	0.44427E-01
0.14993E+04	0.31887E-01	0.22944E+00	0.73161E-02	0.46213E-01
0.14994E+04	0.33206E-01	0.22913E+00	0.76085E-02	0.48060E-01
0.14995E+04	0.34584E-01	0.22882E+00	0.79136E-02	0.49987E-01
0.14996E+04	0.36020E-01	0.22851E+00	0.82309E-02	0.51991E-01
0.14997E+04	0.37523E-01	0.22820E+00	0.85628E-02	0.54088E-01
0.14998E+04	0.39106E-01	0.22790E+00	0.89121E-02	0.56294E-01
0.14999E+04	0.40770E-01	0.22759E+00	0.92788E-02	0.58610E-01
0.15000E+04	0.42523E-01	0.22728E+00	0.96644E-02	0.61046E-01
0.15001E+04	0.44351E-01	0.22694E+00	0.10065E-01	0.63577E-01
0.15002E+04	0.46289E-01	0.22661E+00	0.10489E-01	0.66257E-01
0.15003E+04	0.48357E-01	0.22627E+00	0.10942E-01	0.69115E-01

0.15004E+04	0.50549E-01	0.22593E+00	0.11421E-01	0.72139E-01
0.15005E+04	0.52864E-01	0.22560E+00	0.11926E-01	0.75333E-01
0.15006E+04	0.55289E-01	0.22527E+00	0.12455E-01	0.78671E-01
0.15007E+04	0.57816E-01	0.22493E+00	0.13005E-01	0.82145E-01
0.15008E+04	0.60449E-01	0.22458E+00	0.13576E-01	0.85751E-01
0.15009E+04	0.63180E-01	0.22422E+00	0.14166E-01	0.89484E-01
0.15010E+04	0.66015E-01	0.22387E+00	0.14779E-01	0.93350E-01
0.15011E+04	0.68995E-01	0.22351E+00	0.15421E-01	0.97410E-01
0.15012E+04	0.72114E-01	0.22316E+00	0.16093E-01	0.10165E+00
0.15013E+04	0.75379E-01	0.22281E+00	0.16795E-01	0.10609E+00
0.15014E+04	0.78810E-01	0.22246E+00	0.17532E-01	0.11074E+00
0.15015E+04	0.82415E-01	0.22211E+00	0.18305E-01	0.11562E+00
0.15016E+04	0.86184E-01	0.22176E+00	0.19112E-01	0.12072E+00
0.15017E+04	0.90130E-01	0.22141E+00	0.19955E-01	0.12605E+00
0.15018E+04	0.94239E-01	0.22105E+00	0.20832E-01	0.13159E+00
0.15019E+04	0.98517E-01	0.22071E+00	0.21743E-01	0.13734E+00
0.15020E+04	0.10296E+00	0.22036E+00	0.22688E-01	0.14331E+00
0.15021E+04	0.10757E+00	0.21999E+00	0.23664E-01	0.14948E+00
0.15022E+04	0.11239E+00	0.21963E+00	0.24684E-01	0.15592E+00
0.15023E+04	0.11743E+00	0.21927E+00	0.25749E-01	0.16265E+00
0.15024E+04	0.12270E+00	0.21891E+00	0.26859E-01	0.16966E+00
0.15025E+04	0.12819E+00	0.21854E+00	0.28015E-01	0.17696E+00
0.15026E+04	0.13390E+00	0.21818E+00	0.29214E-01	0.18453E+00
0.15027E+04	0.13982E+00	0.21783E+00	0.30457E-01	0.19239E+00
0.15028E+04	0.14595E+00	0.21749E+00	0.31743E-01	0.20050E+00
0.15029E+04	0.15228E+00	0.21715E+00	0.33069E-01	0.20888E+00
0.15030E+04	0.15879E+00	0.21681E+00	0.34428E-01	0.21747E+00
0.15031E+04	0.16549E+00	0.21648E+00	0.35824E-01	0.22628E+00
0.15032E+04	0.17235E+00	0.21614E+00	0.37250E-01	0.23530E+00
0.15033E+04	0.17938E+00	0.21580E+00	0.38711E-01	0.24452E+00
0.15034E+04	0.18662E+00	0.21546E+00	0.40210E-01	0.25399E+00
0.15035E+04	0.19408E+00	0.21513E+00	0.41751E-01	0.26372E+00
0.15036E+04	0.20176E+00	0.21479E+00	0.43336E-01	0.27373E+00
0.15037E+04	0.20965E+00	0.21446E+00	0.44962E-01	0.28400E+00
0.15038E+04	0.21774E+00	0.21412E+00	0.46622E-01	0.29449E+00
0.15039E+04	0.22601E+00	0.21379E+00	0.48319E-01	0.30521E+00
0.15040E+04	0.23448E+00	0.21345E+00	0.50049E-01	0.31614E+00
0.15041E+04	0.24310E+00	0.21311E+00	0.51808E-01	0.32725E+00
0.15042E+04	0.25188E+00	0.21277E+00	0.53594E-01	0.33853E+00
0.15043E+04	0.26083E+00	0.21244E+00	0.55411E-01	0.35000E+00
0.15044E+04	0.26994E+00	0.21210E+00	0.57254E-01	0.36165E+00
0.15045E+04	0.27920E+00	0.21176E+00	0.59124E-01	0.37346E+00
0.15046E+04	0.28861E+00	0.21143E+00	0.61022E-01	0.38545E+00

0.15047E+04	0.29816E+00	0.21113E+00	0.62952E-01	0.39764E+00
0.15048E+04	0.30787E+00	0.21084E+00	0.64910E-01	0.41001E+00
0.15049E+04	0.31770E+00	0.21054E+00	0.66888E-01	0.42250E+00
0.15050E+04	0.32764E+00	0.21024E+00	0.68883E-01	0.43511E+00
0.15051E+04	0.33770E+00	0.20994E+00	0.70897E-01	0.44783E+00
0.15052E+04	0.34783E+00	0.20965E+00	0.72922E-01	0.46061E+00
0.15053E+04	0.35804E+00	0.20935E+00	0.74955E-01	0.47346E+00
0.15054E+04	0.36830E+00	0.20905E+00	0.76995E-01	0.48634E+00
0.15055E+04	0.37861E+00	0.20876E+00	0.79036E-01	0.49924E+00
0.15056E+04	0.38892E+00	0.20846E+00	0.81075E-01	0.51212E+00
0.15057E+04	0.39925E+00	0.20817E+00	0.83110E-01	0.52497E+00
0.15058E+04	0.40958E+00	0.20787E+00	0.85139E-01	0.53779E+00
0.15059E+04	0.41992E+00	0.20758E+00	0.87166E-01	0.55059E+00
0.15060E+04	0.43028E+00	0.20728E+00	0.89189E-01	0.56337E+00
0.15061E+04	0.44064E+00	0.20699E+00	0.91208E-01	0.57612E+00
0.15062E+04	0.45098E+00	0.20670E+00	0.93219E-01	0.58882E+00
0.15063E+04	0.46124E+00	0.20642E+00	0.95207E-01	0.60138E+00
0.15064E+04	0.47140E+00	0.20613E+00	0.97170E-01	0.61378E+00
0.15065E+04	0.48147E+00	0.20584E+00	0.99107E-01	0.62602E+00
0.15066E+04	0.49141E+00	0.20561E+00	0.10104E+00	0.63822E+00
0.15067E+04	0.50120E+00	0.20538E+00	0.10294E+00	0.65021E+00
0.15068E+04	0.51085E+00	0.20515E+00	0.10480E+00	0.66198E+00
0.15069E+04	0.52036E+00	0.20492E+00	0.10663E+00	0.67354E+00
0.15070E+04	0.52972E+00	0.20469E+00	0.10843E+00	0.68489E+00
0.15071E+04	0.53892E+00	0.20446E+00	0.11019E+00	0.69600E+00
0.15072E+04	0.54797E+00	0.20423E+00	0.11191E+00	0.70689E+00
0.15073E+04	0.55688E+00	0.20400E+00	0.11360E+00	0.71757E+00
0.15074E+04	0.56563E+00	0.20377E+00	0.11526E+00	0.72802E+00
0.15075E+04	0.57418E+00	0.20354E+00	0.11687E+00	0.73820E+00
0.15076E+04	0.58253E+00	0.20331E+00	0.11843E+00	0.74809E+00
0.15077E+04	0.59066E+00	0.20308E+00	0.11995E+00	0.75767E+00
0.15078E+04	0.59856E+00	0.20285E+00	0.12142E+00	0.76694E+00
0.15079E+04	0.60624E+00	0.20262E+00	0.12284E+00	0.77591E+00
0.15080E+04	0.61369E+00	0.20239E+00	0.12420E+00	0.78455E+00
0.15081E+04	0.62088E+00	0.20218E+00	0.12553E+00	0.79290E+00
0.15082E+04	0.62782E+00	0.20196E+00	0.12679E+00	0.80091E+00
0.15083E+04	0.63449E+00	0.20175E+00	0.12801E+00	0.80856E+00
0.15084E+04	0.64091E+00	0.20153E+00	0.12916E+00	0.81587E+00
0.15085E+04	0.64707E+00	0.20136E+00	0.13030E+00	0.82303E+00
0.15086E+04	0.65297E+00	0.20122E+00	0.13139E+00	0.82993E+00
0.15087E+04	0.65863E+00	0.20107E+00	0.13243E+00	0.83650E+00
0.15088E+04	0.66402E+00	0.20092E+00	0.13342E+00	0.84273E+00
0.15089E+04	0.66914E+00	0.20078E+00	0.13435E+00	0.84861E+00

0.15090E+04	0.67398E+00	0.20063E+00	0.13522E+00	0.85413E+00
0.15091E+04	0.67857E+00	0.20048E+00	0.13604E+00	0.85930E+00
0.15092E+04	0.68290E+00	0.20033E+00	0.13681E+00	0.86416E+00
0.15093E+04	0.68700E+00	0.20019E+00	0.13753E+00	0.86870E+00
0.15094E+04	0.69085E+00	0.20004E+00	0.13820E+00	0.87293E+00
0.15095E+04	0.69448E+00	0.19989E+00	0.13882E+00	0.87687E+00
0.15096E+04	0.69790E+00	0.19974E+00	0.13940E+00	0.88054E+00
0.15097E+04	0.70110E+00	0.19960E+00	0.13994E+00	0.88392E+00
0.15098E+04	0.70409E+00	0.19945E+00	0.14043E+00	0.88703E+00
0.15099E+04	0.70687E+00	0.19930E+00	0.14088E+00	0.88987E+00
0.15100E+04	0.70944E+00	0.19915E+00	0.14129E+00	0.89245E+00
0.15101E+04	0.71182E+00	0.19902E+00	0.14167E+00	0.89486E+00
0.15102E+04	0.71401E+00	0.19889E+00	0.14201E+00	0.89703E+00
0.15103E+04	0.71601E+00	0.19876E+00	0.14232E+00	0.89895E+00
0.15104E+04	0.71783E+00	0.19864E+00	0.14259E+00	0.90069E+00
0.15105E+04	0.71949E+00	0.19853E+00	0.14284E+00	0.90226E+00
0.15106E+04	0.72098E+00	0.19842E+00	0.14306E+00	0.90363E+00
0.15107E+04	0.72231E+00	0.19831E+00	0.14324E+00	0.90480E+00
0.15108E+04	0.72350E+00	0.19820E+00	0.14340E+00	0.90578E+00
0.15109E+04	0.72456E+00	0.19809E+00	0.14353E+00	0.90661E+00
0.15110E+04	0.72552E+00	0.19798E+00	0.14364E+00	0.90731E+00
0.15111E+04	0.72639E+00	0.19787E+00	0.14373E+00	0.90789E+00
0.15112E+04	0.72719E+00	0.19776E+00	0.14381E+00	0.90838E+00
0.15113E+04	0.72792E+00	0.19765E+00	0.14387E+00	0.90878E+00
0.15114E+04	0.72861E+00	0.19754E+00	0.14393E+00	0.90913E+00
0.15115E+04	0.72922E+00	0.19743E+00	0.14397E+00	0.90938E+00
0.15116E+04	0.72975E+00	0.19731E+00	0.14399E+00	0.90953E+00
0.15117E+04	0.73021E+00	0.19720E+00	0.14400E+00	0.90958E+00
0.15118E+04	0.73061E+00	0.19709E+00	0.14400E+00	0.90956E+00
0.15119E+04	0.73098E+00	0.19698E+00	0.14399E+00	0.90951E+00
0.15120E+04	0.73133E+00	0.19687E+00	0.14398E+00	0.90944E+00
0.15121E+04	0.73167E+00	0.19679E+00	0.14398E+00	0.90947E+00
0.15122E+04	0.73200E+00	0.19670E+00	0.14399E+00	0.90950E+00
0.15123E+04	0.73233E+00	0.19661E+00	0.14398E+00	0.90949E+00
0.15124E+04	0.73264E+00	0.19647E+00	0.14394E+00	0.90922E+00
0.15125E+04	0.73296E+00	0.19633E+00	0.14390E+00	0.90897E+00
0.15126E+04	0.73330E+00	0.19619E+00	0.14386E+00	0.90873E+00
0.15127E+04	0.73363E+00	0.19605E+00	0.14383E+00	0.90849E+00
0.15128E+04	0.73395E+00	0.19591E+00	0.14379E+00	0.90823E+00
0.15129E+04	0.73428E+00	0.19577E+00	0.14375E+00	0.90799E+00
0.15130E+04	0.73462E+00	0.19562E+00	0.14371E+00	0.90775E+00
0.15131E+04	0.73500E+00	0.19548E+00	0.14368E+00	0.90757E+00
0.15132E+04	0.73545E+00	0.19534E+00	0.14366E+00	0.90747E+00

0.15133E+04	0.73597E+00	0.19520E+00	0.14366E+00	0.90746E+00
0.15134E+04	0.73656E+00	0.19506E+00	0.14368E+00	0.90753E+00
0.15135E+04	0.73718E+00	0.19492E+00	0.14369E+00	0.90765E+00
0.15136E+04	0.73780E+00	0.19478E+00	0.14371E+00	0.90776E+00
0.15137E+04	0.73843E+00	0.19464E+00	0.14373E+00	0.90788E+00
0.15138E+04	0.73905E+00	0.19450E+00	0.14375E+00	0.90798E+00
0.15139E+04	0.73967E+00	0.19436E+00	0.14376E+00	0.90809E+00
0.15140E+04	0.74030E+00	0.19422E+00	0.14378E+00	0.90820E+00
0.15141E+04	0.74092E+00	0.19411E+00	0.14382E+00	0.90846E+00
0.15142E+04	0.74154E+00	0.19401E+00	0.14386E+00	0.90872E+00
0.15143E+04	0.74217E+00	0.19384E+00	0.14386E+00	0.90871E+00
0.15144E+04	0.74281E+00	0.19365E+00	0.14385E+00	0.90863E+00
0.15145E+04	0.74348E+00	0.19347E+00	0.14384E+00	0.90858E+00
0.15146E+04	0.74418E+00	0.19329E+00	0.14384E+00	0.90857E+00
0.15147E+04	0.74489E+00	0.19310E+00	0.14384E+00	0.90859E+00
0.15148E+04	0.74566E+00	0.19292E+00	0.14385E+00	0.90865E+00
0.15149E+04	0.74644E+00	0.19274E+00	0.14387E+00	0.90875E+00
0.15150E+04	0.74724E+00	0.19256E+00	0.14389E+00	0.90886E+00
0.15151E+04	0.74807E+00	0.19238E+00	0.14391E+00	0.90902E+00
0.15152E+04	0.74891E+00	0.19220E+00	0.14394E+00	0.90919E+00
0.15153E+04	0.74976E+00	0.19202E+00	0.14397E+00	0.90937E+00
0.15154E+04	0.75060E+00	0.19184E+00	0.14399E+00	0.90955E+00
0.15155E+04	0.75145E+00	0.19166E+00	0.14402E+00	0.90972E+00
0.15156E+04	0.75232E+00	0.19148E+00	0.14405E+00	0.90992E+00
0.15157E+04	0.75323E+00	0.19130E+00	0.14409E+00	0.91017E+00
0.15158E+04	0.75416E+00	0.19112E+00	0.14413E+00	0.91044E+00
0.15159E+04	0.75512E+00	0.19094E+00	0.14418E+00	0.91074E+00
0.15160E+04	0.75612E+00	0.19076E+00	0.14424E+00	0.91109E+00
0.15161E+04	0.75714E+00	0.19063E+00	0.14433E+00	0.91168E+00
0.15162E+04	0.75818E+00	0.19048E+00	0.14442E+00	0.91222E+00
0.15163E+04	0.75921E+00	0.19032E+00	0.14449E+00	0.91268E+00
0.15164E+04	0.76024E+00	0.19015E+00	0.14456E+00	0.91314E+00
0.15165E+04	0.76127E+00	0.18999E+00	0.14464E+00	0.91361E+00
0.15166E+04	0.76231E+00	0.18983E+00	0.14471E+00	0.91407E+00
0.15167E+04	0.76335E+00	0.18967E+00	0.14478E+00	0.91454E+00
0.15168E+04	0.76437E+00	0.18951E+00	0.14485E+00	0.91497E+00
0.15169E+04	0.76537E+00	0.18934E+00	0.14491E+00	0.91535E+00
0.15170E+04	0.76635E+00	0.18916E+00	0.14497E+00	0.91569E+00
0.15171E+04	0.76730E+00	0.18900E+00	0.14502E+00	0.91601E+00
0.15172E+04	0.76822E+00	0.18883E+00	0.14506E+00	0.91630E+00
0.15173E+04	0.76912E+00	0.18866E+00	0.14510E+00	0.91656E+00
0.15174E+04	0.76998E+00	0.18850E+00	0.14514E+00	0.91677E+00
0.15175E+04	0.77080E+00	0.18833E+00	0.14516E+00	0.91694E+00

0.15176E+04	0.77158E+00	0.18816E+00	0.14518E+00	0.91705E+00
0.15177E+04	0.77230E+00	0.18800E+00	0.14519E+00	0.91710E+00
0.15178E+04	0.77298E+00	0.18783E+00	0.14519E+00	0.91709E+00
0.15179E+04	0.77363E+00	0.18766E+00	0.14518E+00	0.91705E+00
0.15180E+04	0.77428E+00	0.18750E+00	0.14518E+00	0.91701E+00
0.15181E+04	0.77493E+00	0.18739E+00	0.14521E+00	0.91725E+00
0.15182E+04	0.77557E+00	0.18730E+00	0.14526E+00	0.91756E+00
0.15183E+04	0.77618E+00	0.18721E+00	0.14531E+00	0.91785E+00
0.15184E+04	0.77678E+00	0.18712E+00	0.14535E+00	0.91811E+00
0.15185E+04	0.77734E+00	0.18703E+00	0.14538E+00	0.91833E+00
0.15186E+04	0.77787E+00	0.18694E+00	0.14541E+00	0.91852E+00
0.15187E+04	0.77838E+00	0.18685E+00	0.14544E+00	0.91867E+00
0.15188E+04	0.77885E+00	0.18676E+00	0.14545E+00	0.91878E+00
0.15189E+04	0.77927E+00	0.18667E+00	0.14546E+00	0.91883E+00
0.15190E+04	0.77964E+00	0.18658E+00	0.14546E+00	0.91883E+00
0.15191E+04	0.77996E+00	0.18649E+00	0.14546E+00	0.91879E+00
0.15192E+04	0.78026E+00	0.18641E+00	0.14545E+00	0.91872E+00
0.15193E+04	0.78053E+00	0.18632E+00	0.14543E+00	0.91862E+00
0.15194E+04	0.78077E+00	0.18624E+00	0.14541E+00	0.91849E+00
0.15195E+04	0.78100E+00	0.18615E+00	0.14539E+00	0.91834E+00
0.15196E+04	0.78119E+00	0.18607E+00	0.14536E+00	0.91815E+00
0.15197E+04	0.78136E+00	0.18599E+00	0.14532E+00	0.91794E+00
0.15198E+04	0.78151E+00	0.18590E+00	0.14528E+00	0.91769E+00
0.15199E+04	0.78162E+00	0.18582E+00	0.14524E+00	0.91741E+00
0.15200E+04	0.78168E+00	0.18573E+00	0.14518E+00	0.91707E+00
0.15201E+04	0.78172E+00	0.18575E+00	0.14520E+00	0.91717E+00
0.15202E+04	0.78175E+00	0.18576E+00	0.14522E+00	0.91729E+00
0.15203E+04	0.78180E+00	0.18578E+00	0.14524E+00	0.91743E+00
0.15204E+04	0.78188E+00	0.18580E+00	0.14527E+00	0.91762E+00
0.15205E+04	0.78199E+00	0.18582E+00	0.14531E+00	0.91784E+00
0.15206E+04	0.78213E+00	0.18583E+00	0.14535E+00	0.91809E+00
0.15207E+04	0.78229E+00	0.18585E+00	0.14539E+00	0.91836E+00
0.15208E+04	0.78244E+00	0.18587E+00	0.14543E+00	0.91863E+00
0.15209E+04	0.78257E+00	0.18589E+00	0.14547E+00	0.91888E+00
0.15210E+04	0.78269E+00	0.18591E+00	0.14551E+00	0.91911E+00
0.15211E+04	0.78281E+00	0.18593E+00	0.14555E+00	0.91937E+00
0.15212E+04	0.78290E+00	0.18595E+00	0.14558E+00	0.91959E+00
0.15213E+04	0.78297E+00	0.18598E+00	0.14562E+00	0.91980E+00
0.15214E+04	0.78300E+00	0.18600E+00	0.14564E+00	0.91995E+00
0.15215E+04	0.78300E+00	0.18603E+00	0.14566E+00	0.92007E+00
0.15216E+04	0.78296E+00	0.18605E+00	0.14567E+00	0.92015E+00
0.15217E+04	0.78288E+00	0.18608E+00	0.14568E+00	0.92018E+00
0.15218E+04	0.78279E+00	0.18610E+00	0.14568E+00	0.92020E+00

0.15219E+04	0.78269E+00	0.18613E+00	0.14568E+00	0.92021E+00
0.15220E+04	0.78258E+00	0.18619E+00	0.14570E+00	0.92035E+00
0.15221E+04	0.78246E+00	0.18631E+00	0.14578E+00	0.92081E+00
0.15222E+04	0.78234E+00	0.18643E+00	0.14585E+00	0.92127E+00
0.15223E+04	0.78220E+00	0.18655E+00	0.14592E+00	0.92171E+00
0.15224E+04	0.78209E+00	0.18667E+00	0.14599E+00	0.92217E+00
0.15225E+04	0.78198E+00	0.18679E+00	0.14607E+00	0.92265E+00
0.15226E+04	0.78188E+00	0.18691E+00	0.14614E+00	0.92313E+00
0.15227E+04	0.78177E+00	0.18704E+00	0.14622E+00	0.92360E+00
0.15228E+04	0.78166E+00	0.18716E+00	0.14629E+00	0.92407E+00
0.15229E+04	0.78156E+00	0.18728E+00	0.14637E+00	0.92456E+00
0.15230E+04	0.78148E+00	0.18740E+00	0.14645E+00	0.92506E+00
0.15231E+04	0.78140E+00	0.18753E+00	0.14654E+00	0.92561E+00
0.15232E+04	0.78134E+00	0.18766E+00	0.14662E+00	0.92617E+00
0.15233E+04	0.78129E+00	0.18779E+00	0.14671E+00	0.92673E+00
0.15234E+04	0.78123E+00	0.18791E+00	0.14681E+00	0.92730E+00
0.15235E+04	0.78118E+00	0.18804E+00	0.14689E+00	0.92787E+00
0.15236E+04	0.78113E+00	0.18817E+00	0.14699E+00	0.92844E+00
0.15237E+04	0.78110E+00	0.18830E+00	0.14708E+00	0.92904E+00
0.15238E+04	0.78106E+00	0.18843E+00	0.14717E+00	0.92963E+00
0.15239E+04	0.78101E+00	0.18857E+00	0.14727E+00	0.93026E+00
0.15240E+04	0.78097E+00	0.18873E+00	0.14739E+00	0.93100E+00
0.15241E+04	0.78094E+00	0.18892E+00	0.14754E+00	0.93193E+00
0.15242E+04	0.78092E+00	0.18912E+00	0.14769E+00	0.93289E+00
0.15243E+04	0.78092E+00	0.18932E+00	0.14784E+00	0.93386E+00
0.15244E+04	0.78092E+00	0.18952E+00	0.14800E+00	0.93484E+00
0.15245E+04	0.78090E+00	0.18972E+00	0.14815E+00	0.93579E+00
0.15246E+04	0.78084E+00	0.18991E+00	0.14829E+00	0.93669E+00
0.15247E+04	0.78074E+00	0.19011E+00	0.14843E+00	0.93755E+00
0.15248E+04	0.78064E+00	0.19031E+00	0.14856E+00	0.93840E+00
0.15249E+04	0.78054E+00	0.19051E+00	0.14870E+00	0.93926E+00
0.15250E+04	0.78045E+00	0.19070E+00	0.14884E+00	0.94013E+00
0.15251E+04	0.78037E+00	0.19091E+00	0.14898E+00	0.94102E+00
0.15252E+04	0.78027E+00	0.19111E+00	0.14911E+00	0.94189E+00
0.15253E+04	0.78014E+00	0.19131E+00	0.14925E+00	0.94272E+00
0.15254E+04	0.77999E+00	0.19151E+00	0.14937E+00	0.94354E+00
0.15255E+04	0.77983E+00	0.19171E+00	0.14950E+00	0.94433E+00
0.15256E+04	0.77966E+00	0.19191E+00	0.14963E+00	0.94512E+00
0.15257E+04	0.77951E+00	0.19211E+00	0.14975E+00	0.94592E+00
0.15258E+04	0.77937E+00	0.19231E+00	0.14988E+00	0.94674E+00
0.15259E+04	0.77925E+00	0.19250E+00	0.15001E+00	0.94754E+00
0.15260E+04	0.77915E+00	0.19270E+00	0.15014E+00	0.94837E+00
0.15261E+04	0.77904E+00	0.19291E+00	0.15029E+00	0.94931E+00

0.15262E+04	0.77893E+00	0.19313E+00	0.15044E+00	0.95024E+00
0.15263E+04	0.77881E+00	0.19335E+00	0.15058E+00	0.95116E+00
0.15264E+04	0.77869E+00	0.19356E+00	0.15073E+00	0.95208E+00
0.15265E+04	0.77858E+00	0.19378E+00	0.15087E+00	0.95300E+00
0.15266E+04	0.77848E+00	0.19400E+00	0.15102E+00	0.95395E+00
0.15267E+04	0.77842E+00	0.19421E+00	0.15118E+00	0.95494E+00
0.15268E+04	0.77839E+00	0.19443E+00	0.15134E+00	0.95596E+00
0.15269E+04	0.77835E+00	0.19464E+00	0.15150E+00	0.95697E+00
0.15270E+04	0.77830E+00	0.19486E+00	0.15166E+00	0.95797E+00
0.15271E+04	0.77826E+00	0.19508E+00	0.15182E+00	0.95900E+00
0.15272E+04	0.77827E+00	0.19529E+00	0.15199E+00	0.96006E+00
0.15273E+04	0.77830E+00	0.19551E+00	0.15217E+00	0.96117E+00
0.15274E+04	0.77836E+00	0.19573E+00	0.15235E+00	0.96231E+00
0.15275E+04	0.77846E+00	0.19594E+00	0.15253E+00	0.96349E+00
0.15276E+04	0.77857E+00	0.19616E+00	0.15272E+00	0.96469E+00
0.15277E+04	0.77870E+00	0.19637E+00	0.15292E+00	0.96591E+00
0.15278E+04	0.77885E+00	0.19657E+00	0.15309E+00	0.96703E+00
0.15279E+04	0.77901E+00	0.19675E+00	0.15327E+00	0.96814E+00
0.15280E+04	0.77915E+00	0.19693E+00	0.15344E+00	0.96922E+00
0.15281E+04	0.77927E+00	0.19713E+00	0.15361E+00	0.97032E+00
0.15282E+04	0.77940E+00	0.19732E+00	0.15379E+00	0.97141E+00
0.15283E+04	0.77955E+00	0.19751E+00	0.15397E+00	0.97254E+00
0.15284E+04	0.77975E+00	0.19770E+00	0.15415E+00	0.97372E+00
0.15285E+04	0.77997E+00	0.19789E+00	0.15435E+00	0.97494E+00
0.15286E+04	0.78024E+00	0.19808E+00	0.15455E+00	0.97621E+00
0.15287E+04	0.78055E+00	0.19827E+00	0.15476E+00	0.97753E+00
0.15288E+04	0.78084E+00	0.19845E+00	0.15496E+00	0.97882E+00
0.15289E+04	0.78111E+00	0.19864E+00	0.15516E+00	0.98010E+00
0.15290E+04	0.78140E+00	0.19883E+00	0.15537E+00	0.98138E+00
0.15291E+04	0.78169E+00	0.19902E+00	0.15557E+00	0.98267E+00
0.15292E+04	0.78199E+00	0.19921E+00	0.15578E+00	0.98397E+00
0.15293E+04	0.78227E+00	0.19939E+00	0.15598E+00	0.98525E+00
0.15294E+04	0.78251E+00	0.19958E+00	0.15617E+00	0.98647E+00
0.15295E+04	0.78272E+00	0.19977E+00	0.15636E+00	0.98766E+00
0.15296E+04	0.78289E+00	0.19995E+00	0.15654E+00	0.98879E+00
0.15297E+04	0.78303E+00	0.20011E+00	0.15669E+00	0.98976E+00
0.15298E+04	0.78318E+00	0.20024E+00	0.15683E+00	0.99061E+00
0.15299E+04	0.78330E+00	0.20038E+00	0.15696E+00	0.99143E+00
0.15300E+04	0.78340E+00	0.20051E+00	0.15708E+00	0.99220E+00
0.15301E+04	0.78347E+00	0.20063E+00	0.15719E+00	0.99289E+00
0.15302E+04	0.78351E+00	0.20075E+00	0.15729E+00	0.99353E+00
0.15303E+04	0.78354E+00	0.20087E+00	0.15739E+00	0.99414E+00
0.15304E+04	0.78355E+00	0.20098E+00	0.15748E+00	0.99474E+00

0.15305E+04	0.78354E+00	0.20110E+00	0.15757E+00	0.99531E+00
0.15306E+04	0.78349E+00	0.20122E+00	0.15765E+00	0.99582E+00
0.15307E+04	0.78342E+00	0.20133E+00	0.15773E+00	0.99629E+00
0.15308E+04	0.78330E+00	0.20145E+00	0.15779E+00	0.99672E+00
0.15309E+04	0.78317E+00	0.20156E+00	0.15786E+00	0.99712E+00
0.15310E+04	0.78302E+00	0.20168E+00	0.15792E+00	0.99750E+00
0.15311E+04	0.78287E+00	0.20179E+00	0.15798E+00	0.99787E+00
0.15312E+04	0.78273E+00	0.20191E+00	0.15804E+00	0.99826E+00
0.15313E+04	0.78263E+00	0.20202E+00	0.15811E+00	0.99868E+00
0.15314E+04	0.78253E+00	0.20213E+00	0.15817E+00	0.99912E+00
0.15315E+04	0.78244E+00	0.20224E+00	0.15824E+00	0.99955E+00
0.15316E+04	0.78235E+00	0.20234E+00	0.15830E+00	0.99992E+00
0.15317E+04	0.78224E+00	0.20238E+00	0.15831E+00	0.99997E+00
0.15318E+04	0.78211E+00	0.20242E+00	0.15831E+00	0.10000E+01
0.15319E+04	0.78197E+00	0.20245E+00	0.15831E+00	0.10000E+01
0.15320E+04	0.78180E+00	0.20249E+00	0.15831E+00	0.99996E+00
0.15321E+04	0.78163E+00	0.20249E+00	0.15827E+00	0.99974E+00
0.15322E+04	0.78145E+00	0.20249E+00	0.15823E+00	0.99950E+00
0.15323E+04	0.78126E+00	0.20249E+00	0.15819E+00	0.99924E+00
0.15324E+04	0.78106E+00	0.20248E+00	0.15815E+00	0.99898E+00
0.15325E+04	0.78088E+00	0.20248E+00	0.15811E+00	0.99873E+00
0.15326E+04	0.78068E+00	0.20248E+00	0.15807E+00	0.99846E+00
0.15327E+04	0.78048E+00	0.20247E+00	0.15803E+00	0.99818E+00
0.15328E+04	0.78027E+00	0.20247E+00	0.15798E+00	0.99790E+00
0.15329E+04	0.78006E+00	0.20246E+00	0.15793E+00	0.99760E+00
0.15330E+04	0.77987E+00	0.20246E+00	0.15789E+00	0.99733E+00
0.15331E+04	0.77968E+00	0.20245E+00	0.15785E+00	0.99707E+00
0.15332E+04	0.77949E+00	0.20245E+00	0.15781E+00	0.99681E+00
0.15333E+04	0.77931E+00	0.20245E+00	0.15777E+00	0.99656E+00
0.15334E+04	0.77913E+00	0.20244E+00	0.15773E+00	0.99631E+00
0.15335E+04	0.77897E+00	0.20244E+00	0.15769E+00	0.99607E+00
0.15336E+04	0.77885E+00	0.20238E+00	0.15762E+00	0.99563E+00
0.15337E+04	0.77876E+00	0.20231E+00	0.15755E+00	0.99520E+00
0.15338E+04	0.77872E+00	0.20225E+00	0.15750E+00	0.99483E+00
0.15339E+04	0.77874E+00	0.20218E+00	0.15745E+00	0.99454E+00
0.15340E+04	0.77878E+00	0.20212E+00	0.15741E+00	0.99427E+00
0.15341E+04	0.77885E+00	0.20200E+00	0.15733E+00	0.99377E+00
0.15342E+04	0.77893E+00	0.20188E+00	0.15725E+00	0.99328E+00
0.15343E+04	0.77901E+00	0.20176E+00	0.15717E+00	0.99279E+00
0.15344E+04	0.77910E+00	0.20164E+00	0.15710E+00	0.99233E+00
0.15345E+04	0.77921E+00	0.20152E+00	0.15703E+00	0.99187E+00
0.15346E+04	0.77930E+00	0.20140E+00	0.15695E+00	0.99141E+00
0.15347E+04	0.77940E+00	0.20128E+00	0.15688E+00	0.99093E+00

0.15348E+04	0.77947E+00	0.20116E+00	0.15680E+00	0.99044E+00
0.15349E+04	0.77951E+00	0.20104E+00	0.15671E+00	0.98989E+00
0.15350E+04	0.77951E+00	0.20092E+00	0.15662E+00	0.98930E+00
0.15351E+04	0.77949E+00	0.20080E+00	0.15652E+00	0.98869E+00
0.15352E+04	0.77946E+00	0.20069E+00	0.15643E+00	0.98807E+00
0.15353E+04	0.77941E+00	0.20057E+00	0.15632E+00	0.98743E+00
0.15354E+04	0.77933E+00	0.20045E+00	0.15622E+00	0.98675E+00
0.15355E+04	0.77922E+00	0.20034E+00	0.15611E+00	0.98607E+00
0.15356E+04	0.77908E+00	0.20023E+00	0.15600E+00	0.98536E+00
0.15357E+04	0.77892E+00	0.20012E+00	0.15588E+00	0.98463E+00
0.15358E+04	0.77873E+00	0.20002E+00	0.15576E+00	0.98386E+00
0.15359E+04	0.77853E+00	0.19991E+00	0.15563E+00	0.98308E+00
0.15360E+04	0.77830E+00	0.19980E+00	0.15551E+00	0.98226E+00
0.15361E+04	0.77803E+00	0.19963E+00	0.15532E+00	0.98107E+00
0.15362E+04	0.77771E+00	0.19946E+00	0.15512E+00	0.97982E+00
0.15363E+04	0.77733E+00	0.19928E+00	0.15491E+00	0.97851E+00
0.15364E+04	0.77692E+00	0.19911E+00	0.15469E+00	0.97714E+00
0.15365E+04	0.77649E+00	0.19894E+00	0.15448E+00	0.97576E+00
0.15366E+04	0.77605E+00	0.19877E+00	0.15426E+00	0.97438E+00
0.15367E+04	0.77562E+00	0.19860E+00	0.15404E+00	0.97298E+00
0.15368E+04	0.77517E+00	0.19842E+00	0.15381E+00	0.97156E+00
0.15369E+04	0.77470E+00	0.19825E+00	0.15358E+00	0.97013E+00
0.15370E+04	0.77421E+00	0.19808E+00	0.15335E+00	0.96867E+00
0.15371E+04	0.77371E+00	0.19791E+00	0.15312E+00	0.96722E+00
0.15372E+04	0.77321E+00	0.19774E+00	0.15289E+00	0.96576E+00
0.15373E+04	0.77270E+00	0.19757E+00	0.15266E+00	0.96431E+00
0.15374E+04	0.77223E+00	0.19743E+00	0.15246E+00	0.96303E+00
0.15375E+04	0.77177E+00	0.19733E+00	0.15229E+00	0.96198E+00
0.15376E+04	0.77132E+00	0.19723E+00	0.15213E+00	0.96093E+00
0.15377E+04	0.77086E+00	0.19714E+00	0.15196E+00	0.95989E+00
0.15378E+04	0.77037E+00	0.19704E+00	0.15179E+00	0.95880E+00
0.15379E+04	0.76984E+00	0.19694E+00	0.15161E+00	0.95767E+00
0.15380E+04	0.76925E+00	0.19684E+00	0.15142E+00	0.95643E+00
0.15381E+04	0.76861E+00	0.19667E+00	0.15117E+00	0.95485E+00
0.15382E+04	0.76798E+00	0.19651E+00	0.15092E+00	0.95327E+00
0.15383E+04	0.76734E+00	0.19635E+00	0.15067E+00	0.95169E+00
0.15384E+04	0.76671E+00	0.19619E+00	0.15042E+00	0.95012E+00
0.15385E+04	0.76608E+00	0.19602E+00	0.15017E+00	0.94856E+00
0.15386E+04	0.76545E+00	0.19586E+00	0.14992E+00	0.94700E+00
0.15387E+04	0.76481E+00	0.19570E+00	0.14968E+00	0.94543E+00
0.15388E+04	0.76415E+00	0.19554E+00	0.14942E+00	0.94384E+00
0.15389E+04	0.76349E+00	0.19538E+00	0.14917E+00	0.94225E+00
0.15390E+04	0.76281E+00	0.19522E+00	0.14892E+00	0.94064E+00

0.15391E+04	0.76211E+00	0.19506E+00	0.14866E+00	0.93903E+00
0.15392E+04	0.76142E+00	0.19491E+00	0.14841E+00	0.93742E+00
0.15393E+04	0.76077E+00	0.19476E+00	0.14817E+00	0.93590E+00
0.15394E+04	0.76019E+00	0.19468E+00	0.14800E+00	0.93483E+00
0.15395E+04	0.75968E+00	0.19461E+00	0.14784E+00	0.93385E+00
0.15396E+04	0.75926E+00	0.19453E+00	0.14770E+00	0.93297E+00
0.15397E+04	0.75890E+00	0.19446E+00	0.14758E+00	0.93217E+00
0.15398E+04	0.75857E+00	0.19439E+00	0.14746E+00	0.93141E+00
0.15399E+04	0.75824E+00	0.19431E+00	0.14733E+00	0.93065E+00
0.15400E+04	0.75788E+00	0.19424E+00	0.14721E+00	0.92985E+00
0.15401E+04	0.75753E+00	0.19410E+00	0.14703E+00	0.92875E+00
0.15402E+04	0.75725E+00	0.19395E+00	0.14687E+00	0.92772E+00
0.15403E+04	0.75701E+00	0.19381E+00	0.14672E+00	0.92674E+00
0.15404E+04	0.75681E+00	0.19367E+00	0.14657E+00	0.92582E+00
0.15405E+04	0.75663E+00	0.19353E+00	0.14643E+00	0.92492E+00
0.15406E+04	0.75647E+00	0.19338E+00	0.14629E+00	0.92405E+00
0.15407E+04	0.75634E+00	0.19324E+00	0.14616E+00	0.92322E+00
0.15408E+04	0.75625E+00	0.19310E+00	0.14603E+00	0.92242E+00
0.15409E+04	0.75620E+00	0.19296E+00	0.14592E+00	0.92168E+00
0.15410E+04	0.75620E+00	0.19282E+00	0.14581E+00	0.92102E+00
0.15411E+04	0.75624E+00	0.19268E+00	0.14571E+00	0.92039E+00
0.15412E+04	0.75628E+00	0.19254E+00	0.14561E+00	0.91977E+00
0.15413E+04	0.75635E+00	0.19246E+00	0.14557E+00	0.91950E+00
0.15414E+04	0.75643E+00	0.19240E+00	0.14554E+00	0.91932E+00
0.15415E+04	0.75655E+00	0.19235E+00	0.14552E+00	0.91918E+00
0.15416E+04	0.75668E+00	0.19229E+00	0.14550E+00	0.91906E+00
0.15417E+04	0.75681E+00	0.19223E+00	0.14548E+00	0.91893E+00
0.15418E+04	0.75693E+00	0.19217E+00	0.14546E+00	0.91881E+00
0.15419E+04	0.75707E+00	0.19211E+00	0.14544E+00	0.91869E+00
0.15420E+04	0.75720E+00	0.19205E+00	0.14542E+00	0.91858E+00
0.15421E+04	0.75734E+00	0.19193E+00	0.14536E+00	0.91816E+00
0.15422E+04	0.75749E+00	0.19181E+00	0.14529E+00	0.91775E+00
0.15423E+04	0.75763E+00	0.19168E+00	0.14523E+00	0.91733E+00
0.15424E+04	0.75775E+00	0.19156E+00	0.14515E+00	0.91688E+00
0.15425E+04	0.75783E+00	0.19144E+00	0.14508E+00	0.91639E+00
0.15426E+04	0.75789E+00	0.19131E+00	0.14499E+00	0.91586E+00
0.15427E+04	0.75793E+00	0.19119E+00	0.14491E+00	0.91532E+00
0.15428E+04	0.75798E+00	0.19106E+00	0.14482E+00	0.91479E+00
0.15429E+04	0.75803E+00	0.19094E+00	0.14474E+00	0.91425E+00
0.15430E+04	0.75807E+00	0.19081E+00	0.14465E+00	0.91370E+00
0.15431E+04	0.75808E+00	0.19069E+00	0.14456E+00	0.91310E+00
0.15432E+04	0.75807E+00	0.19059E+00	0.14448E+00	0.91261E+00
0.15433E+04	0.75804E+00	0.19051E+00	0.14441E+00	0.91220E+00

0.15434E+04	0.75799E+00	0.19043E+00	0.14435E+00	0.91178E+00
0.15435E+04	0.75794E+00	0.19036E+00	0.14428E+00	0.91135E+00
0.15436E+04	0.75787E+00	0.19028E+00	0.14421E+00	0.91090E+00
0.15437E+04	0.75775E+00	0.19020E+00	0.14413E+00	0.91039E+00
0.15438E+04	0.75756E+00	0.19013E+00	0.14403E+00	0.90979E+00
0.15439E+04	0.75733E+00	0.19005E+00	0.14393E+00	0.90913E+00
0.15440E+04	0.75705E+00	0.18997E+00	0.14382E+00	0.90843E+00
0.15441E+04	0.75675E+00	0.18983E+00	0.14366E+00	0.90741E+00
0.15442E+04	0.75644E+00	0.18970E+00	0.14349E+00	0.90639E+00
0.15443E+04	0.75612E+00	0.18956E+00	0.14333E+00	0.90535E+00
0.15444E+04	0.75578E+00	0.18942E+00	0.14316E+00	0.90429E+00
0.15445E+04	0.75543E+00	0.18928E+00	0.14299E+00	0.90320E+00
0.15446E+04	0.75507E+00	0.18914E+00	0.14282E+00	0.90211E+00
0.15447E+04	0.75473E+00	0.18900E+00	0.14265E+00	0.90104E+00
0.15448E+04	0.75445E+00	0.18886E+00	0.14249E+00	0.90004E+00
0.15449E+04	0.75421E+00	0.18872E+00	0.14234E+00	0.89908E+00
0.15450E+04	0.75402E+00	0.18858E+00	0.14219E+00	0.89818E+00
0.15451E+04	0.75382E+00	0.18843E+00	0.14204E+00	0.89723E+00
0.15452E+04	0.75359E+00	0.18827E+00	0.14188E+00	0.89621E+00
0.15453E+04	0.75336E+00	0.18811E+00	0.14172E+00	0.89517E+00
0.15454E+04	0.75312E+00	0.18795E+00	0.14155E+00	0.89411E+00
0.15455E+04	0.75285E+00	0.18779E+00	0.14138E+00	0.89303E+00
0.15456E+04	0.75258E+00	0.18763E+00	0.14121E+00	0.89194E+00
0.15457E+04	0.75229E+00	0.18747E+00	0.14103E+00	0.89082E+00
0.15458E+04	0.75196E+00	0.18730E+00	0.14084E+00	0.88966E+00
0.15459E+04	0.75161E+00	0.18714E+00	0.14065E+00	0.88846E+00
0.15460E+04	0.75122E+00	0.18697E+00	0.14046E+00	0.88722E+00
0.15461E+04	0.75081E+00	0.18677E+00	0.14023E+00	0.88576E+00
0.15462E+04	0.75039E+00	0.18657E+00	0.14000E+00	0.88430E+00
0.15463E+04	0.74996E+00	0.18636E+00	0.13976E+00	0.88283E+00
0.15464E+04	0.74954E+00	0.18616E+00	0.13953E+00	0.88135E+00
0.15465E+04	0.74909E+00	0.18595E+00	0.13929E+00	0.87985E+00
0.15466E+04	0.74859E+00	0.18574E+00	0.13904E+00	0.87829E+00
0.15467E+04	0.74805E+00	0.18553E+00	0.13879E+00	0.87666E+00
0.15468E+04	0.74746E+00	0.18533E+00	0.13852E+00	0.87500E+00
0.15469E+04	0.74683E+00	0.18512E+00	0.13825E+00	0.87327E+00
0.15470E+04	0.74615E+00	0.18491E+00	0.13797E+00	0.87148E+00
0.15471E+04	0.74543E+00	0.18463E+00	0.13763E+00	0.86934E+00
0.15472E+04	0.74466E+00	0.18434E+00	0.13727E+00	0.86710E+00
0.15473E+04	0.74387E+00	0.18406E+00	0.13691E+00	0.86483E+00
0.15474E+04	0.74305E+00	0.18377E+00	0.13655E+00	0.86253E+00
0.15475E+04	0.74220E+00	0.18349E+00	0.13618E+00	0.86021E+00
0.15476E+04	0.74135E+00	0.18320E+00	0.13581E+00	0.85788E+00

0.15477E+04	0.74049E+00	0.18291E+00	0.13544E+00	0.85554E+00
0.15478E+04	0.73962E+00	0.18262E+00	0.13507E+00	0.85319E+00
0.15479E+04	0.73873E+00	0.18234E+00	0.13470E+00	0.85083E+00
0.15480E+04	0.73783E+00	0.18205E+00	0.13432E+00	0.84844E+00
0.15481E+04	0.73693E+00	0.18174E+00	0.13393E+00	0.84595E+00
0.15482E+04	0.73604E+00	0.18142E+00	0.13353E+00	0.84347E+00
0.15483E+04	0.73517E+00	0.18111E+00	0.13314E+00	0.84101E+00
0.15484E+04	0.73433E+00	0.18079E+00	0.13276E+00	0.83859E+00
0.15485E+04	0.73353E+00	0.18048E+00	0.13238E+00	0.83621E+00
0.15486E+04	0.73274E+00	0.18016E+00	0.13201E+00	0.83385E+00
0.15487E+04	0.73193E+00	0.17984E+00	0.13163E+00	0.83146E+00
0.15488E+04	0.73109E+00	0.17953E+00	0.13125E+00	0.82905E+00
0.15489E+04	0.73024E+00	0.17921E+00	0.13087E+00	0.82662E+00
0.15490E+04	0.72936E+00	0.17883E+00	0.13043E+00	0.82389E+00
0.15491E+04	0.72847E+00	0.17842E+00	0.12997E+00	0.82098E+00
0.15492E+04	0.72760E+00	0.17800E+00	0.12952E+00	0.81809E+00
0.15493E+04	0.72678E+00	0.17759E+00	0.12907E+00	0.81526E+00
0.15494E+04	0.72599E+00	0.17717E+00	0.12863E+00	0.81247E+00
0.15495E+04	0.72521E+00	0.17676E+00	0.12819E+00	0.80970E+00
0.15496E+04	0.72444E+00	0.17634E+00	0.12775E+00	0.80695E+00
0.15497E+04	0.72368E+00	0.17593E+00	0.12732E+00	0.80421E+00
0.15498E+04	0.72292E+00	0.17551E+00	0.12688E+00	0.80146E+00
0.15499E+04	0.72214E+00	0.17510E+00	0.12645E+00	0.79871E+00
0.15500E+04	0.72134E+00	0.17469E+00	0.12601E+00	0.79594E+00
0.15501E+04	0.72054E+00	0.17427E+00	0.12557E+00	0.79314E+00
0.15502E+04	0.71971E+00	0.17385E+00	0.12512E+00	0.79032E+00
0.15503E+04	0.71889E+00	0.17342E+00	0.12467E+00	0.78751E+00
0.15504E+04	0.71810E+00	0.17300E+00	0.12423E+00	0.78473E+00
0.15505E+04	0.71732E+00	0.17258E+00	0.12380E+00	0.78197E+00
0.15506E+04	0.71657E+00	0.17216E+00	0.12337E+00	0.77926E+00
0.15507E+04	0.71584E+00	0.17174E+00	0.12294E+00	0.77657E+00
0.15508E+04	0.71513E+00	0.17132E+00	0.12252E+00	0.77390E+00
0.15509E+04	0.71444E+00	0.17088E+00	0.12208E+00	0.77115E+00
0.15510E+04	0.71374E+00	0.17038E+00	0.12161E+00	0.76813E+00
0.15511E+04	0.71305E+00	0.16988E+00	0.12113E+00	0.76514E+00
0.15512E+04	0.71236E+00	0.16938E+00	0.12066E+00	0.76215E+00
0.15513E+04	0.71169E+00	0.16888E+00	0.12019E+00	0.75919E+00
0.15514E+04	0.71107E+00	0.16838E+00	0.11973E+00	0.75628E+00
0.15515E+04	0.71047E+00	0.16788E+00	0.11928E+00	0.75341E+00
0.15516E+04	0.70988E+00	0.16739E+00	0.11882E+00	0.75056E+00
0.15517E+04	0.70931E+00	0.16689E+00	0.11838E+00	0.74773E+00
0.15518E+04	0.70874E+00	0.16639E+00	0.11793E+00	0.74491E+00
0.15519E+04	0.70818E+00	0.16590E+00	0.11749E+00	0.74211E+00

0.15520E+04	0.70763E+00	0.16540E+00	0.11704E+00	0.73931E+00
0.15521E+04	0.70708E+00	0.16492E+00	0.11661E+00	0.73657E+00
0.15522E+04	0.70654E+00	0.16443E+00	0.11618E+00	0.73385E+00
0.15523E+04	0.70600E+00	0.16395E+00	0.11575E+00	0.73113E+00
0.15524E+04	0.70547E+00	0.16346E+00	0.11532E+00	0.72842E+00
0.15525E+04	0.70493E+00	0.16298E+00	0.11489E+00	0.72572E+00
0.15526E+04	0.70440E+00	0.16250E+00	0.11447E+00	0.72303E+00
0.15527E+04	0.70385E+00	0.16202E+00	0.11404E+00	0.72032E+00
0.15528E+04	0.70330E+00	0.16153E+00	0.11361E+00	0.71760E+00
0.15529E+04	0.70274E+00	0.16102E+00	0.11316E+00	0.71476E+00
0.15530E+04	0.70214E+00	0.16051E+00	0.11270E+00	0.71190E+00
0.15531E+04	0.70151E+00	0.16000E+00	0.11224E+00	0.70900E+00
0.15532E+04	0.70083E+00	0.15950E+00	0.11178E+00	0.70606E+00
0.15533E+04	0.70008E+00	0.15899E+00	0.11130E+00	0.70306E+00
0.15534E+04	0.69929E+00	0.15848E+00	0.11082E+00	0.70003E+00
0.15535E+04	0.69844E+00	0.15798E+00	0.11034E+00	0.69695E+00
0.15536E+04	0.69754E+00	0.15747E+00	0.10984E+00	0.69383E+00
0.15537E+04	0.69659E+00	0.15697E+00	0.10934E+00	0.69066E+00
0.15538E+04	0.69558E+00	0.15646E+00	0.10883E+00	0.68744E+00
0.15539E+04	0.69448E+00	0.15596E+00	0.10831E+00	0.68416E+00
0.15540E+04	0.69328E+00	0.15546E+00	0.10778E+00	0.68078E+00
0.15541E+04	0.69196E+00	0.15498E+00	0.10724E+00	0.67739E+00
0.15542E+04	0.69051E+00	0.15450E+00	0.10669E+00	0.67389E+00
0.15543E+04	0.68893E+00	0.15403E+00	0.10611E+00	0.67027E+00
0.15544E+04	0.68720E+00	0.15355E+00	0.10552E+00	0.66654E+00
0.15545E+04	0.68533E+00	0.15308E+00	0.10491E+00	0.66266E+00
0.15546E+04	0.68328E+00	0.15261E+00	0.10427E+00	0.65864E+00
0.15547E+04	0.68104E+00	0.15213E+00	0.10361E+00	0.65445E+00
0.15548E+04	0.67858E+00	0.15169E+00	0.10294E+00	0.65021E+00
0.15549E+04	0.67592E+00	0.15126E+00	0.10224E+00	0.64582E+00
0.15550E+04	0.67305E+00	0.15083E+00	0.10152E+00	0.64125E+00
0.15551E+04	0.66998E+00	0.15041E+00	0.10077E+00	0.63651E+00
0.15552E+04	0.66672E+00	0.14998E+00	0.99993E-01	0.63161E+00
0.15553E+04	0.66327E+00	0.14955E+00	0.99191E-01	0.62655E+00
0.15554E+04	0.65964E+00	0.14912E+00	0.98366E-01	0.62133E+00
0.15555E+04	0.65579E+00	0.14869E+00	0.97513E-01	0.61595E+00
0.15556E+04	0.65173E+00	0.14827E+00	0.96631E-01	0.61038E+00
0.15557E+04	0.64745E+00	0.14784E+00	0.95720E-01	0.60462E+00
0.15558E+04	0.64295E+00	0.14742E+00	0.94782E-01	0.59869E+00
0.15559E+04	0.63824E+00	0.14699E+00	0.93816E-01	0.59260E+00
0.15560E+04	0.63331E+00	0.14657E+00	0.92823E-01	0.58632E+00
0.15561E+04	0.62814E+00	0.14617E+00	0.91816E-01	0.57996E+00
0.15562E+04	0.62273E+00	0.14578E+00	0.90783E-01	0.57344E+00

0.15563E+04	0.61709E+00	0.14539E+00	0.89719E-01	0.56671E+00
0.15564E+04	0.61119E+00	0.14500E+00	0.88623E-01	0.55979E+00
0.15565E+04	0.60504E+00	0.14459E+00	0.87484E-01	0.55260E+00
0.15566E+04	0.59865E+00	0.14418E+00	0.86316E-01	0.54522E+00
0.15567E+04	0.59204E+00	0.14382E+00	0.85146E-01	0.53783E+00
0.15568E+04	0.58520E+00	0.14349E+00	0.83972E-01	0.53041E+00
0.15569E+04	0.57812E+00	0.14317E+00	0.82768E-01	0.52281E+00
0.15570E+04	0.57081E+00	0.14284E+00	0.81537E-01	0.51503E+00
0.15571E+04	0.56328E+00	0.14252E+00	0.80277E-01	0.50708E+00
0.15572E+04	0.55553E+00	0.14219E+00	0.78992E-01	0.49896E+00
0.15573E+04	0.54757E+00	0.14187E+00	0.77682E-01	0.49068E+00
0.15574E+04	0.53943E+00	0.14154E+00	0.76353E-01	0.48229E+00
0.15575E+04	0.53111E+00	0.14122E+00	0.75003E-01	0.47376E+00
0.15576E+04	0.52262E+00	0.14089E+00	0.73633E-01	0.46511E+00
0.15577E+04	0.51393E+00	0.14057E+00	0.72243E-01	0.45633E+00
0.15578E+04	0.50506E+00	0.14024E+00	0.70831E-01	0.44741E+00
0.15579E+04	0.49602E+00	0.13992E+00	0.69404E-01	0.43839E+00
0.15580E+04	0.48685E+00	0.13960E+00	0.67963E-01	0.42929E+00
0.15581E+04	0.47755E+00	0.13932E+00	0.66531E-01	0.42024E+00
0.15582E+04	0.46812E+00	0.13904E+00	0.65087E-01	0.41113E+00
0.15583E+04	0.45858E+00	0.13876E+00	0.63632E-01	0.40194E+00
0.15584E+04	0.44893E+00	0.13848E+00	0.62168E-01	0.39269E+00
0.15585E+04	0.43918E+00	0.13820E+00	0.60696E-01	0.38339E+00
0.15586E+04	0.42937E+00	0.13794E+00	0.59226E-01	0.37411E+00
0.15587E+04	0.41949E+00	0.13774E+00	0.57778E-01	0.36496E+00
0.15588E+04	0.40957E+00	0.13753E+00	0.56329E-01	0.35581E+00
0.15589E+04	0.39962E+00	0.13733E+00	0.54879E-01	0.34665E+00
0.15590E+04	0.38964E+00	0.13712E+00	0.53429E-01	0.33749E+00
0.15591E+04	0.37966E+00	0.13692E+00	0.51982E-01	0.32835E+00
0.15592E+04	0.36969E+00	0.13671E+00	0.50541E-01	0.31925E+00
0.15593E+04	0.35975E+00	0.13651E+00	0.49108E-01	0.31019E+00
0.15594E+04	0.34986E+00	0.13630E+00	0.47686E-01	0.30121E+00
0.15595E+04	0.34002E+00	0.13610E+00	0.46275E-01	0.29230E+00
0.15596E+04	0.33025E+00	0.13589E+00	0.44878E-01	0.28347E+00
0.15597E+04	0.32055E+00	0.13568E+00	0.43493E-01	0.27473E+00
0.15598E+04	0.31093E+00	0.13548E+00	0.42124E-01	0.26608E+00
0.15599E+04	0.30143E+00	0.13527E+00	0.40775E-01	0.25756E+00
0.15600E+04	0.29207E+00	0.13507E+00	0.39450E-01	0.24919E+00
0.15601E+04	0.28286E+00	0.13492E+00	0.38162E-01	0.24105E+00
0.15602E+04	0.27379E+00	0.13477E+00	0.36897E-01	0.23306E+00
0.15603E+04	0.26489E+00	0.13461E+00	0.35657E-01	0.22523E+00
0.15604E+04	0.25618E+00	0.13446E+00	0.34446E-01	0.21758E+00
0.15605E+04	0.24763E+00	0.13431E+00	0.33258E-01	0.21008E+00

0.15606E+04	0.23924E+00	0.13419E+00	0.32103E-01	0.20278E+00
0.15607E+04	0.23101E+00	0.13408E+00	0.30973E-01	0.19564E+00
0.15608E+04	0.22295E+00	0.13396E+00	0.29867E-01	0.18866E+00
0.15609E+04	0.21505E+00	0.13385E+00	0.28784E-01	0.18182E+00
0.15610E+04	0.20730E+00	0.13374E+00	0.27724E-01	0.17512E+00
0.15611E+04	0.19972E+00	0.13362E+00	0.26687E-01	0.16857E+00
0.15612E+04	0.19231E+00	0.13351E+00	0.25674E-01	0.16217E+00
0.15613E+04	0.18508E+00	0.13339E+00	0.24689E-01	0.15595E+00
0.15614E+04	0.17805E+00	0.13328E+00	0.23730E-01	0.14989E+00
0.15615E+04	0.17123E+00	0.13316E+00	0.22802E-01	0.14403E+00
0.15616E+04	0.16464E+00	0.13305E+00	0.21905E-01	0.13837E+00
0.15617E+04	0.15827E+00	0.13293E+00	0.21039E-01	0.13290E+00
0.15618E+04	0.15212E+00	0.13281E+00	0.20204E-01	0.12762E+00
0.15619E+04	0.14618E+00	0.13270E+00	0.19398E-01	0.12253E+00
0.15620E+04	0.14042E+00	0.13258E+00	0.18617E-01	0.11760E+00
0.15621E+04	0.13484E+00	0.13251E+00	0.17868E-01	0.11286E+00
0.15622E+04	0.12943E+00	0.13245E+00	0.17143E-01	0.10829E+00
0.15623E+04	0.12419E+00	0.13239E+00	0.16442E-01	0.10386E+00
0.15624E+04	0.11912E+00	0.13233E+00	0.15763E-01	0.99570E-01
0.15625E+04	0.11424E+00	0.13228E+00	0.15111E-01	0.95451E-01
0.15626E+04	0.10955E+00	0.13223E+00	0.14485E-01	0.91498E-01
0.15627E+04	0.10503E+00	0.13218E+00	0.13882E-01	0.87687E-01
0.15628E+04	0.10067E+00	0.13212E+00	0.13302E-01	0.84020E-01
0.15629E+04	0.96487E-01	0.13207E+00	0.12743E-01	0.80495E-01
0.15630E+04	0.92448E-01	0.13202E+00	0.12205E-01	0.77096E-01
0.15631E+04	0.88560E-01	0.13197E+00	0.11687E-01	0.73823E-01
0.15632E+04	0.84817E-01	0.13192E+00	0.11189E-01	0.70674E-01
0.15633E+04	0.81215E-01	0.13186E+00	0.10709E-01	0.67644E-01
0.15634E+04	0.77757E-01	0.13181E+00	0.10249E-01	0.64737E-01
0.15635E+04	0.74443E-01	0.13175E+00	0.98079E-02	0.61952E-01
0.15636E+04	0.71286E-01	0.13170E+00	0.93881E-02	0.59301E-01
0.15637E+04	0.68279E-01	0.13164E+00	0.89883E-02	0.56775E-01
0.15638E+04	0.65406E-01	0.13159E+00	0.86064E-02	0.54363E-01
0.15639E+04	0.62657E-01	0.13153E+00	0.82413E-02	0.52057E-01
0.15640E+04	0.60037E-01	0.13148E+00	0.78937E-02	0.49861E-01
0.15641E+04	0.57522E-01	0.13149E+00	0.75635E-02	0.47775E-01
0.15642E+04	0.55105E-01	0.13149E+00	0.72460E-02	0.45770E-01
0.15643E+04	0.52791E-01	0.13150E+00	0.69420E-02	0.43850E-01
0.15644E+04	0.50591E-01	0.13150E+00	0.66527E-02	0.42022E-01
0.15645E+04	0.48507E-01	0.13148E+00	0.63779E-02	0.40286E-01
0.15646E+04	0.46539E-01	0.13147E+00	0.61183E-02	0.38647E-01
0.15647E+04	0.44660E-01	0.13145E+00	0.58706E-02	0.37082E-01
0.15648E+04	0.42888E-01	0.13143E+00	0.56369E-02	0.35606E-01

0.15649E+04	0.41198E-01	0.13142E+00	0.54141E-02	0.34199E-01
0.15650E+04	0.39587E-01	0.13140E+00	0.52018E-02	0.32857E-01
0.15651E+04	0.38042E-01	0.13138E+00	0.49979E-02	0.31570E-01
0.15652E+04	0.36562E-01	0.13136E+00	0.48028E-02	0.30337E-01
0.15653E+04	0.35148E-01	0.13134E+00	0.46163E-02	0.29159E-01
0.15654E+04	0.33790E-01	0.13132E+00	0.44372E-02	0.28028E-01
0.15655E+04	0.32465E-01	0.13130E+00	0.42625E-02	0.26925E-01
0.15656E+04	0.31180E-01	0.13128E+00	0.40932E-02	0.25855E-01
0.15657E+04	0.29930E-01	0.13126E+00	0.39286E-02	0.24815E-01
0.15658E+04	0.28728E-01	0.13124E+00	0.37701E-02	0.23814E-01
0.15659E+04	0.27575E-01	0.13122E+00	0.36183E-02	0.22855E-01
0.15660E+04	0.26475E-01	0.13120E+00	0.34734E-02	0.21940E-01
0.15661E+04	0.25428E-01	0.13124E+00	0.33372E-02	0.21079E-01
0.15662E+04	0.24453E-01	0.13128E+00	0.32102E-02	0.20277E-01
0.15663E+04	0.23535E-01	0.13132E+00	0.30907E-02	0.19523E-01
0.15664E+04	0.22689E-01	0.13130E+00	0.29791E-02	0.18818E-01
0.15665E+04	0.21890E-01	0.13129E+00	0.28739E-02	0.18153E-01
0.15666E+04	0.21132E-01	0.13127E+00	0.27740E-02	0.17522E-01
0.15667E+04	0.20389E-01	0.13125E+00	0.26760E-02	0.16903E-01
0.15668E+04	0.19668E-01	0.13123E+00	0.25811E-02	0.16304E-01
0.15669E+04	0.18974E-01	0.13121E+00	0.24896E-02	0.15726E-01
0.15670E+04	0.18306E-01	0.13119E+00	0.24017E-02	0.15170E-01
0.15671E+04	0.17651E-01	0.13117E+00	0.23154E-02	0.14625E-01
0.15672E+04	0.17009E-01	0.13115E+00	0.22308E-02	0.14091E-01
0.15673E+04	0.16385E-01	0.13113E+00	0.21486E-02	0.13572E-01
0.15674E+04	0.15796E-01	0.13111E+00	0.20711E-02	0.13082E-01
0.15675E+04	0.15223E-01	0.13109E+00	0.19955E-02	0.12605E-01
0.15676E+04	0.14678E-01	0.13107E+00	0.19237E-02	0.12151E-01
0.15677E+04	0.14165E-01	0.13105E+00	0.18563E-02	0.11725E-01
0.15678E+04	0.13680E-01	0.13103E+00	0.17924E-02	0.11322E-01
0.15679E+04	0.13199E-01	0.13100E+00	0.17291E-02	0.10922E-01
0.15680E+04	0.12724E-01	0.13099E+00	0.16667E-02	0.10528E-01
0.15681E+04	0.12257E-01	0.13103E+00	0.16061E-02	0.10145E-01
0.15682E+04	0.11806E-01	0.13107E+00	0.15473E-02	0.97739E-02
0.15683E+04	0.11368E-01	0.13107E+00	0.14901E-02	0.94120E-02
0.15684E+04	0.10956E-01	0.13106E+00	0.14358E-02	0.90692E-02
0.15685E+04	0.10566E-01	0.13104E+00	0.13846E-02	0.87461E-02
0.15686E+04	0.10199E-01	0.13103E+00	0.13363E-02	0.84409E-02
0.15687E+04	0.98305E-02	0.13101E+00	0.12879E-02	0.81353E-02
0.15688E+04	0.94697E-02	0.13100E+00	0.12405E-02	0.78359E-02
0.15689E+04	0.91115E-02	0.13099E+00	0.11935E-02	0.75387E-02
0.15690E+04	0.87534E-02	0.13097E+00	0.11465E-02	0.72417E-02
0.15691E+04	0.84004E-02	0.13096E+00	0.11001E-02	0.69487E-02

0.15692E+04	0.80612E-02	0.13094E+00	0.10555E-02	0.66674E-02
0.15693E+04	0.77319E-02	0.13092E+00	0.10123E-02	0.63942E-02
0.15694E+04	0.74274E-02	0.13091E+00	0.97230E-03	0.61416E-02
0.15695E+04	0.71452E-02	0.13089E+00	0.93525E-03	0.59076E-02
0.15696E+04	0.68785E-02	0.13088E+00	0.90023E-03	0.56864E-02
0.15697E+04	0.66217E-02	0.13086E+00	0.86651E-03	0.54734E-02
0.15698E+04	0.63819E-02	0.13084E+00	0.83502E-03	0.52745E-02
0.15699E+04	0.61524E-02	0.13083E+00	0.80489E-03	0.50842E-02
0.15700E+04	0.59328E-02	0.13081E+00	0.77607E-03	0.49021E-02
0.15701E+04	0.57233E-02	0.13084E+00	0.74885E-03	0.47302E-02
0.15702E+04	0.55252E-02	0.13088E+00	0.72313E-03	0.45677E-02
0.15703E+04	0.53399E-02	0.13091E+00	0.69905E-03	0.44156E-02
0.15704E+04	0.51708E-02	0.13094E+00	0.67707E-03	0.42768E-02
0.15705E+04	0.50103E-02	0.13097E+00	0.65621E-03	0.41450E-02
0.15706E+04	0.48590E-02	0.13100E+00	0.63654E-03	0.40208E-02
0.15707E+04	0.47156E-02	0.13103E+00	0.61789E-03	0.39029E-02
0.15708E+04	0.45781E-02	0.13106E+00	0.60001E-03	0.37900E-02
0.15709E+04	0.44566E-02	0.13109E+00	0.58422E-03	0.36903E-02
0.15710E+04	0.43543E-02	0.13112E+00	0.57093E-03	0.36063E-02
0.15711E+04	0.42583E-02	0.13115E+00	0.55846E-03	0.35275E-02
0.15712E+04	0.41637E-02	0.13117E+00	0.54616E-03	0.34499E-02
0.15713E+04	0.40683E-02	0.13120E+00	0.53376E-03	0.33715E-02
0.15714E+04	0.39696E-02	0.13123E+00	0.52093E-03	0.32905E-02
0.15715E+04	0.38688E-02	0.13126E+00	0.50780E-03	0.32076E-02
0.15716E+04	0.37645E-02	0.13128E+00	0.49420E-03	0.31217E-02
0.15717E+04	0.36536E-02	0.13131E+00	0.47974E-03	0.30303E-02
0.15718E+04	0.35334E-02	0.13133E+00	0.46404E-03	0.29312E-02
0.15719E+04	0.34082E-02	0.13136E+00	0.44770E-03	0.28279E-02
0.15720E+04	0.32783E-02	0.13138E+00	0.43071E-03	0.27206E-02
0.15721E+04	0.31478E-02	0.13146E+00	0.41381E-03	0.26138E-02
0.15722E+04	0.30174E-02	0.13156E+00	0.39699E-03	0.25076E-02
0.15723E+04	0.29006E-02	0.13167E+00	0.38191E-03	0.24124E-02
0.15724E+04	0.28026E-02	0.13177E+00	0.36930E-03	0.23327E-02
0.15725E+04	0.27176E-02	0.13187E+00	0.35839E-03	0.22638E-02
0.15726E+04	0.26448E-02	0.13198E+00	0.34905E-03	0.22048E-02
0.15727E+04	0.25779E-02	0.13208E+00	0.34049E-03	0.21507E-02
0.15728E+04	0.25149E-02	0.13218E+00	0.33243E-03	0.20998E-02
0.15729E+04	0.24467E-02	0.13228E+00	0.32367E-03	0.20445E-02
0.15730E+04	0.23692E-02	0.13239E+00	0.31364E-03	0.19811E-02
0.15731E+04	0.22808E-02	0.13249E+00	0.30218E-03	0.19087E-02
0.15732E+04	0.21796E-02	0.13258E+00	0.28899E-03	0.18254E-02
0.15733E+04	0.20802E-02	0.13268E+00	0.27600E-03	0.17434E-02
0.15734E+04	0.19870E-02	0.13278E+00	0.26384E-03	0.16665E-02

0.15735E+04	0.18974E-02	0.13288E+00	0.25213E-03	0.15926E-02
0.15736E+04	0.18108E-02	0.13298E+00	0.24079E-03	0.15210E-02
0.15737E+04	0.17275E-02	0.13307E+00	0.22988E-03	0.14521E-02
0.15738E+04	0.16477E-02	0.13317E+00	0.21943E-03	0.13861E-02
0.15739E+04	0.15730E-02	0.13327E+00	0.20963E-03	0.13242E-02
0.15740E+04	0.15039E-02	0.13337E+00	0.20058E-03	0.12670E-02
0.15741E+04	0.14288E-02	0.13352E+00	0.19078E-03	0.12051E-02
0.15742E+04	0.13429E-02	0.13369E+00	0.17954E-03	0.11341E-02
0.15743E+04	0.12564E-02	0.13385E+00	0.16818E-03	0.10623E-02
0.15744E+04	0.11722E-02	0.13402E+00	0.15710E-03	0.99233E-03
0.15745E+04	0.10969E-02	0.13418E+00	0.14719E-03	0.92971E-03
0.15746E+04	0.10335E-02	0.13435E+00	0.13884E-03	0.87702E-03
0.15747E+04	0.97970E-03	0.13451E+00	0.13178E-03	0.83239E-03
0.15748E+04	0.93573E-03	0.13467E+00	0.12602E-03	0.79599E-03
0.15749E+04	0.88587E-03	0.13483E+00	0.11944E-03	0.75448E-03
0.15750E+04	0.82394E-03	0.13500E+00	0.11123E-03	0.70259E-03
0.15751E+04	0.76029E-03	0.13516E+00	0.10276E-03	0.64908E-03
0.15752E+04	0.69757E-03	0.13532E+00	0.94393E-04	0.59624E-03
0.15753E+04	0.63400E-03	0.13548E+00	0.85891E-04	0.54254E-03
0.15754E+04	0.56870E-03	0.13563E+00	0.77136E-04	0.48723E-03
0.15755E+04	0.50723E-03	0.13579E+00	0.68878E-04	0.43507E-03
0.15756E+04	0.45159E-03	0.13595E+00	0.61394E-04	0.38780E-03
0.15757E+04	0.39698E-03	0.13611E+00	0.54033E-04	0.34130E-03
0.15758E+04	0.34178E-03	0.13627E+00	0.46574E-04	0.29419E-03
0.15759E+04	0.29717E-03	0.13642E+00	0.40541E-04	0.25608E-03
0.15760E+04	0.26774E-03	0.13659E+00	0.36572E-04	0.23101E-03
0.15761E+04	0.24073E-03	0.13680E+00	0.32932E-04	0.20802E-03
0.15762E+04	0.21200E-03	0.13701E+00	0.29045E-04	0.18347E-03
0.15763E+04	0.18045E-03	0.13721E+00	0.24760E-04	0.15640E-03
0.15764E+04	0.14492E-03	0.13740E+00	0.19913E-04	0.12578E-03
0.15765E+04	0.10225E-03	0.13760E+00	0.14070E-04	0.88876E-04
0.15766E+04	0.50300E-04	0.13780E+00	0.69312E-05	0.43782E-04
0.15767E+04	0.45700E-05	0.13799E+00	0.63063E-06	0.39834E-05
0.15768E+04	0.00000E+00	0.13819E+00	0.00000E+00	0.00000E+00
Channel 13				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.21584E+04	0.00000E+00	0.27612E+00	0.00000E+00	0.00000E+00
0.21585E+04	0.44959E-04	0.27618E+00	0.12417E-04	0.69349E-04
0.21586E+04	0.10424E-03	0.27623E+00	0.28794E-04	0.16082E-03
0.21587E+04	0.16871E-03	0.27629E+00	0.46613E-04	0.26034E-03

0.21588E+04	0.23522E-03	0.27635E+00	0.65003E-04	0.36306E-03
0.21589E+04	0.30409E-03	0.27640E+00	0.84050E-04	0.46944E-03
0.21590E+04	0.37448E-03	0.27646E+00	0.10353E-03	0.57822E-03
0.21591E+04	0.44652E-03	0.27652E+00	0.12347E-03	0.68961E-03
0.21592E+04	0.52599E-03	0.27657E+00	0.14547E-03	0.81250E-03
0.21593E+04	0.60792E-03	0.27663E+00	0.16817E-03	0.93925E-03
0.21594E+04	0.69246E-03	0.27669E+00	0.19159E-03	0.10701E-02
0.21595E+04	0.77827E-03	0.27674E+00	0.21538E-03	0.12030E-02
0.21596E+04	0.86668E-03	0.27680E+00	0.23990E-03	0.13399E-02
0.21597E+04	0.95661E-03	0.27686E+00	0.26485E-03	0.14793E-02
0.21598E+04	0.10478E-02	0.27692E+00	0.29017E-03	0.16207E-02
0.21599E+04	0.11426E-02	0.27698E+00	0.31649E-03	0.17677E-02
0.21600E+04	0.12392E-02	0.27704E+00	0.34332E-03	0.19175E-02
0.21601E+04	0.13361E-02	0.27709E+00	0.37021E-03	0.20677E-02
0.21602E+04	0.14331E-02	0.27714E+00	0.39716E-03	0.22182E-02
0.21603E+04	0.15301E-02	0.27718E+00	0.42413E-03	0.23689E-02
0.21604E+04	0.16278E-02	0.27723E+00	0.45127E-03	0.25205E-02
0.21605E+04	0.17280E-02	0.27728E+00	0.47912E-03	0.26760E-02
0.21606E+04	0.18295E-02	0.27732E+00	0.50737E-03	0.28337E-02
0.21607E+04	0.19322E-02	0.27737E+00	0.53594E-03	0.29933E-02
0.21608E+04	0.20354E-02	0.27742E+00	0.56465E-03	0.31537E-02
0.21609E+04	0.21427E-02	0.27746E+00	0.59452E-03	0.33205E-02
0.21610E+04	0.22506E-02	0.27751E+00	0.62457E-03	0.34884E-02
0.21611E+04	0.23589E-02	0.27756E+00	0.65473E-03	0.36568E-02
0.21612E+04	0.24685E-02	0.27761E+00	0.68528E-03	0.38274E-02
0.21613E+04	0.25788E-02	0.27765E+00	0.71602E-03	0.39991E-02
0.21614E+04	0.26919E-02	0.27770E+00	0.74754E-03	0.41752E-02
0.21615E+04	0.28125E-02	0.27775E+00	0.78117E-03	0.43630E-02
0.21616E+04	0.29345E-02	0.27779E+00	0.81519E-03	0.45530E-02
0.21617E+04	0.30568E-02	0.27784E+00	0.84929E-03	0.47435E-02
0.21618E+04	0.31815E-02	0.27788E+00	0.88409E-03	0.49378E-02
0.21619E+04	0.33065E-02	0.27793E+00	0.91897E-03	0.51326E-02
0.21620E+04	0.34367E-02	0.27797E+00	0.95531E-03	0.53356E-02
0.21621E+04	0.35759E-02	0.27801E+00	0.99414E-03	0.55525E-02
0.21622E+04	0.37159E-02	0.27804E+00	0.10332E-02	0.57706E-02
0.21623E+04	0.38615E-02	0.27808E+00	0.10738E-02	0.59974E-02
0.21624E+04	0.40203E-02	0.27811E+00	0.11181E-02	0.62448E-02
0.21625E+04	0.41836E-02	0.27814E+00	0.11636E-02	0.64992E-02
0.21626E+04	0.43508E-02	0.27817E+00	0.12103E-02	0.67597E-02
0.21627E+04	0.45298E-02	0.27821E+00	0.12602E-02	0.70386E-02
0.21628E+04	0.47174E-02	0.27824E+00	0.13125E-02	0.73308E-02
0.21629E+04	0.49183E-02	0.27827E+00	0.13686E-02	0.76440E-02
0.21630E+04	0.51580E-02	0.27830E+00	0.14355E-02	0.80174E-02

0.21631E+04	0.54001E-02	0.27833E+00	0.15030E-02	0.83946E-02
0.21632E+04	0.56442E-02	0.27836E+00	0.15711E-02	0.87752E-02
0.21633E+04	0.58930E-02	0.27840E+00	0.16406E-02	0.91629E-02
0.21634E+04	0.61439E-02	0.27843E+00	0.17106E-02	0.95542E-02
0.21635E+04	0.64161E-02	0.27846E+00	0.17866E-02	0.99787E-02
0.21636E+04	0.66907E-02	0.27849E+00	0.18633E-02	0.10407E-01
0.21637E+04	0.69668E-02	0.27853E+00	0.19404E-02	0.10838E-01
0.21638E+04	0.72653E-02	0.27856E+00	0.20238E-02	0.11303E-01
0.21639E+04	0.75686E-02	0.27859E+00	0.21086E-02	0.11777E-01
0.21640E+04	0.78723E-02	0.27863E+00	0.21935E-02	0.12251E-01
0.21641E+04	0.82110E-02	0.27868E+00	0.22882E-02	0.12780E-01
0.21642E+04	0.85609E-02	0.27872E+00	0.23861E-02	0.13327E-01
0.21643E+04	0.89279E-02	0.27877E+00	0.24888E-02	0.13901E-01
0.21644E+04	0.92994E-02	0.27882E+00	0.25928E-02	0.14482E-01
0.21645E+04	0.96764E-02	0.27886E+00	0.26984E-02	0.15071E-01
0.21646E+04	0.10055E-01	0.27892E+00	0.28044E-02	0.15663E-01
0.21647E+04	0.10438E-01	0.27897E+00	0.29120E-02	0.16264E-01
0.21648E+04	0.10824E-01	0.27902E+00	0.30200E-02	0.16867E-01
0.21649E+04	0.11217E-01	0.27907E+00	0.31305E-02	0.17484E-01
0.21650E+04	0.11617E-01	0.27912E+00	0.32426E-02	0.18110E-01
0.21651E+04	0.12017E-01	0.27919E+00	0.33550E-02	0.18738E-01
0.21652E+04	0.12424E-01	0.27925E+00	0.34695E-02	0.19378E-01
0.21653E+04	0.12841E-01	0.27932E+00	0.35866E-02	0.20032E-01
0.21654E+04	0.13264E-01	0.27938E+00	0.37059E-02	0.20698E-01
0.21655E+04	0.13691E-01	0.27945E+00	0.38260E-02	0.21369E-01
0.21656E+04	0.14122E-01	0.27951E+00	0.39472E-02	0.22046E-01
0.21657E+04	0.14553E-01	0.27957E+00	0.40685E-02	0.22723E-01
0.21658E+04	0.15031E-01	0.27963E+00	0.42033E-02	0.23476E-01
0.21659E+04	0.15575E-01	0.27970E+00	0.43563E-02	0.24331E-01
0.21660E+04	0.16169E-01	0.27976E+00	0.45234E-02	0.25264E-01
0.21661E+04	0.16753E-01	0.27982E+00	0.46877E-02	0.26182E-01
0.21662E+04	0.17327E-01	0.27988E+00	0.48495E-02	0.27085E-01
0.21663E+04	0.17898E-01	0.27995E+00	0.50106E-02	0.27985E-01
0.21664E+04	0.18430E-01	0.28001E+00	0.51606E-02	0.28823E-01
0.21665E+04	0.18948E-01	0.28007E+00	0.53069E-02	0.29640E-01
0.21666E+04	0.19484E-01	0.28013E+00	0.54582E-02	0.30485E-01
0.21667E+04	0.20070E-01	0.28019E+00	0.56236E-02	0.31409E-01
0.21668E+04	0.20669E-01	0.28025E+00	0.57925E-02	0.32352E-01
0.21669E+04	0.21279E-01	0.28032E+00	0.59648E-02	0.33314E-01
0.21670E+04	0.21962E-01	0.28038E+00	0.61578E-02	0.34392E-01
0.21671E+04	0.22672E-01	0.28043E+00	0.63580E-02	0.35511E-01
0.21672E+04	0.23393E-01	0.28049E+00	0.65616E-02	0.36648E-01
0.21673E+04	0.24143E-01	0.28055E+00	0.67734E-02	0.37831E-01

0.21674E+04	0.24917E-01	0.28061E+00	0.69921E-02	0.39052E-01
0.21675E+04	0.25779E-01	0.28067E+00	0.72352E-02	0.40410E-01
0.21676E+04	0.26736E-01	0.28072E+00	0.75054E-02	0.41919E-01
0.21677E+04	0.27782E-01	0.28078E+00	0.78007E-02	0.43568E-01
0.21678E+04	0.28925E-01	0.28084E+00	0.81232E-02	0.45370E-01
0.21679E+04	0.30110E-01	0.28089E+00	0.84578E-02	0.47238E-01
0.21680E+04	0.31334E-01	0.28095E+00	0.88032E-02	0.49168E-01
0.21681E+04	0.32608E-01	0.28101E+00	0.91633E-02	0.51179E-01
0.21682E+04	0.33947E-01	0.28107E+00	0.95415E-02	0.53291E-01
0.21683E+04	0.35372E-01	0.28113E+00	0.99443E-02	0.55541E-01
0.21684E+04	0.36892E-01	0.28119E+00	0.10374E-01	0.57940E-01
0.21685E+04	0.38504E-01	0.28125E+00	0.10829E-01	0.60483E-01
0.21686E+04	0.40171E-01	0.28131E+00	0.11301E-01	0.63116E-01
0.21687E+04	0.41901E-01	0.28138E+00	0.11790E-01	0.65849E-01
0.21688E+04	0.43698E-01	0.28144E+00	0.12298E-01	0.68688E-01
0.21689E+04	0.45551E-01	0.28150E+00	0.12823E-01	0.71617E-01
0.21690E+04	0.47452E-01	0.28156E+00	0.13361E-01	0.74623E-01
0.21691E+04	0.49400E-01	0.28163E+00	0.13913E-01	0.77705E-01
0.21692E+04	0.51422E-01	0.28170E+00	0.14485E-01	0.80904E-01
0.21693E+04	0.53571E-01	0.28176E+00	0.15094E-01	0.84305E-01
0.21694E+04	0.55844E-01	0.28183E+00	0.15738E-01	0.87903E-01
0.21695E+04	0.58210E-01	0.28189E+00	0.16409E-01	0.91649E-01
0.21696E+04	0.60652E-01	0.28197E+00	0.17102E-01	0.95517E-01
0.21697E+04	0.63160E-01	0.28204E+00	0.17813E-01	0.99491E-01
0.21698E+04	0.65732E-01	0.28211E+00	0.18543E-01	0.10357E+00
0.21699E+04	0.68407E-01	0.28218E+00	0.19303E-01	0.10781E+00
0.21700E+04	0.71193E-01	0.28225E+00	0.20094E-01	0.11223E+00
0.21701E+04	0.74096E-01	0.28232E+00	0.20919E-01	0.11684E+00
0.21702E+04	0.77106E-01	0.28239E+00	0.21774E-01	0.12161E+00
0.21703E+04	0.80215E-01	0.28246E+00	0.22658E-01	0.12655E+00
0.21704E+04	0.83417E-01	0.28254E+00	0.23568E-01	0.13163E+00
0.21705E+04	0.86706E-01	0.28261E+00	0.24504E-01	0.13686E+00
0.21706E+04	0.90068E-01	0.28268E+00	0.25461E-01	0.14220E+00
0.21707E+04	0.93542E-01	0.28276E+00	0.26450E-01	0.14773E+00
0.21708E+04	0.97116E-01	0.28283E+00	0.27468E-01	0.15341E+00
0.21709E+04	0.10080E+00	0.28291E+00	0.28517E-01	0.15927E+00
0.21710E+04	0.10462E+00	0.28298E+00	0.29606E-01	0.16535E+00
0.21711E+04	0.10859E+00	0.28306E+00	0.30738E-01	0.17168E+00
0.21712E+04	0.11270E+00	0.28314E+00	0.31910E-01	0.17822E+00
0.21713E+04	0.11691E+00	0.28321E+00	0.33110E-01	0.18493E+00
0.21714E+04	0.12117E+00	0.28329E+00	0.34325E-01	0.19171E+00
0.21715E+04	0.12552E+00	0.28337E+00	0.35569E-01	0.19866E+00
0.21716E+04	0.12999E+00	0.28344E+00	0.36845E-01	0.20579E+00

0.21717E+04	0.13462E+00	0.28352E+00	0.38167E-01	0.21317E+00
0.21718E+04	0.13943E+00	0.28360E+00	0.39543E-01	0.22086E+00
0.21719E+04	0.14442E+00	0.28367E+00	0.40967E-01	0.22881E+00
0.21720E+04	0.14954E+00	0.28375E+00	0.42431E-01	0.23699E+00
0.21721E+04	0.15482E+00	0.28382E+00	0.43941E-01	0.24542E+00
0.21722E+04	0.16024E+00	0.28389E+00	0.45492E-01	0.25408E+00
0.21723E+04	0.16579E+00	0.28397E+00	0.47080E-01	0.26295E+00
0.21724E+04	0.17147E+00	0.28404E+00	0.48703E-01	0.27202E+00
0.21725E+04	0.17726E+00	0.28411E+00	0.50361E-01	0.28128E+00
0.21726E+04	0.18317E+00	0.28419E+00	0.52054E-01	0.29073E+00
0.21727E+04	0.18915E+00	0.28426E+00	0.53766E-01	0.30030E+00
0.21728E+04	0.19517E+00	0.28433E+00	0.55492E-01	0.30993E+00
0.21729E+04	0.20124E+00	0.28440E+00	0.57234E-01	0.31966E+00
0.21730E+04	0.20735E+00	0.28447E+00	0.58985E-01	0.32944E+00
0.21731E+04	0.21346E+00	0.28455E+00	0.60738E-01	0.33924E+00
0.21732E+04	0.21958E+00	0.28462E+00	0.62497E-01	0.34906E+00
0.21733E+04	0.22578E+00	0.28469E+00	0.64279E-01	0.35901E+00
0.21734E+04	0.23208E+00	0.28477E+00	0.66088E-01	0.36912E+00
0.21735E+04	0.23840E+00	0.28484E+00	0.67907E-01	0.37927E+00
0.21736E+04	0.24474E+00	0.28491E+00	0.69731E-01	0.38946E+00
0.21737E+04	0.25109E+00	0.28499E+00	0.71559E-01	0.39967E+00
0.21738E+04	0.25746E+00	0.28506E+00	0.73392E-01	0.40991E+00
0.21739E+04	0.26382E+00	0.28514E+00	0.75226E-01	0.42015E+00
0.21740E+04	0.27019E+00	0.28521E+00	0.77061E-01	0.43040E+00
0.21741E+04	0.27655E+00	0.28529E+00	0.78898E-01	0.44066E+00
0.21742E+04	0.28291E+00	0.28537E+00	0.80733E-01	0.45091E+00
0.21743E+04	0.28925E+00	0.28545E+00	0.82565E-01	0.46115E+00
0.21744E+04	0.29559E+00	0.28553E+00	0.84398E-01	0.47138E+00
0.21745E+04	0.30192E+00	0.28561E+00	0.86231E-01	0.48162E+00
0.21746E+04	0.30826E+00	0.28569E+00	0.88066E-01	0.49187E+00
0.21747E+04	0.31458E+00	0.28577E+00	0.89896E-01	0.50209E+00
0.21748E+04	0.32084E+00	0.28585E+00	0.91713E-01	0.51223E+00
0.21749E+04	0.32704E+00	0.28593E+00	0.93510E-01	0.52227E+00
0.21750E+04	0.33316E+00	0.28601E+00	0.95287E-01	0.53220E+00
0.21751E+04	0.33924E+00	0.28609E+00	0.97054E-01	0.54207E+00
0.21752E+04	0.34531E+00	0.28617E+00	0.98817E-01	0.55191E+00
0.21753E+04	0.35133E+00	0.28625E+00	0.10057E+00	0.56170E+00
0.21754E+04	0.35730E+00	0.28633E+00	0.10231E+00	0.57140E+00
0.21755E+04	0.36322E+00	0.28641E+00	0.10403E+00	0.58102E+00
0.21756E+04	0.36907E+00	0.28648E+00	0.10573E+00	0.59054E+00
0.21757E+04	0.37484E+00	0.28656E+00	0.10741E+00	0.59993E+00
0.21758E+04	0.38050E+00	0.28664E+00	0.10907E+00	0.60916E+00
0.21759E+04	0.38607E+00	0.28671E+00	0.11069E+00	0.61824E+00

0.21760E+04	0.39157E+00	0.28679E+00	0.11230E+00	0.62721E+00
0.21761E+04	0.39700E+00	0.28688E+00	0.11389E+00	0.63612E+00
0.21762E+04	0.40236E+00	0.28698E+00	0.11547E+00	0.64491E+00
0.21763E+04	0.40765E+00	0.28707E+00	0.11702E+00	0.65360E+00
0.21764E+04	0.41286E+00	0.28716E+00	0.11856E+00	0.66217E+00
0.21765E+04	0.41799E+00	0.28725E+00	0.12007E+00	0.67060E+00
0.21766E+04	0.42301E+00	0.28734E+00	0.12154E+00	0.67885E+00
0.21767E+04	0.42793E+00	0.28742E+00	0.12300E+00	0.68696E+00
0.21768E+04	0.43277E+00	0.28751E+00	0.12442E+00	0.69494E+00
0.21769E+04	0.43753E+00	0.28759E+00	0.12583E+00	0.70279E+00
0.21770E+04	0.44221E+00	0.28768E+00	0.12721E+00	0.71050E+00
0.21771E+04	0.44679E+00	0.28775E+00	0.12857E+00	0.71807E+00
0.21772E+04	0.45128E+00	0.28783E+00	0.12989E+00	0.72547E+00
0.21773E+04	0.45568E+00	0.28791E+00	0.13119E+00	0.73275E+00
0.21774E+04	0.45999E+00	0.28799E+00	0.13247E+00	0.73989E+00
0.21775E+04	0.46418E+00	0.28807E+00	0.13372E+00	0.74683E+00
0.21776E+04	0.46823E+00	0.28814E+00	0.13491E+00	0.75352E+00
0.21777E+04	0.47212E+00	0.28821E+00	0.13607E+00	0.75998E+00
0.21778E+04	0.47587E+00	0.28828E+00	0.13719E+00	0.76621E+00
0.21779E+04	0.47953E+00	0.28836E+00	0.13828E+00	0.77230E+00
0.21780E+04	0.48311E+00	0.28843E+00	0.13934E+00	0.77825E+00
0.21781E+04	0.48660E+00	0.28849E+00	0.14038E+00	0.78405E+00
0.21782E+04	0.48999E+00	0.28855E+00	0.14139E+00	0.78967E+00
0.21783E+04	0.49326E+00	0.28861E+00	0.14236E+00	0.79509E+00
0.21784E+04	0.49639E+00	0.28866E+00	0.14329E+00	0.80030E+00
0.21785E+04	0.49942E+00	0.28872E+00	0.14419E+00	0.80536E+00
0.21786E+04	0.50236E+00	0.28878E+00	0.14507E+00	0.81026E+00
0.21787E+04	0.50523E+00	0.28884E+00	0.14593E+00	0.81505E+00
0.21788E+04	0.50802E+00	0.28890E+00	0.14677E+00	0.81972E+00
0.21789E+04	0.51073E+00	0.28895E+00	0.14758E+00	0.82425E+00
0.21790E+04	0.51338E+00	0.28901E+00	0.14837E+00	0.82869E+00
0.21791E+04	0.51594E+00	0.28907E+00	0.14914E+00	0.83300E+00
0.21792E+04	0.51844E+00	0.28913E+00	0.14989E+00	0.83719E+00
0.21793E+04	0.52085E+00	0.28919E+00	0.15062E+00	0.84125E+00
0.21794E+04	0.52315E+00	0.28924E+00	0.15132E+00	0.84514E+00
0.21795E+04	0.52538E+00	0.28930E+00	0.15199E+00	0.84890E+00
0.21796E+04	0.52753E+00	0.28936E+00	0.15265E+00	0.85256E+00
0.21797E+04	0.52962E+00	0.28942E+00	0.15328E+00	0.85610E+00
0.21798E+04	0.53168E+00	0.28948E+00	0.15391E+00	0.85961E+00
0.21799E+04	0.53370E+00	0.28953E+00	0.15452E+00	0.86305E+00
0.21800E+04	0.53568E+00	0.28959E+00	0.15513E+00	0.86641E+00
0.21801E+04	0.53764E+00	0.28962E+00	0.15571E+00	0.86968E+00
0.21802E+04	0.53960E+00	0.28965E+00	0.15630E+00	0.87295E+00

0.21803E+04	0.54153E+00	0.28969E+00	0.15687E+00	0.87618E+00
0.21804E+04	0.54345E+00	0.28972E+00	0.15745E+00	0.87938E+00
0.21805E+04	0.54533E+00	0.28975E+00	0.15801E+00	0.88252E+00
0.21806E+04	0.54714E+00	0.28979E+00	0.15856E+00	0.88556E+00
0.21807E+04	0.54891E+00	0.28982E+00	0.15909E+00	0.88853E+00
0.21808E+04	0.55065E+00	0.28985E+00	0.15961E+00	0.89144E+00
0.21809E+04	0.55236E+00	0.28989E+00	0.16012E+00	0.89431E+00
0.21810E+04	0.55407E+00	0.28992E+00	0.16064E+00	0.89719E+00
0.21811E+04	0.55578E+00	0.28995E+00	0.16115E+00	0.90005E+00
0.21812E+04	0.55747E+00	0.28999E+00	0.16166E+00	0.90290E+00
0.21813E+04	0.55919E+00	0.29002E+00	0.16217E+00	0.90578E+00
0.21814E+04	0.56094E+00	0.29005E+00	0.16270E+00	0.90872E+00
0.21815E+04	0.56272E+00	0.29008E+00	0.16324E+00	0.91171E+00
0.21816E+04	0.56450E+00	0.29011E+00	0.16377E+00	0.91469E+00
0.21817E+04	0.56625E+00	0.29015E+00	0.16429E+00	0.91761E+00
0.21818E+04	0.56794E+00	0.29018E+00	0.16480E+00	0.92045E+00
0.21819E+04	0.56960E+00	0.29021E+00	0.16530E+00	0.92325E+00
0.21820E+04	0.57126E+00	0.29024E+00	0.16580E+00	0.92605E+00
0.21821E+04	0.57291E+00	0.29029E+00	0.16631E+00	0.92888E+00
0.21822E+04	0.57452E+00	0.29035E+00	0.16681E+00	0.93166E+00
0.21823E+04	0.57612E+00	0.29040E+00	0.16730E+00	0.93442E+00
0.21824E+04	0.57769E+00	0.29045E+00	0.16779E+00	0.93714E+00
0.21825E+04	0.57923E+00	0.29050E+00	0.16827E+00	0.93980E+00
0.21826E+04	0.58077E+00	0.29055E+00	0.16874E+00	0.94247E+00
0.21827E+04	0.58231E+00	0.29060E+00	0.16922E+00	0.94513E+00
0.21828E+04	0.58381E+00	0.29066E+00	0.16969E+00	0.94773E+00
0.21829E+04	0.58527E+00	0.29071E+00	0.17014E+00	0.95028E+00
0.21830E+04	0.58671E+00	0.29076E+00	0.17059E+00	0.95279E+00
0.21831E+04	0.58816E+00	0.29081E+00	0.17105E+00	0.95532E+00
0.21832E+04	0.58965E+00	0.29087E+00	0.17151E+00	0.95792E+00
0.21833E+04	0.59114E+00	0.29092E+00	0.17198E+00	0.96052E+00
0.21834E+04	0.59259E+00	0.29098E+00	0.17243E+00	0.96306E+00
0.21835E+04	0.59399E+00	0.29103E+00	0.17287E+00	0.96552E+00
0.21836E+04	0.59531E+00	0.29109E+00	0.17329E+00	0.96786E+00
0.21837E+04	0.59657E+00	0.29115E+00	0.17369E+00	0.97010E+00
0.21838E+04	0.59781E+00	0.29121E+00	0.17409E+00	0.97232E+00
0.21839E+04	0.59903E+00	0.29127E+00	0.17448E+00	0.97449E+00
0.21840E+04	0.60021E+00	0.29132E+00	0.17485E+00	0.97659E+00
0.21841E+04	0.60136E+00	0.29137E+00	0.17522E+00	0.97861E+00
0.21842E+04	0.60249E+00	0.29141E+00	0.17557E+00	0.98061E+00
0.21843E+04	0.60359E+00	0.29146E+00	0.17592E+00	0.98256E+00
0.21844E+04	0.60466E+00	0.29150E+00	0.17626E+00	0.98445E+00
0.21845E+04	0.60565E+00	0.29155E+00	0.17658E+00	0.98622E+00

0.21846E+04	0.60655E+00	0.29160E+00	0.17687E+00	0.98786E+00
0.21847E+04	0.60738E+00	0.29165E+00	0.17714E+00	0.98938E+00
0.21848E+04	0.60814E+00	0.29170E+00	0.17739E+00	0.99078E+00
0.21849E+04	0.60884E+00	0.29175E+00	0.17763E+00	0.99208E+00
0.21850E+04	0.60947E+00	0.29180E+00	0.17784E+00	0.99328E+00
0.21851E+04	0.61004E+00	0.29183E+00	0.17803E+00	0.99433E+00
0.21852E+04	0.61058E+00	0.29186E+00	0.17821E+00	0.99533E+00
0.21853E+04	0.61110E+00	0.29190E+00	0.17838E+00	0.99629E+00
0.21854E+04	0.61159E+00	0.29193E+00	0.17855E+00	0.99721E+00
0.21855E+04	0.61203E+00	0.29197E+00	0.17869E+00	0.99804E+00
0.21856E+04	0.61239E+00	0.29200E+00	0.17882E+00	0.99875E+00
0.21857E+04	0.61266E+00	0.29204E+00	0.17892E+00	0.99930E+00
0.21858E+04	0.61280E+00	0.29207E+00	0.17898E+00	0.99965E+00
0.21859E+04	0.61286E+00	0.29210E+00	0.17902E+00	0.99986E+00
0.21860E+04	0.61286E+00	0.29214E+00	0.17904E+00	0.99997E+00
0.21861E+04	0.61282E+00	0.29217E+00	0.17904E+00	0.10000E+01
0.21862E+04	0.61272E+00	0.29219E+00	0.17903E+00	0.99993E+00
0.21863E+04	0.61253E+00	0.29223E+00	0.17900E+00	0.99977E+00
0.21864E+04	0.61230E+00	0.29229E+00	0.17897E+00	0.99958E+00
0.21865E+04	0.61202E+00	0.29234E+00	0.17892E+00	0.99931E+00
0.21866E+04	0.61170E+00	0.29239E+00	0.17886E+00	0.99895E+00
0.21867E+04	0.61129E+00	0.29244E+00	0.17877E+00	0.99846E+00
0.21868E+04	0.61078E+00	0.29249E+00	0.17865E+00	0.99779E+00
0.21869E+04	0.61015E+00	0.29254E+00	0.17850E+00	0.99693E+00
0.21870E+04	0.60944E+00	0.29259E+00	0.17832E+00	0.99593E+00
0.21871E+04	0.60865E+00	0.29264E+00	0.17812E+00	0.99481E+00
0.21872E+04	0.60783E+00	0.29268E+00	0.17790E+00	0.99362E+00
0.21873E+04	0.60696E+00	0.29273E+00	0.17767E+00	0.99235E+00
0.21874E+04	0.60600E+00	0.29277E+00	0.17742E+00	0.99094E+00
0.21875E+04	0.60496E+00	0.29282E+00	0.17715E+00	0.98939E+00
0.21876E+04	0.60387E+00	0.29286E+00	0.17685E+00	0.98775E+00
0.21877E+04	0.60273E+00	0.29291E+00	0.17654E+00	0.98603E+00
0.21878E+04	0.60156E+00	0.29295E+00	0.17623E+00	0.98428E+00
0.21879E+04	0.60034E+00	0.29300E+00	0.17590E+00	0.98242E+00
0.21880E+04	0.59903E+00	0.29304E+00	0.17554E+00	0.98043E+00
0.21881E+04	0.59766E+00	0.29308E+00	0.17516E+00	0.97832E+00
0.21882E+04	0.59623E+00	0.29312E+00	0.17477E+00	0.97611E+00
0.21883E+04	0.59472E+00	0.29316E+00	0.17435E+00	0.97378E+00
0.21884E+04	0.59313E+00	0.29320E+00	0.17391E+00	0.97131E+00
0.21885E+04	0.59140E+00	0.29324E+00	0.17342E+00	0.96861E+00
0.21886E+04	0.58952E+00	0.29329E+00	0.17290E+00	0.96568E+00
0.21887E+04	0.58753E+00	0.29333E+00	0.17234E+00	0.96255E+00
0.21888E+04	0.58546E+00	0.29337E+00	0.17176E+00	0.95931E+00

0.21889E+04	0.58335E+00	0.29342E+00	0.17117E+00	0.95600E+00
0.21890E+04	0.58123E+00	0.29346E+00	0.17057E+00	0.95267E+00
0.21891E+04	0.57905E+00	0.29351E+00	0.16996E+00	0.94925E+00
0.21892E+04	0.57681E+00	0.29356E+00	0.16933E+00	0.94573E+00
0.21893E+04	0.57452E+00	0.29361E+00	0.16868E+00	0.94213E+00
0.21894E+04	0.57217E+00	0.29365E+00	0.16802E+00	0.93842E+00
0.21895E+04	0.56974E+00	0.29370E+00	0.16733E+00	0.93459E+00
0.21896E+04	0.56720E+00	0.29375E+00	0.16662E+00	0.93058E+00
0.21897E+04	0.56451E+00	0.29380E+00	0.16585E+00	0.92633E+00
0.21898E+04	0.56169E+00	0.29385E+00	0.16505E+00	0.92186E+00
0.21899E+04	0.55876E+00	0.29390E+00	0.16422E+00	0.91721E+00
0.21900E+04	0.55576E+00	0.29395E+00	0.16337E+00	0.91244E+00
0.21901E+04	0.55271E+00	0.29401E+00	0.16250E+00	0.90759E+00
0.21902E+04	0.54958E+00	0.29406E+00	0.16161E+00	0.90262E+00
0.21903E+04	0.54635E+00	0.29411E+00	0.16069E+00	0.89747E+00
0.21904E+04	0.54300E+00	0.29416E+00	0.15973E+00	0.89212E+00
0.21905E+04	0.53954E+00	0.29421E+00	0.15874E+00	0.88660E+00
0.21906E+04	0.53602E+00	0.29426E+00	0.15773E+00	0.88095E+00
0.21907E+04	0.53240E+00	0.29431E+00	0.15669E+00	0.87515E+00
0.21908E+04	0.52872E+00	0.29435E+00	0.15563E+00	0.86923E+00
0.21909E+04	0.52494E+00	0.29440E+00	0.15454E+00	0.86315E+00
0.21910E+04	0.52107E+00	0.29445E+00	0.15343E+00	0.85693E+00
0.21911E+04	0.51709E+00	0.29449E+00	0.15228E+00	0.85050E+00
0.21912E+04	0.51298E+00	0.29453E+00	0.15109E+00	0.84385E+00
0.21913E+04	0.50873E+00	0.29457E+00	0.14986E+00	0.83697E+00
0.21914E+04	0.50432E+00	0.29461E+00	0.14858E+00	0.82983E+00
0.21915E+04	0.49981E+00	0.29464E+00	0.14727E+00	0.82251E+00
0.21916E+04	0.49523E+00	0.29467E+00	0.14593E+00	0.81506E+00
0.21917E+04	0.49058E+00	0.29470E+00	0.14457E+00	0.80748E+00
0.21918E+04	0.48588E+00	0.29473E+00	0.14320E+00	0.79981E+00
0.21919E+04	0.48111E+00	0.29476E+00	0.14181E+00	0.79205E+00
0.21920E+04	0.47626E+00	0.29479E+00	0.14040E+00	0.78414E+00
0.21921E+04	0.47131E+00	0.29482E+00	0.13895E+00	0.77609E+00
0.21922E+04	0.46629E+00	0.29486E+00	0.13749E+00	0.76791E+00
0.21923E+04	0.46121E+00	0.29489E+00	0.13601E+00	0.75964E+00
0.21924E+04	0.45608E+00	0.29492E+00	0.13451E+00	0.75125E+00
0.21925E+04	0.45087E+00	0.29495E+00	0.13298E+00	0.74274E+00
0.21926E+04	0.44558E+00	0.29497E+00	0.13143E+00	0.73407E+00
0.21927E+04	0.44025E+00	0.29499E+00	0.12987E+00	0.72534E+00
0.21928E+04	0.43490E+00	0.29501E+00	0.12830E+00	0.71658E+00
0.21929E+04	0.42949E+00	0.29503E+00	0.12671E+00	0.70772E+00
0.21930E+04	0.42400E+00	0.29505E+00	0.12510E+00	0.69872E+00
0.21931E+04	0.41841E+00	0.29507E+00	0.12346E+00	0.68955E+00

0.21932E+04	0.41270E+00	0.29509E+00	0.12178E+00	0.68018E+00
0.21933E+04	0.40692E+00	0.29511E+00	0.12008E+00	0.67069E+00
0.21934E+04	0.40108E+00	0.29512E+00	0.11837E+00	0.66110E+00
0.21935E+04	0.39518E+00	0.29514E+00	0.11663E+00	0.65142E+00
0.21936E+04	0.38921E+00	0.29516E+00	0.11488E+00	0.64163E+00
0.21937E+04	0.38316E+00	0.29518E+00	0.11310E+00	0.63170E+00
0.21938E+04	0.37702E+00	0.29520E+00	0.11130E+00	0.62163E+00
0.21939E+04	0.37087E+00	0.29523E+00	0.10949E+00	0.61153E+00
0.21940E+04	0.36473E+00	0.29525E+00	0.10769E+00	0.60145E+00
0.21941E+04	0.35862E+00	0.29527E+00	0.10589E+00	0.59142E+00
0.21942E+04	0.35253E+00	0.29530E+00	0.10410E+00	0.58144E+00
0.21943E+04	0.34645E+00	0.29533E+00	0.10232E+00	0.57145E+00
0.21944E+04	0.34034E+00	0.29536E+00	0.10052E+00	0.56144E+00
0.21945E+04	0.33424E+00	0.29538E+00	0.98730E-01	0.55143E+00
0.21946E+04	0.32815E+00	0.29542E+00	0.96943E-01	0.54144E+00
0.21947E+04	0.32204E+00	0.29546E+00	0.95151E-01	0.53144E+00
0.21948E+04	0.31592E+00	0.29550E+00	0.93354E-01	0.52140E+00
0.21949E+04	0.30979E+00	0.29553E+00	0.91555E-01	0.51135E+00
0.21950E+04	0.30367E+00	0.29557E+00	0.89758E-01	0.50132E+00
0.21951E+04	0.29761E+00	0.29563E+00	0.87980E-01	0.49139E+00
0.21952E+04	0.29160E+00	0.29568E+00	0.86222E-01	0.48157E+00
0.21953E+04	0.28564E+00	0.29574E+00	0.84474E-01	0.47181E+00
0.21954E+04	0.27970E+00	0.29579E+00	0.82733E-01	0.46208E+00
0.21955E+04	0.27377E+00	0.29585E+00	0.80995E-01	0.45237E+00
0.21956E+04	0.26786E+00	0.29591E+00	0.79262E-01	0.44269E+00
0.21957E+04	0.26195E+00	0.29597E+00	0.77530E-01	0.43302E+00
0.21958E+04	0.25605E+00	0.29604E+00	0.75800E-01	0.42336E+00
0.21959E+04	0.25015E+00	0.29610E+00	0.74069E-01	0.41369E+00
0.21960E+04	0.24425E+00	0.29616E+00	0.72337E-01	0.40402E+00
0.21961E+04	0.23840E+00	0.29622E+00	0.70618E-01	0.39441E+00
0.21962E+04	0.23262E+00	0.29627E+00	0.68919E-01	0.38493E+00
0.21963E+04	0.22693E+00	0.29632E+00	0.67246E-01	0.37558E+00
0.21964E+04	0.22135E+00	0.29638E+00	0.65604E-01	0.36641E+00
0.21965E+04	0.21583E+00	0.29643E+00	0.63978E-01	0.35733E+00
0.21966E+04	0.21035E+00	0.29649E+00	0.62365E-01	0.34832E+00
0.21967E+04	0.20492E+00	0.29654E+00	0.60767E-01	0.33939E+00
0.21968E+04	0.19953E+00	0.29660E+00	0.59181E-01	0.33054E+00
0.21969E+04	0.19422E+00	0.29665E+00	0.57615E-01	0.32179E+00
0.21970E+04	0.18898E+00	0.29670E+00	0.56071E-01	0.31317E+00
0.21971E+04	0.18382E+00	0.29676E+00	0.54551E-01	0.30468E+00
0.21972E+04	0.17877E+00	0.29681E+00	0.53061E-01	0.29636E+00
0.21973E+04	0.17380E+00	0.29686E+00	0.51594E-01	0.28816E+00
0.21974E+04	0.16891E+00	0.29691E+00	0.50151E-01	0.28010E+00

0.21975E+04	0.16405E+00	0.29697E+00	0.48718E-01	0.27210E+00
0.21976E+04	0.15921E+00	0.29702E+00	0.47286E-01	0.26410E+00
0.21977E+04	0.15437E+00	0.29706E+00	0.45858E-01	0.25613E+00
0.21978E+04	0.14956E+00	0.29711E+00	0.44437E-01	0.24819E+00
0.21979E+04	0.14485E+00	0.29716E+00	0.43045E-01	0.24041E+00
0.21980E+04	0.14029E+00	0.29721E+00	0.41696E-01	0.23288E+00
0.21981E+04	0.13584E+00	0.29726E+00	0.40380E-01	0.22553E+00
0.21982E+04	0.13152E+00	0.29730E+00	0.39101E-01	0.21838E+00
0.21983E+04	0.12728E+00	0.29734E+00	0.37846E-01	0.21138E+00
0.21984E+04	0.12311E+00	0.29739E+00	0.36611E-01	0.20448E+00
0.21985E+04	0.11903E+00	0.29743E+00	0.35405E-01	0.19774E+00
0.21986E+04	0.11509E+00	0.29747E+00	0.34237E-01	0.19122E+00
0.21987E+04	0.11127E+00	0.29752E+00	0.33105E-01	0.18490E+00
0.21988E+04	0.10756E+00	0.29756E+00	0.32006E-01	0.17876E+00
0.21989E+04	0.10398E+00	0.29761E+00	0.30944E-01	0.17283E+00
0.21990E+04	0.10053E+00	0.29765E+00	0.29924E-01	0.16713E+00
0.21991E+04	0.97239E-01	0.29770E+00	0.28948E-01	0.16168E+00
0.21992E+04	0.94074E-01	0.29774E+00	0.28010E-01	0.15644E+00
0.21993E+04	0.91013E-01	0.29779E+00	0.27103E-01	0.15137E+00
0.21994E+04	0.88054E-01	0.29783E+00	0.26225E-01	0.14647E+00
0.21995E+04	0.85169E-01	0.29788E+00	0.25370E-01	0.14170E+00
0.21996E+04	0.82326E-01	0.29793E+00	0.24527E-01	0.13699E+00
0.21997E+04	0.79548E-01	0.29798E+00	0.23704E-01	0.13239E+00
0.21998E+04	0.76817E-01	0.29803E+00	0.22894E-01	0.12787E+00
0.21999E+04	0.74119E-01	0.29808E+00	0.22093E-01	0.12339E+00
0.22000E+04	0.71427E-01	0.29813E+00	0.21295E-01	0.11893E+00
0.22001E+04	0.68777E-01	0.29823E+00	0.20511E-01	0.11456E+00
0.22002E+04	0.66196E-01	0.29833E+00	0.19748E-01	0.11030E+00
0.22003E+04	0.63714E-01	0.29843E+00	0.19014E-01	0.10620E+00
0.22004E+04	0.61335E-01	0.29853E+00	0.18310E-01	0.10227E+00
0.22005E+04	0.59038E-01	0.29862E+00	0.17630E-01	0.98468E-01
0.22006E+04	0.56796E-01	0.29872E+00	0.16966E-01	0.94761E-01
0.22007E+04	0.54617E-01	0.29882E+00	0.16321E-01	0.91155E-01
0.22008E+04	0.52521E-01	0.29892E+00	0.15700E-01	0.87686E-01
0.22009E+04	0.50527E-01	0.29902E+00	0.15109E-01	0.84384E-01
0.22010E+04	0.48620E-01	0.29912E+00	0.14543E-01	0.81228E-01
0.22011E+04	0.46791E-01	0.29922E+00	0.14001E-01	0.78197E-01
0.22012E+04	0.45031E-01	0.29932E+00	0.13479E-01	0.75282E-01
0.22013E+04	0.43344E-01	0.29942E+00	0.12978E-01	0.72485E-01
0.22014E+04	0.41733E-01	0.29951E+00	0.12500E-01	0.69813E-01
0.22015E+04	0.40190E-01	0.29961E+00	0.12041E-01	0.67254E-01
0.22016E+04	0.38699E-01	0.29971E+00	0.11598E-01	0.64780E-01
0.22017E+04	0.37242E-01	0.29980E+00	0.11165E-01	0.62360E-01

0.22018E+04	0.35810E-01	0.29990E+00	0.10739E-01	0.59982E-01
0.22019E+04	0.34425E-01	0.29999E+00	0.10327E-01	0.57680E-01
0.22020E+04	0.33084E-01	0.30009E+00	0.99281E-02	0.55450E-01
0.22021E+04	0.31790E-01	0.30017E+00	0.95425E-02	0.53297E-01
0.22022E+04	0.30545E-01	0.30025E+00	0.91710E-02	0.51222E-01
0.22023E+04	0.29337E-01	0.30032E+00	0.88106E-02	0.49209E-01
0.22024E+04	0.28161E-01	0.30040E+00	0.84595E-02	0.47248E-01
0.22025E+04	0.27060E-01	0.30047E+00	0.81307E-02	0.45412E-01
0.22026E+04	0.26063E-01	0.30055E+00	0.78333E-02	0.43751E-01
0.22027E+04	0.25163E-01	0.30062E+00	0.75646E-02	0.42250E-01
0.22028E+04	0.24342E-01	0.30069E+00	0.73195E-02	0.40881E-01
0.22029E+04	0.23565E-01	0.30077E+00	0.70876E-02	0.39586E-01
0.22030E+04	0.22811E-01	0.30084E+00	0.68624E-02	0.38328E-01
0.22031E+04	0.22070E-01	0.30091E+00	0.66410E-02	0.37091E-01
0.22032E+04	0.21341E-01	0.30098E+00	0.64231E-02	0.35874E-01
0.22033E+04	0.20640E-01	0.30105E+00	0.62138E-02	0.34705E-01
0.22034E+04	0.19977E-01	0.30112E+00	0.60155E-02	0.33598E-01
0.22035E+04	0.19362E-01	0.30119E+00	0.58318E-02	0.32572E-01
0.22036E+04	0.18793E-01	0.30127E+00	0.56616E-02	0.31621E-01
0.22037E+04	0.18248E-01	0.30134E+00	0.54988E-02	0.30712E-01
0.22038E+04	0.17708E-01	0.30141E+00	0.53375E-02	0.29811E-01
0.22039E+04	0.17153E-01	0.30148E+00	0.51712E-02	0.28882E-01
0.22040E+04	0.16580E-01	0.30155E+00	0.49998E-02	0.27925E-01
0.22041E+04	0.16012E-01	0.30163E+00	0.48297E-02	0.26975E-01
0.22042E+04	0.15460E-01	0.30170E+00	0.46643E-02	0.26051E-01
0.22043E+04	0.14915E-01	0.30173E+00	0.45003E-02	0.25135E-01
0.22044E+04	0.14380E-01	0.30177E+00	0.43393E-02	0.24236E-01
0.22045E+04	0.13861E-01	0.30180E+00	0.41832E-02	0.23364E-01
0.22046E+04	0.13344E-01	0.30184E+00	0.40278E-02	0.22496E-01
0.22047E+04	0.12848E-01	0.30188E+00	0.38786E-02	0.21663E-01
0.22048E+04	0.12363E-01	0.30192E+00	0.37326E-02	0.20847E-01
0.22049E+04	0.11894E-01	0.30196E+00	0.35915E-02	0.20059E-01
0.22050E+04	0.11487E-01	0.30200E+00	0.34690E-02	0.19375E-01
0.22051E+04	0.11117E-01	0.30205E+00	0.33580E-02	0.18755E-01
0.22052E+04	0.10777E-01	0.30210E+00	0.32556E-02	0.18183E-01
0.22053E+04	0.10442E-01	0.30215E+00	0.31551E-02	0.17622E-01
0.22054E+04	0.10122E-01	0.30220E+00	0.30590E-02	0.17085E-01
0.22055E+04	0.98158E-02	0.30225E+00	0.29668E-02	0.16570E-01
0.22056E+04	0.95231E-02	0.30230E+00	0.28788E-02	0.16079E-01
0.22057E+04	0.92314E-02	0.30235E+00	0.27911E-02	0.15589E-01
0.22058E+04	0.89448E-02	0.30240E+00	0.27049E-02	0.15107E-01
0.22059E+04	0.86720E-02	0.30245E+00	0.26229E-02	0.14649E-01
0.22060E+04	0.84129E-02	0.30250E+00	0.25449E-02	0.14214E-01

0.22061E+04	0.81590E-02	0.30256E+00	0.24686E-02	0.13788E-01
0.22062E+04	0.79085E-02	0.30262E+00	0.23933E-02	0.13367E-01
0.22063E+04	0.76607E-02	0.30268E+00	0.23188E-02	0.12951E-01
0.22064E+04	0.74188E-02	0.30274E+00	0.22460E-02	0.12544E-01
0.22065E+04	0.71807E-02	0.30281E+00	0.21744E-02	0.12144E-01
0.22066E+04	0.69523E-02	0.30286E+00	0.21056E-02	0.11760E-01
0.22067E+04	0.67270E-02	0.30292E+00	0.20377E-02	0.11381E-01
0.22068E+04	0.65028E-02	0.30298E+00	0.19702E-02	0.11004E-01
0.22069E+04	0.62838E-02	0.30303E+00	0.19042E-02	0.10635E-01
0.22070E+04	0.60653E-02	0.30309E+00	0.18383E-02	0.10267E-01
0.22071E+04	0.58484E-02	0.30314E+00	0.17729E-02	0.99020E-02
0.22072E+04	0.56326E-02	0.30319E+00	0.17077E-02	0.95381E-02
0.22073E+04	0.54173E-02	0.30324E+00	0.16428E-02	0.91752E-02
0.22074E+04	0.52037E-02	0.30329E+00	0.15783E-02	0.88149E-02
0.22075E+04	0.49909E-02	0.30334E+00	0.15140E-02	0.84557E-02
0.22076E+04	0.47811E-02	0.30339E+00	0.14505E-02	0.81015E-02
0.22077E+04	0.45714E-02	0.30343E+00	0.13871E-02	0.77474E-02
0.22078E+04	0.43720E-02	0.30348E+00	0.13268E-02	0.74105E-02
0.22079E+04	0.41768E-02	0.30352E+00	0.12678E-02	0.70807E-02
0.22080E+04	0.39851E-02	0.30357E+00	0.12097E-02	0.67566E-02
0.22081E+04	0.38038E-02	0.30360E+00	0.11548E-02	0.64500E-02
0.22082E+04	0.36228E-02	0.30363E+00	0.11000E-02	0.61438E-02
0.22083E+04	0.34426E-02	0.30367E+00	0.10454E-02	0.58387E-02
0.22084E+04	0.32684E-02	0.30370E+00	0.99260E-03	0.55439E-02
0.22085E+04	0.30999E-02	0.30373E+00	0.94153E-03	0.52586E-02
0.22086E+04	0.29330E-02	0.30376E+00	0.89094E-03	0.49761E-02
0.22087E+04	0.27687E-02	0.30379E+00	0.84111E-03	0.46978E-02
0.22088E+04	0.26090E-02	0.30383E+00	0.79267E-03	0.44272E-02
0.22089E+04	0.24526E-02	0.30386E+00	0.74525E-03	0.41624E-02
0.22090E+04	0.23049E-02	0.30389E+00	0.70045E-03	0.39121E-02
0.22091E+04	0.21606E-02	0.30392E+00	0.65667E-03	0.36676E-02
0.22092E+04	0.20266E-02	0.30396E+00	0.61601E-03	0.34405E-02
0.22093E+04	0.18959E-02	0.30399E+00	0.57634E-03	0.32190E-02
0.22094E+04	0.17672E-02	0.30403E+00	0.53726E-03	0.30007E-02
0.22095E+04	0.16421E-02	0.30406E+00	0.49929E-03	0.27886E-02
0.22096E+04	0.15209E-02	0.30410E+00	0.46249E-03	0.25831E-02
0.22097E+04	0.13996E-02	0.30414E+00	0.42569E-03	0.23775E-02
0.22098E+04	0.12821E-02	0.30418E+00	0.38999E-03	0.21782E-02
0.22099E+04	0.11654E-02	0.30422E+00	0.35453E-03	0.19801E-02
0.22100E+04	0.10489E-02	0.30426E+00	0.31912E-03	0.17824E-02
0.22101E+04	0.93332E-03	0.30429E+00	0.28400E-03	0.15862E-02
0.22102E+04	0.83178E-03	0.30432E+00	0.25313E-03	0.14138E-02
0.22103E+04	0.73104E-03	0.30435E+00	0.22249E-03	0.12427E-02

0.22104E+04	0.63174E-03	0.30438E+00	0.19229E-03	0.10740E-02
0.22105E+04	0.53302E-03	0.30441E+00	0.16226E-03	0.90624E-03
0.22106E+04	0.43698E-03	0.30445E+00	0.13304E-03	0.74305E-03
0.22107E+04	0.34874E-03	0.30448E+00	0.10619E-03	0.59307E-03
0.22108E+04	0.26830E-03	0.30452E+00	0.81703E-04	0.45633E-03
0.22109E+04	0.19245E-03	0.30456E+00	0.58614E-04	0.32737E-03
0.22110E+04	0.12230E-03	0.30460E+00	0.37251E-04	0.20805E-03
0.22111E+04	0.60206E-04	0.30464E+00	0.18341E-04	0.10244E-03
0.22112E+04	0.00000E+00	0.30468E+00	0.00000E+00	0.00000E+00
Channel 14				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.21875E+04	0.00000E+00	0.29282E+00	0.00000E+00	0.00000E+00
0.21876E+04	0.12397E-04	0.29286E+00	0.36308E-05	0.16645E-04
0.21877E+04	0.17412E-03	0.29291E+00	0.51002E-04	0.23381E-03
0.21878E+04	0.33692E-03	0.29295E+00	0.98701E-04	0.45248E-03
0.21879E+04	0.49972E-03	0.29300E+00	0.14642E-03	0.67123E-03
0.21880E+04	0.66298E-03	0.29304E+00	0.19428E-03	0.89065E-03
0.21881E+04	0.82946E-03	0.29308E+00	0.24310E-03	0.11145E-02
0.21882E+04	0.99652E-03	0.29312E+00	0.29210E-03	0.13391E-02
0.21883E+04	0.11659E-02	0.29316E+00	0.34181E-03	0.15670E-02
0.21884E+04	0.13356E-02	0.29320E+00	0.39160E-03	0.17952E-02
0.21885E+04	0.15057E-02	0.29324E+00	0.44154E-03	0.20242E-02
0.21886E+04	0.16759E-02	0.29329E+00	0.49152E-03	0.22533E-02
0.21887E+04	0.18472E-02	0.29333E+00	0.54184E-03	0.24840E-02
0.21888E+04	0.20189E-02	0.29337E+00	0.59230E-03	0.27153E-02
0.21889E+04	0.21941E-02	0.29342E+00	0.64379E-03	0.29514E-02
0.21890E+04	0.23705E-02	0.29346E+00	0.69566E-03	0.31892E-02
0.21891E+04	0.25477E-02	0.29351E+00	0.74778E-03	0.34281E-02
0.21892E+04	0.27252E-02	0.29356E+00	0.80000E-03	0.36675E-02
0.21893E+04	0.29031E-02	0.29361E+00	0.85236E-03	0.39075E-02
0.21894E+04	0.30810E-02	0.29365E+00	0.90476E-03	0.41477E-02
0.21895E+04	0.32613E-02	0.29370E+00	0.95785E-03	0.43912E-02
0.21896E+04	0.34430E-02	0.29375E+00	0.10114E-02	0.46366E-02
0.21897E+04	0.36252E-02	0.29380E+00	0.10651E-02	0.48828E-02
0.21898E+04	0.38087E-02	0.29385E+00	0.11192E-02	0.51308E-02
0.21899E+04	0.39988E-02	0.29390E+00	0.11753E-02	0.53878E-02
0.21900E+04	0.41906E-02	0.29395E+00	0.12318E-02	0.56472E-02
0.21901E+04	0.43830E-02	0.29401E+00	0.12886E-02	0.59075E-02
0.21902E+04	0.45756E-02	0.29406E+00	0.13455E-02	0.61682E-02
0.21903E+04	0.47686E-02	0.29411E+00	0.14025E-02	0.64296E-02

0.21904E+04	0.49621E-02	0.29416E+00	0.14597E-02	0.66916E-02
0.21905E+04	0.51556E-02	0.29421E+00	0.15168E-02	0.69538E-02
0.21906E+04	0.53494E-02	0.29426E+00	0.15741E-02	0.72163E-02
0.21907E+04	0.55431E-02	0.29431E+00	0.16314E-02	0.74789E-02
0.21908E+04	0.57380E-02	0.29435E+00	0.16890E-02	0.77430E-02
0.21909E+04	0.59346E-02	0.29440E+00	0.17471E-02	0.80096E-02
0.21910E+04	0.61322E-02	0.29445E+00	0.18056E-02	0.82777E-02
0.21911E+04	0.63301E-02	0.29449E+00	0.18642E-02	0.85460E-02
0.21912E+04	0.65285E-02	0.29453E+00	0.19228E-02	0.88150E-02
0.21913E+04	0.67270E-02	0.29457E+00	0.19815E-02	0.90841E-02
0.21914E+04	0.69257E-02	0.29461E+00	0.20404E-02	0.93537E-02
0.21915E+04	0.71298E-02	0.29464E+00	0.21007E-02	0.96306E-02
0.21916E+04	0.73341E-02	0.29467E+00	0.21612E-02	0.99076E-02
0.21917E+04	0.75386E-02	0.29470E+00	0.22216E-02	0.10185E-01
0.21918E+04	0.77455E-02	0.29473E+00	0.22828E-02	0.10465E-01
0.21919E+04	0.79538E-02	0.29476E+00	0.23444E-02	0.10748E-01
0.21920E+04	0.81625E-02	0.29479E+00	0.24062E-02	0.11031E-01
0.21921E+04	0.83719E-02	0.29482E+00	0.24682E-02	0.11315E-01
0.21922E+04	0.85814E-02	0.29486E+00	0.25303E-02	0.11600E-01
0.21923E+04	0.87911E-02	0.29489E+00	0.25924E-02	0.11885E-01
0.21924E+04	0.90025E-02	0.29492E+00	0.26550E-02	0.12172E-01
0.21925E+04	0.92177E-02	0.29495E+00	0.27188E-02	0.12464E-01
0.21926E+04	0.94341E-02	0.29497E+00	0.27828E-02	0.12757E-01
0.21927E+04	0.96535E-02	0.29499E+00	0.28477E-02	0.13055E-01
0.21928E+04	0.98779E-02	0.29501E+00	0.29141E-02	0.13359E-01
0.21929E+04	0.10104E-01	0.29503E+00	0.29809E-02	0.13666E-01
0.21930E+04	0.10334E-01	0.29505E+00	0.30489E-02	0.13977E-01
0.21931E+04	0.10563E-01	0.29507E+00	0.31169E-02	0.14289E-01
0.21932E+04	0.10802E-01	0.29509E+00	0.31874E-02	0.14612E-01
0.21933E+04	0.11041E-01	0.29511E+00	0.32581E-02	0.14936E-01
0.21934E+04	0.11296E-01	0.29512E+00	0.33338E-02	0.15284E-01
0.21935E+04	0.11557E-01	0.29514E+00	0.34110E-02	0.15637E-01
0.21936E+04	0.11819E-01	0.29516E+00	0.34886E-02	0.15993E-01
0.21937E+04	0.12090E-01	0.29518E+00	0.35689E-02	0.16361E-01
0.21938E+04	0.12368E-01	0.29520E+00	0.36511E-02	0.16738E-01
0.21939E+04	0.12665E-01	0.29523E+00	0.37391E-02	0.17141E-01
0.21940E+04	0.12999E-01	0.29525E+00	0.38380E-02	0.17595E-01
0.21941E+04	0.13367E-01	0.29527E+00	0.39469E-02	0.18094E-01
0.21942E+04	0.13769E-01	0.29530E+00	0.40660E-02	0.18640E-01
0.21943E+04	0.14202E-01	0.29533E+00	0.41943E-02	0.19228E-01
0.21944E+04	0.14636E-01	0.29536E+00	0.43228E-02	0.19817E-01
0.21945E+04	0.15080E-01	0.29538E+00	0.44545E-02	0.20421E-01
0.21946E+04	0.15535E-01	0.29542E+00	0.45895E-02	0.21040E-01

0.21947E+04	0.16006E-01	0.29546E+00	0.47292E-02	0.21680E-01
0.21948E+04	0.16513E-01	0.29550E+00	0.48795E-02	0.22370E-01
0.21949E+04	0.17065E-01	0.29553E+00	0.50433E-02	0.23120E-01
0.21950E+04	0.17671E-01	0.29557E+00	0.52232E-02	0.23945E-01
0.21951E+04	0.18321E-01	0.29563E+00	0.54161E-02	0.24829E-01
0.21952E+04	0.18982E-01	0.29568E+00	0.56125E-02	0.25730E-01
0.21953E+04	0.19658E-01	0.29574E+00	0.58136E-02	0.26652E-01
0.21954E+04	0.20361E-01	0.29579E+00	0.60226E-02	0.27610E-01
0.21955E+04	0.21099E-01	0.29585E+00	0.62420E-02	0.28616E-01
0.21956E+04	0.21901E-01	0.29591E+00	0.64807E-02	0.29710E-01
0.21957E+04	0.22791E-01	0.29597E+00	0.67455E-02	0.30924E-01
0.21958E+04	0.23740E-01	0.29604E+00	0.70279E-02	0.32219E-01
0.21959E+04	0.24739E-01	0.29610E+00	0.73252E-02	0.33581E-01
0.21960E+04	0.25774E-01	0.29616E+00	0.76334E-02	0.34994E-01
0.21961E+04	0.26860E-01	0.29622E+00	0.79563E-02	0.36475E-01
0.21962E+04	0.28009E-01	0.29627E+00	0.82982E-02	0.38042E-01
0.21963E+04	0.29227E-01	0.29632E+00	0.86608E-02	0.39704E-01
0.21964E+04	0.30515E-01	0.29638E+00	0.90441E-02	0.41462E-01
0.21965E+04	0.31880E-01	0.29643E+00	0.94502E-02	0.43323E-01
0.21966E+04	0.33279E-01	0.29649E+00	0.98667E-02	0.45233E-01
0.21967E+04	0.34720E-01	0.29654E+00	0.10296E-01	0.47201E-01
0.21968E+04	0.36207E-01	0.29660E+00	0.10739E-01	0.49230E-01
0.21969E+04	0.37735E-01	0.29665E+00	0.11194E-01	0.51318E-01
0.21970E+04	0.39314E-01	0.29670E+00	0.11665E-01	0.53475E-01
0.21971E+04	0.40965E-01	0.29676E+00	0.12157E-01	0.55731E-01
0.21972E+04	0.42695E-01	0.29681E+00	0.12672E-01	0.58095E-01
0.21973E+04	0.44512E-01	0.29686E+00	0.13214E-01	0.60577E-01
0.21974E+04	0.46375E-01	0.29691E+00	0.13769E-01	0.63124E-01
0.21975E+04	0.48280E-01	0.29697E+00	0.14337E-01	0.65728E-01
0.21976E+04	0.50203E-01	0.29702E+00	0.14911E-01	0.68358E-01
0.21977E+04	0.52171E-01	0.29706E+00	0.15498E-01	0.71049E-01
0.21978E+04	0.54192E-01	0.29711E+00	0.16101E-01	0.73814E-01
0.21979E+04	0.56271E-01	0.29716E+00	0.16722E-01	0.76658E-01
0.21980E+04	0.58418E-01	0.29721E+00	0.17362E-01	0.79596E-01
0.21981E+04	0.60647E-01	0.29726E+00	0.18028E-01	0.82645E-01
0.21982E+04	0.62977E-01	0.29730E+00	0.18723E-01	0.85833E-01
0.21983E+04	0.65447E-01	0.29734E+00	0.19460E-01	0.89213E-01
0.21984E+04	0.68068E-01	0.29739E+00	0.20243E-01	0.92800E-01
0.21985E+04	0.70887E-01	0.29743E+00	0.21084E-01	0.96657E-01
0.21986E+04	0.73859E-01	0.29747E+00	0.21971E-01	0.10072E+00
0.21987E+04	0.76985E-01	0.29752E+00	0.22904E-01	0.10500E+00
0.21988E+04	0.80296E-01	0.29756E+00	0.23893E-01	0.10954E+00
0.21989E+04	0.83803E-01	0.29761E+00	0.24940E-01	0.11434E+00

0.21990E+04	0.87481E-01	0.29765E+00	0.26039E-01	0.11937E+00
0.21991E+04	0.91349E-01	0.29770E+00	0.27194E-01	0.12467E+00
0.21992E+04	0.95408E-01	0.29774E+00	0.28407E-01	0.13023E+00
0.21993E+04	0.99676E-01	0.29779E+00	0.29682E-01	0.13608E+00
0.21994E+04	0.10413E+00	0.29783E+00	0.31012E-01	0.14217E+00
0.21995E+04	0.10878E+00	0.29788E+00	0.32403E-01	0.14855E+00
0.21996E+04	0.11367E+00	0.29793E+00	0.33866E-01	0.15525E+00
0.21997E+04	0.11881E+00	0.29798E+00	0.35402E-01	0.16230E+00
0.21998E+04	0.12414E+00	0.29803E+00	0.36998E-01	0.16961E+00
0.21999E+04	0.12966E+00	0.29808E+00	0.38649E-01	0.17718E+00
0.22000E+04	0.13537E+00	0.29813E+00	0.40358E-01	0.18502E+00
0.22001E+04	0.14131E+00	0.29823E+00	0.42142E-01	0.19320E+00
0.22002E+04	0.14747E+00	0.29833E+00	0.43995E-01	0.20169E+00
0.22003E+04	0.15385E+00	0.29843E+00	0.45914E-01	0.21049E+00
0.22004E+04	0.16041E+00	0.29853E+00	0.47888E-01	0.21954E+00
0.22005E+04	0.16713E+00	0.29862E+00	0.49908E-01	0.22880E+00
0.22006E+04	0.17400E+00	0.29872E+00	0.51978E-01	0.23829E+00
0.22007E+04	0.18104E+00	0.29882E+00	0.54100E-01	0.24802E+00
0.22008E+04	0.18824E+00	0.29892E+00	0.56269E-01	0.25796E+00
0.22009E+04	0.19558E+00	0.29902E+00	0.58484E-01	0.26811E+00
0.22010E+04	0.20309E+00	0.29912E+00	0.60750E-01	0.27850E+00
0.22011E+04	0.21078E+00	0.29922E+00	0.63069E-01	0.28913E+00
0.22012E+04	0.21861E+00	0.29932E+00	0.65435E-01	0.29998E+00
0.22013E+04	0.22661E+00	0.29942E+00	0.67852E-01	0.31106E+00
0.22014E+04	0.23476E+00	0.29951E+00	0.70315E-01	0.32235E+00
0.22015E+04	0.24305E+00	0.29961E+00	0.72822E-01	0.33384E+00
0.22016E+04	0.25146E+00	0.29971E+00	0.75364E-01	0.34550E+00
0.22017E+04	0.25994E+00	0.29980E+00	0.77931E-01	0.35726E+00
0.22018E+04	0.26850E+00	0.29990E+00	0.80522E-01	0.36915E+00
0.22019E+04	0.27717E+00	0.29999E+00	0.83149E-01	0.38118E+00
0.22020E+04	0.28591E+00	0.30009E+00	0.85800E-01	0.39334E+00
0.22021E+04	0.29471E+00	0.30017E+00	0.88464E-01	0.40555E+00
0.22022E+04	0.30354E+00	0.30025E+00	0.91135E-01	0.41780E+00
0.22023E+04	0.31238E+00	0.30032E+00	0.93814E-01	0.43008E+00
0.22024E+04	0.32123E+00	0.30040E+00	0.96495E-01	0.44237E+00
0.22025E+04	0.33008E+00	0.30047E+00	0.99181E-01	0.45468E+00
0.22026E+04	0.33895E+00	0.30055E+00	0.10187E+00	0.46701E+00
0.22027E+04	0.34782E+00	0.30062E+00	0.10456E+00	0.47935E+00
0.22028E+04	0.35664E+00	0.30069E+00	0.10724E+00	0.49163E+00
0.22029E+04	0.36539E+00	0.30077E+00	0.10990E+00	0.50381E+00
0.22030E+04	0.37407E+00	0.30084E+00	0.11254E+00	0.51591E+00
0.22031E+04	0.38269E+00	0.30091E+00	0.11515E+00	0.52791E+00
0.22032E+04	0.39123E+00	0.30098E+00	0.11775E+00	0.53983E+00

0.22033E+04	0.39972E+00	0.30105E+00	0.12034E+00	0.55166E+00
0.22034E+04	0.40812E+00	0.30112E+00	0.12290E+00	0.56340E+00
0.22035E+04	0.41644E+00	0.30119E+00	0.12543E+00	0.57502E+00
0.22036E+04	0.42463E+00	0.30127E+00	0.12793E+00	0.58647E+00
0.22037E+04	0.43270E+00	0.30134E+00	0.13039E+00	0.59775E+00
0.22038E+04	0.44065E+00	0.30141E+00	0.13282E+00	0.60888E+00
0.22039E+04	0.44846E+00	0.30148E+00	0.13520E+00	0.61982E+00
0.22040E+04	0.45614E+00	0.30155E+00	0.13755E+00	0.63059E+00
0.22041E+04	0.46371E+00	0.30163E+00	0.13987E+00	0.64121E+00
0.22042E+04	0.47116E+00	0.30170E+00	0.14215E+00	0.65166E+00
0.22043E+04	0.47848E+00	0.30173E+00	0.14438E+00	0.66187E+00
0.22044E+04	0.48567E+00	0.30177E+00	0.14656E+00	0.67188E+00
0.22045E+04	0.49270E+00	0.30180E+00	0.14870E+00	0.68169E+00
0.22046E+04	0.49958E+00	0.30184E+00	0.15080E+00	0.69130E+00
0.22047E+04	0.50630E+00	0.30188E+00	0.15284E+00	0.70070E+00
0.22048E+04	0.51287E+00	0.30192E+00	0.15485E+00	0.70988E+00
0.22049E+04	0.51931E+00	0.30196E+00	0.15681E+00	0.71888E+00
0.22050E+04	0.52562E+00	0.30200E+00	0.15874E+00	0.72772E+00
0.22051E+04	0.53179E+00	0.30205E+00	0.16063E+00	0.73637E+00
0.22052E+04	0.53777E+00	0.30210E+00	0.16246E+00	0.74477E+00
0.22053E+04	0.54356E+00	0.30215E+00	0.16424E+00	0.75292E+00
0.22054E+04	0.54914E+00	0.30220E+00	0.16595E+00	0.76077E+00
0.22055E+04	0.55450E+00	0.30225E+00	0.16760E+00	0.76833E+00
0.22056E+04	0.55967E+00	0.30230E+00	0.16919E+00	0.77562E+00
0.22057E+04	0.56462E+00	0.30235E+00	0.17071E+00	0.78261E+00
0.22058E+04	0.56937E+00	0.30240E+00	0.17218E+00	0.78932E+00
0.22059E+04	0.57392E+00	0.30245E+00	0.17358E+00	0.79577E+00
0.22060E+04	0.57830E+00	0.30250E+00	0.17494E+00	0.80198E+00
0.22061E+04	0.58251E+00	0.30256E+00	0.17625E+00	0.80798E+00
0.22062E+04	0.58654E+00	0.30262E+00	0.17750E+00	0.81373E+00
0.22063E+04	0.59035E+00	0.30268E+00	0.17869E+00	0.81918E+00
0.22064E+04	0.59392E+00	0.30274E+00	0.17981E+00	0.82430E+00
0.22065E+04	0.59725E+00	0.30281E+00	0.18085E+00	0.82910E+00
0.22066E+04	0.60035E+00	0.30286E+00	0.18182E+00	0.83355E+00
0.22067E+04	0.60322E+00	0.30292E+00	0.18273E+00	0.83769E+00
0.22068E+04	0.60594E+00	0.30298E+00	0.18358E+00	0.84162E+00
0.22069E+04	0.60851E+00	0.30303E+00	0.18440E+00	0.84535E+00
0.22070E+04	0.61089E+00	0.30309E+00	0.18515E+00	0.84881E+00
0.22071E+04	0.61306E+00	0.30314E+00	0.18584E+00	0.85198E+00
0.22072E+04	0.61505E+00	0.30319E+00	0.18648E+00	0.85488E+00
0.22073E+04	0.61684E+00	0.30324E+00	0.18705E+00	0.85751E+00
0.22074E+04	0.61844E+00	0.30329E+00	0.18757E+00	0.85989E+00
0.22075E+04	0.61985E+00	0.30334E+00	0.18803E+00	0.86200E+00

0.22076E+04	0.62113E+00	0.30339E+00	0.18844E+00	0.86389E+00
0.22077E+04	0.62231E+00	0.30343E+00	0.18883E+00	0.86567E+00
0.22078E+04	0.62340E+00	0.30348E+00	0.18919E+00	0.86731E+00
0.22079E+04	0.62439E+00	0.30352E+00	0.18952E+00	0.86881E+00
0.22080E+04	0.62527E+00	0.30357E+00	0.18981E+00	0.87017E+00
0.22081E+04	0.62603E+00	0.30360E+00	0.19006E+00	0.87132E+00
0.22082E+04	0.62667E+00	0.30363E+00	0.19028E+00	0.87231E+00
0.22083E+04	0.62723E+00	0.30367E+00	0.19047E+00	0.87317E+00
0.22084E+04	0.62770E+00	0.30370E+00	0.19063E+00	0.87393E+00
0.22085E+04	0.62811E+00	0.30373E+00	0.19078E+00	0.87460E+00
0.22086E+04	0.62847E+00	0.30376E+00	0.19091E+00	0.87519E+00
0.22087E+04	0.62876E+00	0.30379E+00	0.19101E+00	0.87568E+00
0.22088E+04	0.62899E+00	0.30383E+00	0.19110E+00	0.87609E+00
0.22089E+04	0.62916E+00	0.30386E+00	0.19118E+00	0.87642E+00
0.22090E+04	0.62932E+00	0.30389E+00	0.19124E+00	0.87673E+00
0.22091E+04	0.62945E+00	0.30392E+00	0.19131E+00	0.87702E+00
0.22092E+04	0.62956E+00	0.30396E+00	0.19136E+00	0.87727E+00
0.22093E+04	0.62964E+00	0.30399E+00	0.19141E+00	0.87747E+00
0.22094E+04	0.62971E+00	0.30403E+00	0.19145E+00	0.87768E+00
0.22095E+04	0.62980E+00	0.30406E+00	0.19150E+00	0.87790E+00
0.22096E+04	0.62995E+00	0.30410E+00	0.19157E+00	0.87821E+00
0.22097E+04	0.63016E+00	0.30414E+00	0.19165E+00	0.87862E+00
0.22098E+04	0.63044E+00	0.30418E+00	0.19177E+00	0.87914E+00
0.22099E+04	0.63081E+00	0.30422E+00	0.19190E+00	0.87976E+00
0.22100E+04	0.63122E+00	0.30426E+00	0.19205E+00	0.88045E+00
0.22101E+04	0.63168E+00	0.30429E+00	0.19221E+00	0.88117E+00
0.22102E+04	0.63220E+00	0.30432E+00	0.19239E+00	0.88198E+00
0.22103E+04	0.63277E+00	0.30435E+00	0.19258E+00	0.88288E+00
0.22104E+04	0.63340E+00	0.30438E+00	0.19279E+00	0.88384E+00
0.22105E+04	0.63406E+00	0.30441E+00	0.19302E+00	0.88486E+00
0.22106E+04	0.63479E+00	0.30445E+00	0.19326E+00	0.88598E+00
0.22107E+04	0.63562E+00	0.30448E+00	0.19354E+00	0.88724E+00
0.22108E+04	0.63657E+00	0.30452E+00	0.19385E+00	0.88868E+00
0.22109E+04	0.63763E+00	0.30456E+00	0.19420E+00	0.89027E+00
0.22110E+04	0.63882E+00	0.30460E+00	0.19458E+00	0.89204E+00
0.22111E+04	0.64013E+00	0.30464E+00	0.19501E+00	0.89400E+00
0.22112E+04	0.64151E+00	0.30468E+00	0.19545E+00	0.89604E+00
0.22113E+04	0.64288E+00	0.30472E+00	0.19590E+00	0.89808E+00
0.22114E+04	0.64426E+00	0.30477E+00	0.19635E+00	0.90013E+00
0.22115E+04	0.64560E+00	0.30481E+00	0.19678E+00	0.90213E+00
0.22116E+04	0.64697E+00	0.30485E+00	0.19723E+00	0.90417E+00
0.22117E+04	0.64838E+00	0.30490E+00	0.19769E+00	0.90627E+00
0.22118E+04	0.64986E+00	0.30494E+00	0.19817E+00	0.90848E+00

0.22119E+04	0.65145E+00	0.30498E+00	0.19868E+00	0.91083E+00
0.22120E+04	0.65310E+00	0.30503E+00	0.19922E+00	0.91328E+00
0.22121E+04	0.65482E+00	0.30508E+00	0.19977E+00	0.91584E+00
0.22122E+04	0.65657E+00	0.30513E+00	0.20034E+00	0.91842E+00
0.22123E+04	0.65829E+00	0.30518E+00	0.20090E+00	0.92099E+00
0.22124E+04	0.66000E+00	0.30523E+00	0.20145E+00	0.92354E+00
0.22125E+04	0.66173E+00	0.30528E+00	0.20202E+00	0.92612E+00
0.22126E+04	0.66350E+00	0.30533E+00	0.20259E+00	0.92874E+00
0.22127E+04	0.66529E+00	0.30538E+00	0.20317E+00	0.93139E+00
0.22128E+04	0.66710E+00	0.30543E+00	0.20375E+00	0.93406E+00
0.22129E+04	0.66895E+00	0.30548E+00	0.20435E+00	0.93681E+00
0.22130E+04	0.67081E+00	0.30552E+00	0.20495E+00	0.93955E+00
0.22131E+04	0.67264E+00	0.30557E+00	0.20554E+00	0.94225E+00
0.22132E+04	0.67449E+00	0.30561E+00	0.20613E+00	0.94498E+00
0.22133E+04	0.67636E+00	0.30566E+00	0.20674E+00	0.94777E+00
0.22134E+04	0.67825E+00	0.30572E+00	0.20735E+00	0.95059E+00
0.22135E+04	0.68015E+00	0.30577E+00	0.20797E+00	0.95342E+00
0.22136E+04	0.68203E+00	0.30582E+00	0.20858E+00	0.95620E+00
0.22137E+04	0.68385E+00	0.30587E+00	0.20917E+00	0.95893E+00
0.22138E+04	0.68566E+00	0.30592E+00	0.20976E+00	0.96162E+00
0.22139E+04	0.68744E+00	0.30597E+00	0.21034E+00	0.96428E+00
0.22140E+04	0.68919E+00	0.30603E+00	0.21091E+00	0.96689E+00
0.22141E+04	0.69088E+00	0.30608E+00	0.21146E+00	0.96943E+00
0.22142E+04	0.69249E+00	0.30613E+00	0.21200E+00	0.97187E+00
0.22143E+04	0.69402E+00	0.30619E+00	0.21250E+00	0.97418E+00
0.22144E+04	0.69547E+00	0.30625E+00	0.21298E+00	0.97640E+00
0.22145E+04	0.69685E+00	0.30630E+00	0.21344E+00	0.97851E+00
0.22146E+04	0.69816E+00	0.30635E+00	0.21388E+00	0.98052E+00
0.22147E+04	0.69939E+00	0.30641E+00	0.21430E+00	0.98243E+00
0.22148E+04	0.70056E+00	0.30646E+00	0.21469E+00	0.98424E+00
0.22149E+04	0.70165E+00	0.30651E+00	0.21507E+00	0.98594E+00
0.22150E+04	0.70268E+00	0.30657E+00	0.21542E+00	0.98756E+00
0.22151E+04	0.70365E+00	0.30662E+00	0.21576E+00	0.98911E+00
0.22152E+04	0.70455E+00	0.30668E+00	0.21607E+00	0.99055E+00
0.22153E+04	0.70535E+00	0.30674E+00	0.21636E+00	0.99186E+00
0.22154E+04	0.70605E+00	0.30679E+00	0.21661E+00	0.99302E+00
0.22155E+04	0.70663E+00	0.30685E+00	0.21683E+00	0.99403E+00
0.22156E+04	0.70717E+00	0.30690E+00	0.21703E+00	0.99497E+00
0.22157E+04	0.70767E+00	0.30696E+00	0.21723E+00	0.99585E+00
0.22158E+04	0.70815E+00	0.30702E+00	0.21741E+00	0.99670E+00
0.22159E+04	0.70862E+00	0.30707E+00	0.21760E+00	0.99754E+00
0.22160E+04	0.70906E+00	0.30713E+00	0.21777E+00	0.99835E+00
0.22161E+04	0.70942E+00	0.30719E+00	0.21793E+00	0.99907E+00

0.22162E+04	0.70965E+00	0.30725E+00	0.21804E+00	0.99960E+00
0.22163E+04	0.70973E+00	0.30732E+00	0.21811E+00	0.99991E+00
0.22164E+04	0.70964E+00	0.30738E+00	0.21813E+00	0.10000E+01
0.22165E+04	0.70938E+00	0.30745E+00	0.21810E+00	0.99984E+00
0.22166E+04	0.70900E+00	0.30751E+00	0.21803E+00	0.99952E+00
0.22167E+04	0.70851E+00	0.30758E+00	0.21792E+00	0.99904E+00
0.22168E+04	0.70795E+00	0.30764E+00	0.21779E+00	0.99845E+00
0.22169E+04	0.70733E+00	0.30770E+00	0.21765E+00	0.99778E+00
0.22170E+04	0.70662E+00	0.30777E+00	0.21747E+00	0.99699E+00
0.22171E+04	0.70581E+00	0.30783E+00	0.21727E+00	0.99604E+00
0.22172E+04	0.70485E+00	0.30789E+00	0.21702E+00	0.99489E+00
0.22173E+04	0.70375E+00	0.30796E+00	0.21672E+00	0.99354E+00
0.22174E+04	0.70252E+00	0.30802E+00	0.21639E+00	0.99201E+00
0.22175E+04	0.70112E+00	0.30808E+00	0.21600E+00	0.99024E+00
0.22176E+04	0.69954E+00	0.30814E+00	0.21556E+00	0.98820E+00
0.22177E+04	0.69781E+00	0.30820E+00	0.21507E+00	0.98595E+00
0.22178E+04	0.69596E+00	0.30827E+00	0.21454E+00	0.98354E+00
0.22179E+04	0.69399E+00	0.30833E+00	0.21398E+00	0.98094E+00
0.22180E+04	0.69184E+00	0.30839E+00	0.21336E+00	0.97810E+00
0.22181E+04	0.68953E+00	0.30844E+00	0.21268E+00	0.97502E+00
0.22182E+04	0.68708E+00	0.30850E+00	0.21197E+00	0.97174E+00
0.22183E+04	0.68449E+00	0.30856E+00	0.21121E+00	0.96825E+00
0.22184E+04	0.68181E+00	0.30862E+00	0.21042E+00	0.96463E+00
0.22185E+04	0.67905E+00	0.30867E+00	0.20960E+00	0.96090E+00
0.22186E+04	0.67619E+00	0.30873E+00	0.20876E+00	0.95704E+00
0.22187E+04	0.67325E+00	0.30879E+00	0.20789E+00	0.95304E+00
0.22188E+04	0.67020E+00	0.30884E+00	0.20699E+00	0.94890E+00
0.22189E+04	0.66701E+00	0.30890E+00	0.20604E+00	0.94456E+00
0.22190E+04	0.66367E+00	0.30896E+00	0.20505E+00	0.94000E+00
0.22191E+04	0.66016E+00	0.30901E+00	0.20400E+00	0.93521E+00
0.22192E+04	0.65649E+00	0.30907E+00	0.20290E+00	0.93018E+00
0.22193E+04	0.65266E+00	0.30913E+00	0.20175E+00	0.92492E+00
0.22194E+04	0.64867E+00	0.30918E+00	0.20056E+00	0.91943E+00
0.22195E+04	0.64451E+00	0.30924E+00	0.19931E+00	0.91370E+00
0.22196E+04	0.64020E+00	0.30930E+00	0.19801E+00	0.90777E+00
0.22197E+04	0.63575E+00	0.30936E+00	0.19668E+00	0.90164E+00
0.22198E+04	0.63119E+00	0.30942E+00	0.19530E+00	0.89534E+00
0.22199E+04	0.62652E+00	0.30948E+00	0.19389E+00	0.88888E+00
0.22200E+04	0.62177E+00	0.30954E+00	0.19246E+00	0.88231E+00
0.22201E+04	0.61694E+00	0.30959E+00	0.19100E+00	0.87563E+00
0.22202E+04	0.61202E+00	0.30965E+00	0.18951E+00	0.86880E+00
0.22203E+04	0.60700E+00	0.30971E+00	0.18799E+00	0.86184E+00
0.22204E+04	0.60186E+00	0.30976E+00	0.18643E+00	0.85468E+00

0.22205E+04	0.59656E+00	0.30982E+00	0.18483E+00	0.84731E+00
0.22206E+04	0.59114E+00	0.30988E+00	0.18318E+00	0.83978E+00
0.22207E+04	0.58562E+00	0.30994E+00	0.18151E+00	0.83210E+00
0.22208E+04	0.58003E+00	0.31000E+00	0.17981E+00	0.82432E+00
0.22209E+04	0.57438E+00	0.31006E+00	0.17809E+00	0.81644E+00
0.22210E+04	0.56862E+00	0.31012E+00	0.17634E+00	0.80841E+00
0.22211E+04	0.56278E+00	0.31018E+00	0.17456E+00	0.80027E+00
0.22212E+04	0.55689E+00	0.31025E+00	0.17277E+00	0.79205E+00
0.22213E+04	0.55093E+00	0.31031E+00	0.17096E+00	0.78374E+00
0.22214E+04	0.54490E+00	0.31037E+00	0.16912E+00	0.77532E+00
0.22215E+04	0.53880E+00	0.31044E+00	0.16726E+00	0.76679E+00
0.22216E+04	0.53261E+00	0.31050E+00	0.16538E+00	0.75815E+00
0.22217E+04	0.52633E+00	0.31057E+00	0.16346E+00	0.74937E+00
0.22218E+04	0.51999E+00	0.31064E+00	0.16153E+00	0.74051E+00
0.22219E+04	0.51363E+00	0.31070E+00	0.15958E+00	0.73160E+00
0.22220E+04	0.50721E+00	0.31077E+00	0.15763E+00	0.72261E+00
0.22221E+04	0.50075E+00	0.31084E+00	0.15565E+00	0.71358E+00
0.22222E+04	0.49425E+00	0.31091E+00	0.15367E+00	0.70448E+00
0.22223E+04	0.48770E+00	0.31099E+00	0.15167E+00	0.69530E+00
0.22224E+04	0.48107E+00	0.31106E+00	0.14964E+00	0.68602E+00
0.22225E+04	0.47437E+00	0.31113E+00	0.14759E+00	0.67661E+00
0.22226E+04	0.46763E+00	0.31120E+00	0.14553E+00	0.66715E+00
0.22227E+04	0.46085E+00	0.31128E+00	0.14345E+00	0.65764E+00
0.22228E+04	0.45401E+00	0.31135E+00	0.14136E+00	0.64804E+00
0.22229E+04	0.44711E+00	0.31143E+00	0.13924E+00	0.63834E+00
0.22230E+04	0.44017E+00	0.31150E+00	0.13711E+00	0.62858E+00
0.22231E+04	0.43319E+00	0.31158E+00	0.13497E+00	0.61877E+00
0.22232E+04	0.42620E+00	0.31165E+00	0.13283E+00	0.60893E+00
0.22233E+04	0.41920E+00	0.31173E+00	0.13068E+00	0.59908E+00
0.22234E+04	0.41226E+00	0.31181E+00	0.12854E+00	0.58930E+00
0.22235E+04	0.40537E+00	0.31188E+00	0.12643E+00	0.57959E+00
0.22236E+04	0.39851E+00	0.31196E+00	0.12432E+00	0.56992E+00
0.22237E+04	0.39165E+00	0.31203E+00	0.12221E+00	0.56025E+00
0.22238E+04	0.38477E+00	0.31211E+00	0.12009E+00	0.55053E+00
0.22239E+04	0.37786E+00	0.31218E+00	0.11796E+00	0.54078E+00
0.22240E+04	0.37094E+00	0.31226E+00	0.11583E+00	0.53100E+00
0.22241E+04	0.36400E+00	0.31234E+00	0.11369E+00	0.52120E+00
0.22242E+04	0.35704E+00	0.31243E+00	0.11155E+00	0.51138E+00
0.22243E+04	0.35007E+00	0.31251E+00	0.10940E+00	0.50154E+00
0.22244E+04	0.34308E+00	0.31260E+00	0.10725E+00	0.49166E+00
0.22245E+04	0.33609E+00	0.31268E+00	0.10509E+00	0.48176E+00
0.22246E+04	0.32913E+00	0.31276E+00	0.10294E+00	0.47191E+00
0.22247E+04	0.32224E+00	0.31284E+00	0.10081E+00	0.46214E+00

0.22248E+04	0.31542E+00	0.31292E+00	0.98700E-01	0.45248E+00
0.22249E+04	0.30868E+00	0.31300E+00	0.96617E-01	0.44293E+00
0.22250E+04	0.30202E+00	0.31308E+00	0.94556E-01	0.43348E+00
0.22251E+04	0.29543E+00	0.31315E+00	0.92512E-01	0.42411E+00
0.22252E+04	0.28890E+00	0.31322E+00	0.90488E-01	0.41483E+00
0.22253E+04	0.28242E+00	0.31329E+00	0.88478E-01	0.40561E+00
0.22254E+04	0.27596E+00	0.31336E+00	0.86474E-01	0.39643E+00
0.22255E+04	0.26955E+00	0.31343E+00	0.84483E-01	0.38730E+00
0.22256E+04	0.26321E+00	0.31349E+00	0.82514E-01	0.37828E+00
0.22257E+04	0.25699E+00	0.31355E+00	0.80578E-01	0.36940E+00
0.22258E+04	0.25085E+00	0.31361E+00	0.78671E-01	0.36066E+00
0.22259E+04	0.24480E+00	0.31368E+00	0.76788E-01	0.35203E+00
0.22260E+04	0.23882E+00	0.31374E+00	0.74929E-01	0.34350E+00
0.22261E+04	0.23292E+00	0.31380E+00	0.73092E-01	0.33508E+00
0.22262E+04	0.22711E+00	0.31386E+00	0.71282E-01	0.32678E+00
0.22263E+04	0.22140E+00	0.31392E+00	0.69504E-01	0.31863E+00
0.22264E+04	0.21579E+00	0.31399E+00	0.67754E-01	0.31061E+00
0.22265E+04	0.21024E+00	0.31405E+00	0.66027E-01	0.30269E+00
0.22266E+04	0.20473E+00	0.31410E+00	0.64306E-01	0.29480E+00
0.22267E+04	0.19923E+00	0.31416E+00	0.62590E-01	0.28694E+00
0.22268E+04	0.19379E+00	0.31422E+00	0.60893E-01	0.27916E+00
0.22269E+04	0.18844E+00	0.31427E+00	0.59222E-01	0.27150E+00
0.22270E+04	0.18316E+00	0.31433E+00	0.57574E-01	0.26394E+00
0.22271E+04	0.17796E+00	0.31438E+00	0.55948E-01	0.25649E+00
0.22272E+04	0.17282E+00	0.31444E+00	0.54342E-01	0.24913E+00
0.22273E+04	0.16775E+00	0.31448E+00	0.52755E-01	0.24185E+00
0.22274E+04	0.16275E+00	0.31452E+00	0.51189E-01	0.23467E+00
0.22275E+04	0.15782E+00	0.31456E+00	0.49646E-01	0.22760E+00
0.22276E+04	0.15299E+00	0.31461E+00	0.48132E-01	0.22066E+00
0.22277E+04	0.14827E+00	0.31465E+00	0.46651E-01	0.21387E+00
0.22278E+04	0.14361E+00	0.31469E+00	0.45193E-01	0.20718E+00
0.22279E+04	0.13905E+00	0.31473E+00	0.43762E-01	0.20062E+00
0.22280E+04	0.13460E+00	0.31478E+00	0.42370E-01	0.19424E+00
0.22281E+04	0.13031E+00	0.31482E+00	0.41026E-01	0.18808E+00
0.22282E+04	0.12615E+00	0.31487E+00	0.39720E-01	0.18209E+00
0.22283E+04	0.12211E+00	0.31492E+00	0.38454E-01	0.17629E+00
0.22284E+04	0.11817E+00	0.31497E+00	0.37221E-01	0.17063E+00
0.22285E+04	0.11433E+00	0.31502E+00	0.36017E-01	0.16511E+00
0.22286E+04	0.11055E+00	0.31508E+00	0.34833E-01	0.15969E+00
0.22287E+04	0.10683E+00	0.31513E+00	0.33667E-01	0.15434E+00
0.22288E+04	0.10321E+00	0.31519E+00	0.32529E-01	0.14913E+00
0.22289E+04	0.99687E-01	0.31525E+00	0.31426E-01	0.14407E+00
0.22290E+04	0.96286E-01	0.31530E+00	0.30359E-01	0.13918E+00

0.22291E+04	0.93016E-01	0.31536E+00	0.29334E-01	0.13448E+00
0.22292E+04	0.89840E-01	0.31543E+00	0.28338E-01	0.12991E+00
0.22293E+04	0.86740E-01	0.31549E+00	0.27366E-01	0.12545E+00
0.22294E+04	0.83722E-01	0.31555E+00	0.26418E-01	0.12111E+00
0.22295E+04	0.80807E-01	0.31561E+00	0.25504E-01	0.11692E+00
0.22296E+04	0.78036E-01	0.31568E+00	0.24634E-01	0.11293E+00
0.22297E+04	0.75430E-01	0.31575E+00	0.23817E-01	0.10919E+00
0.22298E+04	0.72961E-01	0.31581E+00	0.23042E-01	0.10563E+00
0.22299E+04	0.70614E-01	0.31588E+00	0.22306E-01	0.10226E+00
0.22300E+04	0.68343E-01	0.31595E+00	0.21593E-01	0.98989E-01
0.22301E+04	0.66132E-01	0.31599E+00	0.20897E-01	0.95800E-01
0.22302E+04	0.63980E-01	0.31603E+00	0.20220E-01	0.92696E-01
0.22303E+04	0.61900E-01	0.31608E+00	0.19565E-01	0.89695E-01
0.22304E+04	0.59897E-01	0.31612E+00	0.18935E-01	0.86804E-01
0.22305E+04	0.57975E-01	0.31617E+00	0.18330E-01	0.84031E-01
0.22306E+04	0.56118E-01	0.31621E+00	0.17745E-01	0.81350E-01
0.22307E+04	0.54306E-01	0.31625E+00	0.17174E-01	0.78734E-01
0.22308E+04	0.52538E-01	0.31630E+00	0.16617E-01	0.76181E-01
0.22309E+04	0.50853E-01	0.31634E+00	0.16087E-01	0.73748E-01
0.22310E+04	0.49261E-01	0.31638E+00	0.15585E-01	0.71448E-01
0.22311E+04	0.47779E-01	0.31642E+00	0.15118E-01	0.69308E-01
0.22312E+04	0.46402E-01	0.31646E+00	0.14684E-01	0.67319E-01
0.22313E+04	0.45107E-01	0.31650E+00	0.14276E-01	0.65447E-01
0.22314E+04	0.43843E-01	0.31653E+00	0.13878E-01	0.63621E-01
0.22315E+04	0.42584E-01	0.31657E+00	0.13481E-01	0.61802E-01
0.22316E+04	0.41300E-01	0.31661E+00	0.13076E-01	0.59945E-01
0.22317E+04	0.39998E-01	0.31664E+00	0.12665E-01	0.58061E-01
0.22318E+04	0.38731E-01	0.31668E+00	0.12265E-01	0.56228E-01
0.22319E+04	0.37519E-01	0.31671E+00	0.11883E-01	0.54474E-01
0.22320E+04	0.36345E-01	0.31674E+00	0.11512E-01	0.52775E-01
0.22321E+04	0.35207E-01	0.31676E+00	0.11152E-01	0.51125E-01
0.22322E+04	0.34072E-01	0.31677E+00	0.10793E-01	0.49479E-01
0.22323E+04	0.32941E-01	0.31679E+00	0.10435E-01	0.47839E-01
0.22324E+04	0.31812E-01	0.31680E+00	0.10078E-01	0.46201E-01
0.22325E+04	0.30682E-01	0.31682E+00	0.97207E-02	0.44563E-01
0.22326E+04	0.29593E-01	0.31683E+00	0.93760E-02	0.42983E-01
0.22327E+04	0.28566E-01	0.31684E+00	0.90509E-02	0.41493E-01
0.22328E+04	0.27553E-01	0.31686E+00	0.87304E-02	0.40023E-01
0.22329E+04	0.26549E-01	0.31687E+00	0.84125E-02	0.38566E-01
0.22330E+04	0.25586E-01	0.31688E+00	0.81077E-02	0.37169E-01
0.22331E+04	0.24671E-01	0.31690E+00	0.78183E-02	0.35842E-01
0.22332E+04	0.23790E-01	0.31691E+00	0.75392E-02	0.34563E-01
0.22333E+04	0.22941E-01	0.31692E+00	0.72706E-02	0.33331E-01

0.22334E+04	0.22139E-01	0.31694E+00	0.70168E-02	0.32168E-01
0.22335E+04	0.21370E-01	0.31695E+00	0.67733E-02	0.31052E-01
0.22336E+04	0.20624E-01	0.31697E+00	0.65372E-02	0.29969E-01
0.22337E+04	0.19880E-01	0.31698E+00	0.63016E-02	0.28889E-01
0.22338E+04	0.19141E-01	0.31700E+00	0.60677E-02	0.27817E-01
0.22339E+04	0.18460E-01	0.31702E+00	0.58520E-02	0.26828E-01
0.22340E+04	0.17847E-01	0.31704E+00	0.56582E-02	0.25939E-01
0.22341E+04	0.17298E-01	0.31709E+00	0.54850E-02	0.25145E-01
0.22342E+04	0.16780E-01	0.31714E+00	0.53217E-02	0.24397E-01
0.22343E+04	0.16273E-01	0.31719E+00	0.51618E-02	0.23663E-01
0.22344E+04	0.15785E-01	0.31724E+00	0.50078E-02	0.22957E-01
0.22345E+04	0.15307E-01	0.31730E+00	0.48568E-02	0.22265E-01
0.22346E+04	0.14830E-01	0.31735E+00	0.47063E-02	0.21575E-01
0.22347E+04	0.14370E-01	0.31740E+00	0.45611E-02	0.20910E-01
0.22348E+04	0.13923E-01	0.31746E+00	0.44198E-02	0.20262E-01
0.22349E+04	0.13481E-01	0.31751E+00	0.42805E-02	0.19624E-01
0.22350E+04	0.13056E-01	0.31757E+00	0.41462E-02	0.19008E-01
0.22351E+04	0.12633E-01	0.31763E+00	0.40126E-02	0.18395E-01
0.22352E+04	0.12212E-01	0.31770E+00	0.38797E-02	0.17786E-01
0.22353E+04	0.11811E-01	0.31776E+00	0.37531E-02	0.17206E-01
0.22354E+04	0.11429E-01	0.31782E+00	0.36324E-02	0.16652E-01
0.22355E+04	0.11070E-01	0.31789E+00	0.35190E-02	0.16132E-01
0.22356E+04	0.10717E-01	0.31795E+00	0.34076E-02	0.15622E-01
0.22357E+04	0.10373E-01	0.31801E+00	0.32987E-02	0.15123E-01
0.22358E+04	0.10063E-01	0.31807E+00	0.32008E-02	0.14674E-01
0.22359E+04	0.97538E-02	0.31814E+00	0.31030E-02	0.14225E-01
0.22360E+04	0.94766E-02	0.31819E+00	0.30154E-02	0.13824E-01
0.22361E+04	0.92052E-02	0.31823E+00	0.29294E-02	0.13429E-01
0.22362E+04	0.89404E-02	0.31827E+00	0.28454E-02	0.13045E-01
0.22363E+04	0.86852E-02	0.31830E+00	0.27645E-02	0.12674E-01
0.22364E+04	0.84300E-02	0.31834E+00	0.26836E-02	0.12303E-01
0.22365E+04	0.81764E-02	0.31838E+00	0.26032E-02	0.11934E-01
0.22366E+04	0.79295E-02	0.31841E+00	0.25248E-02	0.11575E-01
0.22367E+04	0.76836E-02	0.31844E+00	0.24467E-02	0.11217E-01
0.22368E+04	0.74433E-02	0.31846E+00	0.23704E-02	0.10867E-01
0.22369E+04	0.72053E-02	0.31849E+00	0.22948E-02	0.10520E-01
0.22370E+04	0.69681E-02	0.31851E+00	0.22195E-02	0.10175E-01
0.22371E+04	0.67367E-02	0.31854E+00	0.21459E-02	0.98376E-02
0.22372E+04	0.65145E-02	0.31856E+00	0.20753E-02	0.95138E-02
0.22373E+04	0.62952E-02	0.31858E+00	0.20055E-02	0.91942E-02
0.22374E+04	0.60775E-02	0.31861E+00	0.19363E-02	0.88769E-02
0.22375E+04	0.58638E-02	0.31863E+00	0.18684E-02	0.85654E-02
0.22376E+04	0.56505E-02	0.31865E+00	0.18005E-02	0.82544E-02

0.22377E+04	0.54402E-02	0.31867E+00	0.17337E-02	0.79478E-02
0.22378E+04	0.52300E-02	0.31870E+00	0.16668E-02	0.76412E-02
0.22379E+04	0.50208E-02	0.31872E+00	0.16002E-02	0.73360E-02
0.22380E+04	0.48127E-02	0.31874E+00	0.15340E-02	0.70324E-02
0.22381E+04	0.46050E-02	0.31876E+00	0.14679E-02	0.67292E-02
0.22382E+04	0.44015E-02	0.31878E+00	0.14031E-02	0.64323E-02
0.22383E+04	0.41990E-02	0.31879E+00	0.13386E-02	0.61367E-02
0.22384E+04	0.39973E-02	0.31881E+00	0.12744E-02	0.58423E-02
0.22385E+04	0.37990E-02	0.31883E+00	0.12112E-02	0.55527E-02
0.22386E+04	0.36017E-02	0.31885E+00	0.11484E-02	0.52647E-02
0.22387E+04	0.34070E-02	0.31887E+00	0.10864E-02	0.49805E-02
0.22388E+04	0.32140E-02	0.31890E+00	0.10249E-02	0.46987E-02
0.22389E+04	0.30218E-02	0.31892E+00	0.96370E-03	0.44180E-02
0.22390E+04	0.28324E-02	0.31894E+00	0.90336E-03	0.41414E-02
0.22391E+04	0.26466E-02	0.31897E+00	0.84418E-03	0.38700E-02
0.22392E+04	0.24638E-02	0.31900E+00	0.78596E-03	0.36032E-02
0.22393E+04	0.22856E-02	0.31903E+00	0.72919E-03	0.33429E-02
0.22394E+04	0.21133E-02	0.31906E+00	0.67429E-03	0.30912E-02
0.22395E+04	0.19428E-02	0.31909E+00	0.61992E-03	0.28420E-02
0.22396E+04	0.17727E-02	0.31913E+00	0.56573E-03	0.25935E-02
0.22397E+04	0.16043E-02	0.31916E+00	0.51204E-03	0.23474E-02
0.22398E+04	0.14399E-02	0.31920E+00	0.45960E-03	0.21070E-02
0.22399E+04	0.12824E-02	0.31924E+00	0.40938E-03	0.18767E-02
0.22400E+04	0.11293E-02	0.31928E+00	0.36055E-03	0.16529E-02
0.22401E+04	0.97688E-03	0.31934E+00	0.31196E-03	0.14301E-02
0.22402E+04	0.82502E-03	0.31941E+00	0.26352E-03	0.12081E-02
0.22403E+04	0.67722E-03	0.31948E+00	0.21636E-03	0.99186E-03
0.22404E+04	0.53154E-03	0.31954E+00	0.16985E-03	0.77866E-03
0.22405E+04	0.38626E-03	0.31961E+00	0.12345E-03	0.56595E-03
0.22406E+04	0.24357E-03	0.31968E+00	0.77864E-04	0.35696E-03
0.22407E+04	0.10613E-03	0.31974E+00	0.33936E-04	0.15558E-03
0.22408E+04	0.00000E+00	0.31981E+00	0.00000E+00	0.00000E+00
Channel 15				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.22035E+04	0.00000E+00	0.30119E+00	0.00000E+00	0.00000E+00
0.22036E+04	0.34861E-04	0.30127E+00	0.10502E-04	0.48268E-04
0.22037E+04	0.74082E-04	0.30134E+00	0.22324E-04	0.10260E-03
0.22038E+04	0.11397E-03	0.30141E+00	0.34351E-04	0.15787E-03
0.22039E+04	0.15727E-03	0.30148E+00	0.47414E-04	0.21791E-03
0.22040E+04	0.20447E-03	0.30155E+00	0.61659E-04	0.28338E-03

0.22041E+04	0.26543E-03	0.30163E+00	0.80061E-04	0.36795E-03
0.22042E+04	0.33043E-03	0.30170E+00	0.99688E-04	0.45816E-03
0.22043E+04	0.39841E-03	0.30173E+00	0.12021E-03	0.55249E-03
0.22044E+04	0.46641E-03	0.30177E+00	0.14075E-03	0.64686E-03
0.22045E+04	0.53594E-03	0.30180E+00	0.16175E-03	0.74338E-03
0.22046E+04	0.60601E-03	0.30184E+00	0.18292E-03	0.84069E-03
0.22047E+04	0.67871E-03	0.30188E+00	0.20489E-03	0.94167E-03
0.22048E+04	0.75454E-03	0.30192E+00	0.22781E-03	0.10470E-02
0.22049E+04	0.83221E-03	0.30196E+00	0.25130E-03	0.11549E-02
0.22050E+04	0.91334E-03	0.30200E+00	0.27583E-03	0.12677E-02
0.22051E+04	0.99459E-03	0.30205E+00	0.30042E-03	0.13807E-02
0.22052E+04	0.10762E-02	0.30210E+00	0.32513E-03	0.14942E-02
0.22053E+04	0.11595E-02	0.30215E+00	0.35035E-03	0.16102E-02
0.22054E+04	0.12443E-02	0.30220E+00	0.37602E-03	0.17282E-02
0.22055E+04	0.13303E-02	0.30225E+00	0.40207E-03	0.18479E-02
0.22056E+04	0.14165E-02	0.30230E+00	0.42821E-03	0.19680E-02
0.22057E+04	0.15033E-02	0.30235E+00	0.45453E-03	0.20890E-02
0.22058E+04	0.15918E-02	0.30240E+00	0.48135E-03	0.22122E-02
0.22059E+04	0.16807E-02	0.30245E+00	0.50832E-03	0.23362E-02
0.22060E+04	0.17703E-02	0.30250E+00	0.53553E-03	0.24612E-02
0.22061E+04	0.18605E-02	0.30256E+00	0.56292E-03	0.25871E-02
0.22062E+04	0.19521E-02	0.30262E+00	0.59076E-03	0.27151E-02
0.22063E+04	0.20447E-02	0.30268E+00	0.61891E-03	0.28445E-02
0.22064E+04	0.21375E-02	0.30274E+00	0.64710E-03	0.29740E-02
0.22065E+04	0.22312E-02	0.30281E+00	0.67562E-03	0.31051E-02
0.22066E+04	0.23258E-02	0.30286E+00	0.70441E-03	0.32374E-02
0.22067E+04	0.24208E-02	0.30292E+00	0.73332E-03	0.33702E-02
0.22068E+04	0.25162E-02	0.30298E+00	0.76233E-03	0.35036E-02
0.22069E+04	0.26118E-02	0.30303E+00	0.79146E-03	0.36375E-02
0.22070E+04	0.27075E-02	0.30309E+00	0.82061E-03	0.37714E-02
0.22071E+04	0.28035E-02	0.30314E+00	0.84984E-03	0.39058E-02
0.22072E+04	0.28995E-02	0.30319E+00	0.87911E-03	0.40403E-02
0.22073E+04	0.29980E-02	0.30324E+00	0.90911E-03	0.41782E-02
0.22074E+04	0.30981E-02	0.30329E+00	0.93963E-03	0.43184E-02
0.22075E+04	0.31992E-02	0.30334E+00	0.97045E-03	0.44601E-02
0.22076E+04	0.33010E-02	0.30339E+00	0.10015E-02	0.46027E-02
0.22077E+04	0.34029E-02	0.30343E+00	0.10326E-02	0.47456E-02
0.22078E+04	0.35050E-02	0.30348E+00	0.10637E-02	0.48885E-02
0.22079E+04	0.36071E-02	0.30352E+00	0.10948E-02	0.50318E-02
0.22080E+04	0.37094E-02	0.30357E+00	0.11260E-02	0.51752E-02
0.22081E+04	0.38121E-02	0.30360E+00	0.11574E-02	0.53191E-02
0.22082E+04	0.39156E-02	0.30363E+00	0.11889E-02	0.54641E-02
0.22083E+04	0.40200E-02	0.30367E+00	0.12207E-02	0.56104E-02

0.22084E+04	0.41273E-02	0.30370E+00	0.12534E-02	0.57607E-02
0.22085E+04	0.42386E-02	0.30373E+00	0.12874E-02	0.59167E-02
0.22086E+04	0.43511E-02	0.30376E+00	0.13217E-02	0.60744E-02
0.22087E+04	0.44659E-02	0.30379E+00	0.13567E-02	0.62353E-02
0.22088E+04	0.45810E-02	0.30383E+00	0.13918E-02	0.63967E-02
0.22089E+04	0.46983E-02	0.30386E+00	0.14276E-02	0.65612E-02
0.22090E+04	0.48192E-02	0.30389E+00	0.14645E-02	0.67308E-02
0.22091E+04	0.49441E-02	0.30392E+00	0.15026E-02	0.69059E-02
0.22092E+04	0.50705E-02	0.30396E+00	0.15412E-02	0.70833E-02
0.22093E+04	0.51972E-02	0.30399E+00	0.15799E-02	0.72612E-02
0.22094E+04	0.53344E-02	0.30403E+00	0.16218E-02	0.74537E-02
0.22095E+04	0.54821E-02	0.30406E+00	0.16669E-02	0.76608E-02
0.22096E+04	0.56299E-02	0.30410E+00	0.17121E-02	0.78685E-02
0.22097E+04	0.57924E-02	0.30414E+00	0.17617E-02	0.80966E-02
0.22098E+04	0.59644E-02	0.30418E+00	0.18142E-02	0.83380E-02
0.22099E+04	0.61431E-02	0.30422E+00	0.18689E-02	0.85891E-02
0.22100E+04	0.63355E-02	0.30426E+00	0.19276E-02	0.88591E-02
0.22101E+04	0.65366E-02	0.30429E+00	0.19890E-02	0.91412E-02
0.22102E+04	0.67380E-02	0.30432E+00	0.20505E-02	0.94239E-02
0.22103E+04	0.69437E-02	0.30435E+00	0.21133E-02	0.97125E-02
0.22104E+04	0.71557E-02	0.30438E+00	0.21780E-02	0.10010E-01
0.22105E+04	0.73746E-02	0.30441E+00	0.22449E-02	0.10317E-01
0.22106E+04	0.75986E-02	0.30445E+00	0.23134E-02	0.10632E-01
0.22107E+04	0.78268E-02	0.30448E+00	0.23831E-02	0.10953E-01
0.22108E+04	0.80553E-02	0.30452E+00	0.24530E-02	0.11274E-01
0.22109E+04	0.82865E-02	0.30456E+00	0.25237E-02	0.11599E-01
0.22110E+04	0.85227E-02	0.30460E+00	0.25960E-02	0.11931E-01
0.22111E+04	0.87594E-02	0.30464E+00	0.26685E-02	0.12264E-01
0.22112E+04	0.89976E-02	0.30468E+00	0.27414E-02	0.12599E-01
0.22113E+04	0.92389E-02	0.30472E+00	0.28153E-02	0.12939E-01
0.22114E+04	0.94844E-02	0.30477E+00	0.28905E-02	0.13285E-01
0.22115E+04	0.97299E-02	0.30481E+00	0.29658E-02	0.13630E-01
0.22116E+04	0.99760E-02	0.30485E+00	0.30412E-02	0.13977E-01
0.22117E+04	0.10222E-01	0.30490E+00	0.31167E-02	0.14324E-01
0.22118E+04	0.10476E-01	0.30494E+00	0.31945E-02	0.14681E-01
0.22119E+04	0.10731E-01	0.30498E+00	0.32727E-02	0.15041E-01
0.22120E+04	0.10988E-01	0.30503E+00	0.33516E-02	0.15403E-01
0.22121E+04	0.11249E-01	0.30508E+00	0.34319E-02	0.15773E-01
0.22122E+04	0.11511E-01	0.30513E+00	0.35123E-02	0.16142E-01
0.22123E+04	0.11775E-01	0.30518E+00	0.35936E-02	0.16516E-01
0.22124E+04	0.12046E-01	0.30523E+00	0.36768E-02	0.16898E-01
0.22125E+04	0.12322E-01	0.30528E+00	0.37616E-02	0.17288E-01
0.22126E+04	0.12610E-01	0.30533E+00	0.38503E-02	0.17696E-01

0.22127E+04	0.12899E-01	0.30538E+00	0.39392E-02	0.18104E-01
0.22128E+04	0.13191E-01	0.30543E+00	0.40289E-02	0.18517E-01
0.22129E+04	0.13494E-01	0.30548E+00	0.41221E-02	0.18945E-01
0.22130E+04	0.13799E-01	0.30552E+00	0.42159E-02	0.19376E-01
0.22131E+04	0.14105E-01	0.30557E+00	0.43102E-02	0.19809E-01
0.22132E+04	0.14455E-01	0.30561E+00	0.44177E-02	0.20303E-01
0.22133E+04	0.14890E-01	0.30566E+00	0.45513E-02	0.20917E-01
0.22134E+04	0.15395E-01	0.30572E+00	0.47064E-02	0.21630E-01
0.22135E+04	0.15961E-01	0.30577E+00	0.48804E-02	0.22430E-01
0.22136E+04	0.16569E-01	0.30582E+00	0.50673E-02	0.23289E-01
0.22137E+04	0.17217E-01	0.30587E+00	0.52663E-02	0.24203E-01
0.22138E+04	0.17893E-01	0.30592E+00	0.54740E-02	0.25158E-01
0.22139E+04	0.18601E-01	0.30597E+00	0.56915E-02	0.26158E-01
0.22140E+04	0.19344E-01	0.30603E+00	0.59196E-02	0.27206E-01
0.22141E+04	0.20117E-01	0.30608E+00	0.61575E-02	0.28299E-01
0.22142E+04	0.20900E-01	0.30613E+00	0.63983E-02	0.29406E-01
0.22143E+04	0.21688E-01	0.30619E+00	0.66407E-02	0.30520E-01
0.22144E+04	0.22478E-01	0.30625E+00	0.68837E-02	0.31637E-01
0.22145E+04	0.23279E-01	0.30630E+00	0.71303E-02	0.32770E-01
0.22146E+04	0.24089E-01	0.30635E+00	0.73797E-02	0.33916E-01
0.22147E+04	0.24899E-01	0.30641E+00	0.76291E-02	0.35063E-01
0.22148E+04	0.25727E-01	0.30646E+00	0.78843E-02	0.36235E-01
0.22149E+04	0.26594E-01	0.30651E+00	0.81515E-02	0.37463E-01
0.22150E+04	0.27517E-01	0.30657E+00	0.84358E-02	0.38770E-01
0.22151E+04	0.28513E-01	0.30662E+00	0.87426E-02	0.40180E-01
0.22152E+04	0.29555E-01	0.30668E+00	0.90638E-02	0.41656E-01
0.22153E+04	0.30637E-01	0.30674E+00	0.93974E-02	0.43190E-01
0.22154E+04	0.31763E-01	0.30679E+00	0.97447E-02	0.44786E-01
0.22155E+04	0.32938E-01	0.30685E+00	0.10107E-01	0.46451E-01
0.22156E+04	0.34165E-01	0.30690E+00	0.10485E-01	0.48190E-01
0.22157E+04	0.35452E-01	0.30696E+00	0.10882E-01	0.50014E-01
0.22158E+04	0.36789E-01	0.30702E+00	0.11295E-01	0.51910E-01
0.22159E+04	0.38185E-01	0.30707E+00	0.11726E-01	0.53889E-01
0.22160E+04	0.39639E-01	0.30713E+00	0.12174E-01	0.55952E-01
0.22161E+04	0.41164E-01	0.30719E+00	0.12645E-01	0.58116E-01
0.22162E+04	0.42798E-01	0.30725E+00	0.13150E-01	0.60435E-01
0.22163E+04	0.44574E-01	0.30732E+00	0.13699E-01	0.62958E-01
0.22164E+04	0.46475E-01	0.30738E+00	0.14286E-01	0.65655E-01
0.22165E+04	0.48486E-01	0.30745E+00	0.14907E-01	0.68511E-01
0.22166E+04	0.50593E-01	0.30751E+00	0.15558E-01	0.71503E-01
0.22167E+04	0.52802E-01	0.30758E+00	0.16240E-01	0.74640E-01
0.22168E+04	0.55099E-01	0.30764E+00	0.16951E-01	0.77903E-01
0.22169E+04	0.57490E-01	0.30770E+00	0.17690E-01	0.81301E-01

0.22170E+04	0.59978E-01	0.30777E+00	0.18459E-01	0.84837E-01
0.22171E+04	0.62558E-01	0.30783E+00	0.19257E-01	0.88504E-01
0.22172E+04	0.65237E-01	0.30789E+00	0.20086E-01	0.92314E-01
0.22173E+04	0.68026E-01	0.30796E+00	0.20949E-01	0.96279E-01
0.22174E+04	0.70920E-01	0.30802E+00	0.21845E-01	0.10040E+00
0.22175E+04	0.73924E-01	0.30808E+00	0.22775E-01	0.10467E+00
0.22176E+04	0.77036E-01	0.30814E+00	0.23738E-01	0.10910E+00
0.22177E+04	0.80267E-01	0.30820E+00	0.24739E-01	0.11370E+00
0.22178E+04	0.83631E-01	0.30827E+00	0.25781E-01	0.11849E+00
0.22179E+04	0.87146E-01	0.30833E+00	0.26870E-01	0.12349E+00
0.22180E+04	0.90826E-01	0.30839E+00	0.28010E-01	0.12873E+00
0.22181E+04	0.94687E-01	0.30844E+00	0.29206E-01	0.13423E+00
0.22182E+04	0.98696E-01	0.30850E+00	0.30448E-01	0.13994E+00
0.22183E+04	0.10283E+00	0.30856E+00	0.31728E-01	0.14582E+00
0.22184E+04	0.10709E+00	0.30862E+00	0.33050E-01	0.15190E+00
0.22185E+04	0.11152E+00	0.30867E+00	0.34422E-01	0.15820E+00
0.22186E+04	0.11611E+00	0.30873E+00	0.35847E-01	0.16475E+00
0.22187E+04	0.12089E+00	0.30879E+00	0.37328E-01	0.17156E+00
0.22188E+04	0.12585E+00	0.30884E+00	0.38867E-01	0.17863E+00
0.22189E+04	0.13099E+00	0.30890E+00	0.40463E-01	0.18597E+00
0.22190E+04	0.13632E+00	0.30896E+00	0.42117E-01	0.19356E+00
0.22191E+04	0.14182E+00	0.30901E+00	0.43824E-01	0.20141E+00
0.22192E+04	0.14746E+00	0.30907E+00	0.45574E-01	0.20945E+00
0.22193E+04	0.15322E+00	0.30913E+00	0.47363E-01	0.21768E+00
0.22194E+04	0.15910E+00	0.30918E+00	0.49191E-01	0.22608E+00
0.22195E+04	0.16511E+00	0.30924E+00	0.51059E-01	0.23466E+00
0.22196E+04	0.17130E+00	0.30930E+00	0.52982E-01	0.24350E+00
0.22197E+04	0.17768E+00	0.30936E+00	0.54966E-01	0.25262E+00
0.22198E+04	0.18425E+00	0.30942E+00	0.57009E-01	0.26201E+00
0.22199E+04	0.19100E+00	0.30948E+00	0.59110E-01	0.27166E+00
0.22200E+04	0.19790E+00	0.30954E+00	0.61257E-01	0.28153E+00
0.22201E+04	0.20493E+00	0.30959E+00	0.63445E-01	0.29158E+00
0.22202E+04	0.21212E+00	0.30965E+00	0.65682E-01	0.30187E+00
0.22203E+04	0.21948E+00	0.30971E+00	0.67973E-01	0.31240E+00
0.22204E+04	0.22697E+00	0.30976E+00	0.70307E-01	0.32312E+00
0.22205E+04	0.23459E+00	0.30982E+00	0.72680E-01	0.33403E+00
0.22206E+04	0.24233E+00	0.30988E+00	0.75093E-01	0.34512E+00
0.22207E+04	0.25019E+00	0.30994E+00	0.77543E-01	0.35638E+00
0.22208E+04	0.25817E+00	0.31000E+00	0.80031E-01	0.36782E+00
0.22209E+04	0.26625E+00	0.31006E+00	0.82553E-01	0.37941E+00
0.22210E+04	0.27443E+00	0.31012E+00	0.85105E-01	0.39114E+00
0.22211E+04	0.28268E+00	0.31018E+00	0.87683E-01	0.40298E+00
0.22212E+04	0.29096E+00	0.31025E+00	0.90268E-01	0.41486E+00

0.22213E+04	0.29924E+00	0.31031E+00	0.92857E-01	0.42676E+00
0.22214E+04	0.30754E+00	0.31037E+00	0.95452E-01	0.43869E+00
0.22215E+04	0.31586E+00	0.31044E+00	0.98054E-01	0.45065E+00
0.22216E+04	0.32418E+00	0.31050E+00	0.10066E+00	0.46261E+00
0.22217E+04	0.33246E+00	0.31057E+00	0.10325E+00	0.47454E+00
0.22218E+04	0.34073E+00	0.31064E+00	0.10584E+00	0.48644E+00
0.22219E+04	0.34897E+00	0.31070E+00	0.10843E+00	0.49832E+00
0.22220E+04	0.35720E+00	0.31077E+00	0.11101E+00	0.51018E+00
0.22221E+04	0.36543E+00	0.31084E+00	0.11359E+00	0.52205E+00
0.22222E+04	0.37359E+00	0.31091E+00	0.11616E+00	0.53384E+00
0.22223E+04	0.38168E+00	0.31099E+00	0.11870E+00	0.54552E+00
0.22224E+04	0.38968E+00	0.31106E+00	0.12121E+00	0.55709E+00
0.22225E+04	0.39759E+00	0.31113E+00	0.12370E+00	0.56852E+00
0.22226E+04	0.40539E+00	0.31120E+00	0.12616E+00	0.57982E+00
0.22227E+04	0.41309E+00	0.31128E+00	0.12859E+00	0.59097E+00
0.22228E+04	0.42069E+00	0.31135E+00	0.13098E+00	0.60198E+00
0.22229E+04	0.42819E+00	0.31143E+00	0.13335E+00	0.61286E+00
0.22230E+04	0.43560E+00	0.31150E+00	0.13569E+00	0.62362E+00
0.22231E+04	0.44294E+00	0.31158E+00	0.13801E+00	0.63429E+00
0.22232E+04	0.45023E+00	0.31165E+00	0.14031E+00	0.64487E+00
0.22233E+04	0.45744E+00	0.31173E+00	0.14260E+00	0.65536E+00
0.22234E+04	0.46453E+00	0.31181E+00	0.14484E+00	0.66568E+00
0.22235E+04	0.47150E+00	0.31188E+00	0.14705E+00	0.67584E+00
0.22236E+04	0.47836E+00	0.31196E+00	0.14923E+00	0.68584E+00
0.22237E+04	0.48512E+00	0.31203E+00	0.15137E+00	0.69569E+00
0.22238E+04	0.49176E+00	0.31211E+00	0.15348E+00	0.70539E+00
0.22239E+04	0.49830E+00	0.31218E+00	0.15556E+00	0.71494E+00
0.22240E+04	0.50468E+00	0.31226E+00	0.15759E+00	0.72427E+00
0.22241E+04	0.51088E+00	0.31234E+00	0.15957E+00	0.73336E+00
0.22242E+04	0.51691E+00	0.31243E+00	0.16149E+00	0.74221E+00
0.22243E+04	0.52278E+00	0.31251E+00	0.16337E+00	0.75085E+00
0.22244E+04	0.52850E+00	0.31260E+00	0.16521E+00	0.75928E+00
0.22245E+04	0.53409E+00	0.31268E+00	0.16700E+00	0.76751E+00
0.22246E+04	0.53954E+00	0.31276E+00	0.16875E+00	0.77554E+00
0.22247E+04	0.54487E+00	0.31284E+00	0.17046E+00	0.78340E+00
0.22248E+04	0.55007E+00	0.31292E+00	0.17213E+00	0.79109E+00
0.22249E+04	0.55516E+00	0.31300E+00	0.17376E+00	0.79860E+00
0.22250E+04	0.56011E+00	0.31308E+00	0.17536E+00	0.80593E+00
0.22251E+04	0.56492E+00	0.31315E+00	0.17690E+00	0.81303E+00
0.22252E+04	0.56954E+00	0.31322E+00	0.17839E+00	0.81986E+00
0.22253E+04	0.57396E+00	0.31329E+00	0.17982E+00	0.82641E+00
0.22254E+04	0.57823E+00	0.31336E+00	0.18119E+00	0.83274E+00
0.22255E+04	0.58234E+00	0.31343E+00	0.18252E+00	0.83885E+00

0.22256E+04	0.58629E+00	0.31349E+00	0.18379E+00	0.84470E+00
0.22257E+04	0.59006E+00	0.31355E+00	0.18501E+00	0.85031E+00
0.22258E+04	0.59365E+00	0.31361E+00	0.18618E+00	0.85566E+00
0.22259E+04	0.59707E+00	0.31368E+00	0.18729E+00	0.86076E+00
0.22260E+04	0.60034E+00	0.31374E+00	0.18835E+00	0.86564E+00
0.22261E+04	0.60348E+00	0.31380E+00	0.18937E+00	0.87035E+00
0.22262E+04	0.60650E+00	0.31386E+00	0.19036E+00	0.87487E+00
0.22263E+04	0.60940E+00	0.31392E+00	0.19131E+00	0.87923E+00
0.22264E+04	0.61219E+00	0.31399E+00	0.19222E+00	0.88342E+00
0.22265E+04	0.61486E+00	0.31405E+00	0.19310E+00	0.88745E+00
0.22266E+04	0.61744E+00	0.31410E+00	0.19394E+00	0.89133E+00
0.22267E+04	0.61990E+00	0.31416E+00	0.19475E+00	0.89504E+00
0.22268E+04	0.62221E+00	0.31422E+00	0.19551E+00	0.89854E+00
0.22269E+04	0.62437E+00	0.31427E+00	0.19622E+00	0.90182E+00
0.22270E+04	0.62639E+00	0.31433E+00	0.19689E+00	0.90490E+00
0.22271E+04	0.62829E+00	0.31438E+00	0.19752E+00	0.90780E+00
0.22272E+04	0.63012E+00	0.31444E+00	0.19813E+00	0.91060E+00
0.22273E+04	0.63189E+00	0.31448E+00	0.19872E+00	0.91328E+00
0.22274E+04	0.63357E+00	0.31452E+00	0.19927E+00	0.91583E+00
0.22275E+04	0.63516E+00	0.31456E+00	0.19980E+00	0.91825E+00
0.22276E+04	0.63667E+00	0.31461E+00	0.20030E+00	0.92056E+00
0.22277E+04	0.63810E+00	0.31465E+00	0.20078E+00	0.92275E+00
0.22278E+04	0.63947E+00	0.31469E+00	0.20123E+00	0.92486E+00
0.22279E+04	0.64081E+00	0.31473E+00	0.20168E+00	0.92692E+00
0.22280E+04	0.64210E+00	0.31478E+00	0.20212E+00	0.92891E+00
0.22281E+04	0.64331E+00	0.31482E+00	0.20253E+00	0.93081E+00
0.22282E+04	0.64445E+00	0.31487E+00	0.20292E+00	0.93260E+00
0.22283E+04	0.64554E+00	0.31492E+00	0.20329E+00	0.93432E+00
0.22284E+04	0.64658E+00	0.31497E+00	0.20366E+00	0.93598E+00
0.22285E+04	0.64758E+00	0.31502E+00	0.20400E+00	0.93758E+00
0.22286E+04	0.64852E+00	0.31508E+00	0.20433E+00	0.93910E+00
0.22287E+04	0.64938E+00	0.31513E+00	0.20464E+00	0.94052E+00
0.22288E+04	0.65021E+00	0.31519E+00	0.20494E+00	0.94188E+00
0.22289E+04	0.65100E+00	0.31525E+00	0.20523E+00	0.94320E+00
0.22290E+04	0.65180E+00	0.31530E+00	0.20551E+00	0.94452E+00
0.22291E+04	0.65260E+00	0.31536E+00	0.20581E+00	0.94587E+00
0.22292E+04	0.65337E+00	0.31543E+00	0.20609E+00	0.94717E+00
0.22293E+04	0.65410E+00	0.31549E+00	0.20636E+00	0.94841E+00
0.22294E+04	0.65479E+00	0.31555E+00	0.20662E+00	0.94960E+00
0.22295E+04	0.65547E+00	0.31561E+00	0.20688E+00	0.95078E+00
0.22296E+04	0.65615E+00	0.31568E+00	0.20713E+00	0.95197E+00
0.22297E+04	0.65685E+00	0.31575E+00	0.20740E+00	0.95318E+00
0.22298E+04	0.65754E+00	0.31581E+00	0.20766E+00	0.95438E+00

0.22299E+04	0.65819E+00	0.31588E+00	0.20791E+00	0.95553E+00
0.22300E+04	0.65883E+00	0.31595E+00	0.20815E+00	0.95666E+00
0.22301E+04	0.65943E+00	0.31599E+00	0.20837E+00	0.95767E+00
0.22302E+04	0.66001E+00	0.31603E+00	0.20858E+00	0.95864E+00
0.22303E+04	0.66056E+00	0.31608E+00	0.20879E+00	0.95957E+00
0.22304E+04	0.66108E+00	0.31612E+00	0.20898E+00	0.96046E+00
0.22305E+04	0.66158E+00	0.31617E+00	0.20917E+00	0.96132E+00
0.22306E+04	0.66211E+00	0.31621E+00	0.20937E+00	0.96223E+00
0.22307E+04	0.66270E+00	0.31625E+00	0.20958E+00	0.96321E+00
0.22308E+04	0.66333E+00	0.31630E+00	0.20981E+00	0.96425E+00
0.22309E+04	0.66398E+00	0.31634E+00	0.21004E+00	0.96533E+00
0.22310E+04	0.66460E+00	0.31638E+00	0.21027E+00	0.96636E+00
0.22311E+04	0.66519E+00	0.31642E+00	0.21048E+00	0.96734E+00
0.22312E+04	0.66579E+00	0.31646E+00	0.21070E+00	0.96833E+00
0.22313E+04	0.66641E+00	0.31650E+00	0.21092E+00	0.96935E+00
0.22314E+04	0.66705E+00	0.31653E+00	0.21115E+00	0.97040E+00
0.22315E+04	0.66773E+00	0.31657E+00	0.21139E+00	0.97151E+00
0.22316E+04	0.66844E+00	0.31661E+00	0.21163E+00	0.97264E+00
0.22317E+04	0.66917E+00	0.31664E+00	0.21189E+00	0.97381E+00
0.22318E+04	0.66993E+00	0.31668E+00	0.21215E+00	0.97502E+00
0.22319E+04	0.67073E+00	0.31671E+00	0.21243E+00	0.97630E+00
0.22320E+04	0.67157E+00	0.31674E+00	0.21271E+00	0.97761E+00
0.22321E+04	0.67242E+00	0.31676E+00	0.21299E+00	0.97890E+00
0.22322E+04	0.67324E+00	0.31677E+00	0.21326E+00	0.98013E+00
0.22323E+04	0.67400E+00	0.31679E+00	0.21351E+00	0.98129E+00
0.22324E+04	0.67472E+00	0.31680E+00	0.21375E+00	0.98239E+00
0.22325E+04	0.67540E+00	0.31682E+00	0.21398E+00	0.98342E+00
0.22326E+04	0.67604E+00	0.31683E+00	0.21419E+00	0.98440E+00
0.22327E+04	0.67666E+00	0.31684E+00	0.21439E+00	0.98533E+00
0.22328E+04	0.67728E+00	0.31686E+00	0.21460E+00	0.98628E+00
0.22329E+04	0.67793E+00	0.31687E+00	0.21481E+00	0.98727E+00
0.22330E+04	0.67865E+00	0.31688E+00	0.21505E+00	0.98837E+00
0.22331E+04	0.67945E+00	0.31690E+00	0.21532E+00	0.98958E+00
0.22332E+04	0.68027E+00	0.31691E+00	0.21558E+00	0.99081E+00
0.22333E+04	0.68106E+00	0.31692E+00	0.21584E+00	0.99200E+00
0.22334E+04	0.68178E+00	0.31694E+00	0.21608E+00	0.99309E+00
0.22335E+04	0.68242E+00	0.31695E+00	0.21629E+00	0.99406E+00
0.22336E+04	0.68296E+00	0.31697E+00	0.21648E+00	0.99491E+00
0.22337E+04	0.68343E+00	0.31698E+00	0.21664E+00	0.99564E+00
0.22338E+04	0.68382E+00	0.31700E+00	0.21677E+00	0.99626E+00
0.22339E+04	0.68414E+00	0.31702E+00	0.21689E+00	0.99678E+00
0.22340E+04	0.68444E+00	0.31704E+00	0.21699E+00	0.99728E+00
0.22341E+04	0.68472E+00	0.31709E+00	0.21712E+00	0.99785E+00

0.22342E+04	0.68498E+00	0.31714E+00	0.21724E+00	0.99840E+00
0.22343E+04	0.68522E+00	0.31719E+00	0.21735E+00	0.99890E+00
0.22344E+04	0.68539E+00	0.31724E+00	0.21744E+00	0.99931E+00
0.22345E+04	0.68548E+00	0.31730E+00	0.21750E+00	0.99960E+00
0.22346E+04	0.68550E+00	0.31735E+00	0.21754E+00	0.99980E+00
0.22347E+04	0.68545E+00	0.31740E+00	0.21757E+00	0.99991E+00
0.22348E+04	0.68538E+00	0.31746E+00	0.21758E+00	0.99997E+00
0.22349E+04	0.68528E+00	0.31751E+00	0.21759E+00	0.10000E+01
0.22350E+04	0.68510E+00	0.31757E+00	0.21757E+00	0.99991E+00
0.22351E+04	0.68483E+00	0.31763E+00	0.21753E+00	0.99973E+00
0.22352E+04	0.68452E+00	0.31770E+00	0.21747E+00	0.99946E+00
0.22353E+04	0.68414E+00	0.31776E+00	0.21739E+00	0.99911E+00
0.22354E+04	0.68370E+00	0.31782E+00	0.21730E+00	0.99867E+00
0.22355E+04	0.68319E+00	0.31789E+00	0.21718E+00	0.99813E+00
0.22356E+04	0.68259E+00	0.31795E+00	0.21703E+00	0.99744E+00
0.22357E+04	0.68190E+00	0.31801E+00	0.21685E+00	0.99663E+00
0.22358E+04	0.68114E+00	0.31807E+00	0.21665E+00	0.99571E+00
0.22359E+04	0.68032E+00	0.31814E+00	0.21643E+00	0.99470E+00
0.22360E+04	0.67944E+00	0.31819E+00	0.21620E+00	0.99361E+00
0.22361E+04	0.67852E+00	0.31823E+00	0.21592E+00	0.99237E+00
0.22362E+04	0.67751E+00	0.31827E+00	0.21563E+00	0.99101E+00
0.22363E+04	0.67643E+00	0.31830E+00	0.21531E+00	0.98955E+00
0.22364E+04	0.67531E+00	0.31834E+00	0.21498E+00	0.98801E+00
0.22365E+04	0.67413E+00	0.31838E+00	0.21463E+00	0.98640E+00
0.22366E+04	0.67288E+00	0.31841E+00	0.21425E+00	0.98466E+00
0.22367E+04	0.67151E+00	0.31844E+00	0.21384E+00	0.98276E+00
0.22368E+04	0.66998E+00	0.31846E+00	0.21336E+00	0.98060E+00
0.22369E+04	0.66826E+00	0.31849E+00	0.21284E+00	0.97817E+00
0.22370E+04	0.66640E+00	0.31851E+00	0.21226E+00	0.97552E+00
0.22371E+04	0.66440E+00	0.31854E+00	0.21164E+00	0.97266E+00
0.22372E+04	0.66229E+00	0.31856E+00	0.21098E+00	0.96965E+00
0.22373E+04	0.66009E+00	0.31858E+00	0.21029E+00	0.96649E+00
0.22374E+04	0.65777E+00	0.31861E+00	0.20957E+00	0.96317E+00
0.22375E+04	0.65535E+00	0.31863E+00	0.20881E+00	0.95969E+00
0.22376E+04	0.65285E+00	0.31865E+00	0.20803E+00	0.95610E+00
0.22377E+04	0.65027E+00	0.31867E+00	0.20722E+00	0.95238E+00
0.22378E+04	0.64755E+00	0.31870E+00	0.20637E+00	0.94847E+00
0.22379E+04	0.64468E+00	0.31872E+00	0.20547E+00	0.94433E+00
0.22380E+04	0.64167E+00	0.31874E+00	0.20453E+00	0.93998E+00
0.22381E+04	0.63852E+00	0.31876E+00	0.20353E+00	0.93542E+00
0.22382E+04	0.63525E+00	0.31878E+00	0.20250E+00	0.93069E+00
0.22383E+04	0.63187E+00	0.31879E+00	0.20144E+00	0.92578E+00
0.22384E+04	0.62838E+00	0.31881E+00	0.20033E+00	0.92071E+00

0.22385E+04	0.62476E+00	0.31883E+00	0.19919E+00	0.91547E+00
0.22386E+04	0.62103E+00	0.31885E+00	0.19802E+00	0.91006E+00
0.22387E+04	0.61717E+00	0.31887E+00	0.19680E+00	0.90447E+00
0.22388E+04	0.61320E+00	0.31890E+00	0.19555E+00	0.89871E+00
0.22389E+04	0.60910E+00	0.31892E+00	0.19425E+00	0.89277E+00
0.22390E+04	0.60484E+00	0.31894E+00	0.19291E+00	0.88658E+00
0.22391E+04	0.60038E+00	0.31897E+00	0.19151E+00	0.88014E+00
0.22392E+04	0.59574E+00	0.31900E+00	0.19004E+00	0.87341E+00
0.22393E+04	0.59091E+00	0.31903E+00	0.18852E+00	0.86641E+00
0.22394E+04	0.58593E+00	0.31906E+00	0.18695E+00	0.85920E+00
0.22395E+04	0.58083E+00	0.31909E+00	0.18534E+00	0.85180E+00
0.22396E+04	0.57561E+00	0.31913E+00	0.18369E+00	0.84424E+00
0.22397E+04	0.57029E+00	0.31916E+00	0.18202E+00	0.83653E+00
0.22398E+04	0.56490E+00	0.31920E+00	0.18032E+00	0.82871E+00
0.22399E+04	0.55946E+00	0.31924E+00	0.17860E+00	0.82083E+00
0.22400E+04	0.55395E+00	0.31928E+00	0.17686E+00	0.81285E+00
0.22401E+04	0.54836E+00	0.31934E+00	0.17512E+00	0.80481E+00
0.22402E+04	0.54262E+00	0.31941E+00	0.17332E+00	0.79656E+00
0.22403E+04	0.53673E+00	0.31948E+00	0.17147E+00	0.78808E+00
0.22404E+04	0.53069E+00	0.31954E+00	0.16958E+00	0.77937E+00
0.22405E+04	0.52450E+00	0.31961E+00	0.16764E+00	0.77044E+00
0.22406E+04	0.51821E+00	0.31968E+00	0.16566E+00	0.76135E+00
0.22407E+04	0.51183E+00	0.31974E+00	0.16365E+00	0.75214E+00
0.22408E+04	0.50537E+00	0.31981E+00	0.16162E+00	0.74280E+00
0.22409E+04	0.49881E+00	0.31988E+00	0.15956E+00	0.73332E+00
0.22410E+04	0.49218E+00	0.31994E+00	0.15747E+00	0.72372E+00
0.22411E+04	0.48547E+00	0.32001E+00	0.15536E+00	0.71400E+00
0.22412E+04	0.47868E+00	0.32007E+00	0.15321E+00	0.70415E+00
0.22413E+04	0.47180E+00	0.32013E+00	0.15104E+00	0.69415E+00
0.22414E+04	0.46481E+00	0.32020E+00	0.14883E+00	0.68401E+00
0.22415E+04	0.45773E+00	0.32026E+00	0.14659E+00	0.67373E+00
0.22416E+04	0.45059E+00	0.32032E+00	0.14433E+00	0.66333E+00
0.22417E+04	0.44338E+00	0.32037E+00	0.14205E+00	0.65283E+00
0.22418E+04	0.43612E+00	0.32043E+00	0.13975E+00	0.64226E+00
0.22419E+04	0.42880E+00	0.32049E+00	0.13742E+00	0.63158E+00
0.22420E+04	0.42136E+00	0.32054E+00	0.13506E+00	0.62074E+00
0.22421E+04	0.41383E+00	0.32058E+00	0.13266E+00	0.60971E+00
0.22422E+04	0.40623E+00	0.32061E+00	0.13024E+00	0.59859E+00
0.22423E+04	0.39860E+00	0.32065E+00	0.12781E+00	0.58741E+00
0.22424E+04	0.39094E+00	0.32069E+00	0.12537E+00	0.57618E+00
0.22425E+04	0.38325E+00	0.32072E+00	0.12292E+00	0.56491E+00
0.22426E+04	0.37558E+00	0.32075E+00	0.12047E+00	0.55365E+00
0.22427E+04	0.36794E+00	0.32078E+00	0.11803E+00	0.54244E+00

0.22428E+04	0.36035E+00	0.32081E+00	0.11561E+00	0.53131E+00
0.22429E+04	0.35283E+00	0.32084E+00	0.11320E+00	0.52027E+00
0.22430E+04	0.34536E+00	0.32087E+00	0.11082E+00	0.50931E+00
0.22431E+04	0.33794E+00	0.32090E+00	0.10844E+00	0.49840E+00
0.22432E+04	0.33053E+00	0.32093E+00	0.10608E+00	0.48751E+00
0.22433E+04	0.32313E+00	0.32095E+00	0.10371E+00	0.47664E+00
0.22434E+04	0.31578E+00	0.32098E+00	0.10136E+00	0.46583E+00
0.22435E+04	0.30847E+00	0.32100E+00	0.99020E-01	0.45509E+00
0.22436E+04	0.30119E+00	0.32103E+00	0.96693E-01	0.44439E+00
0.22437E+04	0.29395E+00	0.32106E+00	0.94374E-01	0.43373E+00
0.22438E+04	0.28672E+00	0.32109E+00	0.92063E-01	0.42311E+00
0.22439E+04	0.27955E+00	0.32111E+00	0.89767E-01	0.41256E+00
0.22440E+04	0.27246E+00	0.32114E+00	0.87496E-01	0.40212E+00
0.22441E+04	0.26544E+00	0.32117E+00	0.85253E-01	0.39181E+00
0.22442E+04	0.25852E+00	0.32120E+00	0.83036E-01	0.38162E+00
0.22443E+04	0.25166E+00	0.32123E+00	0.80840E-01	0.37153E+00
0.22444E+04	0.24487E+00	0.32126E+00	0.78669E-01	0.36155E+00
0.22445E+04	0.23820E+00	0.32129E+00	0.76530E-01	0.35173E+00
0.22446E+04	0.23163E+00	0.32133E+00	0.74430E-01	0.34207E+00
0.22447E+04	0.22517E+00	0.32136E+00	0.72362E-01	0.33257E+00
0.22448E+04	0.21880E+00	0.32140E+00	0.70321E-01	0.32319E+00
0.22449E+04	0.21251E+00	0.32143E+00	0.68308E-01	0.31394E+00
0.22450E+04	0.20632E+00	0.32146E+00	0.66326E-01	0.30483E+00
0.22451E+04	0.20021E+00	0.32149E+00	0.64367E-01	0.29583E+00
0.22452E+04	0.19420E+00	0.32152E+00	0.62440E-01	0.28697E+00
0.22453E+04	0.18831E+00	0.32155E+00	0.60551E-01	0.27829E+00
0.22454E+04	0.18253E+00	0.32157E+00	0.58696E-01	0.26976E+00
0.22455E+04	0.17685E+00	0.32160E+00	0.56876E-01	0.26140E+00
0.22456E+04	0.17129E+00	0.32163E+00	0.55093E-01	0.25320E+00
0.22457E+04	0.16585E+00	0.32166E+00	0.53347E-01	0.24518E+00
0.22458E+04	0.16052E+00	0.32169E+00	0.51638E-01	0.23732E+00
0.22459E+04	0.15530E+00	0.32172E+00	0.49964E-01	0.22963E+00
0.22460E+04	0.15017E+00	0.32175E+00	0.48317E-01	0.22206E+00
0.22461E+04	0.14512E+00	0.32179E+00	0.46700E-01	0.21463E+00
0.22462E+04	0.14018E+00	0.32184E+00	0.45117E-01	0.20735E+00
0.22463E+04	0.13536E+00	0.32189E+00	0.43571E-01	0.20025E+00
0.22464E+04	0.13065E+00	0.32193E+00	0.42060E-01	0.19330E+00
0.22465E+04	0.12605E+00	0.32198E+00	0.40585E-01	0.18652E+00
0.22466E+04	0.12155E+00	0.32202E+00	0.39142E-01	0.17989E+00
0.22467E+04	0.11717E+00	0.32207E+00	0.37738E-01	0.17344E+00
0.22468E+04	0.11295E+00	0.32211E+00	0.36382E-01	0.16721E+00
0.22469E+04	0.10887E+00	0.32215E+00	0.35072E-01	0.16119E+00
0.22470E+04	0.10491E+00	0.32220E+00	0.33801E-01	0.15534E+00

0.22471E+04	0.10106E+00	0.32224E+00	0.32564E-01	0.14966E+00
0.22472E+04	0.97303E-01	0.32228E+00	0.31359E-01	0.14412E+00
0.22473E+04	0.93651E-01	0.32232E+00	0.30186E-01	0.13873E+00
0.22474E+04	0.90115E-01	0.32236E+00	0.29049E-01	0.13351E+00
0.22475E+04	0.86712E-01	0.32240E+00	0.27956E-01	0.12848E+00
0.22476E+04	0.83468E-01	0.32244E+00	0.26913E-01	0.12369E+00
0.22477E+04	0.80372E-01	0.32248E+00	0.25918E-01	0.11912E+00
0.22478E+04	0.77376E-01	0.32252E+00	0.24955E-01	0.11469E+00
0.22479E+04	0.74478E-01	0.32256E+00	0.24023E-01	0.11041E+00
0.22480E+04	0.71687E-01	0.32259E+00	0.23126E-01	0.10628E+00
0.22481E+04	0.68999E-01	0.32264E+00	0.22262E-01	0.10231E+00
0.22482E+04	0.66412E-01	0.32269E+00	0.21430E-01	0.98492E-01
0.22483E+04	0.63933E-01	0.32273E+00	0.20633E-01	0.94829E-01
0.22484E+04	0.61559E-01	0.32278E+00	0.19870E-01	0.91321E-01
0.22485E+04	0.59290E-01	0.32283E+00	0.19140E-01	0.87967E-01
0.22486E+04	0.57108E-01	0.32288E+00	0.18439E-01	0.84743E-01
0.22487E+04	0.55004E-01	0.32293E+00	0.17762E-01	0.81634E-01
0.22488E+04	0.52963E-01	0.32298E+00	0.17106E-01	0.78616E-01
0.22489E+04	0.50979E-01	0.32303E+00	0.16467E-01	0.75683E-01
0.22490E+04	0.49053E-01	0.32307E+00	0.15848E-01	0.72834E-01
0.22491E+04	0.47202E-01	0.32313E+00	0.15252E-01	0.70098E-01
0.22492E+04	0.45442E-01	0.32318E+00	0.14686E-01	0.67496E-01
0.22493E+04	0.43766E-01	0.32324E+00	0.14147E-01	0.65019E-01
0.22494E+04	0.42154E-01	0.32330E+00	0.13628E-01	0.62634E-01
0.22495E+04	0.40611E-01	0.32335E+00	0.13132E-01	0.60351E-01
0.22496E+04	0.39150E-01	0.32341E+00	0.12662E-01	0.58191E-01
0.22497E+04	0.37762E-01	0.32347E+00	0.12215E-01	0.56139E-01
0.22498E+04	0.36423E-01	0.32354E+00	0.11784E-01	0.54159E-01
0.22499E+04	0.35122E-01	0.32360E+00	0.11366E-01	0.52235E-01
0.22500E+04	0.33856E-01	0.32366E+00	0.10958E-01	0.50361E-01
0.22501E+04	0.32627E-01	0.32373E+00	0.10563E-01	0.48545E-01
0.22502E+04	0.31432E-01	0.32381E+00	0.10178E-01	0.46778E-01
0.22503E+04	0.30295E-01	0.32389E+00	0.98122E-02	0.45096E-01
0.22504E+04	0.29251E-01	0.32397E+00	0.94762E-02	0.43552E-01
0.22505E+04	0.28291E-01	0.32404E+00	0.91675E-02	0.42133E-01
0.22506E+04	0.27363E-01	0.32412E+00	0.88690E-02	0.40761E-01
0.22507E+04	0.26453E-01	0.32421E+00	0.85761E-02	0.39415E-01
0.22508E+04	0.25564E-01	0.32429E+00	0.82902E-02	0.38101E-01
0.22509E+04	0.24701E-01	0.32437E+00	0.80121E-02	0.36823E-01
0.22510E+04	0.23876E-01	0.32445E+00	0.77466E-02	0.35603E-01
0.22511E+04	0.23098E-01	0.32453E+00	0.74962E-02	0.34452E-01
0.22512E+04	0.22380E-01	0.32462E+00	0.72650E-02	0.33389E-01
0.22513E+04	0.21740E-01	0.32470E+00	0.70591E-02	0.32443E-01

0.22514E+04	0.21156E-01	0.32478E+00	0.68710E-02	0.31579E-01
0.22515E+04	0.20598E-01	0.32487E+00	0.66915E-02	0.30753E-01
0.22516E+04	0.20061E-01	0.32495E+00	0.65189E-02	0.29960E-01
0.22517E+04	0.19545E-01	0.32504E+00	0.63530E-02	0.29198E-01
0.22518E+04	0.19030E-01	0.32512E+00	0.61870E-02	0.28435E-01
0.22519E+04	0.18505E-01	0.32520E+00	0.60179E-02	0.27658E-01
0.22520E+04	0.17972E-01	0.32529E+00	0.58463E-02	0.26869E-01
0.22521E+04	0.17452E-01	0.32535E+00	0.56779E-02	0.26095E-01
0.22522E+04	0.16963E-01	0.32541E+00	0.55200E-02	0.25369E-01
0.22523E+04	0.16487E-01	0.32547E+00	0.53660E-02	0.24662E-01
0.22524E+04	0.16013E-01	0.32554E+00	0.52128E-02	0.23957E-01
0.22525E+04	0.15545E-01	0.32560E+00	0.50613E-02	0.23261E-01
0.22526E+04	0.15078E-01	0.32566E+00	0.49104E-02	0.22568E-01
0.22527E+04	0.14612E-01	0.32572E+00	0.47596E-02	0.21874E-01
0.22528E+04	0.14149E-01	0.32578E+00	0.46096E-02	0.21185E-01
0.22529E+04	0.13687E-01	0.32584E+00	0.44597E-02	0.20496E-01
0.22530E+04	0.13226E-01	0.32590E+00	0.43103E-02	0.19810E-01
0.22531E+04	0.12767E-01	0.32596E+00	0.41614E-02	0.19125E-01
0.22532E+04	0.12308E-01	0.32602E+00	0.40127E-02	0.18442E-01
0.22533E+04	0.11853E-01	0.32608E+00	0.38649E-02	0.17763E-01
0.22534E+04	0.11404E-01	0.32614E+00	0.37194E-02	0.17094E-01
0.22535E+04	0.10959E-01	0.32620E+00	0.35749E-02	0.16430E-01
0.22536E+04	0.10517E-01	0.32627E+00	0.34313E-02	0.15770E-01
0.22537E+04	0.10081E-01	0.32633E+00	0.32898E-02	0.15120E-01
0.22538E+04	0.96714E-02	0.32639E+00	0.31566E-02	0.14508E-01
0.22539E+04	0.93031E-02	0.32645E+00	0.30370E-02	0.13958E-01
0.22540E+04	0.89564E-02	0.32650E+00	0.29243E-02	0.13440E-01
0.22541E+04	0.86301E-02	0.32653E+00	0.28180E-02	0.12951E-01
0.22542E+04	0.83343E-02	0.32655E+00	0.27216E-02	0.12508E-01
0.22543E+04	0.80777E-02	0.32658E+00	0.26380E-02	0.12124E-01
0.22544E+04	0.78505E-02	0.32660E+00	0.25640E-02	0.11784E-01
0.22545E+04	0.76422E-02	0.32663E+00	0.24961E-02	0.11472E-01
0.22546E+04	0.74419E-02	0.32665E+00	0.24309E-02	0.11172E-01
0.22547E+04	0.72453E-02	0.32667E+00	0.23669E-02	0.10878E-01
0.22548E+04	0.70549E-02	0.32670E+00	0.23048E-02	0.10593E-01
0.22549E+04	0.68688E-02	0.32672E+00	0.22442E-02	0.10314E-01
0.22550E+04	0.66856E-02	0.32675E+00	0.21845E-02	0.10040E-01
0.22551E+04	0.65064E-02	0.32677E+00	0.21261E-02	0.97714E-02
0.22552E+04	0.63273E-02	0.32680E+00	0.20678E-02	0.95032E-02
0.22553E+04	0.61495E-02	0.32682E+00	0.20098E-02	0.92368E-02
0.22554E+04	0.59733E-02	0.32685E+00	0.19524E-02	0.89730E-02
0.22555E+04	0.58051E-02	0.32688E+00	0.18976E-02	0.87210E-02
0.22556E+04	0.56373E-02	0.32690E+00	0.18428E-02	0.84694E-02

0.22557E+04	0.54711E-02	0.32692E+00	0.17886E-02	0.82202E-02
0.22558E+04	0.53094E-02	0.32694E+00	0.17358E-02	0.79777E-02
0.22559E+04	0.51515E-02	0.32696E+00	0.16843E-02	0.77410E-02
0.22560E+04	0.49957E-02	0.32698E+00	0.16335E-02	0.75073E-02
0.22561E+04	0.48408E-02	0.32701E+00	0.15830E-02	0.72753E-02
0.22562E+04	0.46860E-02	0.32705E+00	0.15326E-02	0.70435E-02
0.22563E+04	0.45373E-02	0.32709E+00	0.14841E-02	0.68207E-02
0.22564E+04	0.43957E-02	0.32713E+00	0.14379E-02	0.66086E-02
0.22565E+04	0.42547E-02	0.32717E+00	0.13920E-02	0.63974E-02
0.22566E+04	0.41137E-02	0.32719E+00	0.13460E-02	0.61860E-02
0.22567E+04	0.39748E-02	0.32722E+00	0.13007E-02	0.59777E-02
0.22568E+04	0.38361E-02	0.32725E+00	0.12554E-02	0.57696E-02
0.22569E+04	0.36976E-02	0.32728E+00	0.12102E-02	0.55618E-02
0.22570E+04	0.35596E-02	0.32731E+00	0.11651E-02	0.53547E-02
0.22571E+04	0.34221E-02	0.32733E+00	0.11202E-02	0.51482E-02
0.22572E+04	0.32864E-02	0.32736E+00	0.10758E-02	0.49444E-02
0.22573E+04	0.31523E-02	0.32738E+00	0.10320E-02	0.47430E-02
0.22574E+04	0.30197E-02	0.32740E+00	0.98866E-03	0.45438E-02
0.22575E+04	0.28920E-02	0.32742E+00	0.94691E-03	0.43519E-02
0.22576E+04	0.27644E-02	0.32744E+00	0.90519E-03	0.41602E-02
0.22577E+04	0.26397E-02	0.32746E+00	0.86438E-03	0.39726E-02
0.22578E+04	0.25155E-02	0.32747E+00	0.82376E-03	0.37859E-02
0.22579E+04	0.23918E-02	0.32749E+00	0.78327E-03	0.35998E-02
0.22580E+04	0.22680E-02	0.32750E+00	0.74278E-03	0.34138E-02
0.22581E+04	0.21460E-02	0.32753E+00	0.70287E-03	0.32303E-02
0.22582E+04	0.20245E-02	0.32756E+00	0.66312E-03	0.30476E-02
0.22583E+04	0.19045E-02	0.32758E+00	0.62390E-03	0.28674E-02
0.22584E+04	0.17902E-02	0.32761E+00	0.58650E-03	0.26955E-02
0.22585E+04	0.16764E-02	0.32764E+00	0.54926E-03	0.25244E-02
0.22586E+04	0.15631E-02	0.32766E+00	0.51216E-03	0.23538E-02
0.22587E+04	0.14501E-02	0.32769E+00	0.47517E-03	0.21838E-02
0.22588E+04	0.13377E-02	0.32772E+00	0.43839E-03	0.20148E-02
0.22589E+04	0.12272E-02	0.32774E+00	0.40221E-03	0.18485E-02
0.22590E+04	0.11173E-02	0.32777E+00	0.36623E-03	0.16832E-02
0.22591E+04	0.10075E-02	0.32780E+00	0.33025E-03	0.15178E-02
0.22592E+04	0.89871E-03	0.32783E+00	0.29463E-03	0.13541E-02
0.22593E+04	0.79369E-03	0.32786E+00	0.26022E-03	0.11959E-02
0.22594E+04	0.68932E-03	0.32789E+00	0.22603E-03	0.10388E-02
0.22595E+04	0.58525E-03	0.32792E+00	0.19192E-03	0.88204E-03
0.22596E+04	0.48164E-03	0.32796E+00	0.15796E-03	0.72596E-03
0.22597E+04	0.37870E-03	0.32799E+00	0.12421E-03	0.57087E-03
0.22598E+04	0.27667E-03	0.32803E+00	0.90755E-04	0.41710E-03
0.22599E+04	0.17704E-03	0.32806E+00	0.58080E-04	0.26693E-03

0.22600E+04	0.79982E-04	0.32810E+00	0.26242E-04	0.12061E-03
0.22601E+04	0.00000E+00	0.32812E+00	0.00000E+00	0.00000E+00
Channel 16				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.22188E+04	0.00000E+00	0.30884E+00	0.00000E+00	0.00000E+00
0.22189E+04	0.12079E-04	0.30890E+00	0.37313E-05	0.14688E-04
0.22190E+04	0.58625E-04	0.30896E+00	0.18112E-04	0.71299E-04
0.22191E+04	0.10663E-03	0.30901E+00	0.32949E-04	0.12970E-03
0.22192E+04	0.16236E-03	0.30907E+00	0.50180E-04	0.19753E-03
0.22193E+04	0.22191E-03	0.30913E+00	0.68598E-04	0.27004E-03
0.22194E+04	0.28403E-03	0.30918E+00	0.87817E-04	0.34569E-03
0.22195E+04	0.35402E-03	0.30924E+00	0.10948E-03	0.43096E-03
0.22196E+04	0.42468E-03	0.30930E+00	0.13135E-03	0.51707E-03
0.22197E+04	0.49609E-03	0.30936E+00	0.15347E-03	0.60413E-03
0.22198E+04	0.56833E-03	0.30942E+00	0.17585E-03	0.69224E-03
0.22199E+04	0.65073E-03	0.30948E+00	0.20139E-03	0.79275E-03
0.22200E+04	0.73641E-03	0.30954E+00	0.22794E-03	0.89730E-03
0.22201E+04	0.83042E-03	0.30959E+00	0.25709E-03	0.10120E-02
0.22202E+04	0.92532E-03	0.30965E+00	0.28653E-03	0.11279E-02
0.22203E+04	0.10223E-02	0.30971E+00	0.31661E-03	0.12463E-02
0.22204E+04	0.11210E-02	0.30976E+00	0.34723E-03	0.13669E-02
0.22205E+04	0.12213E-02	0.30982E+00	0.37837E-03	0.14895E-02
0.22206E+04	0.13226E-02	0.30988E+00	0.40986E-03	0.16134E-02
0.22207E+04	0.14255E-02	0.30994E+00	0.44181E-03	0.17392E-02
0.22208E+04	0.15288E-02	0.31000E+00	0.47393E-03	0.18656E-02
0.22209E+04	0.16322E-02	0.31006E+00	0.50607E-03	0.19921E-02
0.22210E+04	0.17396E-02	0.31012E+00	0.53949E-03	0.21237E-02
0.22211E+04	0.18495E-02	0.31018E+00	0.57370E-03	0.22583E-02
0.22212E+04	0.19627E-02	0.31025E+00	0.60890E-03	0.23969E-02
0.22213E+04	0.20791E-02	0.31031E+00	0.64517E-03	0.25397E-02
0.22214E+04	0.21959E-02	0.31037E+00	0.68155E-03	0.26829E-02
0.22215E+04	0.23153E-02	0.31044E+00	0.71875E-03	0.28293E-02
0.22216E+04	0.24347E-02	0.31050E+00	0.75598E-03	0.29759E-02
0.22217E+04	0.25546E-02	0.31057E+00	0.79339E-03	0.31232E-02
0.22218E+04	0.26758E-02	0.31064E+00	0.83119E-03	0.32720E-02
0.22219E+04	0.27984E-02	0.31070E+00	0.86947E-03	0.34226E-02
0.22220E+04	0.29274E-02	0.31077E+00	0.90974E-03	0.35812E-02
0.22221E+04	0.30598E-02	0.31084E+00	0.95112E-03	0.37441E-02
0.22222E+04	0.32052E-02	0.31091E+00	0.99653E-03	0.39228E-02
0.22223E+04	0.33511E-02	0.31099E+00	0.10422E-02	0.41024E-02

0.22224E+04	0.34985E-02	0.31106E+00	0.10882E-02	0.42838E-02
0.22225E+04	0.36465E-02	0.31113E+00	0.11345E-02	0.44661E-02
0.22226E+04	0.37978E-02	0.31120E+00	0.11819E-02	0.46525E-02
0.22227E+04	0.39499E-02	0.31128E+00	0.12295E-02	0.48400E-02
0.22228E+04	0.41038E-02	0.31135E+00	0.12777E-02	0.50297E-02
0.22229E+04	0.42579E-02	0.31143E+00	0.13260E-02	0.52199E-02
0.22230E+04	0.44156E-02	0.31150E+00	0.13755E-02	0.54146E-02
0.22231E+04	0.45744E-02	0.31158E+00	0.14253E-02	0.56106E-02
0.22232E+04	0.47334E-02	0.31165E+00	0.14752E-02	0.58071E-02
0.22233E+04	0.48930E-02	0.31173E+00	0.15253E-02	0.60043E-02
0.22234E+04	0.50536E-02	0.31181E+00	0.15758E-02	0.62029E-02
0.22235E+04	0.52204E-02	0.31188E+00	0.16281E-02	0.64092E-02
0.22236E+04	0.53909E-02	0.31196E+00	0.16817E-02	0.66201E-02
0.22237E+04	0.55634E-02	0.31203E+00	0.17360E-02	0.68336E-02
0.22238E+04	0.57365E-02	0.31211E+00	0.17904E-02	0.70479E-02
0.22239E+04	0.59158E-02	0.31218E+00	0.18468E-02	0.72699E-02
0.22240E+04	0.60978E-02	0.31226E+00	0.19041E-02	0.74954E-02
0.22241E+04	0.62814E-02	0.31234E+00	0.19619E-02	0.77232E-02
0.22242E+04	0.64653E-02	0.31243E+00	0.20199E-02	0.79515E-02
0.22243E+04	0.66521E-02	0.31251E+00	0.20789E-02	0.81834E-02
0.22244E+04	0.68470E-02	0.31260E+00	0.21403E-02	0.84254E-02
0.22245E+04	0.70457E-02	0.31268E+00	0.22030E-02	0.86722E-02
0.22246E+04	0.72478E-02	0.31276E+00	0.22668E-02	0.89232E-02
0.22247E+04	0.74509E-02	0.31284E+00	0.23309E-02	0.91756E-02
0.22248E+04	0.76683E-02	0.31292E+00	0.23996E-02	0.94458E-02
0.22249E+04	0.78904E-02	0.31300E+00	0.24697E-02	0.97219E-02
0.22250E+04	0.81218E-02	0.31308E+00	0.25428E-02	0.10009E-01
0.22251E+04	0.83538E-02	0.31315E+00	0.26160E-02	0.10298E-01
0.22252E+04	0.85948E-02	0.31322E+00	0.26920E-02	0.10597E-01
0.22253E+04	0.88487E-02	0.31329E+00	0.27722E-02	0.10913E-01
0.22254E+04	0.91062E-02	0.31336E+00	0.28535E-02	0.11233E-01
0.22255E+04	0.93655E-02	0.31343E+00	0.29354E-02	0.11555E-01
0.22256E+04	0.96272E-02	0.31349E+00	0.30180E-02	0.11880E-01
0.22257E+04	0.98984E-02	0.31355E+00	0.31037E-02	0.12218E-01
0.22258E+04	0.10191E-01	0.31361E+00	0.31960E-02	0.12581E-01
0.22259E+04	0.10484E-01	0.31368E+00	0.32887E-02	0.12946E-01
0.22260E+04	0.10788E-01	0.31374E+00	0.33845E-02	0.13323E-01
0.22261E+04	0.11111E-01	0.31380E+00	0.34867E-02	0.13725E-01
0.22262E+04	0.11470E-01	0.31386E+00	0.35999E-02	0.14171E-01
0.22263E+04	0.11867E-01	0.31392E+00	0.37255E-02	0.14665E-01
0.22264E+04	0.12293E-01	0.31399E+00	0.38600E-02	0.15195E-01
0.22265E+04	0.12738E-01	0.31405E+00	0.40005E-02	0.15748E-01
0.22266E+04	0.13186E-01	0.31410E+00	0.41417E-02	0.16304E-01

0.22267E+04	0.13633E-01	0.31416E+00	0.42829E-02	0.16859E-01
0.22268E+04	0.14095E-01	0.31422E+00	0.44288E-02	0.17434E-01
0.22269E+04	0.14560E-01	0.31427E+00	0.45757E-02	0.18012E-01
0.22270E+04	0.15037E-01	0.31433E+00	0.47265E-02	0.18606E-01
0.22271E+04	0.15568E-01	0.31438E+00	0.48944E-02	0.19267E-01
0.22272E+04	0.16154E-01	0.31444E+00	0.50795E-02	0.19995E-01
0.22273E+04	0.16770E-01	0.31448E+00	0.52737E-02	0.20760E-01
0.22274E+04	0.17403E-01	0.31452E+00	0.54736E-02	0.21547E-01
0.22275E+04	0.18058E-01	0.31456E+00	0.56803E-02	0.22361E-01
0.22276E+04	0.18735E-01	0.31461E+00	0.58943E-02	0.23203E-01
0.22277E+04	0.19439E-01	0.31465E+00	0.61163E-02	0.24077E-01
0.22278E+04	0.20178E-01	0.31469E+00	0.63497E-02	0.24996E-01
0.22279E+04	0.20943E-01	0.31473E+00	0.65915E-02	0.25947E-01
0.22280E+04	0.21740E-01	0.31478E+00	0.68432E-02	0.26938E-01
0.22281E+04	0.22538E-01	0.31482E+00	0.70956E-02	0.27931E-01
0.22282E+04	0.23351E-01	0.31487E+00	0.73526E-02	0.28943E-01
0.22283E+04	0.24168E-01	0.31492E+00	0.76110E-02	0.29961E-01
0.22284E+04	0.24988E-01	0.31497E+00	0.78705E-02	0.30982E-01
0.22285E+04	0.25814E-01	0.31502E+00	0.81319E-02	0.32011E-01
0.22286E+04	0.26640E-01	0.31508E+00	0.83937E-02	0.33042E-01
0.22287E+04	0.27492E-01	0.31513E+00	0.86636E-02	0.34104E-01
0.22288E+04	0.28421E-01	0.31519E+00	0.89578E-02	0.35262E-01
0.22289E+04	0.29420E-01	0.31525E+00	0.92744E-02	0.36508E-01
0.22290E+04	0.30455E-01	0.31530E+00	0.96026E-02	0.37800E-01
0.22291E+04	0.31518E-01	0.31536E+00	0.99397E-02	0.39127E-01
0.22292E+04	0.32645E-01	0.31543E+00	0.10297E-01	0.40535E-01
0.22293E+04	0.33866E-01	0.31549E+00	0.10684E-01	0.42059E-01
0.22294E+04	0.35212E-01	0.31555E+00	0.11111E-01	0.43739E-01
0.22295E+04	0.36670E-01	0.31561E+00	0.11574E-01	0.45559E-01
0.22296E+04	0.38214E-01	0.31568E+00	0.12063E-01	0.47487E-01
0.22297E+04	0.39804E-01	0.31575E+00	0.12568E-01	0.49473E-01
0.22298E+04	0.41421E-01	0.31581E+00	0.13081E-01	0.51494E-01
0.22299E+04	0.43062E-01	0.31588E+00	0.13603E-01	0.53546E-01
0.22300E+04	0.44774E-01	0.31595E+00	0.14146E-01	0.55686E-01
0.22301E+04	0.46577E-01	0.31599E+00	0.14718E-01	0.57937E-01
0.22302E+04	0.48492E-01	0.31603E+00	0.15325E-01	0.60328E-01
0.22303E+04	0.50533E-01	0.31608E+00	0.15972E-01	0.62875E-01
0.22304E+04	0.52667E-01	0.31612E+00	0.16649E-01	0.65540E-01
0.22305E+04	0.54909E-01	0.31617E+00	0.17360E-01	0.68339E-01
0.22306E+04	0.57242E-01	0.31621E+00	0.18100E-01	0.71252E-01
0.22307E+04	0.59663E-01	0.31625E+00	0.18868E-01	0.74275E-01
0.22308E+04	0.62170E-01	0.31630E+00	0.19664E-01	0.77407E-01
0.22309E+04	0.64801E-01	0.31634E+00	0.20499E-01	0.80694E-01

0.22310E+04	0.67583E-01	0.31638E+00	0.21382E-01	0.84169E-01
0.22311E+04	0.70544E-01	0.31642E+00	0.22321E-01	0.87868E-01
0.22312E+04	0.73650E-01	0.31646E+00	0.23307E-01	0.91748E-01
0.22313E+04	0.76890E-01	0.31650E+00	0.24336E-01	0.95796E-01
0.22314E+04	0.80244E-01	0.31653E+00	0.25400E-01	0.99987E-01
0.22315E+04	0.83732E-01	0.31657E+00	0.26507E-01	0.10435E+00
0.22316E+04	0.87377E-01	0.31661E+00	0.27664E-01	0.10890E+00
0.22317E+04	0.91192E-01	0.31664E+00	0.28875E-01	0.11367E+00
0.22318E+04	0.95147E-01	0.31668E+00	0.30131E-01	0.11861E+00
0.22319E+04	0.99251E-01	0.31671E+00	0.31434E-01	0.12374E+00
0.22320E+04	0.10350E+00	0.31674E+00	0.32782E-01	0.12904E+00
0.22321E+04	0.10789E+00	0.31676E+00	0.34176E-01	0.13453E+00
0.22322E+04	0.11244E+00	0.31677E+00	0.35618E-01	0.14021E+00
0.22323E+04	0.11718E+00	0.31679E+00	0.37122E-01	0.14613E+00
0.22324E+04	0.12212E+00	0.31680E+00	0.38688E-01	0.15230E+00
0.22325E+04	0.12726E+00	0.31682E+00	0.40317E-01	0.15871E+00
0.22326E+04	0.13257E+00	0.31683E+00	0.42001E-01	0.16534E+00
0.22327E+04	0.13807E+00	0.31684E+00	0.43746E-01	0.17220E+00
0.22328E+04	0.14378E+00	0.31686E+00	0.45559E-01	0.17934E+00
0.22329E+04	0.14974E+00	0.31687E+00	0.47448E-01	0.18678E+00
0.22330E+04	0.15591E+00	0.31688E+00	0.49405E-01	0.19448E+00
0.22331E+04	0.16231E+00	0.31690E+00	0.51436E-01	0.20247E+00
0.22332E+04	0.16891E+00	0.31691E+00	0.53531E-01	0.21072E+00
0.22333E+04	0.17571E+00	0.31692E+00	0.55687E-01	0.21921E+00
0.22334E+04	0.18266E+00	0.31694E+00	0.57892E-01	0.22789E+00
0.22335E+04	0.18975E+00	0.31695E+00	0.60141E-01	0.23674E+00
0.22336E+04	0.19700E+00	0.31697E+00	0.62442E-01	0.24580E+00
0.22337E+04	0.20444E+00	0.31698E+00	0.64805E-01	0.25510E+00
0.22338E+04	0.21211E+00	0.31700E+00	0.67240E-01	0.26469E+00
0.22339E+04	0.22003E+00	0.31702E+00	0.69752E-01	0.27458E+00
0.22340E+04	0.22817E+00	0.31704E+00	0.72338E-01	0.28476E+00
0.22341E+04	0.23652E+00	0.31709E+00	0.74997E-01	0.29522E+00
0.22342E+04	0.24502E+00	0.31714E+00	0.77707E-01	0.30589E+00
0.22343E+04	0.25369E+00	0.31719E+00	0.80467E-01	0.31676E+00
0.22344E+04	0.26251E+00	0.31724E+00	0.83279E-01	0.32783E+00
0.22345E+04	0.27148E+00	0.31730E+00	0.86140E-01	0.33909E+00
0.22346E+04	0.28059E+00	0.31735E+00	0.89046E-01	0.35053E+00
0.22347E+04	0.28982E+00	0.31740E+00	0.91991E-01	0.36212E+00
0.22348E+04	0.29917E+00	0.31746E+00	0.94974E-01	0.37386E+00
0.22349E+04	0.30862E+00	0.31751E+00	0.97991E-01	0.38574E+00
0.22350E+04	0.31817E+00	0.31757E+00	0.10104E+00	0.39775E+00
0.22351E+04	0.32780E+00	0.31763E+00	0.10412E+00	0.40987E+00
0.22352E+04	0.33748E+00	0.31770E+00	0.10722E+00	0.42206E+00

0.22353E+04	0.34719E+00	0.31776E+00	0.11032E+00	0.43429E+00
0.22354E+04	0.35693E+00	0.31782E+00	0.11344E+00	0.44656E+00
0.22355E+04	0.36671E+00	0.31789E+00	0.11657E+00	0.45888E+00
0.22356E+04	0.37652E+00	0.31795E+00	0.11972E+00	0.47126E+00
0.22357E+04	0.38636E+00	0.31801E+00	0.12287E+00	0.48366E+00
0.22358E+04	0.39620E+00	0.31807E+00	0.12602E+00	0.49608E+00
0.22359E+04	0.40602E+00	0.31814E+00	0.12917E+00	0.50847E+00
0.22360E+04	0.41579E+00	0.31819E+00	0.13230E+00	0.52081E+00
0.22361E+04	0.42552E+00	0.31823E+00	0.13541E+00	0.53305E+00
0.22362E+04	0.43521E+00	0.31827E+00	0.13851E+00	0.54526E+00
0.22363E+04	0.44485E+00	0.31830E+00	0.14160E+00	0.55739E+00
0.22364E+04	0.45441E+00	0.31834E+00	0.14466E+00	0.56944E+00
0.22365E+04	0.46390E+00	0.31838E+00	0.14769E+00	0.58139E+00
0.22366E+04	0.47331E+00	0.31841E+00	0.15070E+00	0.59324E+00
0.22367E+04	0.48265E+00	0.31844E+00	0.15370E+00	0.60502E+00
0.22368E+04	0.49194E+00	0.31846E+00	0.15667E+00	0.61671E+00
0.22369E+04	0.50114E+00	0.31849E+00	0.15961E+00	0.62830E+00
0.22370E+04	0.51027E+00	0.31851E+00	0.16253E+00	0.63978E+00
0.22371E+04	0.51927E+00	0.31854E+00	0.16541E+00	0.65112E+00
0.22372E+04	0.52814E+00	0.31856E+00	0.16824E+00	0.66229E+00
0.22373E+04	0.53685E+00	0.31858E+00	0.17103E+00	0.67326E+00
0.22374E+04	0.54537E+00	0.31861E+00	0.17376E+00	0.68400E+00
0.22375E+04	0.55371E+00	0.31863E+00	0.17643E+00	0.69450E+00
0.22376E+04	0.56186E+00	0.31865E+00	0.17904E+00	0.70477E+00
0.22377E+04	0.56985E+00	0.31867E+00	0.18160E+00	0.71485E+00
0.22378E+04	0.57770E+00	0.31870E+00	0.18411E+00	0.72474E+00
0.22379E+04	0.58542E+00	0.31872E+00	0.18658E+00	0.73448E+00
0.22380E+04	0.59299E+00	0.31874E+00	0.18901E+00	0.74403E+00
0.22381E+04	0.60039E+00	0.31876E+00	0.19138E+00	0.75336E+00
0.22382E+04	0.60755E+00	0.31878E+00	0.19367E+00	0.76239E+00
0.22383E+04	0.61448E+00	0.31879E+00	0.19589E+00	0.77112E+00
0.22384E+04	0.62117E+00	0.31881E+00	0.19804E+00	0.77956E+00
0.22385E+04	0.62766E+00	0.31883E+00	0.20011E+00	0.78774E+00
0.22386E+04	0.63392E+00	0.31885E+00	0.20213E+00	0.79567E+00
0.22387E+04	0.63998E+00	0.31887E+00	0.20407E+00	0.80332E+00
0.22388E+04	0.64581E+00	0.31890E+00	0.20595E+00	0.81070E+00
0.22389E+04	0.65144E+00	0.31892E+00	0.20776E+00	0.81783E+00
0.22390E+04	0.65685E+00	0.31894E+00	0.20950E+00	0.82468E+00
0.22391E+04	0.66203E+00	0.31897E+00	0.21117E+00	0.83126E+00
0.22392E+04	0.66699E+00	0.31900E+00	0.21277E+00	0.83757E+00
0.22393E+04	0.67174E+00	0.31903E+00	0.21431E+00	0.84361E+00
0.22394E+04	0.67623E+00	0.31906E+00	0.21576E+00	0.84934E+00
0.22395E+04	0.68049E+00	0.31909E+00	0.21714E+00	0.85476E+00

0.22396E+04	0.68450E+00	0.31913E+00	0.21844E+00	0.85989E+00
0.22397E+04	0.68829E+00	0.31916E+00	0.21968E+00	0.86475E+00
0.22398E+04	0.69186E+00	0.31920E+00	0.22084E+00	0.86934E+00
0.22399E+04	0.69521E+00	0.31924E+00	0.22194E+00	0.87366E+00
0.22400E+04	0.69835E+00	0.31928E+00	0.22297E+00	0.87770E+00
0.22401E+04	0.70126E+00	0.31934E+00	0.22394E+00	0.88154E+00
0.22402E+04	0.70395E+00	0.31941E+00	0.22485E+00	0.88511E+00
0.22403E+04	0.70644E+00	0.31948E+00	0.22569E+00	0.88843E+00
0.22404E+04	0.70874E+00	0.31954E+00	0.22647E+00	0.89151E+00
0.22405E+04	0.71090E+00	0.31961E+00	0.22721E+00	0.89441E+00
0.22406E+04	0.71293E+00	0.31968E+00	0.22791E+00	0.89715E+00
0.22407E+04	0.71484E+00	0.31974E+00	0.22857E+00	0.89975E+00
0.22408E+04	0.71662E+00	0.31981E+00	0.22918E+00	0.90217E+00
0.22409E+04	0.71825E+00	0.31988E+00	0.22975E+00	0.90441E+00
0.22410E+04	0.71972E+00	0.31994E+00	0.23027E+00	0.90645E+00
0.22411E+04	0.72105E+00	0.32001E+00	0.23074E+00	0.90830E+00
0.22412E+04	0.72225E+00	0.32007E+00	0.23117E+00	0.90999E+00
0.22413E+04	0.72335E+00	0.32013E+00	0.23157E+00	0.91156E+00
0.22414E+04	0.72437E+00	0.32020E+00	0.23194E+00	0.91303E+00
0.22415E+04	0.72535E+00	0.32026E+00	0.23230E+00	0.91444E+00
0.22416E+04	0.72625E+00	0.32032E+00	0.23263E+00	0.91574E+00
0.22417E+04	0.72707E+00	0.32037E+00	0.23293E+00	0.91694E+00
0.22418E+04	0.72782E+00	0.32043E+00	0.23321E+00	0.91804E+00
0.22419E+04	0.72848E+00	0.32049E+00	0.23347E+00	0.91904E+00
0.22420E+04	0.72906E+00	0.32054E+00	0.23370E+00	0.91994E+00
0.22421E+04	0.72956E+00	0.32058E+00	0.23388E+00	0.92066E+00
0.22422E+04	0.73000E+00	0.32061E+00	0.23405E+00	0.92132E+00
0.22423E+04	0.73041E+00	0.32065E+00	0.23421E+00	0.92195E+00
0.22424E+04	0.73082E+00	0.32069E+00	0.23436E+00	0.92257E+00
0.22425E+04	0.73120E+00	0.32072E+00	0.23451E+00	0.92315E+00
0.22426E+04	0.73156E+00	0.32075E+00	0.23465E+00	0.92369E+00
0.22427E+04	0.73192E+00	0.32078E+00	0.23479E+00	0.92423E+00
0.22428E+04	0.73227E+00	0.32081E+00	0.23492E+00	0.92476E+00
0.22429E+04	0.73262E+00	0.32084E+00	0.23506E+00	0.92529E+00
0.22430E+04	0.73297E+00	0.32087E+00	0.23519E+00	0.92581E+00
0.22431E+04	0.73330E+00	0.32090E+00	0.23532E+00	0.92631E+00
0.22432E+04	0.73363E+00	0.32093E+00	0.23544E+00	0.92680E+00
0.22433E+04	0.73395E+00	0.32095E+00	0.23556E+00	0.92729E+00
0.22434E+04	0.73429E+00	0.32098E+00	0.23569E+00	0.92779E+00
0.22435E+04	0.73466E+00	0.32100E+00	0.23583E+00	0.92834E+00
0.22436E+04	0.73508E+00	0.32103E+00	0.23598E+00	0.92894E+00
0.22437E+04	0.73554E+00	0.32106E+00	0.23615E+00	0.92960E+00
0.22438E+04	0.73603E+00	0.32109E+00	0.23633E+00	0.93030E+00

0.22439E+04	0.73655E+00	0.32111E+00	0.23651E+00	0.93103E+00
0.22440E+04	0.73710E+00	0.32114E+00	0.23671E+00	0.93181E+00
0.22441E+04	0.73769E+00	0.32117E+00	0.23692E+00	0.93265E+00
0.22442E+04	0.73830E+00	0.32120E+00	0.23714E+00	0.93351E+00
0.22443E+04	0.73893E+00	0.32123E+00	0.23737E+00	0.93439E+00
0.22444E+04	0.73957E+00	0.32126E+00	0.23759E+00	0.93528E+00
0.22445E+04	0.74023E+00	0.32129E+00	0.23783E+00	0.93621E+00
0.22446E+04	0.74095E+00	0.32133E+00	0.23809E+00	0.93722E+00
0.22447E+04	0.74174E+00	0.32136E+00	0.23837E+00	0.93833E+00
0.22448E+04	0.74259E+00	0.32140E+00	0.23867E+00	0.93950E+00
0.22449E+04	0.74349E+00	0.32143E+00	0.23898E+00	0.94074E+00
0.22450E+04	0.74443E+00	0.32146E+00	0.23931E+00	0.94203E+00
0.22451E+04	0.74540E+00	0.32149E+00	0.23964E+00	0.94334E+00
0.22452E+04	0.74639E+00	0.32152E+00	0.23998E+00	0.94468E+00
0.22453E+04	0.74743E+00	0.32155E+00	0.24033E+00	0.94606E+00
0.22454E+04	0.74852E+00	0.32157E+00	0.24070E+00	0.94752E+00
0.22455E+04	0.74965E+00	0.32160E+00	0.24109E+00	0.94904E+00
0.22456E+04	0.75081E+00	0.32163E+00	0.24148E+00	0.95059E+00
0.22457E+04	0.75199E+00	0.32166E+00	0.24188E+00	0.95216E+00
0.22458E+04	0.75321E+00	0.32169E+00	0.24230E+00	0.95380E+00
0.22459E+04	0.75448E+00	0.32172E+00	0.24273E+00	0.95550E+00
0.22460E+04	0.75576E+00	0.32175E+00	0.24316E+00	0.95721E+00
0.22461E+04	0.75704E+00	0.32179E+00	0.24361E+00	0.95897E+00
0.22462E+04	0.75834E+00	0.32184E+00	0.24406E+00	0.96076E+00
0.22463E+04	0.75965E+00	0.32189E+00	0.24452E+00	0.96255E+00
0.22464E+04	0.76092E+00	0.32193E+00	0.24497E+00	0.96431E+00
0.22465E+04	0.76215E+00	0.32198E+00	0.24540E+00	0.96600E+00
0.22466E+04	0.76335E+00	0.32202E+00	0.24582E+00	0.96765E+00
0.22467E+04	0.76452E+00	0.32207E+00	0.24623E+00	0.96926E+00
0.22468E+04	0.76567E+00	0.32211E+00	0.24663E+00	0.97085E+00
0.22469E+04	0.76679E+00	0.32215E+00	0.24702E+00	0.97240E+00
0.22470E+04	0.76791E+00	0.32220E+00	0.24742E+00	0.97396E+00
0.22471E+04	0.76905E+00	0.32224E+00	0.24782E+00	0.97552E+00
0.22472E+04	0.77020E+00	0.32228E+00	0.24822E+00	0.97710E+00
0.22473E+04	0.77135E+00	0.32232E+00	0.24862E+00	0.97868E+00
0.22474E+04	0.77248E+00	0.32236E+00	0.24902E+00	0.98024E+00
0.22475E+04	0.77357E+00	0.32240E+00	0.24940E+00	0.98176E+00
0.22476E+04	0.77462E+00	0.32244E+00	0.24977E+00	0.98320E+00
0.22477E+04	0.77560E+00	0.32248E+00	0.25012E+00	0.98457E+00
0.22478E+04	0.77654E+00	0.32252E+00	0.25045E+00	0.98588E+00
0.22479E+04	0.77744E+00	0.32256E+00	0.25077E+00	0.98714E+00
0.22480E+04	0.77833E+00	0.32259E+00	0.25109E+00	0.98839E+00
0.22481E+04	0.77922E+00	0.32264E+00	0.25141E+00	0.98966E+00

0.22482E+04	0.78009E+00	0.32269E+00	0.25173E+00	0.99092E+00
0.22483E+04	0.78096E+00	0.32273E+00	0.25204E+00	0.99216E+00
0.22484E+04	0.78178E+00	0.32278E+00	0.25234E+00	0.99334E+00
0.22485E+04	0.78253E+00	0.32283E+00	0.25262E+00	0.99444E+00
0.22486E+04	0.78319E+00	0.32288E+00	0.25287E+00	0.99544E+00
0.22487E+04	0.78377E+00	0.32293E+00	0.25310E+00	0.99632E+00
0.22488E+04	0.78425E+00	0.32298E+00	0.25329E+00	0.99708E+00
0.22489E+04	0.78463E+00	0.32303E+00	0.25345E+00	0.99772E+00
0.22490E+04	0.78491E+00	0.32307E+00	0.25358E+00	0.99823E+00
0.22491E+04	0.78511E+00	0.32313E+00	0.25369E+00	0.99866E+00
0.22492E+04	0.78525E+00	0.32318E+00	0.25378E+00	0.99900E+00
0.22493E+04	0.78532E+00	0.32324E+00	0.25385E+00	0.99927E+00
0.22494E+04	0.78533E+00	0.32330E+00	0.25389E+00	0.99945E+00
0.22495E+04	0.78531E+00	0.32335E+00	0.25393E+00	0.99959E+00
0.22496E+04	0.78528E+00	0.32341E+00	0.25397E+00	0.99974E+00
0.22497E+04	0.78524E+00	0.32347E+00	0.25401E+00	0.99989E+00
0.22498E+04	0.78516E+00	0.32354E+00	0.25403E+00	0.99998E+00
0.22499E+04	0.78503E+00	0.32360E+00	0.25403E+00	0.10000E+01
0.22500E+04	0.78482E+00	0.32366E+00	0.25401E+00	0.99992E+00
0.22501E+04	0.78451E+00	0.32373E+00	0.25397E+00	0.99976E+00
0.22502E+04	0.78412E+00	0.32381E+00	0.25391E+00	0.99949E+00
0.22503E+04	0.78362E+00	0.32389E+00	0.25381E+00	0.99910E+00
0.22504E+04	0.78303E+00	0.32397E+00	0.25367E+00	0.99858E+00
0.22505E+04	0.78233E+00	0.32404E+00	0.25351E+00	0.99793E+00
0.22506E+04	0.78154E+00	0.32412E+00	0.25332E+00	0.99717E+00
0.22507E+04	0.78065E+00	0.32421E+00	0.25309E+00	0.99628E+00
0.22508E+04	0.77968E+00	0.32429E+00	0.25284E+00	0.99530E+00
0.22509E+04	0.77866E+00	0.32437E+00	0.25257E+00	0.99424E+00
0.22510E+04	0.77756E+00	0.32445E+00	0.25228E+00	0.99309E+00
0.22511E+04	0.77636E+00	0.32453E+00	0.25196E+00	0.99182E+00
0.22512E+04	0.77504E+00	0.32462E+00	0.25159E+00	0.99039E+00
0.22513E+04	0.77360E+00	0.32470E+00	0.25119E+00	0.98879E+00
0.22514E+04	0.77202E+00	0.32478E+00	0.25074E+00	0.98704E+00
0.22515E+04	0.77032E+00	0.32487E+00	0.25025E+00	0.98511E+00
0.22516E+04	0.76849E+00	0.32495E+00	0.24972E+00	0.98302E+00
0.22517E+04	0.76649E+00	0.32504E+00	0.24914E+00	0.98073E+00
0.22518E+04	0.76435E+00	0.32512E+00	0.24851E+00	0.97824E+00
0.22519E+04	0.76207E+00	0.32520E+00	0.24783E+00	0.97557E+00
0.22520E+04	0.75966E+00	0.32529E+00	0.24711E+00	0.97274E+00
0.22521E+04	0.75713E+00	0.32535E+00	0.24633E+00	0.96968E+00
0.22522E+04	0.75446E+00	0.32541E+00	0.24551E+00	0.96645E+00
0.22523E+04	0.75164E+00	0.32547E+00	0.24464E+00	0.96302E+00
0.22524E+04	0.74864E+00	0.32554E+00	0.24371E+00	0.95936E+00

0.22525E+04	0.74544E+00	0.32560E+00	0.24272E+00	0.95544E+00
0.22526E+04	0.74204E+00	0.32566E+00	0.24165E+00	0.95126E+00
0.22527E+04	0.73844E+00	0.32572E+00	0.24053E+00	0.94682E+00
0.22528E+04	0.73467E+00	0.32578E+00	0.23934E+00	0.94216E+00
0.22529E+04	0.73070E+00	0.32584E+00	0.23809E+00	0.93725E+00
0.22530E+04	0.72655E+00	0.32590E+00	0.23678E+00	0.93210E+00
0.22531E+04	0.72221E+00	0.32596E+00	0.23541E+00	0.92670E+00
0.22532E+04	0.71771E+00	0.32602E+00	0.23399E+00	0.92110E+00
0.22533E+04	0.71306E+00	0.32608E+00	0.23252E+00	0.91529E+00
0.22534E+04	0.70822E+00	0.32614E+00	0.23098E+00	0.90926E+00
0.22535E+04	0.70322E+00	0.32620E+00	0.22939E+00	0.90300E+00
0.22536E+04	0.69804E+00	0.32627E+00	0.22775E+00	0.89652E+00
0.22537E+04	0.69270E+00	0.32633E+00	0.22605E+00	0.88982E+00
0.22538E+04	0.68716E+00	0.32639E+00	0.22428E+00	0.88288E+00
0.22539E+04	0.68144E+00	0.32645E+00	0.22245E+00	0.87569E+00
0.22540E+04	0.67554E+00	0.32650E+00	0.22057E+00	0.86826E+00
0.22541E+04	0.66946E+00	0.32653E+00	0.21860E+00	0.86050E+00
0.22542E+04	0.66321E+00	0.32655E+00	0.21657E+00	0.85254E+00
0.22543E+04	0.65681E+00	0.32658E+00	0.21450E+00	0.84437E+00
0.22544E+04	0.65024E+00	0.32660E+00	0.21237E+00	0.83599E+00
0.22545E+04	0.64351E+00	0.32663E+00	0.21019E+00	0.82740E+00
0.22546E+04	0.63664E+00	0.32665E+00	0.20796E+00	0.81863E+00
0.22547E+04	0.62964E+00	0.32667E+00	0.20569E+00	0.80968E+00
0.22548E+04	0.62252E+00	0.32670E+00	0.20338E+00	0.80059E+00
0.22549E+04	0.61529E+00	0.32672E+00	0.20103E+00	0.79135E+00
0.22550E+04	0.60795E+00	0.32675E+00	0.19865E+00	0.78197E+00
0.22551E+04	0.60050E+00	0.32677E+00	0.19623E+00	0.77244E+00
0.22552E+04	0.59293E+00	0.32680E+00	0.19377E+00	0.76277E+00
0.22553E+04	0.58524E+00	0.32682E+00	0.19127E+00	0.75293E+00
0.22554E+04	0.57743E+00	0.32685E+00	0.18873E+00	0.74294E+00
0.22555E+04	0.56950E+00	0.32688E+00	0.18616E+00	0.73280E+00
0.22556E+04	0.56147E+00	0.32690E+00	0.18354E+00	0.72251E+00
0.22557E+04	0.55331E+00	0.32692E+00	0.18089E+00	0.71205E+00
0.22558E+04	0.54503E+00	0.32694E+00	0.17819E+00	0.70144E+00
0.22559E+04	0.53664E+00	0.32696E+00	0.17546E+00	0.69069E+00
0.22560E+04	0.52814E+00	0.32698E+00	0.17269E+00	0.67979E+00
0.22561E+04	0.51955E+00	0.32701E+00	0.16990E+00	0.66880E+00
0.22562E+04	0.51087E+00	0.32705E+00	0.16708E+00	0.65771E+00
0.22563E+04	0.50213E+00	0.32709E+00	0.16424E+00	0.64653E+00
0.22564E+04	0.49334E+00	0.32713E+00	0.16138E+00	0.63528E+00
0.22565E+04	0.48451E+00	0.32717E+00	0.15851E+00	0.62399E+00
0.22566E+04	0.47565E+00	0.32719E+00	0.15563E+00	0.61264E+00
0.22567E+04	0.46677E+00	0.32722E+00	0.15274E+00	0.60125E+00

0.22568E+04	0.45786E+00	0.32725E+00	0.14984E+00	0.58983E+00
0.22569E+04	0.44892E+00	0.32728E+00	0.14693E+00	0.57837E+00
0.22570E+04	0.43997E+00	0.32731E+00	0.14401E+00	0.56689E+00
0.22571E+04	0.43102E+00	0.32733E+00	0.14109E+00	0.55539E+00
0.22572E+04	0.42204E+00	0.32736E+00	0.13816E+00	0.54385E+00
0.22573E+04	0.41299E+00	0.32738E+00	0.13520E+00	0.53222E+00
0.22574E+04	0.40390E+00	0.32740E+00	0.13224E+00	0.52054E+00
0.22575E+04	0.39478E+00	0.32742E+00	0.12926E+00	0.50883E+00
0.22576E+04	0.38567E+00	0.32744E+00	0.12628E+00	0.49712E+00
0.22577E+04	0.37660E+00	0.32746E+00	0.12332E+00	0.48544E+00
0.22578E+04	0.36758E+00	0.32747E+00	0.12037E+00	0.47384E+00
0.22579E+04	0.35861E+00	0.32749E+00	0.11744E+00	0.46230E+00
0.22580E+04	0.34967E+00	0.32750E+00	0.11452E+00	0.45081E+00
0.22581E+04	0.34078E+00	0.32753E+00	0.11162E+00	0.43938E+00
0.22582E+04	0.33196E+00	0.32756E+00	0.10874E+00	0.42804E+00
0.22583E+04	0.32322E+00	0.32758E+00	0.10588E+00	0.41680E+00
0.22584E+04	0.31456E+00	0.32761E+00	0.10305E+00	0.40566E+00
0.22585E+04	0.30597E+00	0.32764E+00	0.10025E+00	0.39462E+00
0.22586E+04	0.29748E+00	0.32766E+00	0.97475E-01	0.38371E+00
0.22587E+04	0.28913E+00	0.32769E+00	0.94745E-01	0.37296E+00
0.22588E+04	0.28093E+00	0.32772E+00	0.92066E-01	0.36242E+00
0.22589E+04	0.27288E+00	0.32774E+00	0.89434E-01	0.35206E+00
0.22590E+04	0.26496E+00	0.32777E+00	0.86845E-01	0.34186E+00
0.22591E+04	0.25714E+00	0.32780E+00	0.84290E-01	0.33181E+00
0.22592E+04	0.24942E+00	0.32783E+00	0.81767E-01	0.32187E+00
0.22593E+04	0.24179E+00	0.32786E+00	0.79273E-01	0.31206E+00
0.22594E+04	0.23428E+00	0.32789E+00	0.76818E-01	0.30239E+00
0.22595E+04	0.22690E+00	0.32792E+00	0.74404E-01	0.29289E+00
0.22596E+04	0.21962E+00	0.32796E+00	0.72027E-01	0.28353E+00
0.22597E+04	0.21245E+00	0.32799E+00	0.69681E-01	0.27430E+00
0.22598E+04	0.20540E+00	0.32803E+00	0.67377E-01	0.26523E+00
0.22599E+04	0.19851E+00	0.32806E+00	0.65123E-01	0.25635E+00
0.22600E+04	0.19183E+00	0.32810E+00	0.62938E-01	0.24775E+00
0.22601E+04	0.18536E+00	0.32812E+00	0.60820E-01	0.23942E+00
0.22602E+04	0.17910E+00	0.32814E+00	0.58768E-01	0.23134E+00
0.22603E+04	0.17300E+00	0.32816E+00	0.56773E-01	0.22348E+00
0.22604E+04	0.16707E+00	0.32819E+00	0.54829E-01	0.21583E+00
0.22605E+04	0.16128E+00	0.32821E+00	0.52933E-01	0.20837E+00
0.22606E+04	0.15565E+00	0.32823E+00	0.51091E-01	0.20112E+00
0.22607E+04	0.15019E+00	0.32826E+00	0.49302E-01	0.19408E+00
0.22608E+04	0.14489E+00	0.32828E+00	0.47564E-01	0.18723E+00
0.22609E+04	0.13972E+00	0.32830E+00	0.45872E-01	0.18058E+00
0.22610E+04	0.13471E+00	0.32833E+00	0.44228E-01	0.17410E+00

0.22611E+04	0.12983E+00	0.32835E+00	0.42630E-01	0.16781E+00
0.22612E+04	0.12511E+00	0.32838E+00	0.41082E-01	0.16172E+00
0.22613E+04	0.12052E+00	0.32840E+00	0.39577E-01	0.15580E+00
0.22614E+04	0.11605E+00	0.32842E+00	0.38114E-01	0.15004E+00
0.22615E+04	0.11173E+00	0.32845E+00	0.36696E-01	0.14445E+00
0.22616E+04	0.10753E+00	0.32847E+00	0.35321E-01	0.13904E+00
0.22617E+04	0.10346E+00	0.32849E+00	0.33986E-01	0.13379E+00
0.22618E+04	0.99536E-01	0.32851E+00	0.32699E-01	0.12872E+00
0.22619E+04	0.95751E-01	0.32853E+00	0.31457E-01	0.12383E+00
0.22620E+04	0.92088E-01	0.32856E+00	0.30256E-01	0.11910E+00
0.22621E+04	0.88535E-01	0.32859E+00	0.29092E-01	0.11452E+00
0.22622E+04	0.85137E-01	0.32863E+00	0.27978E-01	0.11014E+00
0.22623E+04	0.81897E-01	0.32866E+00	0.26917E-01	0.10596E+00
0.22624E+04	0.78802E-01	0.32870E+00	0.25902E-01	0.10196E+00
0.22625E+04	0.75830E-01	0.32873E+00	0.24928E-01	0.98127E-01
0.22626E+04	0.72977E-01	0.32877E+00	0.23993E-01	0.94447E-01
0.22627E+04	0.70239E-01	0.32880E+00	0.23095E-01	0.90913E-01
0.22628E+04	0.67612E-01	0.32884E+00	0.22233E-01	0.87521E-01
0.22629E+04	0.65076E-01	0.32888E+00	0.21402E-01	0.84248E-01
0.22630E+04	0.62625E-01	0.32891E+00	0.20598E-01	0.81084E-01
0.22631E+04	0.60252E-01	0.32895E+00	0.19820E-01	0.78020E-01
0.22632E+04	0.57956E-01	0.32899E+00	0.19067E-01	0.75056E-01
0.22633E+04	0.55732E-01	0.32902E+00	0.18337E-01	0.72185E-01
0.22634E+04	0.53590E-01	0.32906E+00	0.17634E-01	0.69418E-01
0.22635E+04	0.51539E-01	0.32910E+00	0.16962E-01	0.66769E-01
0.22636E+04	0.49594E-01	0.32914E+00	0.16324E-01	0.64258E-01
0.22637E+04	0.47745E-01	0.32919E+00	0.15717E-01	0.61871E-01
0.22638E+04	0.45990E-01	0.32923E+00	0.15141E-01	0.59604E-01
0.22639E+04	0.44319E-01	0.32928E+00	0.14593E-01	0.57446E-01
0.22640E+04	0.42738E-01	0.32932E+00	0.14075E-01	0.55404E-01
0.22641E+04	0.41222E-01	0.32937E+00	0.13577E-01	0.53446E-01
0.22642E+04	0.39750E-01	0.32942E+00	0.13094E-01	0.51546E-01
0.22643E+04	0.38342E-01	0.32946E+00	0.12632E-01	0.49727E-01
0.22644E+04	0.37002E-01	0.32951E+00	0.12192E-01	0.47995E-01
0.22645E+04	0.35713E-01	0.32956E+00	0.11770E-01	0.46331E-01
0.22646E+04	0.34463E-01	0.32961E+00	0.11359E-01	0.44716E-01
0.22647E+04	0.33235E-01	0.32967E+00	0.10956E-01	0.43130E-01
0.22648E+04	0.32000E-01	0.32972E+00	0.10551E-01	0.41534E-01
0.22649E+04	0.30762E-01	0.32978E+00	0.10145E-01	0.39934E-01
0.22650E+04	0.29580E-01	0.32983E+00	0.97563E-02	0.38406E-01
0.22651E+04	0.28484E-01	0.32988E+00	0.93966E-02	0.36989E-01
0.22652E+04	0.27490E-01	0.32994E+00	0.90698E-02	0.35703E-01
0.22653E+04	0.26579E-01	0.33000E+00	0.87710E-02	0.34527E-01

0.22654E+04	0.25708E-01	0.33006E+00	0.84850E-02	0.33401E-01
0.22655E+04	0.24866E-01	0.33012E+00	0.82087E-02	0.32313E-01
0.22656E+04	0.24061E-01	0.33018E+00	0.79444E-02	0.31273E-01
0.22657E+04	0.23277E-01	0.33024E+00	0.76870E-02	0.30260E-01
0.22658E+04	0.22526E-01	0.33031E+00	0.74405E-02	0.29289E-01
0.22659E+04	0.21807E-01	0.33037E+00	0.72043E-02	0.28360E-01
0.22660E+04	0.21084E-01	0.33043E+00	0.69669E-02	0.27425E-01
0.22661E+04	0.20358E-01	0.33050E+00	0.67281E-02	0.26485E-01
0.22662E+04	0.19637E-01	0.33056E+00	0.64911E-02	0.25552E-01
0.22663E+04	0.18932E-01	0.33062E+00	0.62594E-02	0.24640E-01
0.22664E+04	0.18258E-01	0.33069E+00	0.60378E-02	0.23768E-01
0.22665E+04	0.17596E-01	0.33075E+00	0.58199E-02	0.22910E-01
0.22666E+04	0.16935E-01	0.33081E+00	0.56024E-02	0.22054E-01
0.22667E+04	0.16300E-01	0.33087E+00	0.53931E-02	0.21230E-01
0.22668E+04	0.15710E-01	0.33092E+00	0.51988E-02	0.20465E-01
0.22669E+04	0.15163E-01	0.33098E+00	0.50186E-02	0.19756E-01
0.22670E+04	0.14667E-01	0.33104E+00	0.48554E-02	0.19113E-01
0.22671E+04	0.14207E-01	0.33109E+00	0.47039E-02	0.18517E-01
0.22672E+04	0.13761E-01	0.33114E+00	0.45567E-02	0.17937E-01
0.22673E+04	0.13336E-01	0.33119E+00	0.44166E-02	0.17386E-01
0.22674E+04	0.12944E-01	0.33124E+00	0.42878E-02	0.16879E-01
0.22675E+04	0.12593E-01	0.33129E+00	0.41720E-02	0.16423E-01
0.22676E+04	0.12278E-01	0.33134E+00	0.40683E-02	0.16015E-01
0.22677E+04	0.11976E-01	0.33138E+00	0.39687E-02	0.15623E-01
0.22678E+04	0.11677E-01	0.33142E+00	0.38699E-02	0.15234E-01
0.22679E+04	0.11390E-01	0.33147E+00	0.37756E-02	0.14862E-01
0.22680E+04	0.11106E-01	0.33151E+00	0.36818E-02	0.14493E-01
0.22681E+04	0.10824E-01	0.33158E+00	0.35891E-02	0.14128E-01
0.22682E+04	0.10552E-01	0.33165E+00	0.34996E-02	0.13776E-01
0.22683E+04	0.10280E-01	0.33172E+00	0.34100E-02	0.13423E-01
0.22684E+04	0.10010E-01	0.33178E+00	0.33211E-02	0.13073E-01
0.22685E+04	0.97396E-02	0.33185E+00	0.32321E-02	0.12723E-01
0.22686E+04	0.94712E-02	0.33192E+00	0.31437E-02	0.12375E-01
0.22687E+04	0.92132E-02	0.33199E+00	0.30587E-02	0.12040E-01
0.22688E+04	0.89563E-02	0.33206E+00	0.29740E-02	0.11707E-01
0.22689E+04	0.87107E-02	0.33212E+00	0.28930E-02	0.11388E-01
0.22690E+04	0.84680E-02	0.33219E+00	0.28130E-02	0.11073E-01
0.22691E+04	0.82366E-02	0.33226E+00	0.27367E-02	0.10773E-01
0.22692E+04	0.80076E-02	0.33234E+00	0.26612E-02	0.10476E-01
0.22693E+04	0.77788E-02	0.33241E+00	0.25857E-02	0.10179E-01
0.22694E+04	0.75513E-02	0.33248E+00	0.25107E-02	0.98832E-02
0.22695E+04	0.73259E-02	0.33255E+00	0.24362E-02	0.95902E-02
0.22696E+04	0.71021E-02	0.33263E+00	0.23624E-02	0.92994E-02

0.22697E+04	0.68793E-02	0.33271E+00	0.22888E-02	0.90097E-02
0.22698E+04	0.66594E-02	0.33278E+00	0.22161E-02	0.87237E-02
0.22699E+04	0.64403E-02	0.33286E+00	0.21437E-02	0.84387E-02
0.22700E+04	0.62232E-02	0.33300E+00	0.20723E-02	0.81577E-02
0.22701E+04	0.60141E-02	0.33338E+00	0.20049E-02	0.78924E-02
0.22702E+04	0.58058E-02	0.33375E+00	0.19377E-02	0.76277E-02
0.22703E+04	0.56003E-02	0.33413E+00	0.18712E-02	0.73661E-02
0.22704E+04	0.54058E-02	0.33451E+00	0.18083E-02	0.71182E-02
0.22705E+04	0.52112E-02	0.33482E+00	0.17448E-02	0.68685E-02
0.22706E+04	0.50237E-02	0.33487E+00	0.16823E-02	0.66223E-02
0.22707E+04	0.48374E-02	0.33491E+00	0.16201E-02	0.63775E-02
0.22708E+04	0.46538E-02	0.33496E+00	0.15588E-02	0.61364E-02
0.22709E+04	0.44848E-02	0.33501E+00	0.15025E-02	0.59144E-02
0.22710E+04	0.43167E-02	0.33505E+00	0.14463E-02	0.56934E-02
0.22711E+04	0.41531E-02	0.33510E+00	0.13917E-02	0.54783E-02
0.22712E+04	0.39895E-02	0.33514E+00	0.13371E-02	0.52633E-02
0.22713E+04	0.38262E-02	0.33519E+00	0.12825E-02	0.50486E-02
0.22714E+04	0.36635E-02	0.33524E+00	0.12281E-02	0.48345E-02
0.22715E+04	0.35032E-02	0.33528E+00	0.11746E-02	0.46237E-02
0.22716E+04	0.33449E-02	0.33532E+00	0.11216E-02	0.44152E-02
0.22717E+04	0.31911E-02	0.33537E+00	0.10702E-02	0.42128E-02
0.22718E+04	0.30390E-02	0.33541E+00	0.10193E-02	0.40125E-02
0.22719E+04	0.28902E-02	0.33545E+00	0.96953E-03	0.38165E-02
0.22720E+04	0.27433E-02	0.33549E+00	0.92036E-03	0.36230E-02
0.22721E+04	0.26056E-02	0.33555E+00	0.87432E-03	0.34417E-02
0.22722E+04	0.24741E-02	0.33561E+00	0.83036E-03	0.32687E-02
0.22723E+04	0.23473E-02	0.33568E+00	0.78791E-03	0.31016E-02
0.22724E+04	0.22248E-02	0.33574E+00	0.74694E-03	0.29403E-02
0.22725E+04	0.21063E-02	0.33580E+00	0.70728E-03	0.27842E-02
0.22726E+04	0.19881E-02	0.33585E+00	0.66771E-03	0.26284E-02
0.22727E+04	0.18705E-02	0.33591E+00	0.62833E-03	0.24734E-02
0.22728E+04	0.17540E-02	0.33597E+00	0.58927E-03	0.23196E-02
0.22729E+04	0.16399E-02	0.33602E+00	0.55104E-03	0.21691E-02
0.22730E+04	0.15335E-02	0.33608E+00	0.51539E-03	0.20288E-02
0.22731E+04	0.14304E-02	0.33613E+00	0.48081E-03	0.18927E-02
0.22732E+04	0.13274E-02	0.33619E+00	0.44626E-03	0.17567E-02
0.22733E+04	0.12250E-02	0.33624E+00	0.41191E-03	0.16215E-02
0.22734E+04	0.11245E-02	0.33630E+00	0.37817E-03	0.14886E-02
0.22735E+04	0.10242E-02	0.33635E+00	0.34448E-03	0.13561E-02
0.22736E+04	0.92962E-03	0.33641E+00	0.31273E-03	0.12311E-02
0.22737E+04	0.83948E-03	0.33646E+00	0.28246E-03	0.11119E-02
0.22738E+04	0.75126E-03	0.33652E+00	0.25281E-03	0.99520E-03
0.22739E+04	0.66347E-03	0.33658E+00	0.22331E-03	0.87905E-03

0.22740E+04	0.57689E-03	0.33663E+00	0.19420E-03	0.76446E-03
0.22741E+04	0.49384E-03	0.33672E+00	0.16629E-03	0.65458E-03
0.22742E+04	0.41107E-03	0.33681E+00	0.13845E-03	0.54501E-03
0.22743E+04	0.32980E-03	0.33690E+00	0.11111E-03	0.43737E-03
0.22744E+04	0.25195E-03	0.33699E+00	0.84906E-04	0.33423E-03
0.22745E+04	0.17642E-03	0.33708E+00	0.59467E-04	0.23409E-03
0.22746E+04	0.10189E-03	0.33718E+00	0.34354E-04	0.13524E-03
0.22747E+04	0.31034E-04	0.33728E+00	0.10467E-04	0.41203E-04
0.22748E+04	0.00000E+00	0.33737E+00	0.00000E+00	0.00000E+00
Channel 17				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.23817E+04	0.00000E+00	0.38660E+00	0.00000E+00	0.00000E+00
0.23818E+04	0.65845E-04	0.38666E+00	0.25460E-04	0.91671E-04
0.23819E+04	0.15571E-03	0.38672E+00	0.60216E-04	0.21682E-03
0.23820E+04	0.24621E-03	0.38677E+00	0.95225E-04	0.34287E-03
0.23821E+04	0.33710E-03	0.38682E+00	0.13040E-03	0.46951E-03
0.23822E+04	0.42887E-03	0.38686E+00	0.16591E-03	0.59739E-03
0.23823E+04	0.52137E-03	0.38691E+00	0.20172E-03	0.72632E-03
0.23824E+04	0.61387E-03	0.38695E+00	0.23754E-03	0.85529E-03
0.23825E+04	0.70670E-03	0.38700E+00	0.27349E-03	0.98474E-03
0.23826E+04	0.80029E-03	0.38703E+00	0.30973E-03	0.11152E-02
0.23827E+04	0.89393E-03	0.38706E+00	0.34601E-03	0.12459E-02
0.23828E+04	0.98811E-03	0.38710E+00	0.38249E-03	0.13772E-02
0.23829E+04	0.10823E-02	0.38713E+00	0.41900E-03	0.15087E-02
0.23830E+04	0.11767E-02	0.38716E+00	0.45557E-03	0.16404E-02
0.23831E+04	0.12721E-02	0.38719E+00	0.49253E-03	0.17734E-02
0.23832E+04	0.13684E-02	0.38721E+00	0.52984E-03	0.19078E-02
0.23833E+04	0.14680E-02	0.38724E+00	0.56848E-03	0.20469E-02
0.23834E+04	0.15701E-02	0.38726E+00	0.60802E-03	0.21893E-02
0.23835E+04	0.16727E-02	0.38728E+00	0.64781E-03	0.23325E-02
0.23836E+04	0.17760E-02	0.38730E+00	0.68787E-03	0.24768E-02
0.23837E+04	0.18813E-02	0.38732E+00	0.72866E-03	0.26237E-02
0.23838E+04	0.19866E-02	0.38734E+00	0.76948E-03	0.27706E-02
0.23839E+04	0.20939E-02	0.38736E+00	0.81109E-03	0.29205E-02
0.23840E+04	0.22015E-02	0.38737E+00	0.85279E-03	0.30706E-02
0.23841E+04	0.23112E-02	0.38736E+00	0.89525E-03	0.32235E-02
0.23842E+04	0.24225E-02	0.38734E+00	0.93834E-03	0.33786E-02
0.23843E+04	0.25341E-02	0.38733E+00	0.98152E-03	0.35341E-02
0.23844E+04	0.26460E-02	0.38731E+00	0.10248E-02	0.36900E-02
0.23845E+04	0.27592E-02	0.38730E+00	0.10687E-02	0.38478E-02

0.23846E+04	0.28733E-02	0.38729E+00	0.11128E-02	0.40068E-02
0.23847E+04	0.29879E-02	0.38729E+00	0.11572E-02	0.41666E-02
0.23848E+04	0.31034E-02	0.38728E+00	0.12019E-02	0.43276E-02
0.23849E+04	0.32190E-02	0.38727E+00	0.12466E-02	0.44887E-02
0.23850E+04	0.33350E-02	0.38726E+00	0.12915E-02	0.46503E-02
0.23851E+04	0.34517E-02	0.38727E+00	0.13367E-02	0.48131E-02
0.23852E+04	0.35740E-02	0.38727E+00	0.13841E-02	0.49837E-02
0.23853E+04	0.37039E-02	0.38728E+00	0.14344E-02	0.51648E-02
0.23854E+04	0.38374E-02	0.38728E+00	0.14861E-02	0.53511E-02
0.23855E+04	0.39755E-02	0.38728E+00	0.15397E-02	0.55438E-02
0.23856E+04	0.41180E-02	0.38730E+00	0.15949E-02	0.57427E-02
0.23857E+04	0.42706E-02	0.38731E+00	0.16540E-02	0.59556E-02
0.23858E+04	0.44251E-02	0.38732E+00	0.17139E-02	0.61712E-02
0.23859E+04	0.45796E-02	0.38733E+00	0.17738E-02	0.63869E-02
0.23860E+04	0.47449E-02	0.38735E+00	0.18379E-02	0.66176E-02
0.23861E+04	0.49105E-02	0.38737E+00	0.19022E-02	0.68491E-02
0.23862E+04	0.50819E-02	0.38740E+00	0.19687E-02	0.70887E-02
0.23863E+04	0.52542E-02	0.38743E+00	0.20356E-02	0.73295E-02
0.23864E+04	0.54269E-02	0.38745E+00	0.21027E-02	0.75709E-02
0.23865E+04	0.56013E-02	0.38748E+00	0.21704E-02	0.78148E-02
0.23866E+04	0.57763E-02	0.38751E+00	0.22384E-02	0.80596E-02
0.23867E+04	0.59520E-02	0.38754E+00	0.23066E-02	0.83054E-02
0.23868E+04	0.61282E-02	0.38757E+00	0.23751E-02	0.85519E-02
0.23869E+04	0.63045E-02	0.38760E+00	0.24436E-02	0.87987E-02
0.23870E+04	0.64840E-02	0.38763E+00	0.25134E-02	0.90499E-02
0.23871E+04	0.66660E-02	0.38767E+00	0.25842E-02	0.93048E-02
0.23872E+04	0.68504E-02	0.38770E+00	0.26559E-02	0.95630E-02
0.23873E+04	0.70359E-02	0.38773E+00	0.27280E-02	0.98226E-02
0.23874E+04	0.72215E-02	0.38776E+00	0.28002E-02	0.10083E-01
0.23875E+04	0.74118E-02	0.38780E+00	0.28743E-02	0.10349E-01
0.23876E+04	0.76035E-02	0.38783E+00	0.29489E-02	0.10618E-01
0.23877E+04	0.77961E-02	0.38786E+00	0.30238E-02	0.10888E-01
0.23878E+04	0.79891E-02	0.38789E+00	0.30989E-02	0.11158E-01
0.23879E+04	0.81823E-02	0.38793E+00	0.31741E-02	0.11429E-01
0.23880E+04	0.83796E-02	0.38796E+00	0.32509E-02	0.11705E-01
0.23881E+04	0.85781E-02	0.38801E+00	0.33284E-02	0.11985E-01
0.23882E+04	0.87789E-02	0.38807E+00	0.34068E-02	0.12267E-01
0.23883E+04	0.89800E-02	0.38813E+00	0.34854E-02	0.12550E-01
0.23884E+04	0.91813E-02	0.38818E+00	0.35640E-02	0.12833E-01
0.23885E+04	0.93834E-02	0.38824E+00	0.36430E-02	0.13117E-01
0.23886E+04	0.95869E-02	0.38829E+00	0.37225E-02	0.13404E-01
0.23887E+04	0.97907E-02	0.38835E+00	0.38022E-02	0.13690E-01
0.23888E+04	0.10000E-01	0.38840E+00	0.38841E-02	0.13985E-01

0.23889E+04	0.10211E-01	0.38846E+00	0.39664E-02	0.14282E-01
0.23890E+04	0.10425E-01	0.38851E+00	0.40503E-02	0.14584E-01
0.23891E+04	0.10644E-01	0.38856E+00	0.41358E-02	0.14892E-01
0.23892E+04	0.10870E-01	0.38862E+00	0.42244E-02	0.15211E-01
0.23893E+04	0.11098E-01	0.38867E+00	0.43135E-02	0.15532E-01
0.23894E+04	0.11328E-01	0.38872E+00	0.44036E-02	0.15856E-01
0.23895E+04	0.11565E-01	0.38878E+00	0.44964E-02	0.16190E-01
0.23896E+04	0.11806E-01	0.38883E+00	0.45906E-02	0.16529E-01
0.23897E+04	0.12052E-01	0.38888E+00	0.46869E-02	0.16876E-01
0.23898E+04	0.12300E-01	0.38894E+00	0.47840E-02	0.17226E-01
0.23899E+04	0.12554E-01	0.38899E+00	0.48833E-02	0.17583E-01
0.23900E+04	0.12808E-01	0.38904E+00	0.49829E-02	0.17942E-01
0.23901E+04	0.13071E-01	0.38910E+00	0.50858E-02	0.18312E-01
0.23902E+04	0.13335E-01	0.38917E+00	0.51895E-02	0.18686E-01
0.23903E+04	0.13604E-01	0.38923E+00	0.52949E-02	0.19065E-01
0.23904E+04	0.13873E-01	0.38929E+00	0.54007E-02	0.19446E-01
0.23905E+04	0.14147E-01	0.38936E+00	0.55081E-02	0.19833E-01
0.23906E+04	0.14423E-01	0.38942E+00	0.56164E-02	0.20223E-01
0.23907E+04	0.14703E-01	0.38948E+00	0.57266E-02	0.20620E-01
0.23908E+04	0.14985E-01	0.38954E+00	0.58372E-02	0.21018E-01
0.23909E+04	0.15271E-01	0.38960E+00	0.59495E-02	0.21422E-01
0.23910E+04	0.15557E-01	0.38966E+00	0.60619E-02	0.21827E-01
0.23911E+04	0.15846E-01	0.38972E+00	0.61755E-02	0.22236E-01
0.23912E+04	0.16135E-01	0.38978E+00	0.62892E-02	0.22645E-01
0.23913E+04	0.16426E-01	0.38984E+00	0.64035E-02	0.23057E-01
0.23914E+04	0.16717E-01	0.38990E+00	0.65180E-02	0.23469E-01
0.23915E+04	0.17009E-01	0.38996E+00	0.66327E-02	0.23882E-01
0.23916E+04	0.17326E-01	0.39001E+00	0.67572E-02	0.24330E-01
0.23917E+04	0.17669E-01	0.39007E+00	0.68922E-02	0.24816E-01
0.23918E+04	0.18041E-01	0.39012E+00	0.70383E-02	0.25343E-01
0.23919E+04	0.18443E-01	0.39018E+00	0.71959E-02	0.25910E-01
0.23920E+04	0.18874E-01	0.39023E+00	0.73653E-02	0.26520E-01
0.23921E+04	0.19335E-01	0.39026E+00	0.75458E-02	0.27170E-01
0.23922E+04	0.19826E-01	0.39028E+00	0.77378E-02	0.27861E-01
0.23923E+04	0.20345E-01	0.39031E+00	0.79410E-02	0.28593E-01
0.23924E+04	0.20892E-01	0.39033E+00	0.81550E-02	0.29363E-01
0.23925E+04	0.21465E-01	0.39036E+00	0.83789E-02	0.30169E-01
0.23926E+04	0.22060E-01	0.39038E+00	0.86119E-02	0.31009E-01
0.23927E+04	0.22676E-01	0.39041E+00	0.88530E-02	0.31877E-01
0.23928E+04	0.23311E-01	0.39043E+00	0.91011E-02	0.32770E-01
0.23929E+04	0.23959E-01	0.39045E+00	0.93549E-02	0.33684E-01
0.23930E+04	0.24619E-01	0.39048E+00	0.96133E-02	0.34614E-01
0.23931E+04	0.25288E-01	0.39050E+00	0.98749E-02	0.35556E-01

0.23932E+04	0.25963E-01	0.39052E+00	0.10139E-01	0.36507E-01
0.23933E+04	0.26637E-01	0.39054E+00	0.10403E-01	0.37457E-01
0.23934E+04	0.27312E-01	0.39057E+00	0.10667E-01	0.38408E-01
0.23935E+04	0.27987E-01	0.39059E+00	0.10931E-01	0.39360E-01
0.23936E+04	0.28663E-01	0.39061E+00	0.11196E-01	0.40314E-01
0.23937E+04	0.29341E-01	0.39064E+00	0.11461E-01	0.41269E-01
0.23938E+04	0.30019E-01	0.39066E+00	0.11727E-01	0.42225E-01
0.23939E+04	0.30697E-01	0.39068E+00	0.11993E-01	0.43182E-01
0.23940E+04	0.31377E-01	0.39071E+00	0.12259E-01	0.44141E-01
0.23941E+04	0.32056E-01	0.39077E+00	0.12527E-01	0.45104E-01
0.23942E+04	0.32737E-01	0.39083E+00	0.12794E-01	0.46068E-01
0.23943E+04	0.33425E-01	0.39088E+00	0.13065E-01	0.47043E-01
0.23944E+04	0.34123E-01	0.39094E+00	0.13340E-01	0.48033E-01
0.23945E+04	0.34835E-01	0.39100E+00	0.13621E-01	0.49043E-01
0.23946E+04	0.35566E-01	0.39106E+00	0.13909E-01	0.50080E-01
0.23947E+04	0.36319E-01	0.39112E+00	0.14205E-01	0.51148E-01
0.23948E+04	0.37098E-01	0.39119E+00	0.14512E-01	0.52253E-01
0.23949E+04	0.37905E-01	0.39126E+00	0.14831E-01	0.53400E-01
0.23950E+04	0.38745E-01	0.39134E+00	0.15162E-01	0.54594E-01
0.23951E+04	0.39619E-01	0.39140E+00	0.15507E-01	0.55834E-01
0.23952E+04	0.40529E-01	0.39147E+00	0.15866E-01	0.57127E-01
0.23953E+04	0.41478E-01	0.39153E+00	0.16240E-01	0.58474E-01
0.23954E+04	0.42466E-01	0.39159E+00	0.16629E-01	0.59877E-01
0.23955E+04	0.43493E-01	0.39166E+00	0.17034E-01	0.61335E-01
0.23956E+04	0.44559E-01	0.39172E+00	0.17455E-01	0.62849E-01
0.23957E+04	0.45664E-01	0.39179E+00	0.17891E-01	0.64417E-01
0.23958E+04	0.46805E-01	0.39185E+00	0.18341E-01	0.66038E-01
0.23959E+04	0.47981E-01	0.39192E+00	0.18805E-01	0.67709E-01
0.23960E+04	0.49190E-01	0.39198E+00	0.19281E-01	0.69426E-01
0.23961E+04	0.50428E-01	0.39203E+00	0.19769E-01	0.71183E-01
0.23962E+04	0.51693E-01	0.39209E+00	0.20268E-01	0.72979E-01
0.23963E+04	0.52983E-01	0.39214E+00	0.20777E-01	0.74810E-01
0.23964E+04	0.54294E-01	0.39220E+00	0.21294E-01	0.76672E-01
0.23965E+04	0.55625E-01	0.39225E+00	0.21819E-01	0.78562E-01
0.23966E+04	0.56973E-01	0.39230E+00	0.22350E-01	0.80476E-01
0.23967E+04	0.58337E-01	0.39235E+00	0.22888E-01	0.82413E-01
0.23968E+04	0.59715E-01	0.39240E+00	0.23432E-01	0.84371E-01
0.23969E+04	0.61107E-01	0.39245E+00	0.23981E-01	0.86348E-01
0.23970E+04	0.62513E-01	0.39249E+00	0.24536E-01	0.88346E-01
0.23971E+04	0.63933E-01	0.39254E+00	0.25096E-01	0.90363E-01
0.23972E+04	0.65369E-01	0.39258E+00	0.25663E-01	0.92402E-01
0.23973E+04	0.66823E-01	0.39263E+00	0.26236E-01	0.94468E-01
0.23974E+04	0.68298E-01	0.39267E+00	0.26819E-01	0.96565E-01

0.23975E+04	0.69799E-01	0.39272E+00	0.27411E-01	0.98698E-01
0.23976E+04	0.71330E-01	0.39275E+00	0.28015E-01	0.10087E+00
0.23977E+04	0.72896E-01	0.39279E+00	0.28633E-01	0.10310E+00
0.23978E+04	0.74503E-01	0.39283E+00	0.29267E-01	0.10538E+00
0.23979E+04	0.76158E-01	0.39287E+00	0.29920E-01	0.10773E+00
0.23980E+04	0.77866E-01	0.39291E+00	0.30594E-01	0.11016E+00
0.23981E+04	0.79634E-01	0.39296E+00	0.31293E-01	0.11267E+00
0.23982E+04	0.81469E-01	0.39301E+00	0.32018E-01	0.11529E+00
0.23983E+04	0.83379E-01	0.39307E+00	0.32773E-01	0.11801E+00
0.23984E+04	0.85369E-01	0.39312E+00	0.33560E-01	0.12084E+00
0.23985E+04	0.87445E-01	0.39317E+00	0.34381E-01	0.12379E+00
0.23986E+04	0.89613E-01	0.39323E+00	0.35238E-01	0.12688E+00
0.23987E+04	0.91874E-01	0.39328E+00	0.36132E-01	0.13010E+00
0.23988E+04	0.94233E-01	0.39333E+00	0.37065E-01	0.13346E+00
0.23989E+04	0.96689E-01	0.39339E+00	0.38036E-01	0.13695E+00
0.23990E+04	0.99242E-01	0.39344E+00	0.39046E-01	0.14059E+00
0.23991E+04	0.10189E+00	0.39350E+00	0.40093E-01	0.14436E+00
0.23992E+04	0.10463E+00	0.39355E+00	0.41177E-01	0.14827E+00
0.23993E+04	0.10746E+00	0.39361E+00	0.42296E-01	0.15229E+00
0.23994E+04	0.11037E+00	0.39367E+00	0.43448E-01	0.15644E+00
0.23995E+04	0.11336E+00	0.39372E+00	0.44630E-01	0.16070E+00
0.23996E+04	0.11641E+00	0.39377E+00	0.45839E-01	0.16505E+00
0.23997E+04	0.11952E+00	0.39382E+00	0.47071E-01	0.16949E+00
0.23998E+04	0.12269E+00	0.39387E+00	0.48323E-01	0.17400E+00
0.23999E+04	0.12589E+00	0.39392E+00	0.49593E-01	0.17857E+00
0.24000E+04	0.12913E+00	0.39397E+00	0.50874E-01	0.18318E+00
0.24001E+04	0.13240E+00	0.39398E+00	0.52162E-01	0.18782E+00
0.24002E+04	0.13567E+00	0.39400E+00	0.53454E-01	0.19247E+00
0.24003E+04	0.13895E+00	0.39401E+00	0.54749E-01	0.19713E+00
0.24004E+04	0.14223E+00	0.39403E+00	0.56044E-01	0.20179E+00
0.24005E+04	0.14550E+00	0.39404E+00	0.57335E-01	0.20644E+00
0.24006E+04	0.14876E+00	0.39406E+00	0.58622E-01	0.21108E+00
0.24007E+04	0.15200E+00	0.39408E+00	0.59901E-01	0.21568E+00
0.24008E+04	0.15522E+00	0.39410E+00	0.61173E-01	0.22026E+00
0.24009E+04	0.15842E+00	0.39412E+00	0.62437E-01	0.22481E+00
0.24010E+04	0.16160E+00	0.39414E+00	0.63692E-01	0.22933E+00
0.24011E+04	0.16476E+00	0.39416E+00	0.64940E-01	0.23383E+00
0.24012E+04	0.16790E+00	0.39417E+00	0.66181E-01	0.23829E+00
0.24013E+04	0.17103E+00	0.39419E+00	0.67418E-01	0.24275E+00
0.24014E+04	0.17415E+00	0.39421E+00	0.68652E-01	0.24719E+00
0.24015E+04	0.17727E+00	0.39423E+00	0.69886E-01	0.25163E+00
0.24016E+04	0.18040E+00	0.39424E+00	0.71122E-01	0.25609E+00
0.24017E+04	0.18355E+00	0.39426E+00	0.72365E-01	0.26056E+00

0.24018E+04	0.18671E+00	0.39428E+00	0.73616E-01	0.26507E+00
0.24019E+04	0.18991E+00	0.39429E+00	0.74880E-01	0.26962E+00
0.24020E+04	0.19315E+00	0.39431E+00	0.76159E-01	0.27422E+00
0.24021E+04	0.19643E+00	0.39427E+00	0.77447E-01	0.27886E+00
0.24022E+04	0.19977E+00	0.39424E+00	0.78757E-01	0.28358E+00
0.24023E+04	0.20318E+00	0.39420E+00	0.80092E-01	0.28838E+00
0.24024E+04	0.20665E+00	0.39416E+00	0.81455E-01	0.29329E+00
0.24025E+04	0.21021E+00	0.39413E+00	0.82849E-01	0.29831E+00
0.24026E+04	0.21385E+00	0.39409E+00	0.84275E-01	0.30344E+00
0.24027E+04	0.21758E+00	0.39405E+00	0.85735E-01	0.30870E+00
0.24028E+04	0.22140E+00	0.39401E+00	0.87232E-01	0.31409E+00
0.24029E+04	0.22531E+00	0.39397E+00	0.88765E-01	0.31961E+00
0.24030E+04	0.22932E+00	0.39393E+00	0.90336E-01	0.32527E+00
0.24031E+04	0.23343E+00	0.39388E+00	0.91944E-01	0.33106E+00
0.24032E+04	0.23763E+00	0.39384E+00	0.93589E-01	0.33698E+00
0.24033E+04	0.24193E+00	0.39380E+00	0.95269E-01	0.34303E+00
0.24034E+04	0.24631E+00	0.39375E+00	0.96985E-01	0.34921E+00
0.24035E+04	0.25078E+00	0.39371E+00	0.98734E-01	0.35551E+00
0.24036E+04	0.25533E+00	0.39366E+00	0.10051E+00	0.36191E+00
0.24037E+04	0.25995E+00	0.39362E+00	0.10232E+00	0.36842E+00
0.24038E+04	0.26464E+00	0.39357E+00	0.10416E+00	0.37503E+00
0.24039E+04	0.26939E+00	0.39353E+00	0.10601E+00	0.38172E+00
0.24040E+04	0.27420E+00	0.39348E+00	0.10789E+00	0.38848E+00
0.24041E+04	0.27905E+00	0.39347E+00	0.10980E+00	0.39534E+00
0.24042E+04	0.28394E+00	0.39345E+00	0.11172E+00	0.40225E+00
0.24043E+04	0.28886E+00	0.39344E+00	0.11365E+00	0.40922E+00
0.24044E+04	0.29382E+00	0.39343E+00	0.11560E+00	0.41622E+00
0.24045E+04	0.29879E+00	0.39342E+00	0.11755E+00	0.42326E+00
0.24046E+04	0.30378E+00	0.39341E+00	0.11951E+00	0.43032E+00
0.24047E+04	0.30878E+00	0.39340E+00	0.12148E+00	0.43740E+00
0.24048E+04	0.31379E+00	0.39340E+00	0.12344E+00	0.44448E+00
0.24049E+04	0.31880E+00	0.39339E+00	0.12541E+00	0.45156E+00
0.24050E+04	0.32380E+00	0.39338E+00	0.12738E+00	0.45864E+00
0.24051E+04	0.32880E+00	0.39339E+00	0.12935E+00	0.46573E+00
0.24052E+04	0.33378E+00	0.39340E+00	0.13131E+00	0.47280E+00
0.24053E+04	0.33875E+00	0.39341E+00	0.13327E+00	0.47985E+00
0.24054E+04	0.34370E+00	0.39342E+00	0.13522E+00	0.48687E+00
0.24055E+04	0.34863E+00	0.39343E+00	0.13716E+00	0.49386E+00
0.24056E+04	0.35353E+00	0.39344E+00	0.13909E+00	0.50083E+00
0.24057E+04	0.35840E+00	0.39345E+00	0.14102E+00	0.50775E+00
0.24058E+04	0.36325E+00	0.39347E+00	0.14293E+00	0.51463E+00
0.24059E+04	0.36807E+00	0.39348E+00	0.14483E+00	0.52147E+00
0.24060E+04	0.37285E+00	0.39349E+00	0.14671E+00	0.52826E+00

0.24061E+04	0.37759E+00	0.39352E+00	0.14859E+00	0.53502E+00
0.24062E+04	0.38229E+00	0.39355E+00	0.15045E+00	0.54172E+00
0.24063E+04	0.38695E+00	0.39358E+00	0.15230E+00	0.54836E+00
0.24064E+04	0.39156E+00	0.39361E+00	0.15412E+00	0.55494E+00
0.24065E+04	0.39611E+00	0.39364E+00	0.15593E+00	0.56143E+00
0.24066E+04	0.40061E+00	0.39367E+00	0.15771E+00	0.56785E+00
0.24067E+04	0.40505E+00	0.39370E+00	0.15947E+00	0.57419E+00
0.24068E+04	0.40942E+00	0.39373E+00	0.16120E+00	0.58043E+00
0.24069E+04	0.41371E+00	0.39376E+00	0.16290E+00	0.58656E+00
0.24070E+04	0.41793E+00	0.39379E+00	0.16458E+00	0.59259E+00
0.24071E+04	0.42207E+00	0.39382E+00	0.16622E+00	0.59851E+00
0.24072E+04	0.42613E+00	0.39386E+00	0.16783E+00	0.60431E+00
0.24073E+04	0.43010E+00	0.39389E+00	0.16941E+00	0.60999E+00
0.24074E+04	0.43399E+00	0.39392E+00	0.17096E+00	0.61556E+00
0.24075E+04	0.43780E+00	0.39395E+00	0.17247E+00	0.62102E+00
0.24076E+04	0.44154E+00	0.39399E+00	0.17396E+00	0.62637E+00
0.24077E+04	0.44521E+00	0.39402E+00	0.17542E+00	0.63163E+00
0.24078E+04	0.44883E+00	0.39405E+00	0.17686E+00	0.63682E+00
0.24079E+04	0.45241E+00	0.39408E+00	0.17829E+00	0.64194E+00
0.24080E+04	0.45595E+00	0.39412E+00	0.17970E+00	0.64703E+00
0.24081E+04	0.45948E+00	0.39419E+00	0.18112E+00	0.65215E+00
0.24082E+04	0.46300E+00	0.39426E+00	0.18254E+00	0.65728E+00
0.24083E+04	0.46653E+00	0.39433E+00	0.18397E+00	0.66241E+00
0.24084E+04	0.47008E+00	0.39441E+00	0.18540E+00	0.66757E+00
0.24085E+04	0.47364E+00	0.39448E+00	0.18684E+00	0.67275E+00
0.24086E+04	0.47722E+00	0.39455E+00	0.18829E+00	0.67797E+00
0.24087E+04	0.48083E+00	0.39463E+00	0.18975E+00	0.68322E+00
0.24088E+04	0.48445E+00	0.39470E+00	0.19121E+00	0.68849E+00
0.24089E+04	0.48809E+00	0.39478E+00	0.19269E+00	0.69380E+00
0.24090E+04	0.49174E+00	0.39485E+00	0.19417E+00	0.69913E+00
0.24091E+04	0.49542E+00	0.39493E+00	0.19566E+00	0.70449E+00
0.24092E+04	0.49911E+00	0.39501E+00	0.19715E+00	0.70988E+00
0.24093E+04	0.50282E+00	0.39508E+00	0.19866E+00	0.71529E+00
0.24094E+04	0.50656E+00	0.39516E+00	0.20017E+00	0.72075E+00
0.24095E+04	0.51032E+00	0.39524E+00	0.20170E+00	0.72625E+00
0.24096E+04	0.51412E+00	0.39532E+00	0.20324E+00	0.73179E+00
0.24097E+04	0.51794E+00	0.39539E+00	0.20479E+00	0.73738E+00
0.24098E+04	0.52180E+00	0.39547E+00	0.20636E+00	0.74302E+00
0.24099E+04	0.52570E+00	0.39555E+00	0.20794E+00	0.74872E+00
0.24100E+04	0.52963E+00	0.39563E+00	0.20954E+00	0.75446E+00
0.24101E+04	0.53359E+00	0.39572E+00	0.21115E+00	0.76028E+00
0.24102E+04	0.53758E+00	0.39581E+00	0.21278E+00	0.76614E+00
0.24103E+04	0.54159E+00	0.39590E+00	0.21442E+00	0.77203E+00

0.24104E+04	0.54561E+00	0.39599E+00	0.21606E+00	0.77795E+00
0.24105E+04	0.54964E+00	0.39609E+00	0.21770E+00	0.78388E+00
0.24106E+04	0.55367E+00	0.39617E+00	0.21935E+00	0.78980E+00
0.24107E+04	0.55768E+00	0.39626E+00	0.22099E+00	0.79570E+00
0.24108E+04	0.56167E+00	0.39635E+00	0.22262E+00	0.80157E+00
0.24109E+04	0.56562E+00	0.39644E+00	0.22423E+00	0.80739E+00
0.24110E+04	0.56952E+00	0.39653E+00	0.22583E+00	0.81313E+00
0.24111E+04	0.57336E+00	0.39661E+00	0.22740E+00	0.81878E+00
0.24112E+04	0.57712E+00	0.39669E+00	0.22894E+00	0.82433E+00
0.24113E+04	0.58081E+00	0.39678E+00	0.23045E+00	0.82977E+00
0.24114E+04	0.58441E+00	0.39686E+00	0.23193E+00	0.83509E+00
0.24115E+04	0.58791E+00	0.39694E+00	0.23337E+00	0.84027E+00
0.24116E+04	0.59132E+00	0.39702E+00	0.23476E+00	0.84530E+00
0.24117E+04	0.59463E+00	0.39709E+00	0.23612E+00	0.85019E+00
0.24118E+04	0.59783E+00	0.39717E+00	0.23744E+00	0.85494E+00
0.24119E+04	0.60094E+00	0.39724E+00	0.23872E+00	0.85954E+00
0.24120E+04	0.60394E+00	0.39732E+00	0.23996E+00	0.86401E+00
0.24121E+04	0.60685E+00	0.39736E+00	0.24114E+00	0.86826E+00
0.24122E+04	0.60966E+00	0.39740E+00	0.24228E+00	0.87236E+00
0.24123E+04	0.61238E+00	0.39744E+00	0.24338E+00	0.87633E+00
0.24124E+04	0.61500E+00	0.39747E+00	0.24445E+00	0.88017E+00
0.24125E+04	0.61753E+00	0.39751E+00	0.24548E+00	0.88387E+00
0.24126E+04	0.61997E+00	0.39755E+00	0.24647E+00	0.88744E+00
0.24127E+04	0.62231E+00	0.39758E+00	0.24742E+00	0.89087E+00
0.24128E+04	0.62457E+00	0.39761E+00	0.24834E+00	0.89417E+00
0.24129E+04	0.62672E+00	0.39765E+00	0.24922E+00	0.89734E+00
0.24130E+04	0.62878E+00	0.39768E+00	0.25006E+00	0.90037E+00
0.24131E+04	0.63074E+00	0.39772E+00	0.25086E+00	0.90325E+00
0.24132E+04	0.63261E+00	0.39775E+00	0.25162E+00	0.90600E+00
0.24133E+04	0.63437E+00	0.39779E+00	0.25235E+00	0.90861E+00
0.24134E+04	0.63604E+00	0.39782E+00	0.25303E+00	0.91108E+00
0.24135E+04	0.63762E+00	0.39786E+00	0.25368E+00	0.91342E+00
0.24136E+04	0.63911E+00	0.39790E+00	0.25430E+00	0.91565E+00
0.24137E+04	0.64054E+00	0.39794E+00	0.25489E+00	0.91778E+00
0.24138E+04	0.64190E+00	0.39798E+00	0.25546E+00	0.91982E+00
0.24139E+04	0.64321E+00	0.39802E+00	0.25601E+00	0.92181E+00
0.24140E+04	0.64448E+00	0.39807E+00	0.25655E+00	0.92374E+00
0.24141E+04	0.64573E+00	0.39813E+00	0.25708E+00	0.92567E+00
0.24142E+04	0.64697E+00	0.39819E+00	0.25762E+00	0.92759E+00
0.24143E+04	0.64821E+00	0.39824E+00	0.25815E+00	0.92949E+00
0.24144E+04	0.64945E+00	0.39830E+00	0.25868E+00	0.93140E+00
0.24145E+04	0.65069E+00	0.39836E+00	0.25921E+00	0.93332E+00
0.24146E+04	0.65193E+00	0.39843E+00	0.25975E+00	0.93526E+00

0.24147E+04	0.65318E+00	0.39849E+00	0.26029E+00	0.93721E+00
0.24148E+04	0.65443E+00	0.39856E+00	0.26083E+00	0.93915E+00
0.24149E+04	0.65568E+00	0.39863E+00	0.26137E+00	0.94110E+00
0.24150E+04	0.65693E+00	0.39869E+00	0.26191E+00	0.94305E+00
0.24151E+04	0.65817E+00	0.39875E+00	0.26245E+00	0.94498E+00
0.24152E+04	0.65941E+00	0.39881E+00	0.26298E+00	0.94690E+00
0.24153E+04	0.66064E+00	0.39887E+00	0.26351E+00	0.94882E+00
0.24154E+04	0.66187E+00	0.39894E+00	0.26405E+00	0.95073E+00
0.24155E+04	0.66310E+00	0.39900E+00	0.26458E+00	0.95264E+00
0.24156E+04	0.66432E+00	0.39906E+00	0.26511E+00	0.95455E+00
0.24157E+04	0.66554E+00	0.39912E+00	0.26563E+00	0.95645E+00
0.24158E+04	0.66675E+00	0.39919E+00	0.26616E+00	0.95835E+00
0.24159E+04	0.66796E+00	0.39925E+00	0.26668E+00	0.96023E+00
0.24160E+04	0.66916E+00	0.39932E+00	0.26721E+00	0.96212E+00
0.24161E+04	0.67035E+00	0.39941E+00	0.26775E+00	0.96406E+00
0.24162E+04	0.67153E+00	0.39951E+00	0.26828E+00	0.96599E+00
0.24163E+04	0.67271E+00	0.39960E+00	0.26882E+00	0.96791E+00
0.24164E+04	0.67388E+00	0.39970E+00	0.26935E+00	0.96982E+00
0.24165E+04	0.67504E+00	0.39979E+00	0.26987E+00	0.97172E+00
0.24166E+04	0.67619E+00	0.39988E+00	0.27039E+00	0.97359E+00
0.24167E+04	0.67733E+00	0.39996E+00	0.27091E+00	0.97544E+00
0.24168E+04	0.67845E+00	0.40005E+00	0.27141E+00	0.97727E+00
0.24169E+04	0.67956E+00	0.40014E+00	0.27191E+00	0.97907E+00
0.24170E+04	0.68064E+00	0.40022E+00	0.27241E+00	0.98085E+00
0.24171E+04	0.68170E+00	0.40030E+00	0.27289E+00	0.98257E+00
0.24172E+04	0.68274E+00	0.40038E+00	0.27335E+00	0.98425E+00
0.24173E+04	0.68374E+00	0.40046E+00	0.27381E+00	0.98589E+00
0.24174E+04	0.68471E+00	0.40054E+00	0.27425E+00	0.98749E+00
0.24175E+04	0.68564E+00	0.40061E+00	0.27468E+00	0.98902E+00
0.24176E+04	0.68653E+00	0.40068E+00	0.27508E+00	0.99047E+00
0.24177E+04	0.68737E+00	0.40075E+00	0.27546E+00	0.99185E+00
0.24178E+04	0.68815E+00	0.40082E+00	0.27583E+00	0.99316E+00
0.24179E+04	0.68889E+00	0.40089E+00	0.27617E+00	0.99438E+00
0.24180E+04	0.68956E+00	0.40096E+00	0.27648E+00	0.99552E+00
0.24181E+04	0.69017E+00	0.40098E+00	0.27675E+00	0.99647E+00
0.24182E+04	0.69072E+00	0.40099E+00	0.27697E+00	0.99729E+00
0.24183E+04	0.69120E+00	0.40100E+00	0.27717E+00	0.99800E+00
0.24184E+04	0.69161E+00	0.40101E+00	0.27734E+00	0.99862E+00
0.24185E+04	0.69195E+00	0.40102E+00	0.27749E+00	0.99913E+00
0.24186E+04	0.69221E+00	0.40103E+00	0.27760E+00	0.99952E+00
0.24187E+04	0.69239E+00	0.40104E+00	0.27767E+00	0.99981E+00
0.24188E+04	0.69249E+00	0.40104E+00	0.27772E+00	0.99997E+00
0.24189E+04	0.69250E+00	0.40105E+00	0.27773E+00	0.10000E+01

0.24190E+04	0.69242E+00	0.40106E+00	0.27770E+00	0.99990E+00
0.24191E+04	0.69225E+00	0.40106E+00	0.27763E+00	0.99967E+00
0.24192E+04	0.69197E+00	0.40107E+00	0.27753E+00	0.99929E+00
0.24193E+04	0.69159E+00	0.40108E+00	0.27738E+00	0.99877E+00
0.24194E+04	0.69111E+00	0.40109E+00	0.27720E+00	0.99810E+00
0.24195E+04	0.69054E+00	0.40110E+00	0.27697E+00	0.99728E+00
0.24196E+04	0.68986E+00	0.40111E+00	0.27671E+00	0.99634E+00
0.24197E+04	0.68909E+00	0.40113E+00	0.27641E+00	0.99526E+00
0.24198E+04	0.68823E+00	0.40114E+00	0.27608E+00	0.99405E+00
0.24199E+04	0.68729E+00	0.40115E+00	0.27571E+00	0.99273E+00
0.24200E+04	0.68628E+00	0.40117E+00	0.27531E+00	0.99130E+00
0.24201E+04	0.68521E+00	0.40121E+00	0.27491E+00	0.98987E+00
0.24202E+04	0.68409E+00	0.40126E+00	0.27450E+00	0.98836E+00
0.24203E+04	0.68294E+00	0.40130E+00	0.27406E+00	0.98681E+00
0.24204E+04	0.68177E+00	0.40134E+00	0.27362E+00	0.98522E+00
0.24205E+04	0.68059E+00	0.40139E+00	0.27318E+00	0.98363E+00
0.24206E+04	0.67942E+00	0.40144E+00	0.27274E+00	0.98205E+00
0.24207E+04	0.67826E+00	0.40149E+00	0.27231E+00	0.98050E+00
0.24208E+04	0.67714E+00	0.40154E+00	0.27189E+00	0.97900E+00
0.24209E+04	0.67605E+00	0.40158E+00	0.27149E+00	0.97754E+00
0.24210E+04	0.67501E+00	0.40163E+00	0.27111E+00	0.97616E+00
0.24211E+04	0.67403E+00	0.40169E+00	0.27075E+00	0.97487E+00
0.24212E+04	0.67311E+00	0.40174E+00	0.27041E+00	0.97367E+00
0.24213E+04	0.67226E+00	0.40179E+00	0.27011E+00	0.97257E+00
0.24214E+04	0.67148E+00	0.40185E+00	0.26983E+00	0.97156E+00
0.24215E+04	0.67077E+00	0.40190E+00	0.26958E+00	0.97067E+00
0.24216E+04	0.67014E+00	0.40195E+00	0.26936E+00	0.96988E+00
0.24217E+04	0.66957E+00	0.40200E+00	0.26917E+00	0.96919E+00
0.24218E+04	0.66907E+00	0.40206E+00	0.26901E+00	0.96859E+00
0.24219E+04	0.66864E+00	0.40211E+00	0.26886E+00	0.96809E+00
0.24220E+04	0.66825E+00	0.40216E+00	0.26875E+00	0.96767E+00
0.24221E+04	0.66793E+00	0.40221E+00	0.26865E+00	0.96731E+00
0.24222E+04	0.66764E+00	0.40227E+00	0.26857E+00	0.96703E+00
0.24223E+04	0.66740E+00	0.40232E+00	0.26851E+00	0.96681E+00
0.24224E+04	0.66718E+00	0.40238E+00	0.26846E+00	0.96663E+00
0.24225E+04	0.66700E+00	0.40243E+00	0.26842E+00	0.96649E+00
0.24226E+04	0.66684E+00	0.40248E+00	0.26839E+00	0.96637E+00
0.24227E+04	0.66669E+00	0.40253E+00	0.26836E+00	0.96628E+00
0.24228E+04	0.66655E+00	0.40258E+00	0.26834E+00	0.96620E+00
0.24229E+04	0.66641E+00	0.40263E+00	0.26832E+00	0.96611E+00
0.24230E+04	0.66627E+00	0.40268E+00	0.26829E+00	0.96602E+00
0.24231E+04	0.66612E+00	0.40272E+00	0.26826E+00	0.96591E+00
0.24232E+04	0.66597E+00	0.40276E+00	0.26822E+00	0.96578E+00

0.24233E+04	0.66580E+00	0.40280E+00	0.26818E+00	0.96564E+00
0.24234E+04	0.66561E+00	0.40284E+00	0.26814E+00	0.96546E+00
0.24235E+04	0.66540E+00	0.40288E+00	0.26808E+00	0.96526E+00
0.24236E+04	0.66518E+00	0.40293E+00	0.26802E+00	0.96503E+00
0.24237E+04	0.66493E+00	0.40297E+00	0.26795E+00	0.96478E+00
0.24238E+04	0.66467E+00	0.40301E+00	0.26787E+00	0.96450E+00
0.24239E+04	0.66440E+00	0.40305E+00	0.26779E+00	0.96420E+00
0.24240E+04	0.66412E+00	0.40309E+00	0.26770E+00	0.96390E+00
0.24241E+04	0.66384E+00	0.40312E+00	0.26761E+00	0.96357E+00
0.24242E+04	0.66356E+00	0.40316E+00	0.26752E+00	0.96324E+00
0.24243E+04	0.66329E+00	0.40319E+00	0.26743E+00	0.96292E+00
0.24244E+04	0.66303E+00	0.40322E+00	0.26735E+00	0.96262E+00
0.24245E+04	0.66279E+00	0.40325E+00	0.26727E+00	0.96234E+00
0.24246E+04	0.66256E+00	0.40329E+00	0.26720E+00	0.96211E+00
0.24247E+04	0.66236E+00	0.40333E+00	0.26715E+00	0.96191E+00
0.24248E+04	0.66219E+00	0.40336E+00	0.26710E+00	0.96174E+00
0.24249E+04	0.66203E+00	0.40340E+00	0.26706E+00	0.96161E+00
0.24250E+04	0.66191E+00	0.40344E+00	0.26704E+00	0.96151E+00
0.24251E+04	0.66180E+00	0.40348E+00	0.26703E+00	0.96147E+00
0.24252E+04	0.66172E+00	0.40353E+00	0.26702E+00	0.96146E+00
0.24253E+04	0.66165E+00	0.40358E+00	0.26703E+00	0.96148E+00
0.24254E+04	0.66161E+00	0.40363E+00	0.26704E+00	0.96153E+00
0.24255E+04	0.66158E+00	0.40368E+00	0.26706E+00	0.96160E+00
0.24256E+04	0.66156E+00	0.40373E+00	0.26709E+00	0.96171E+00
0.24257E+04	0.66156E+00	0.40378E+00	0.26713E+00	0.96183E+00
0.24258E+04	0.66157E+00	0.40384E+00	0.26716E+00	0.96197E+00
0.24259E+04	0.66158E+00	0.40389E+00	0.26721E+00	0.96212E+00
0.24260E+04	0.66161E+00	0.40394E+00	0.26725E+00	0.96228E+00
0.24261E+04	0.66164E+00	0.40400E+00	0.26730E+00	0.96247E+00
0.24262E+04	0.66168E+00	0.40406E+00	0.26736E+00	0.96266E+00
0.24263E+04	0.66173E+00	0.40411E+00	0.26741E+00	0.96286E+00
0.24264E+04	0.66179E+00	0.40417E+00	0.26747E+00	0.96308E+00
0.24265E+04	0.66186E+00	0.40422E+00	0.26754E+00	0.96331E+00
0.24266E+04	0.66195E+00	0.40428E+00	0.26761E+00	0.96358E+00
0.24267E+04	0.66207E+00	0.40433E+00	0.26770E+00	0.96388E+00
0.24268E+04	0.66222E+00	0.40439E+00	0.26779E+00	0.96423E+00
0.24269E+04	0.66241E+00	0.40444E+00	0.26791E+00	0.96464E+00
0.24270E+04	0.66264E+00	0.40450E+00	0.26804E+00	0.96512E+00
0.24271E+04	0.66293E+00	0.40455E+00	0.26819E+00	0.96567E+00
0.24272E+04	0.66328E+00	0.40461E+00	0.26837E+00	0.96630E+00
0.24273E+04	0.66367E+00	0.40466E+00	0.26856E+00	0.96700E+00
0.24274E+04	0.66412E+00	0.40472E+00	0.26878E+00	0.96778E+00
0.24275E+04	0.66461E+00	0.40477E+00	0.26902E+00	0.96863E+00

0.24276E+04	0.66515E+00	0.40482E+00	0.26927E+00	0.96954E+00
0.24277E+04	0.66573E+00	0.40487E+00	0.26953E+00	0.97050E+00
0.24278E+04	0.66634E+00	0.40492E+00	0.26981E+00	0.97151E+00
0.24279E+04	0.66698E+00	0.40497E+00	0.27011E+00	0.97256E+00
0.24280E+04	0.66765E+00	0.40502E+00	0.27041E+00	0.97365E+00
0.24281E+04	0.66834E+00	0.40501E+00	0.27068E+00	0.97464E+00
0.24282E+04	0.66904E+00	0.40500E+00	0.27096E+00	0.97564E+00
0.24283E+04	0.66976E+00	0.40499E+00	0.27125E+00	0.97666E+00
0.24284E+04	0.67049E+00	0.40498E+00	0.27154E+00	0.97771E+00
0.24285E+04	0.67123E+00	0.40497E+00	0.27183E+00	0.97876E+00
0.24286E+04	0.67198E+00	0.40495E+00	0.27212E+00	0.97982E+00
0.24287E+04	0.67273E+00	0.40494E+00	0.27241E+00	0.98087E+00
0.24288E+04	0.67347E+00	0.40493E+00	0.27270E+00	0.98191E+00
0.24289E+04	0.67418E+00	0.40491E+00	0.27298E+00	0.98291E+00
0.24290E+04	0.67485E+00	0.40490E+00	0.27324E+00	0.98385E+00
0.24291E+04	0.67546E+00	0.40488E+00	0.27348E+00	0.98470E+00
0.24292E+04	0.67599E+00	0.40486E+00	0.27368E+00	0.98544E+00
0.24293E+04	0.67643E+00	0.40485E+00	0.27385E+00	0.98604E+00
0.24294E+04	0.67676E+00	0.40483E+00	0.27397E+00	0.98648E+00
0.24295E+04	0.67696E+00	0.40482E+00	0.27404E+00	0.98673E+00
0.24296E+04	0.67701E+00	0.40480E+00	0.27406E+00	0.98678E+00
0.24297E+04	0.67692E+00	0.40479E+00	0.27401E+00	0.98660E+00
0.24298E+04	0.67665E+00	0.40477E+00	0.27389E+00	0.98618E+00
0.24299E+04	0.67622E+00	0.40475E+00	0.27370E+00	0.98550E+00
0.24300E+04	0.67560E+00	0.40474E+00	0.27344E+00	0.98457E+00
0.24301E+04	0.67481E+00	0.40475E+00	0.27313E+00	0.98345E+00
0.24302E+04	0.67383E+00	0.40477E+00	0.27275E+00	0.98207E+00
0.24303E+04	0.67267E+00	0.40479E+00	0.27229E+00	0.98044E+00
0.24304E+04	0.67134E+00	0.40481E+00	0.27177E+00	0.97854E+00
0.24305E+04	0.66983E+00	0.40484E+00	0.27117E+00	0.97639E+00
0.24306E+04	0.66815E+00	0.40486E+00	0.27051E+00	0.97400E+00
0.24307E+04	0.66633E+00	0.40488E+00	0.26978E+00	0.97139E+00
0.24308E+04	0.66436E+00	0.40490E+00	0.26900E+00	0.96857E+00
0.24309E+04	0.66227E+00	0.40492E+00	0.26817E+00	0.96557E+00
0.24310E+04	0.66006E+00	0.40494E+00	0.26729E+00	0.96242E+00
0.24311E+04	0.65776E+00	0.40496E+00	0.26637E+00	0.95911E+00
0.24312E+04	0.65538E+00	0.40498E+00	0.26542E+00	0.95568E+00
0.24313E+04	0.65291E+00	0.40500E+00	0.26443E+00	0.95213E+00
0.24314E+04	0.65037E+00	0.40502E+00	0.26342E+00	0.94847E+00
0.24315E+04	0.64774E+00	0.40505E+00	0.26237E+00	0.94469E+00
0.24316E+04	0.64502E+00	0.40506E+00	0.26127E+00	0.94076E+00
0.24317E+04	0.64219E+00	0.40508E+00	0.26014E+00	0.93667E+00
0.24318E+04	0.63924E+00	0.40510E+00	0.25895E+00	0.93240E+00

0.24319E+04	0.63613E+00	0.40511E+00	0.25770E+00	0.92790E+00
0.24320E+04	0.63285E+00	0.40513E+00	0.25639E+00	0.92317E+00
0.24321E+04	0.62940E+00	0.40517E+00	0.25501E+00	0.91820E+00
0.24322E+04	0.62574E+00	0.40521E+00	0.25355E+00	0.91296E+00
0.24323E+04	0.62187E+00	0.40525E+00	0.25201E+00	0.90740E+00
0.24324E+04	0.61778E+00	0.40529E+00	0.25038E+00	0.90153E+00
0.24325E+04	0.61347E+00	0.40533E+00	0.24866E+00	0.89533E+00
0.24326E+04	0.60896E+00	0.40537E+00	0.24685E+00	0.88883E+00
0.24327E+04	0.60425E+00	0.40540E+00	0.24496E+00	0.88203E+00
0.24328E+04	0.59937E+00	0.40544E+00	0.24301E+00	0.87498E+00
0.24329E+04	0.59432E+00	0.40547E+00	0.24098E+00	0.86769E+00
0.24330E+04	0.58913E+00	0.40551E+00	0.23890E+00	0.86018E+00
0.24331E+04	0.58381E+00	0.40554E+00	0.23675E+00	0.85247E+00
0.24332E+04	0.57835E+00	0.40557E+00	0.23456E+00	0.84457E+00
0.24333E+04	0.57278E+00	0.40560E+00	0.23232E+00	0.83650E+00
0.24334E+04	0.56709E+00	0.40563E+00	0.23002E+00	0.82824E+00
0.24335E+04	0.56126E+00	0.40566E+00	0.22768E+00	0.81980E+00
0.24336E+04	0.55531E+00	0.40568E+00	0.22528E+00	0.81115E+00
0.24337E+04	0.54921E+00	0.40571E+00	0.22282E+00	0.80230E+00
0.24338E+04	0.54296E+00	0.40574E+00	0.22030E+00	0.79323E+00
0.24339E+04	0.53656E+00	0.40576E+00	0.21772E+00	0.78393E+00
0.24340E+04	0.53000E+00	0.40580E+00	0.21507E+00	0.77440E+00
0.24341E+04	0.52328E+00	0.40585E+00	0.21237E+00	0.76468E+00
0.24342E+04	0.51641E+00	0.40590E+00	0.20961E+00	0.75473E+00
0.24343E+04	0.50939E+00	0.40595E+00	0.20679E+00	0.74456E+00
0.24344E+04	0.50222E+00	0.40600E+00	0.20390E+00	0.73418E+00
0.24345E+04	0.49493E+00	0.40605E+00	0.20097E+00	0.72361E+00
0.24346E+04	0.48751E+00	0.40611E+00	0.19798E+00	0.71287E+00
0.24347E+04	0.47999E+00	0.40616E+00	0.19495E+00	0.70196E+00
0.24348E+04	0.47236E+00	0.40622E+00	0.19188E+00	0.69090E+00
0.24349E+04	0.46464E+00	0.40627E+00	0.18877E+00	0.67970E+00
0.24350E+04	0.45683E+00	0.40633E+00	0.18562E+00	0.66837E+00
0.24351E+04	0.44895E+00	0.40641E+00	0.18246E+00	0.65697E+00
0.24352E+04	0.44099E+00	0.40649E+00	0.17926E+00	0.64546E+00
0.24353E+04	0.43298E+00	0.40658E+00	0.17604E+00	0.63385E+00
0.24354E+04	0.42491E+00	0.40666E+00	0.17279E+00	0.62217E+00
0.24355E+04	0.41680E+00	0.40674E+00	0.16953E+00	0.61042E+00
0.24356E+04	0.40865E+00	0.40683E+00	0.16625E+00	0.59862E+00
0.24357E+04	0.40048E+00	0.40692E+00	0.16296E+00	0.58677E+00
0.24358E+04	0.39228E+00	0.40701E+00	0.15966E+00	0.57489E+00
0.24359E+04	0.38408E+00	0.40710E+00	0.15636E+00	0.56299E+00
0.24360E+04	0.37588E+00	0.40719E+00	0.15305E+00	0.55108E+00
0.24361E+04	0.36768E+00	0.40728E+00	0.14975E+00	0.53919E+00

0.24362E+04	0.35950E+00	0.40737E+00	0.14645E+00	0.52732E+00
0.24363E+04	0.35135E+00	0.40747E+00	0.14317E+00	0.51549E+00
0.24364E+04	0.34325E+00	0.40756E+00	0.13990E+00	0.50372E+00
0.24365E+04	0.33521E+00	0.40766E+00	0.13665E+00	0.49203E+00
0.24366E+04	0.32724E+00	0.40775E+00	0.13344E+00	0.48045E+00
0.24367E+04	0.31939E+00	0.40785E+00	0.13026E+00	0.46903E+00
0.24368E+04	0.31166E+00	0.40795E+00	0.12714E+00	0.45779E+00
0.24369E+04	0.30408E+00	0.40805E+00	0.12408E+00	0.44677E+00
0.24370E+04	0.29669E+00	0.40814E+00	0.12109E+00	0.43601E+00
0.24371E+04	0.28949E+00	0.40824E+00	0.11818E+00	0.42553E+00
0.24372E+04	0.28250E+00	0.40834E+00	0.11536E+00	0.41537E+00
0.24373E+04	0.27574E+00	0.40844E+00	0.11263E+00	0.40552E+00
0.24374E+04	0.26921E+00	0.40854E+00	0.10998E+00	0.39601E+00
0.24375E+04	0.26289E+00	0.40864E+00	0.10743E+00	0.38682E+00
0.24376E+04	0.25679E+00	0.40874E+00	0.10496E+00	0.37793E+00
0.24377E+04	0.25088E+00	0.40884E+00	0.10257E+00	0.36932E+00
0.24378E+04	0.24515E+00	0.40893E+00	0.10025E+00	0.36097E+00
0.24379E+04	0.23957E+00	0.40903E+00	0.97992E-01	0.35284E+00
0.24380E+04	0.23412E+00	0.40913E+00	0.95787E-01	0.34490E+00
0.24381E+04	0.22878E+00	0.40921E+00	0.93618E-01	0.33709E+00
0.24382E+04	0.22352E+00	0.40928E+00	0.91482E-01	0.32939E+00
0.24383E+04	0.21832E+00	0.40936E+00	0.89370E-01	0.32179E+00
0.24384E+04	0.21316E+00	0.40944E+00	0.87274E-01	0.31424E+00
0.24385E+04	0.20803E+00	0.40951E+00	0.85192E-01	0.30675E+00
0.24386E+04	0.20294E+00	0.40959E+00	0.83121E-01	0.29929E+00
0.24387E+04	0.19787E+00	0.40966E+00	0.81061E-01	0.29187E+00
0.24388E+04	0.19284E+00	0.40974E+00	0.79014E-01	0.28450E+00
0.24389E+04	0.18784E+00	0.40982E+00	0.76981E-01	0.27718E+00
0.24390E+04	0.18289E+00	0.40989E+00	0.74965E-01	0.26992E+00
0.24391E+04	0.17799E+00	0.40996E+00	0.72969E-01	0.26274E+00
0.24392E+04	0.17315E+00	0.41004E+00	0.70998E-01	0.25564E+00
0.24393E+04	0.16838E+00	0.41011E+00	0.69053E-01	0.24864E+00
0.24394E+04	0.16367E+00	0.41019E+00	0.67137E-01	0.24174E+00
0.24395E+04	0.15905E+00	0.41026E+00	0.65252E-01	0.23495E+00
0.24396E+04	0.15451E+00	0.41034E+00	0.63402E-01	0.22829E+00
0.24397E+04	0.15006E+00	0.41041E+00	0.61587E-01	0.22175E+00
0.24398E+04	0.14571E+00	0.41049E+00	0.59811E-01	0.21536E+00
0.24399E+04	0.14145E+00	0.41056E+00	0.58076E-01	0.20911E+00
0.24400E+04	0.13731E+00	0.41063E+00	0.56384E-01	0.20302E+00
0.24401E+04	0.13328E+00	0.41070E+00	0.54735E-01	0.19708E+00
0.24402E+04	0.12935E+00	0.41076E+00	0.53133E-01	0.19131E+00
0.24403E+04	0.12555E+00	0.41082E+00	0.51580E-01	0.18572E+00
0.24404E+04	0.12187E+00	0.41088E+00	0.50075E-01	0.18030E+00

0.24405E+04	0.11831E+00	0.41094E+00	0.48620E-01	0.17506E+00
0.24406E+04	0.11488E+00	0.41100E+00	0.47214E-01	0.17000E+00
0.24407E+04	0.11156E+00	0.41106E+00	0.45859E-01	0.16512E+00
0.24408E+04	0.10837E+00	0.41112E+00	0.44552E-01	0.16042E+00
0.24409E+04	0.10529E+00	0.41118E+00	0.43294E-01	0.15589E+00
0.24410E+04	0.10233E+00	0.41124E+00	0.42081E-01	0.15152E+00
0.24411E+04	0.99473E-01	0.41130E+00	0.40913E-01	0.14732E+00
0.24412E+04	0.96723E-01	0.41136E+00	0.39788E-01	0.14326E+00
0.24413E+04	0.94071E-01	0.41142E+00	0.38702E-01	0.13935E+00
0.24414E+04	0.91511E-01	0.41148E+00	0.37655E-01	0.13558E+00
0.24415E+04	0.89037E-01	0.41154E+00	0.36642E-01	0.13194E+00
0.24416E+04	0.86644E-01	0.41159E+00	0.35662E-01	0.12841E+00
0.24417E+04	0.84325E-01	0.41165E+00	0.34712E-01	0.12499E+00
0.24418E+04	0.82076E-01	0.41170E+00	0.33791E-01	0.12167E+00
0.24419E+04	0.79892E-01	0.41176E+00	0.32896E-01	0.11845E+00
0.24420E+04	0.77769E-01	0.41182E+00	0.32027E-01	0.11532E+00
0.24421E+04	0.75704E-01	0.41188E+00	0.31181E-01	0.11227E+00
0.24422E+04	0.73693E-01	0.41194E+00	0.30357E-01	0.10930E+00
0.24423E+04	0.71734E-01	0.41200E+00	0.29554E-01	0.10641E+00
0.24424E+04	0.69823E-01	0.41206E+00	0.28771E-01	0.10359E+00
0.24425E+04	0.67959E-01	0.41212E+00	0.28007E-01	0.10084E+00
0.24426E+04	0.66140E-01	0.41217E+00	0.27261E-01	0.98157E-01
0.24427E+04	0.64364E-01	0.41223E+00	0.26532E-01	0.95534E-01
0.24428E+04	0.62629E-01	0.41228E+00	0.25821E-01	0.92972E-01
0.24429E+04	0.60936E-01	0.41234E+00	0.25126E-01	0.90471E-01
0.24430E+04	0.59283E-01	0.41239E+00	0.24448E-01	0.88028E-01
0.24431E+04	0.57670E-01	0.41244E+00	0.23785E-01	0.85643E-01
0.24432E+04	0.56096E-01	0.41249E+00	0.23139E-01	0.83316E-01
0.24433E+04	0.54561E-01	0.41254E+00	0.22509E-01	0.81046E-01
0.24434E+04	0.53065E-01	0.41259E+00	0.21894E-01	0.78833E-01
0.24435E+04	0.51608E-01	0.41264E+00	0.21296E-01	0.76678E-01
0.24436E+04	0.50189E-01	0.41269E+00	0.20712E-01	0.74577E-01
0.24437E+04	0.48806E-01	0.41273E+00	0.20144E-01	0.72531E-01
0.24438E+04	0.47459E-01	0.41278E+00	0.19590E-01	0.70537E-01
0.24439E+04	0.46145E-01	0.41282E+00	0.19050E-01	0.68592E-01
0.24440E+04	0.44864E-01	0.41287E+00	0.18523E-01	0.66695E-01
0.24441E+04	0.43614E-01	0.41292E+00	0.18009E-01	0.64843E-01
0.24442E+04	0.42392E-01	0.41296E+00	0.17506E-01	0.63035E-01
0.24443E+04	0.41199E-01	0.41301E+00	0.17015E-01	0.61267E-01
0.24444E+04	0.40031E-01	0.41306E+00	0.16535E-01	0.59537E-01
0.24445E+04	0.38887E-01	0.41310E+00	0.16065E-01	0.57843E-01
0.24446E+04	0.37767E-01	0.41315E+00	0.15603E-01	0.56183E-01
0.24447E+04	0.36668E-01	0.41320E+00	0.15151E-01	0.54555E-01

0.24448E+04	0.35590E-01	0.41325E+00	0.14707E-01	0.52956E-01
0.24449E+04	0.34530E-01	0.41330E+00	0.14271E-01	0.51386E-01
0.24450E+04	0.33489E-01	0.41334E+00	0.13843E-01	0.49842E-01
0.24451E+04	0.30419E-01	0.41335E+00	0.12574E-01	0.45273E-01
0.24452E+04	0.29395E-01	0.41336E+00	0.12151E-01	0.43751E-01
0.24453E+04	0.28389E-01	0.41338E+00	0.11735E-01	0.42254E-01
0.24454E+04	0.27400E-01	0.41339E+00	0.11327E-01	0.40783E-01
0.24455E+04	0.26429E-01	0.41340E+00	0.10925E-01	0.39339E-01
0.24456E+04	0.25476E-01	0.41341E+00	0.10532E-01	0.37922E-01
0.24457E+04	0.24544E-01	0.41342E+00	0.10147E-01	0.36536E-01
0.24458E+04	0.23633E-01	0.41344E+00	0.97708E-02	0.35181E-01
0.24459E+04	0.22746E-01	0.41345E+00	0.94044E-02	0.33862E-01
0.24460E+04	0.21885E-01	0.41347E+00	0.90485E-02	0.32581E-01
0.24461E+04	0.21051E-01	0.41344E+00	0.87032E-02	0.31337E-01
0.24462E+04	0.20247E-01	0.41341E+00	0.83704E-02	0.30139E-01
0.24463E+04	0.19476E-01	0.41338E+00	0.80509E-02	0.28988E-01
0.24464E+04	0.18739E-01	0.41335E+00	0.77458E-02	0.27890E-01
0.24465E+04	0.18039E-01	0.41332E+00	0.74559E-02	0.26846E-01
0.24466E+04	0.17378E-01	0.41329E+00	0.71820E-02	0.25860E-01
0.24467E+04	0.16756E-01	0.41326E+00	0.69247E-02	0.24933E-01
0.24468E+04	0.16176E-01	0.41323E+00	0.66844E-02	0.24068E-01
0.24469E+04	0.15637E-01	0.41320E+00	0.64611E-02	0.23264E-01
0.24470E+04	0.15127E-01	0.41317E+00	0.62499E-02	0.22504E-01
0.24471E+04	0.14618E-01	0.41314E+00	0.60392E-02	0.21745E-01
0.24472E+04	0.14112E-01	0.41311E+00	0.58297E-02	0.20991E-01
0.24473E+04	0.13608E-01	0.41309E+00	0.56213E-02	0.20240E-01
0.24474E+04	0.13110E-01	0.41306E+00	0.54152E-02	0.19498E-01
0.24475E+04	0.12612E-01	0.41303E+00	0.52092E-02	0.18757E-01
0.24476E+04	0.12119E-01	0.41300E+00	0.50053E-02	0.18022E-01
0.24477E+04	0.11634E-01	0.41297E+00	0.48045E-02	0.17299E-01
0.24478E+04	0.11157E-01	0.41294E+00	0.46070E-02	0.16588E-01
0.24479E+04	0.10688E-01	0.41291E+00	0.44131E-02	0.15890E-01
0.24480E+04	0.10230E-01	0.41288E+00	0.42239E-02	0.15209E-01
0.24481E+04	0.97731E-02	0.41286E+00	0.40349E-02	0.14528E-01
0.24482E+04	0.93241E-02	0.41283E+00	0.38493E-02	0.13860E-01
0.24483E+04	0.88912E-02	0.41281E+00	0.36704E-02	0.13216E-01
0.24484E+04	0.84651E-02	0.41279E+00	0.34943E-02	0.12582E-01
0.24485E+04	0.80475E-02	0.41276E+00	0.33217E-02	0.11960E-01
0.24486E+04	0.76433E-02	0.41274E+00	0.31547E-02	0.11359E-01
0.24487E+04	0.72425E-02	0.41272E+00	0.29891E-02	0.10763E-01
0.24488E+04	0.68631E-02	0.41270E+00	0.28324E-02	0.10198E-01
0.24489E+04	0.64896E-02	0.41267E+00	0.26781E-02	0.96428E-02
0.24490E+04	0.61178E-02	0.41265E+00	0.25245E-02	0.90898E-02

0.24491E+04	0.57729E-02	0.41263E+00	0.23821E-02	0.85770E-02
0.24492E+04	0.54300E-02	0.41261E+00	0.22405E-02	0.80672E-02
0.24493E+04	0.50937E-02	0.41259E+00	0.21016E-02	0.75671E-02
0.24494E+04	0.47782E-02	0.41257E+00	0.19713E-02	0.70981E-02
0.24495E+04	0.44699E-02	0.41255E+00	0.18441E-02	0.66399E-02
0.24496E+04	0.41717E-02	0.41254E+00	0.17210E-02	0.61967E-02
0.24497E+04	0.38857E-02	0.41252E+00	0.16029E-02	0.57716E-02
0.24498E+04	0.36101E-02	0.41251E+00	0.14892E-02	0.53620E-02
0.24499E+04	0.33520E-02	0.41249E+00	0.13827E-02	0.49786E-02
0.24500E+04	0.30950E-02	0.41248E+00	0.12766E-02	0.45966E-02
0.24501E+04	0.28496E-02	0.41250E+00	0.11755E-02	0.42324E-02
0.24502E+04	0.26204E-02	0.41253E+00	0.10810E-02	0.38923E-02
0.24503E+04	0.24029E-02	0.41256E+00	0.99135E-03	0.35695E-02
0.24504E+04	0.21864E-02	0.41259E+00	0.90210E-03	0.32482E-02
0.24505E+04	0.19836E-02	0.41262E+00	0.81847E-03	0.29470E-02
0.24506E+04	0.17913E-02	0.41266E+00	0.73921E-03	0.26617E-02
0.24507E+04	0.16079E-02	0.41269E+00	0.66359E-03	0.23894E-02
0.24508E+04	0.14259E-02	0.41273E+00	0.58852E-03	0.21191E-02
0.24509E+04	0.12458E-02	0.41277E+00	0.51424E-03	0.18516E-02
0.24510E+04	0.10672E-02	0.41280E+00	0.44053E-03	0.15862E-02
0.24511E+04	0.89076E-03	0.41284E+00	0.36774E-03	0.13241E-02
0.24512E+04	0.71653E-03	0.41288E+00	0.29584E-03	0.10652E-02
0.24513E+04	0.54467E-03	0.41292E+00	0.22490E-03	0.80980E-03
0.24514E+04	0.37501E-03	0.41296E+00	0.15487E-03	0.55762E-03
0.24515E+04	0.20798E-03	0.41300E+00	0.85897E-04	0.30928E-03
0.24516E+04	0.49217E-04	0.41304E+00	0.20328E-04	0.73196E-04
0.24517E+04	0.00000E+00	0.41308E+00	0.00000E+00	0.00000E+00
Channel 18				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.24674E+04	0.00000E+00	0.41791E+00	0.00000E+00	0.00000E+00
0.24675E+04	0.54029E-04	0.41794E+00	0.22581E-04	0.70161E-04
0.24676E+04	0.12084E-03	0.41797E+00	0.50506E-04	0.15693E-03
0.24677E+04	0.18774E-03	0.41800E+00	0.78475E-04	0.24383E-03
0.24678E+04	0.25523E-03	0.41804E+00	0.10670E-03	0.33152E-03
0.24679E+04	0.32329E-03	0.41807E+00	0.13516E-03	0.41995E-03
0.24680E+04	0.39158E-03	0.41809E+00	0.16372E-03	0.50868E-03
0.24681E+04	0.45988E-03	0.41811E+00	0.19228E-03	0.59744E-03
0.24682E+04	0.53083E-03	0.41812E+00	0.22195E-03	0.68963E-03
0.24683E+04	0.60219E-03	0.41813E+00	0.25180E-03	0.78236E-03
0.24684E+04	0.67453E-03	0.41815E+00	0.28205E-03	0.87636E-03

0.24685E+04	0.74783E-03	0.41816E+00	0.31271E-03	0.97163E-03
0.24686E+04	0.82146E-03	0.41817E+00	0.34351E-03	0.10673E-02
0.24687E+04	0.89531E-03	0.41818E+00	0.37440E-03	0.11633E-02
0.24688E+04	0.96952E-03	0.41819E+00	0.40544E-03	0.12597E-02
0.24689E+04	0.10437E-02	0.41820E+00	0.43649E-03	0.13562E-02
0.24690E+04	0.11181E-02	0.41821E+00	0.46760E-03	0.14529E-02
0.24691E+04	0.11940E-02	0.41822E+00	0.49935E-03	0.15515E-02
0.24692E+04	0.12701E-02	0.41822E+00	0.53120E-03	0.16505E-02
0.24693E+04	0.13472E-02	0.41823E+00	0.56345E-03	0.17507E-02
0.24694E+04	0.14247E-02	0.41823E+00	0.59587E-03	0.18514E-02
0.24695E+04	0.15038E-02	0.41824E+00	0.62895E-03	0.19542E-02
0.24696E+04	0.15837E-02	0.41824E+00	0.66237E-03	0.20581E-02
0.24697E+04	0.16642E-02	0.41824E+00	0.69603E-03	0.21626E-02
0.24698E+04	0.17447E-02	0.41824E+00	0.72970E-03	0.22672E-02
0.24699E+04	0.18255E-02	0.41824E+00	0.76351E-03	0.23723E-02
0.24700E+04	0.19067E-02	0.41824E+00	0.79748E-03	0.24778E-02
0.24701E+04	0.19884E-02	0.41824E+00	0.83161E-03	0.25839E-02
0.24702E+04	0.20702E-02	0.41823E+00	0.86580E-03	0.26901E-02
0.24703E+04	0.21522E-02	0.41822E+00	0.90010E-03	0.27967E-02
0.24704E+04	0.22343E-02	0.41821E+00	0.93443E-03	0.29034E-02
0.24705E+04	0.23169E-02	0.41821E+00	0.96894E-03	0.30106E-02
0.24706E+04	0.24000E-02	0.41820E+00	0.10037E-02	0.31186E-02
0.24707E+04	0.24837E-02	0.41820E+00	0.10387E-02	0.32273E-02
0.24708E+04	0.25674E-02	0.41819E+00	0.10737E-02	0.33360E-02
0.24709E+04	0.26520E-02	0.41819E+00	0.11090E-02	0.34458E-02
0.24710E+04	0.27377E-02	0.41818E+00	0.11448E-02	0.35571E-02
0.24711E+04	0.28235E-02	0.41818E+00	0.11807E-02	0.36687E-02
0.24712E+04	0.29094E-02	0.41818E+00	0.12167E-02	0.37803E-02
0.24713E+04	0.29955E-02	0.41819E+00	0.12527E-02	0.38922E-02
0.24714E+04	0.30820E-02	0.41819E+00	0.12889E-02	0.40046E-02
0.24715E+04	0.31686E-02	0.41819E+00	0.13250E-02	0.41171E-02
0.24716E+04	0.32561E-02	0.41819E+00	0.13617E-02	0.42309E-02
0.24717E+04	0.33439E-02	0.41820E+00	0.13984E-02	0.43450E-02
0.24718E+04	0.34319E-02	0.41821E+00	0.14353E-02	0.44595E-02
0.24719E+04	0.35203E-02	0.41822E+00	0.14722E-02	0.45744E-02
0.24720E+04	0.36089E-02	0.41822E+00	0.15093E-02	0.46897E-02
0.24721E+04	0.36976E-02	0.41826E+00	0.15466E-02	0.48054E-02
0.24722E+04	0.37869E-02	0.41830E+00	0.15841E-02	0.49219E-02
0.24723E+04	0.38771E-02	0.41834E+00	0.16220E-02	0.50396E-02
0.24724E+04	0.39674E-02	0.41838E+00	0.16599E-02	0.51574E-02
0.24725E+04	0.40579E-02	0.41843E+00	0.16979E-02	0.52757E-02
0.24726E+04	0.41497E-02	0.41847E+00	0.17365E-02	0.53955E-02
0.24727E+04	0.42424E-02	0.41851E+00	0.17755E-02	0.55166E-02

0.24728E+04	0.43364E-02	0.41856E+00	0.18150E-02	0.56395E-02
0.24729E+04	0.44314E-02	0.41860E+00	0.18550E-02	0.57636E-02
0.24730E+04	0.45281E-02	0.41865E+00	0.18957E-02	0.58900E-02
0.24731E+04	0.46249E-02	0.41869E+00	0.19364E-02	0.60167E-02
0.24732E+04	0.47235E-02	0.41874E+00	0.19779E-02	0.61455E-02
0.24733E+04	0.48242E-02	0.41879E+00	0.20203E-02	0.62772E-02
0.24734E+04	0.49248E-02	0.41883E+00	0.20627E-02	0.64090E-02
0.24735E+04	0.50256E-02	0.41888E+00	0.21051E-02	0.65408E-02
0.24736E+04	0.51265E-02	0.41893E+00	0.21476E-02	0.66729E-02
0.24737E+04	0.52275E-02	0.41897E+00	0.21902E-02	0.68051E-02
0.24738E+04	0.53288E-02	0.41902E+00	0.22328E-02	0.69376E-02
0.24739E+04	0.54315E-02	0.41906E+00	0.22761E-02	0.70721E-02
0.24740E+04	0.55345E-02	0.41911E+00	0.23195E-02	0.72070E-02
0.24741E+04	0.56382E-02	0.41913E+00	0.23632E-02	0.73426E-02
0.24742E+04	0.57420E-02	0.41915E+00	0.24068E-02	0.74781E-02
0.24743E+04	0.58463E-02	0.41918E+00	0.24506E-02	0.76144E-02
0.24744E+04	0.59508E-02	0.41920E+00	0.24946E-02	0.77509E-02
0.24745E+04	0.60567E-02	0.41922E+00	0.25391E-02	0.78892E-02
0.24746E+04	0.61638E-02	0.41923E+00	0.25841E-02	0.80290E-02
0.24747E+04	0.62712E-02	0.41925E+00	0.26292E-02	0.81691E-02
0.24748E+04	0.63788E-02	0.41927E+00	0.26744E-02	0.83096E-02
0.24749E+04	0.64880E-02	0.41928E+00	0.27203E-02	0.84523E-02
0.24750E+04	0.65975E-02	0.41930E+00	0.27663E-02	0.85953E-02
0.24751E+04	0.67071E-02	0.41934E+00	0.28125E-02	0.87388E-02
0.24752E+04	0.68170E-02	0.41937E+00	0.28589E-02	0.88827E-02
0.24753E+04	0.69272E-02	0.41941E+00	0.29054E-02	0.90273E-02
0.24754E+04	0.70380E-02	0.41945E+00	0.29521E-02	0.91724E-02
0.24755E+04	0.71492E-02	0.41949E+00	0.29990E-02	0.93181E-02
0.24756E+04	0.72624E-02	0.41952E+00	0.30467E-02	0.94665E-02
0.24757E+04	0.73756E-02	0.41956E+00	0.30945E-02	0.96148E-02
0.24758E+04	0.74915E-02	0.41959E+00	0.31434E-02	0.97668E-02
0.24759E+04	0.76090E-02	0.41963E+00	0.31929E-02	0.99207E-02
0.24760E+04	0.77276E-02	0.41966E+00	0.32430E-02	0.10076E-01
0.24761E+04	0.78474E-02	0.41968E+00	0.32934E-02	0.10233E-01
0.24762E+04	0.79683E-02	0.41971E+00	0.33443E-02	0.10391E-01
0.24763E+04	0.80904E-02	0.41973E+00	0.33958E-02	0.10551E-01
0.24764E+04	0.82129E-02	0.41975E+00	0.34474E-02	0.10711E-01
0.24765E+04	0.83367E-02	0.41978E+00	0.34996E-02	0.10873E-01
0.24766E+04	0.84625E-02	0.41980E+00	0.35526E-02	0.11038E-01
0.24767E+04	0.85898E-02	0.41983E+00	0.36062E-02	0.11205E-01
0.24768E+04	0.87182E-02	0.41985E+00	0.36603E-02	0.11373E-01
0.24769E+04	0.88469E-02	0.41987E+00	0.37146E-02	0.11541E-01
0.24770E+04	0.89759E-02	0.41990E+00	0.37689E-02	0.11710E-01

0.24771E+04	0.91051E-02	0.41992E+00	0.38234E-02	0.11880E-01
0.24772E+04	0.92352E-02	0.41994E+00	0.38783E-02	0.12050E-01
0.24773E+04	0.93673E-02	0.41997E+00	0.39340E-02	0.12223E-01
0.24774E+04	0.95004E-02	0.41999E+00	0.39901E-02	0.12398E-01
0.24775E+04	0.96369E-02	0.42001E+00	0.40476E-02	0.12576E-01
0.24776E+04	0.97745E-02	0.42004E+00	0.41057E-02	0.12757E-01
0.24777E+04	0.99133E-02	0.42006E+00	0.41642E-02	0.12939E-01
0.24778E+04	0.10053E-01	0.42009E+00	0.42234E-02	0.13122E-01
0.24779E+04	0.10194E-01	0.42011E+00	0.42828E-02	0.13307E-01
0.24780E+04	0.10336E-01	0.42014E+00	0.43428E-02	0.13493E-01
0.24781E+04	0.10480E-01	0.42017E+00	0.44033E-02	0.13681E-01
0.24782E+04	0.10628E-01	0.42021E+00	0.44661E-02	0.13877E-01
0.24783E+04	0.10777E-01	0.42024E+00	0.45291E-02	0.14072E-01
0.24784E+04	0.10927E-01	0.42028E+00	0.45923E-02	0.14269E-01
0.24785E+04	0.11077E-01	0.42031E+00	0.46557E-02	0.14466E-01
0.24786E+04	0.11227E-01	0.42035E+00	0.47195E-02	0.14664E-01
0.24787E+04	0.11379E-01	0.42038E+00	0.47837E-02	0.14863E-01
0.24788E+04	0.11532E-01	0.42042E+00	0.48481E-02	0.15064E-01
0.24789E+04	0.11689E-01	0.42045E+00	0.49148E-02	0.15271E-01
0.24790E+04	0.11852E-01	0.42049E+00	0.49837E-02	0.15485E-01
0.24791E+04	0.12015E-01	0.42052E+00	0.50526E-02	0.15699E-01
0.24792E+04	0.12178E-01	0.42055E+00	0.51215E-02	0.15913E-01
0.24793E+04	0.12342E-01	0.42059E+00	0.51908E-02	0.16128E-01
0.24794E+04	0.12506E-01	0.42062E+00	0.52601E-02	0.16344E-01
0.24795E+04	0.12672E-01	0.42065E+00	0.53305E-02	0.16562E-01
0.24796E+04	0.12840E-01	0.42068E+00	0.54016E-02	0.16783E-01
0.24797E+04	0.13009E-01	0.42071E+00	0.54730E-02	0.17005E-01
0.24798E+04	0.13179E-01	0.42074E+00	0.55448E-02	0.17228E-01
0.24799E+04	0.13351E-01	0.42077E+00	0.56178E-02	0.17455E-01
0.24800E+04	0.13524E-01	0.42081E+00	0.56910E-02	0.17683E-01
0.24801E+04	0.13698E-01	0.42086E+00	0.57651E-02	0.17913E-01
0.24802E+04	0.13874E-01	0.42091E+00	0.58397E-02	0.18144E-01
0.24803E+04	0.14049E-01	0.42097E+00	0.59142E-02	0.18376E-01
0.24804E+04	0.14226E-01	0.42102E+00	0.59892E-02	0.18609E-01
0.24805E+04	0.14403E-01	0.42107E+00	0.60647E-02	0.18844E-01
0.24806E+04	0.14586E-01	0.42112E+00	0.61427E-02	0.19086E-01
0.24807E+04	0.14771E-01	0.42117E+00	0.62213E-02	0.19330E-01
0.24808E+04	0.14963E-01	0.42122E+00	0.63027E-02	0.19583E-01
0.24809E+04	0.15155E-01	0.42126E+00	0.63843E-02	0.19837E-01
0.24810E+04	0.15352E-01	0.42131E+00	0.64678E-02	0.20096E-01
0.24811E+04	0.15548E-01	0.42136E+00	0.65514E-02	0.20356E-01
0.24812E+04	0.15751E-01	0.42140E+00	0.66377E-02	0.20624E-01
0.24813E+04	0.15956E-01	0.42145E+00	0.67246E-02	0.20894E-01

0.24814E+04	0.16161E-01	0.42149E+00	0.68118E-02	0.21165E-01
0.24815E+04	0.16367E-01	0.42154E+00	0.68993E-02	0.21437E-01
0.24816E+04	0.16575E-01	0.42158E+00	0.69878E-02	0.21712E-01
0.24817E+04	0.16787E-01	0.42162E+00	0.70778E-02	0.21992E-01
0.24818E+04	0.17000E-01	0.42166E+00	0.71683E-02	0.22273E-01
0.24819E+04	0.17224E-01	0.42171E+00	0.72634E-02	0.22568E-01
0.24820E+04	0.17452E-01	0.42175E+00	0.73605E-02	0.22870E-01
0.24821E+04	0.17687E-01	0.42180E+00	0.74604E-02	0.23180E-01
0.24822E+04	0.17922E-01	0.42185E+00	0.75605E-02	0.23491E-01
0.24823E+04	0.18159E-01	0.42190E+00	0.76615E-02	0.23805E-01
0.24824E+04	0.18399E-01	0.42196E+00	0.77634E-02	0.24122E-01
0.24825E+04	0.18644E-01	0.42201E+00	0.78681E-02	0.24447E-01
0.24826E+04	0.18902E-01	0.42206E+00	0.79781E-02	0.24789E-01
0.24827E+04	0.19179E-01	0.42212E+00	0.80957E-02	0.25154E-01
0.24828E+04	0.19459E-01	0.42218E+00	0.82150E-02	0.25525E-01
0.24829E+04	0.19747E-01	0.42223E+00	0.83377E-02	0.25906E-01
0.24830E+04	0.20037E-01	0.42229E+00	0.84613E-02	0.26290E-01
0.24831E+04	0.20328E-01	0.42235E+00	0.85855E-02	0.26676E-01
0.24832E+04	0.20624E-01	0.42241E+00	0.87119E-02	0.27069E-01
0.24833E+04	0.20922E-01	0.42247E+00	0.88388E-02	0.27463E-01
0.24834E+04	0.21225E-01	0.42253E+00	0.89684E-02	0.27866E-01
0.24835E+04	0.21529E-01	0.42260E+00	0.90981E-02	0.28269E-01
0.24836E+04	0.21838E-01	0.42266E+00	0.92300E-02	0.28678E-01
0.24837E+04	0.22148E-01	0.42273E+00	0.93628E-02	0.29091E-01
0.24838E+04	0.22459E-01	0.42280E+00	0.94958E-02	0.29504E-01
0.24839E+04	0.22772E-01	0.42287E+00	0.96296E-02	0.29920E-01
0.24840E+04	0.23087E-01	0.42293E+00	0.97640E-02	0.30338E-01
0.24841E+04	0.23402E-01	0.42298E+00	0.98987E-02	0.30756E-01
0.24842E+04	0.23729E-01	0.42304E+00	0.10038E-01	0.31189E-01
0.24843E+04	0.24061E-01	0.42309E+00	0.10180E-01	0.31630E-01
0.24844E+04	0.24396E-01	0.42314E+00	0.10323E-01	0.32074E-01
0.24845E+04	0.24731E-01	0.42320E+00	0.10466E-01	0.32519E-01
0.24846E+04	0.25069E-01	0.42325E+00	0.10610E-01	0.32968E-01
0.24847E+04	0.25411E-01	0.42331E+00	0.10757E-01	0.33422E-01
0.24848E+04	0.25755E-01	0.42336E+00	0.10904E-01	0.33879E-01
0.24849E+04	0.26100E-01	0.42342E+00	0.11051E-01	0.34338E-01
0.24850E+04	0.26448E-01	0.42348E+00	0.11200E-01	0.34800E-01
0.24851E+04	0.26800E-01	0.42353E+00	0.11351E-01	0.35268E-01
0.24852E+04	0.27153E-01	0.42358E+00	0.11501E-01	0.35736E-01
0.24853E+04	0.27506E-01	0.42363E+00	0.11652E-01	0.36205E-01
0.24854E+04	0.27875E-01	0.42369E+00	0.11810E-01	0.36696E-01
0.24855E+04	0.28247E-01	0.42374E+00	0.11969E-01	0.37190E-01
0.24856E+04	0.28631E-01	0.42379E+00	0.12133E-01	0.37699E-01

0.24857E+04	0.29019E-01	0.42384E+00	0.12299E-01	0.38215E-01
0.24858E+04	0.29410E-01	0.42389E+00	0.12467E-01	0.38735E-01
0.24859E+04	0.29806E-01	0.42394E+00	0.12636E-01	0.39262E-01
0.24860E+04	0.30221E-01	0.42399E+00	0.12813E-01	0.39813E-01
0.24861E+04	0.30662E-01	0.42404E+00	0.13002E-01	0.40398E-01
0.24862E+04	0.31126E-01	0.42409E+00	0.13200E-01	0.41014E-01
0.24863E+04	0.31601E-01	0.42413E+00	0.13403E-01	0.41645E-01
0.24864E+04	0.32084E-01	0.42418E+00	0.13610E-01	0.42286E-01
0.24865E+04	0.32573E-01	0.42423E+00	0.13818E-01	0.42934E-01
0.24866E+04	0.33085E-01	0.42427E+00	0.14037E-01	0.43614E-01
0.24867E+04	0.33631E-01	0.42432E+00	0.14270E-01	0.44340E-01
0.24868E+04	0.34211E-01	0.42436E+00	0.14518E-01	0.45109E-01
0.24869E+04	0.34823E-01	0.42441E+00	0.14779E-01	0.45920E-01
0.24870E+04	0.35457E-01	0.42445E+00	0.15050E-01	0.46762E-01
0.24871E+04	0.36109E-01	0.42449E+00	0.15328E-01	0.47626E-01
0.24872E+04	0.36772E-01	0.42453E+00	0.15611E-01	0.48505E-01
0.24873E+04	0.37442E-01	0.42457E+00	0.15897E-01	0.49393E-01
0.24874E+04	0.38119E-01	0.42461E+00	0.16186E-01	0.50291E-01
0.24875E+04	0.38796E-01	0.42466E+00	0.16475E-01	0.51189E-01
0.24876E+04	0.39478E-01	0.42469E+00	0.16766E-01	0.52094E-01
0.24877E+04	0.40167E-01	0.42473E+00	0.17060E-01	0.53008E-01
0.24878E+04	0.40873E-01	0.42477E+00	0.17362E-01	0.53945E-01
0.24879E+04	0.41591E-01	0.42481E+00	0.17668E-01	0.54898E-01
0.24880E+04	0.42301E-01	0.42485E+00	0.17972E-01	0.55840E-01
0.24881E+04	0.43003E-01	0.42492E+00	0.18273E-01	0.56776E-01
0.24882E+04	0.43704E-01	0.42499E+00	0.18573E-01	0.57710E-01
0.24883E+04	0.44406E-01	0.42505E+00	0.18875E-01	0.58646E-01
0.24884E+04	0.45101E-01	0.42512E+00	0.19173E-01	0.59573E-01
0.24885E+04	0.45791E-01	0.42519E+00	0.19470E-01	0.60495E-01
0.24886E+04	0.46504E-01	0.42526E+00	0.19776E-01	0.61446E-01
0.24887E+04	0.47243E-01	0.42532E+00	0.20094E-01	0.62433E-01
0.24888E+04	0.48009E-01	0.42539E+00	0.20423E-01	0.63455E-01
0.24889E+04	0.48791E-01	0.42546E+00	0.20759E-01	0.64500E-01
0.24890E+04	0.49575E-01	0.42553E+00	0.21096E-01	0.65546E-01
0.24891E+04	0.50351E-01	0.42560E+00	0.21430E-01	0.66584E-01
0.24892E+04	0.51107E-01	0.42567E+00	0.21755E-01	0.67595E-01
0.24893E+04	0.51856E-01	0.42574E+00	0.22077E-01	0.68596E-01
0.24894E+04	0.52624E-01	0.42582E+00	0.22408E-01	0.69624E-01
0.24895E+04	0.53412E-01	0.42589E+00	0.22747E-01	0.70679E-01
0.24896E+04	0.54227E-01	0.42596E+00	0.23098E-01	0.71769E-01
0.24897E+04	0.55078E-01	0.42603E+00	0.23465E-01	0.72909E-01
0.24898E+04	0.55972E-01	0.42611E+00	0.23850E-01	0.74105E-01
0.24899E+04	0.56910E-01	0.42618E+00	0.24254E-01	0.75360E-01

0.24900E+04	0.57886E-01	0.42624E+00	0.24674E-01	0.76663E-01
0.24901E+04	0.58905E-01	0.42627E+00	0.25110E-01	0.78019E-01
0.24902E+04	0.59970E-01	0.42631E+00	0.25565E-01	0.79434E-01
0.24903E+04	0.61061E-01	0.42634E+00	0.26032E-01	0.80885E-01
0.24904E+04	0.62168E-01	0.42637E+00	0.26507E-01	0.82358E-01
0.24905E+04	0.63282E-01	0.42640E+00	0.26983E-01	0.83839E-01
0.24906E+04	0.64405E-01	0.42643E+00	0.27464E-01	0.85333E-01
0.24907E+04	0.65557E-01	0.42646E+00	0.27957E-01	0.86866E-01
0.24908E+04	0.66731E-01	0.42649E+00	0.28460E-01	0.88427E-01
0.24909E+04	0.67911E-01	0.42652E+00	0.28965E-01	0.89998E-01
0.24910E+04	0.69105E-01	0.42655E+00	0.29477E-01	0.91587E-01
0.24911E+04	0.70311E-01	0.42658E+00	0.29993E-01	0.93192E-01
0.24912E+04	0.71525E-01	0.42661E+00	0.30513E-01	0.94808E-01
0.24913E+04	0.72753E-01	0.42664E+00	0.31039E-01	0.96442E-01
0.24914E+04	0.74009E-01	0.42667E+00	0.31577E-01	0.98113E-01
0.24915E+04	0.75303E-01	0.42669E+00	0.32132E-01	0.99836E-01
0.24916E+04	0.76636E-01	0.42672E+00	0.32702E-01	0.10161E+00
0.24917E+04	0.78007E-01	0.42675E+00	0.33289E-01	0.10343E+00
0.24918E+04	0.79423E-01	0.42678E+00	0.33896E-01	0.10532E+00
0.24919E+04	0.80867E-01	0.42680E+00	0.34514E-01	0.10724E+00
0.24920E+04	0.82320E-01	0.42683E+00	0.35137E-01	0.10917E+00
0.24921E+04	0.83789E-01	0.42686E+00	0.35766E-01	0.11113E+00
0.24922E+04	0.85294E-01	0.42689E+00	0.36411E-01	0.11313E+00
0.24923E+04	0.86846E-01	0.42692E+00	0.37076E-01	0.11520E+00
0.24924E+04	0.88437E-01	0.42695E+00	0.37758E-01	0.11732E+00
0.24925E+04	0.90061E-01	0.42698E+00	0.38454E-01	0.11948E+00
0.24926E+04	0.91710E-01	0.42701E+00	0.39161E-01	0.12168E+00
0.24927E+04	0.93374E-01	0.42704E+00	0.39874E-01	0.12389E+00
0.24928E+04	0.95053E-01	0.42707E+00	0.40594E-01	0.12613E+00
0.24929E+04	0.96748E-01	0.42710E+00	0.41321E-01	0.12839E+00
0.24930E+04	0.98461E-01	0.42713E+00	0.42055E-01	0.13067E+00
0.24931E+04	0.10020E+00	0.42716E+00	0.42802E-01	0.13299E+00
0.24932E+04	0.10197E+00	0.42719E+00	0.43559E-01	0.13534E+00
0.24933E+04	0.10377E+00	0.42722E+00	0.44332E-01	0.13774E+00
0.24934E+04	0.10563E+00	0.42725E+00	0.45128E-01	0.14022E+00
0.24935E+04	0.10754E+00	0.42728E+00	0.45951E-01	0.14277E+00
0.24936E+04	0.10953E+00	0.42731E+00	0.46802E-01	0.14542E+00
0.24937E+04	0.11156E+00	0.42735E+00	0.47674E-01	0.14813E+00
0.24938E+04	0.11363E+00	0.42738E+00	0.48565E-01	0.15089E+00
0.24939E+04	0.11575E+00	0.42741E+00	0.49472E-01	0.15372E+00
0.24940E+04	0.11790E+00	0.42744E+00	0.50395E-01	0.15658E+00
0.24941E+04	0.12009E+00	0.42752E+00	0.51341E-01	0.15952E+00
0.24942E+04	0.12231E+00	0.42760E+00	0.52300E-01	0.16250E+00

0.24943E+04	0.12455E+00	0.42769E+00	0.53270E-01	0.16551E+00
0.24944E+04	0.12680E+00	0.42777E+00	0.54240E-01	0.16853E+00
0.24945E+04	0.12904E+00	0.42786E+00	0.55210E-01	0.17154E+00
0.24946E+04	0.13130E+00	0.42794E+00	0.56188E-01	0.17458E+00
0.24947E+04	0.13360E+00	0.42803E+00	0.57184E-01	0.17768E+00
0.24948E+04	0.13596E+00	0.42812E+00	0.58206E-01	0.18085E+00
0.24949E+04	0.13837E+00	0.42820E+00	0.59252E-01	0.18410E+00
0.24950E+04	0.14082E+00	0.42829E+00	0.60312E-01	0.18740E+00
0.24951E+04	0.14330E+00	0.42834E+00	0.61379E-01	0.19071E+00
0.24952E+04	0.14578E+00	0.42840E+00	0.62452E-01	0.19405E+00
0.24953E+04	0.14828E+00	0.42845E+00	0.63529E-01	0.19739E+00
0.24954E+04	0.15078E+00	0.42851E+00	0.64611E-01	0.20075E+00
0.24955E+04	0.15330E+00	0.42857E+00	0.65699E-01	0.20413E+00
0.24956E+04	0.15583E+00	0.42862E+00	0.66791E-01	0.20752E+00
0.24957E+04	0.15836E+00	0.42868E+00	0.67887E-01	0.21093E+00
0.24958E+04	0.16092E+00	0.42873E+00	0.68990E-01	0.21436E+00
0.24959E+04	0.16349E+00	0.42879E+00	0.70102E-01	0.21781E+00
0.24960E+04	0.16607E+00	0.42884E+00	0.71218E-01	0.22128E+00
0.24961E+04	0.16865E+00	0.42886E+00	0.72326E-01	0.22472E+00
0.24962E+04	0.17122E+00	0.42888E+00	0.73433E-01	0.22816E+00
0.24963E+04	0.17381E+00	0.42890E+00	0.74547E-01	0.23162E+00
0.24964E+04	0.17645E+00	0.42892E+00	0.75682E-01	0.23515E+00
0.24965E+04	0.17914E+00	0.42894E+00	0.76841E-01	0.23875E+00
0.24966E+04	0.18190E+00	0.42895E+00	0.78028E-01	0.24244E+00
0.24967E+04	0.18474E+00	0.42897E+00	0.79246E-01	0.24622E+00
0.24968E+04	0.18761E+00	0.42899E+00	0.80483E-01	0.25007E+00
0.24969E+04	0.19051E+00	0.42900E+00	0.81731E-01	0.25394E+00
0.24970E+04	0.19342E+00	0.42902E+00	0.82980E-01	0.25783E+00
0.24971E+04	0.19632E+00	0.42904E+00	0.84230E-01	0.26171E+00
0.24972E+04	0.19925E+00	0.42905E+00	0.85488E-01	0.26562E+00
0.24973E+04	0.20221E+00	0.42907E+00	0.86762E-01	0.26958E+00
0.24974E+04	0.20522E+00	0.42908E+00	0.88056E-01	0.27360E+00
0.24975E+04	0.20828E+00	0.42910E+00	0.89371E-01	0.27768E+00
0.24976E+04	0.21139E+00	0.42911E+00	0.90711E-01	0.28185E+00
0.24977E+04	0.21455E+00	0.42913E+00	0.92070E-01	0.28607E+00
0.24978E+04	0.21774E+00	0.42915E+00	0.93441E-01	0.29033E+00
0.24979E+04	0.22095E+00	0.42917E+00	0.94823E-01	0.29462E+00
0.24980E+04	0.22416E+00	0.42918E+00	0.96206E-01	0.29892E+00
0.24981E+04	0.22738E+00	0.42914E+00	0.97576E-01	0.30318E+00
0.24982E+04	0.23060E+00	0.42909E+00	0.98950E-01	0.30745E+00
0.24983E+04	0.23384E+00	0.42905E+00	0.10033E+00	0.31174E+00
0.24984E+04	0.23711E+00	0.42901E+00	0.10172E+00	0.31606E+00
0.24985E+04	0.24042E+00	0.42896E+00	0.10313E+00	0.32044E+00

0.24986E+04	0.24377E+00	0.42892E+00	0.10456E+00	0.32487E+00
0.24987E+04	0.24716E+00	0.42888E+00	0.10600E+00	0.32937E+00
0.24988E+04	0.25059E+00	0.42884E+00	0.10747E+00	0.33390E+00
0.24989E+04	0.25403E+00	0.42881E+00	0.10893E+00	0.33846E+00
0.24990E+04	0.25746E+00	0.42877E+00	0.11039E+00	0.34300E+00
0.24991E+04	0.26087E+00	0.42874E+00	0.11185E+00	0.34752E+00
0.24992E+04	0.26427E+00	0.42870E+00	0.11329E+00	0.35201E+00
0.24993E+04	0.26764E+00	0.42867E+00	0.11473E+00	0.35648E+00
0.24994E+04	0.27102E+00	0.42864E+00	0.11617E+00	0.36096E+00
0.24995E+04	0.27444E+00	0.42861E+00	0.11762E+00	0.36547E+00
0.24996E+04	0.27788E+00	0.42858E+00	0.11910E+00	0.37004E+00
0.24997E+04	0.28135E+00	0.42855E+00	0.12057E+00	0.37464E+00
0.24998E+04	0.28482E+00	0.42852E+00	0.12205E+00	0.37923E+00
0.24999E+04	0.28827E+00	0.42850E+00	0.12352E+00	0.38380E+00
0.25000E+04	0.29171E+00	0.42847E+00	0.12499E+00	0.38836E+00
0.25001E+04	0.29517E+00	0.42849E+00	0.12648E+00	0.39298E+00
0.25002E+04	0.29864E+00	0.42851E+00	0.12797E+00	0.39762E+00
0.25003E+04	0.30214E+00	0.42853E+00	0.12948E+00	0.40230E+00
0.25004E+04	0.30568E+00	0.42855E+00	0.13100E+00	0.40703E+00
0.25005E+04	0.30925E+00	0.42857E+00	0.13254E+00	0.41180E+00
0.25006E+04	0.31285E+00	0.42859E+00	0.13408E+00	0.41661E+00
0.25007E+04	0.31647E+00	0.42861E+00	0.13564E+00	0.42145E+00
0.25008E+04	0.32009E+00	0.42863E+00	0.13720E+00	0.42630E+00
0.25009E+04	0.32371E+00	0.42865E+00	0.13876E+00	0.43113E+00
0.25010E+04	0.32732E+00	0.42866E+00	0.14031E+00	0.43595E+00
0.25011E+04	0.33090E+00	0.42868E+00	0.14185E+00	0.44074E+00
0.25012E+04	0.33447E+00	0.42869E+00	0.14338E+00	0.44550E+00
0.25013E+04	0.33800E+00	0.42870E+00	0.14490E+00	0.45023E+00
0.25014E+04	0.34152E+00	0.42871E+00	0.14641E+00	0.45492E+00
0.25015E+04	0.34503E+00	0.42872E+00	0.14792E+00	0.45960E+00
0.25016E+04	0.34853E+00	0.42873E+00	0.14942E+00	0.46428E+00
0.25017E+04	0.35204E+00	0.42872E+00	0.15093E+00	0.46895E+00
0.25018E+04	0.35555E+00	0.42872E+00	0.15243E+00	0.47363E+00
0.25019E+04	0.35908E+00	0.42872E+00	0.15395E+00	0.47832E+00
0.25020E+04	0.36260E+00	0.42872E+00	0.15546E+00	0.48301E+00
0.25021E+04	0.36610E+00	0.42874E+00	0.15696E+00	0.48770E+00
0.25022E+04	0.36959E+00	0.42876E+00	0.15847E+00	0.49237E+00
0.25023E+04	0.37310E+00	0.42879E+00	0.15998E+00	0.49707E+00
0.25024E+04	0.37662E+00	0.42881E+00	0.16150E+00	0.50180E+00
0.25025E+04	0.38017E+00	0.42883E+00	0.16303E+00	0.50655E+00
0.25026E+04	0.38371E+00	0.42885E+00	0.16455E+00	0.51127E+00
0.25027E+04	0.38721E+00	0.42886E+00	0.16606E+00	0.51596E+00
0.25028E+04	0.39069E+00	0.42887E+00	0.16756E+00	0.52061E+00

0.25029E+04	0.39414E+00	0.42889E+00	0.16904E+00	0.52522E+00
0.25030E+04	0.39755E+00	0.42890E+00	0.17051E+00	0.52979E+00
0.25031E+04	0.40096E+00	0.42891E+00	0.17198E+00	0.53435E+00
0.25032E+04	0.40435E+00	0.42892E+00	0.17343E+00	0.53888E+00
0.25033E+04	0.40771E+00	0.42893E+00	0.17488E+00	0.54336E+00
0.25034E+04	0.41104E+00	0.42894E+00	0.17631E+00	0.54781E+00
0.25035E+04	0.41435E+00	0.42894E+00	0.17773E+00	0.55223E+00
0.25036E+04	0.41763E+00	0.42895E+00	0.17915E+00	0.55662E+00
0.25037E+04	0.42091E+00	0.42896E+00	0.18056E+00	0.56100E+00
0.25038E+04	0.42417E+00	0.42897E+00	0.18196E+00	0.56536E+00
0.25039E+04	0.42740E+00	0.42898E+00	0.18335E+00	0.56968E+00
0.25040E+04	0.43062E+00	0.42899E+00	0.18473E+00	0.57397E+00
0.25041E+04	0.43381E+00	0.42901E+00	0.18611E+00	0.57826E+00
0.25042E+04	0.43699E+00	0.42902E+00	0.18748E+00	0.58251E+00
0.25043E+04	0.44015E+00	0.42904E+00	0.18884E+00	0.58675E+00
0.25044E+04	0.44331E+00	0.42906E+00	0.19021E+00	0.59099E+00
0.25045E+04	0.44648E+00	0.42907E+00	0.19157E+00	0.59523E+00
0.25046E+04	0.44965E+00	0.42910E+00	0.19294E+00	0.59950E+00
0.25047E+04	0.45283E+00	0.42913E+00	0.19432E+00	0.60377E+00
0.25048E+04	0.45601E+00	0.42915E+00	0.19570E+00	0.60806E+00
0.25049E+04	0.45920E+00	0.42918E+00	0.19708E+00	0.61234E+00
0.25050E+04	0.46237E+00	0.42920E+00	0.19845E+00	0.61661E+00
0.25051E+04	0.46553E+00	0.42926E+00	0.19983E+00	0.62091E+00
0.25052E+04	0.46866E+00	0.42932E+00	0.20121E+00	0.62516E+00
0.25053E+04	0.47176E+00	0.42938E+00	0.20257E+00	0.62939E+00
0.25054E+04	0.47482E+00	0.42944E+00	0.20391E+00	0.63355E+00
0.25055E+04	0.47784E+00	0.42950E+00	0.20523E+00	0.63768E+00
0.25056E+04	0.48086E+00	0.42957E+00	0.20656E+00	0.64182E+00
0.25057E+04	0.48388E+00	0.42964E+00	0.20790E+00	0.64596E+00
0.25058E+04	0.48690E+00	0.42971E+00	0.20923E+00	0.65009E+00
0.25059E+04	0.48989E+00	0.42978E+00	0.21055E+00	0.65419E+00
0.25060E+04	0.49285E+00	0.42985E+00	0.21185E+00	0.65824E+00
0.25061E+04	0.49577E+00	0.42989E+00	0.21313E+00	0.66221E+00
0.25062E+04	0.49867E+00	0.42993E+00	0.21440E+00	0.66615E+00
0.25063E+04	0.50156E+00	0.42997E+00	0.21566E+00	0.67007E+00
0.25064E+04	0.50445E+00	0.43001E+00	0.21692E+00	0.67398E+00
0.25065E+04	0.50733E+00	0.43005E+00	0.21818E+00	0.67790E+00
0.25066E+04	0.51019E+00	0.43009E+00	0.21943E+00	0.68178E+00
0.25067E+04	0.51300E+00	0.43014E+00	0.22066E+00	0.68561E+00
0.25068E+04	0.51578E+00	0.43018E+00	0.22188E+00	0.68939E+00
0.25069E+04	0.51853E+00	0.43022E+00	0.22308E+00	0.69313E+00
0.25070E+04	0.52125E+00	0.43026E+00	0.22427E+00	0.69683E+00
0.25071E+04	0.52396E+00	0.43030E+00	0.22546E+00	0.70052E+00

0.25072E+04	0.52667E+00	0.43034E+00	0.22664E+00	0.70421E+00
0.25073E+04	0.52937E+00	0.43038E+00	0.22783E+00	0.70789E+00
0.25074E+04	0.53209E+00	0.43042E+00	0.22902E+00	0.71159E+00
0.25075E+04	0.53483E+00	0.43045E+00	0.23022E+00	0.71532E+00
0.25076E+04	0.53758E+00	0.43049E+00	0.23142E+00	0.71905E+00
0.25077E+04	0.54031E+00	0.43052E+00	0.23261E+00	0.72276E+00
0.25078E+04	0.54298E+00	0.43056E+00	0.23379E+00	0.72639E+00
0.25079E+04	0.54562E+00	0.43059E+00	0.23494E+00	0.72998E+00
0.25080E+04	0.54822E+00	0.43063E+00	0.23608E+00	0.73352E+00
0.25081E+04	0.55080E+00	0.43068E+00	0.23722E+00	0.73706E+00
0.25082E+04	0.55337E+00	0.43075E+00	0.23836E+00	0.74062E+00
0.25083E+04	0.55594E+00	0.43082E+00	0.23951E+00	0.74418E+00
0.25084E+04	0.55850E+00	0.43089E+00	0.24065E+00	0.74772E+00
0.25085E+04	0.56104E+00	0.43096E+00	0.24178E+00	0.75125E+00
0.25086E+04	0.56359E+00	0.43102E+00	0.24292E+00	0.75477E+00
0.25087E+04	0.56615E+00	0.43108E+00	0.24406E+00	0.75831E+00
0.25088E+04	0.56871E+00	0.43115E+00	0.24520E+00	0.76185E+00
0.25089E+04	0.57126E+00	0.43121E+00	0.24634E+00	0.76539E+00
0.25090E+04	0.57381E+00	0.43127E+00	0.24747E+00	0.76891E+00
0.25091E+04	0.57634E+00	0.43134E+00	0.24860E+00	0.77242E+00
0.25092E+04	0.57886E+00	0.43140E+00	0.24972E+00	0.77590E+00
0.25093E+04	0.58134E+00	0.43146E+00	0.25082E+00	0.77934E+00
0.25094E+04	0.58379E+00	0.43152E+00	0.25192E+00	0.78273E+00
0.25095E+04	0.58621E+00	0.43158E+00	0.25300E+00	0.78609E+00
0.25096E+04	0.58861E+00	0.43164E+00	0.25407E+00	0.78941E+00
0.25097E+04	0.59098E+00	0.43170E+00	0.25513E+00	0.79270E+00
0.25098E+04	0.59333E+00	0.43176E+00	0.25618E+00	0.79597E+00
0.25099E+04	0.59569E+00	0.43182E+00	0.25723E+00	0.79924E+00
0.25100E+04	0.59803E+00	0.43188E+00	0.25828E+00	0.80249E+00
0.25101E+04	0.60034E+00	0.43196E+00	0.25932E+00	0.80574E+00
0.25102E+04	0.60265E+00	0.43203E+00	0.26036E+00	0.80897E+00
0.25103E+04	0.60495E+00	0.43211E+00	0.26141E+00	0.81221E+00
0.25104E+04	0.60725E+00	0.43219E+00	0.26244E+00	0.81544E+00
0.25105E+04	0.60949E+00	0.43226E+00	0.26346E+00	0.81860E+00
0.25106E+04	0.61169E+00	0.43234E+00	0.26446E+00	0.82169E+00
0.25107E+04	0.61384E+00	0.43242E+00	0.26543E+00	0.82473E+00
0.25108E+04	0.61596E+00	0.43249E+00	0.26640E+00	0.82772E+00
0.25109E+04	0.61808E+00	0.43257E+00	0.26736E+00	0.83072E+00
0.25110E+04	0.62021E+00	0.43265E+00	0.26833E+00	0.83374E+00
0.25111E+04	0.62237E+00	0.43273E+00	0.26931E+00	0.83678E+00
0.25112E+04	0.62452E+00	0.43280E+00	0.27029E+00	0.83983E+00
0.25113E+04	0.62666E+00	0.43288E+00	0.27127E+00	0.84286E+00
0.25114E+04	0.62882E+00	0.43296E+00	0.27226E+00	0.84593E+00

0.25115E+04	0.63101E+00	0.43304E+00	0.27325E+00	0.84903E+00
0.25116E+04	0.63322E+00	0.43312E+00	0.27426E+00	0.85215E+00
0.25117E+04	0.63542E+00	0.43320E+00	0.27526E+00	0.85526E+00
0.25118E+04	0.63759E+00	0.43328E+00	0.27625E+00	0.85834E+00
0.25119E+04	0.63972E+00	0.43335E+00	0.27722E+00	0.86136E+00
0.25120E+04	0.64182E+00	0.43343E+00	0.27818E+00	0.86434E+00
0.25121E+04	0.64388E+00	0.43350E+00	0.27912E+00	0.86725E+00
0.25122E+04	0.64592E+00	0.43356E+00	0.28004E+00	0.87012E+00
0.25123E+04	0.64794E+00	0.43362E+00	0.28096E+00	0.87297E+00
0.25124E+04	0.64996E+00	0.43368E+00	0.28188E+00	0.87582E+00
0.25125E+04	0.65199E+00	0.43375E+00	0.28280E+00	0.87868E+00
0.25126E+04	0.65404E+00	0.43381E+00	0.28373E+00	0.88158E+00
0.25127E+04	0.65611E+00	0.43387E+00	0.28467E+00	0.88448E+00
0.25128E+04	0.65816E+00	0.43393E+00	0.28560E+00	0.88738E+00
0.25129E+04	0.66018E+00	0.43399E+00	0.28651E+00	0.89022E+00
0.25130E+04	0.66215E+00	0.43406E+00	0.28741E+00	0.89302E+00
0.25131E+04	0.66414E+00	0.43412E+00	0.28832E+00	0.89583E+00
0.25132E+04	0.66616E+00	0.43418E+00	0.28924E+00	0.89868E+00
0.25133E+04	0.66821E+00	0.43424E+00	0.29017E+00	0.90158E+00
0.25134E+04	0.67024E+00	0.43431E+00	0.29109E+00	0.90444E+00
0.25135E+04	0.67221E+00	0.43437E+00	0.29199E+00	0.90723E+00
0.25136E+04	0.67413E+00	0.43443E+00	0.29286E+00	0.90995E+00
0.25137E+04	0.67601E+00	0.43449E+00	0.29372E+00	0.91263E+00
0.25138E+04	0.67789E+00	0.43456E+00	0.29458E+00	0.91529E+00
0.25139E+04	0.67977E+00	0.43462E+00	0.29544E+00	0.91796E+00
0.25140E+04	0.68164E+00	0.43468E+00	0.29630E+00	0.92063E+00
0.25141E+04	0.68349E+00	0.43478E+00	0.29717E+00	0.92333E+00
0.25142E+04	0.68531E+00	0.43489E+00	0.29803E+00	0.92601E+00
0.25143E+04	0.68711E+00	0.43500E+00	0.29889E+00	0.92868E+00
0.25144E+04	0.68891E+00	0.43510E+00	0.29975E+00	0.93135E+00
0.25145E+04	0.69071E+00	0.43521E+00	0.30060E+00	0.93401E+00
0.25146E+04	0.69247E+00	0.43532E+00	0.30145E+00	0.93663E+00
0.25147E+04	0.69421E+00	0.43543E+00	0.30228E+00	0.93922E+00
0.25148E+04	0.69591E+00	0.43554E+00	0.30310E+00	0.94176E+00
0.25149E+04	0.69758E+00	0.43565E+00	0.30390E+00	0.94425E+00
0.25150E+04	0.69923E+00	0.43576E+00	0.30470E+00	0.94672E+00
0.25151E+04	0.70086E+00	0.43586E+00	0.30548E+00	0.94914E+00
0.25152E+04	0.70245E+00	0.43596E+00	0.30624E+00	0.95150E+00
0.25153E+04	0.70400E+00	0.43606E+00	0.30698E+00	0.95382E+00
0.25154E+04	0.70552E+00	0.43615E+00	0.30772E+00	0.95610E+00
0.25155E+04	0.70703E+00	0.43625E+00	0.30844E+00	0.95835E+00
0.25156E+04	0.70850E+00	0.43634E+00	0.30915E+00	0.96056E+00
0.25157E+04	0.70996E+00	0.43644E+00	0.30985E+00	0.96274E+00

0.25158E+04	0.71139E+00	0.43653E+00	0.31054E+00	0.96489E+00
0.25159E+04	0.71279E+00	0.43663E+00	0.31122E+00	0.96700E+00
0.25160E+04	0.71417E+00	0.43671E+00	0.31189E+00	0.96906E+00
0.25161E+04	0.71554E+00	0.43675E+00	0.31251E+00	0.97100E+00
0.25162E+04	0.71686E+00	0.43679E+00	0.31312E+00	0.97289E+00
0.25163E+04	0.71812E+00	0.43683E+00	0.31369E+00	0.97468E+00
0.25164E+04	0.71930E+00	0.43686E+00	0.31424E+00	0.97636E+00
0.25165E+04	0.72043E+00	0.43690E+00	0.31476E+00	0.97798E+00
0.25166E+04	0.72153E+00	0.43693E+00	0.31526E+00	0.97955E+00
0.25167E+04	0.72260E+00	0.43696E+00	0.31575E+00	0.98107E+00
0.25168E+04	0.72363E+00	0.43699E+00	0.31622E+00	0.98254E+00
0.25169E+04	0.72462E+00	0.43702E+00	0.31668E+00	0.98395E+00
0.25170E+04	0.72558E+00	0.43706E+00	0.31712E+00	0.98531E+00
0.25171E+04	0.72650E+00	0.43708E+00	0.31753E+00	0.98661E+00
0.25172E+04	0.72738E+00	0.43710E+00	0.31794E+00	0.98786E+00
0.25173E+04	0.72824E+00	0.43712E+00	0.31833E+00	0.98907E+00
0.25174E+04	0.72903E+00	0.43714E+00	0.31869E+00	0.99019E+00
0.25175E+04	0.72975E+00	0.43716E+00	0.31902E+00	0.99121E+00
0.25176E+04	0.73039E+00	0.43717E+00	0.31931E+00	0.99212E+00
0.25177E+04	0.73100E+00	0.43719E+00	0.31959E+00	0.99298E+00
0.25178E+04	0.73160E+00	0.43720E+00	0.31986E+00	0.99382E+00
0.25179E+04	0.73218E+00	0.43722E+00	0.32012E+00	0.99464E+00
0.25180E+04	0.73273E+00	0.43723E+00	0.32037E+00	0.99542E+00
0.25181E+04	0.73324E+00	0.43722E+00	0.32058E+00	0.99608E+00
0.25182E+04	0.73370E+00	0.43721E+00	0.32078E+00	0.99669E+00
0.25183E+04	0.73413E+00	0.43720E+00	0.32096E+00	0.99726E+00
0.25184E+04	0.73456E+00	0.43719E+00	0.32114E+00	0.99781E+00
0.25185E+04	0.73495E+00	0.43718E+00	0.32130E+00	0.99832E+00
0.25186E+04	0.73529E+00	0.43717E+00	0.32145E+00	0.99877E+00
0.25187E+04	0.73557E+00	0.43716E+00	0.32156E+00	0.99912E+00
0.25188E+04	0.73579E+00	0.43715E+00	0.32165E+00	0.99940E+00
0.25189E+04	0.73597E+00	0.43714E+00	0.32172E+00	0.99962E+00
0.25190E+04	0.73611E+00	0.43713E+00	0.32177E+00	0.99978E+00
0.25191E+04	0.73620E+00	0.43713E+00	0.32181E+00	0.99990E+00
0.25192E+04	0.73626E+00	0.43712E+00	0.32184E+00	0.99998E+00
0.25193E+04	0.73628E+00	0.43712E+00	0.32184E+00	0.10000E+01
0.25194E+04	0.73626E+00	0.43712E+00	0.32183E+00	0.99997E+00
0.25195E+04	0.73623E+00	0.43711E+00	0.32182E+00	0.99991E+00
0.25196E+04	0.73619E+00	0.43712E+00	0.32180E+00	0.99988E+00
0.25197E+04	0.73613E+00	0.43713E+00	0.32178E+00	0.99981E+00
0.25198E+04	0.73603E+00	0.43713E+00	0.32174E+00	0.99969E+00
0.25199E+04	0.73588E+00	0.43714E+00	0.32168E+00	0.99950E+00
0.25200E+04	0.73569E+00	0.43715E+00	0.32161E+00	0.99927E+00

0.25201E+04	0.73546E+00	0.43721E+00	0.32155E+00	0.99909E+00
0.25202E+04	0.73518E+00	0.43727E+00	0.32147E+00	0.99885E+00
0.25203E+04	0.73486E+00	0.43733E+00	0.32138E+00	0.99855E+00
0.25204E+04	0.73453E+00	0.43739E+00	0.32128E+00	0.99824E+00
0.25205E+04	0.73418E+00	0.43745E+00	0.32117E+00	0.99791E+00
0.25206E+04	0.73382E+00	0.43753E+00	0.32107E+00	0.99758E+00
0.25207E+04	0.73343E+00	0.43760E+00	0.32095E+00	0.99722E+00
0.25208E+04	0.73301E+00	0.43767E+00	0.32082E+00	0.99681E+00
0.25209E+04	0.73252E+00	0.43774E+00	0.32066E+00	0.99631E+00
0.25210E+04	0.73195E+00	0.43781E+00	0.32046E+00	0.99569E+00
0.25211E+04	0.73130E+00	0.43789E+00	0.32023E+00	0.99498E+00
0.25212E+04	0.73059E+00	0.43797E+00	0.31998E+00	0.99420E+00
0.25213E+04	0.72983E+00	0.43805E+00	0.31970E+00	0.99335E+00
0.25214E+04	0.72900E+00	0.43814E+00	0.31940E+00	0.99240E+00
0.25215E+04	0.72811E+00	0.43822E+00	0.31907E+00	0.99138E+00
0.25216E+04	0.72720E+00	0.43830E+00	0.31873E+00	0.99033E+00
0.25217E+04	0.72627E+00	0.43839E+00	0.31838E+00	0.98925E+00
0.25218E+04	0.72531E+00	0.43847E+00	0.31803E+00	0.98814E+00
0.25219E+04	0.72434E+00	0.43856E+00	0.31766E+00	0.98701E+00
0.25220E+04	0.72333E+00	0.43864E+00	0.31728E+00	0.98583E+00
0.25221E+04	0.72230E+00	0.43869E+00	0.31687E+00	0.98454E+00
0.25222E+04	0.72124E+00	0.43875E+00	0.31644E+00	0.98321E+00
0.25223E+04	0.72017E+00	0.43880E+00	0.31601E+00	0.98186E+00
0.25224E+04	0.71909E+00	0.43885E+00	0.31557E+00	0.98051E+00
0.25225E+04	0.71798E+00	0.43890E+00	0.31513E+00	0.97913E+00
0.25226E+04	0.71681E+00	0.43895E+00	0.31465E+00	0.97764E+00
0.25227E+04	0.71557E+00	0.43900E+00	0.31413E+00	0.97604E+00
0.25228E+04	0.71427E+00	0.43905E+00	0.31360E+00	0.97437E+00
0.25229E+04	0.71293E+00	0.43909E+00	0.31305E+00	0.97266E+00
0.25230E+04	0.71158E+00	0.43914E+00	0.31248E+00	0.97092E+00
0.25231E+04	0.71020E+00	0.43918E+00	0.31191E+00	0.96913E+00
0.25232E+04	0.70880E+00	0.43922E+00	0.31132E+00	0.96730E+00
0.25233E+04	0.70735E+00	0.43926E+00	0.31071E+00	0.96542E+00
0.25234E+04	0.70586E+00	0.43931E+00	0.31009E+00	0.96348E+00
0.25235E+04	0.70433E+00	0.43935E+00	0.30944E+00	0.96147E+00
0.25236E+04	0.70276E+00	0.43938E+00	0.30878E+00	0.95941E+00
0.25237E+04	0.70117E+00	0.43942E+00	0.30811E+00	0.95732E+00
0.25238E+04	0.69955E+00	0.43945E+00	0.30741E+00	0.95517E+00
0.25239E+04	0.69789E+00	0.43948E+00	0.30671E+00	0.95298E+00
0.25240E+04	0.69622E+00	0.43952E+00	0.30600E+00	0.95079E+00
0.25241E+04	0.69451E+00	0.43959E+00	0.30530E+00	0.94860E+00
0.25242E+04	0.69275E+00	0.43965E+00	0.30457E+00	0.94632E+00
0.25243E+04	0.69090E+00	0.43972E+00	0.30380E+00	0.94393E+00

0.25244E+04	0.68898E+00	0.43978E+00	0.30300E+00	0.94145E+00
0.25245E+04	0.68703E+00	0.43985E+00	0.30219E+00	0.93893E+00
0.25246E+04	0.68510E+00	0.43991E+00	0.30138E+00	0.93643E+00
0.25247E+04	0.68320E+00	0.43997E+00	0.30059E+00	0.93395E+00
0.25248E+04	0.68129E+00	0.44003E+00	0.29979E+00	0.93148E+00
0.25249E+04	0.67935E+00	0.44010E+00	0.29898E+00	0.92896E+00
0.25250E+04	0.67735E+00	0.44016E+00	0.29814E+00	0.92636E+00
0.25251E+04	0.67530E+00	0.44023E+00	0.29729E+00	0.92370E+00
0.25252E+04	0.67323E+00	0.44030E+00	0.29642E+00	0.92100E+00
0.25253E+04	0.67113E+00	0.44037E+00	0.29554E+00	0.91828E+00
0.25254E+04	0.66900E+00	0.44043E+00	0.29465E+00	0.91551E+00
0.25255E+04	0.66685E+00	0.44051E+00	0.29375E+00	0.91271E+00
0.25256E+04	0.66465E+00	0.44058E+00	0.29283E+00	0.90986E+00
0.25257E+04	0.66240E+00	0.44066E+00	0.29189E+00	0.90694E+00
0.25258E+04	0.66011E+00	0.44073E+00	0.29093E+00	0.90396E+00
0.25259E+04	0.65778E+00	0.44081E+00	0.28995E+00	0.90092E+00
0.25260E+04	0.65539E+00	0.44089E+00	0.28895E+00	0.89780E+00
0.25261E+04	0.65293E+00	0.44092E+00	0.28789E+00	0.89450E+00
0.25262E+04	0.65043E+00	0.44093E+00	0.28680E+00	0.89110E+00
0.25263E+04	0.64791E+00	0.44095E+00	0.28570E+00	0.88769E+00
0.25264E+04	0.64539E+00	0.44097E+00	0.28460E+00	0.88427E+00
0.25265E+04	0.64285E+00	0.44099E+00	0.28349E+00	0.88082E+00
0.25266E+04	0.64028E+00	0.44101E+00	0.28237E+00	0.87735E+00
0.25267E+04	0.63769E+00	0.44103E+00	0.28124E+00	0.87383E+00
0.25268E+04	0.63506E+00	0.44105E+00	0.28009E+00	0.87028E+00
0.25269E+04	0.63240E+00	0.44107E+00	0.27893E+00	0.86667E+00
0.25270E+04	0.62971E+00	0.44109E+00	0.27775E+00	0.86301E+00
0.25271E+04	0.62697E+00	0.44111E+00	0.27656E+00	0.85930E+00
0.25272E+04	0.62416E+00	0.44113E+00	0.27533E+00	0.85548E+00
0.25273E+04	0.62129E+00	0.44114E+00	0.27408E+00	0.85158E+00
0.25274E+04	0.61839E+00	0.44116E+00	0.27281E+00	0.84765E+00
0.25275E+04	0.61548E+00	0.44118E+00	0.27154E+00	0.84370E+00
0.25276E+04	0.61254E+00	0.44120E+00	0.27025E+00	0.83970E+00
0.25277E+04	0.60956E+00	0.44122E+00	0.26895E+00	0.83565E+00
0.25278E+04	0.60653E+00	0.44124E+00	0.26762E+00	0.83154E+00
0.25279E+04	0.60348E+00	0.44126E+00	0.26629E+00	0.82739E+00
0.25280E+04	0.60042E+00	0.44127E+00	0.26495E+00	0.82323E+00
0.25281E+04	0.59734E+00	0.44129E+00	0.26360E+00	0.81903E+00
0.25282E+04	0.59423E+00	0.44131E+00	0.26224E+00	0.81481E+00
0.25283E+04	0.59110E+00	0.44133E+00	0.26087E+00	0.81054E+00
0.25284E+04	0.58792E+00	0.44135E+00	0.25948E+00	0.80622E+00
0.25285E+04	0.58472E+00	0.44137E+00	0.25807E+00	0.80186E+00
0.25286E+04	0.58151E+00	0.44138E+00	0.25667E+00	0.79749E+00

0.25287E+04	0.57831E+00	0.44140E+00	0.25526E+00	0.79313E+00
0.25288E+04	0.57508E+00	0.44141E+00	0.25385E+00	0.78873E+00
0.25289E+04	0.57181E+00	0.44143E+00	0.25242E+00	0.78428E+00
0.25290E+04	0.56851E+00	0.44145E+00	0.25097E+00	0.77978E+00
0.25291E+04	0.56518E+00	0.44146E+00	0.24950E+00	0.77523E+00
0.25292E+04	0.56182E+00	0.44147E+00	0.24803E+00	0.77064E+00
0.25293E+04	0.55843E+00	0.44149E+00	0.24654E+00	0.76602E+00
0.25294E+04	0.55502E+00	0.44150E+00	0.24504E+00	0.76136E+00
0.25295E+04	0.55156E+00	0.44151E+00	0.24352E+00	0.75665E+00
0.25296E+04	0.54808E+00	0.44153E+00	0.24199E+00	0.75189E+00
0.25297E+04	0.54459E+00	0.44154E+00	0.24046E+00	0.74712E+00
0.25298E+04	0.54110E+00	0.44155E+00	0.23892E+00	0.74235E+00
0.25299E+04	0.53759E+00	0.44157E+00	0.23738E+00	0.73757E+00
0.25300E+04	0.53406E+00	0.44159E+00	0.23584E+00	0.73277E+00
0.25301E+04	0.53051E+00	0.44168E+00	0.23431E+00	0.72803E+00
0.25302E+04	0.52695E+00	0.44176E+00	0.23279E+00	0.72329E+00
0.25303E+04	0.52342E+00	0.44184E+00	0.23127E+00	0.71857E+00
0.25304E+04	0.51990E+00	0.44193E+00	0.22976E+00	0.71387E+00
0.25305E+04	0.51638E+00	0.44201E+00	0.22824E+00	0.70917E+00
0.25306E+04	0.51284E+00	0.44209E+00	0.22673E+00	0.70446E+00
0.25307E+04	0.50929E+00	0.44218E+00	0.22520E+00	0.69972E+00
0.25308E+04	0.50571E+00	0.44227E+00	0.22366E+00	0.69493E+00
0.25309E+04	0.50210E+00	0.44235E+00	0.22211E+00	0.69011E+00
0.25310E+04	0.49849E+00	0.44244E+00	0.22055E+00	0.68527E+00
0.25311E+04	0.49487E+00	0.44252E+00	0.21899E+00	0.68043E+00
0.25312E+04	0.49122E+00	0.44261E+00	0.21742E+00	0.67555E+00
0.25313E+04	0.48755E+00	0.44270E+00	0.21584E+00	0.67063E+00
0.25314E+04	0.48386E+00	0.44279E+00	0.21425E+00	0.66569E+00
0.25315E+04	0.48016E+00	0.44288E+00	0.21265E+00	0.66073E+00
0.25316E+04	0.47643E+00	0.44297E+00	0.21104E+00	0.65573E+00
0.25317E+04	0.47265E+00	0.44306E+00	0.20941E+00	0.65067E+00
0.25318E+04	0.46884E+00	0.44315E+00	0.20776E+00	0.64554E+00
0.25319E+04	0.46499E+00	0.44324E+00	0.20610E+00	0.64038E+00
0.25320E+04	0.46115E+00	0.44333E+00	0.20444E+00	0.63521E+00
0.25321E+04	0.45731E+00	0.44342E+00	0.20278E+00	0.63006E+00
0.25322E+04	0.45349E+00	0.44350E+00	0.20112E+00	0.62491E+00
0.25323E+04	0.44965E+00	0.44358E+00	0.19946E+00	0.61974E+00
0.25324E+04	0.44580E+00	0.44366E+00	0.19778E+00	0.61453E+00
0.25325E+04	0.44192E+00	0.44374E+00	0.19610E+00	0.60929E+00
0.25326E+04	0.43802E+00	0.44382E+00	0.19440E+00	0.60402E+00
0.25327E+04	0.43411E+00	0.44390E+00	0.19270E+00	0.59874E+00
0.25328E+04	0.43020E+00	0.44397E+00	0.19100E+00	0.59344E+00
0.25329E+04	0.42627E+00	0.44405E+00	0.18929E+00	0.58813E+00

0.25330E+04	0.42234E+00	0.44413E+00	0.18757E+00	0.58281E+00
0.25331E+04	0.41840E+00	0.44421E+00	0.18586E+00	0.57748E+00
0.25332E+04	0.41446E+00	0.44429E+00	0.18414E+00	0.57213E+00
0.25333E+04	0.41050E+00	0.44436E+00	0.18241E+00	0.56677E+00
0.25334E+04	0.40653E+00	0.44444E+00	0.18068E+00	0.56138E+00
0.25335E+04	0.40252E+00	0.44452E+00	0.17893E+00	0.55594E+00
0.25336E+04	0.39849E+00	0.44459E+00	0.17717E+00	0.55047E+00
0.25337E+04	0.39448E+00	0.44467E+00	0.17541E+00	0.54503E+00
0.25338E+04	0.39050E+00	0.44474E+00	0.17367E+00	0.53962E+00
0.25339E+04	0.38655E+00	0.44482E+00	0.17194E+00	0.53424E+00
0.25340E+04	0.38258E+00	0.44490E+00	0.17021E+00	0.52885E+00
0.25341E+04	0.37858E+00	0.44499E+00	0.16846E+00	0.52344E+00
0.25342E+04	0.37457E+00	0.44508E+00	0.16671E+00	0.51800E+00
0.25343E+04	0.37056E+00	0.44517E+00	0.16496E+00	0.51255E+00
0.25344E+04	0.36654E+00	0.44526E+00	0.16321E+00	0.50710E+00
0.25345E+04	0.36254E+00	0.44536E+00	0.16146E+00	0.50167E+00
0.25346E+04	0.35856E+00	0.44545E+00	0.15972E+00	0.49627E+00
0.25347E+04	0.35459E+00	0.44554E+00	0.15798E+00	0.49087E+00
0.25348E+04	0.35060E+00	0.44563E+00	0.15624E+00	0.48545E+00
0.25349E+04	0.34659E+00	0.44573E+00	0.15448E+00	0.47999E+00
0.25350E+04	0.34257E+00	0.44582E+00	0.15272E+00	0.47452E+00
0.25351E+04	0.33856E+00	0.44590E+00	0.15096E+00	0.46905E+00
0.25352E+04	0.33456E+00	0.44597E+00	0.14920E+00	0.46359E+00
0.25353E+04	0.33057E+00	0.44605E+00	0.14745E+00	0.45815E+00
0.25354E+04	0.32664E+00	0.44613E+00	0.14572E+00	0.45278E+00
0.25355E+04	0.32276E+00	0.44621E+00	0.14402E+00	0.44747E+00
0.25356E+04	0.31889E+00	0.44628E+00	0.14232E+00	0.44219E+00
0.25357E+04	0.31503E+00	0.44636E+00	0.14062E+00	0.43691E+00
0.25358E+04	0.31114E+00	0.44644E+00	0.13891E+00	0.43160E+00
0.25359E+04	0.30725E+00	0.44652E+00	0.13719E+00	0.42627E+00
0.25360E+04	0.30336E+00	0.44660E+00	0.13548E+00	0.42095E+00
0.25361E+04	0.29948E+00	0.44667E+00	0.13377E+00	0.41564E+00
0.25362E+04	0.29565E+00	0.44674E+00	0.13208E+00	0.41037E+00
0.25363E+04	0.29185E+00	0.44681E+00	0.13040E+00	0.40517E+00
0.25364E+04	0.28806E+00	0.44687E+00	0.12873E+00	0.39997E+00
0.25365E+04	0.28427E+00	0.44694E+00	0.12705E+00	0.39476E+00
0.25366E+04	0.28047E+00	0.44701E+00	0.12538E+00	0.38955E+00
0.25367E+04	0.27669E+00	0.44708E+00	0.12370E+00	0.38435E+00
0.25368E+04	0.27292E+00	0.44715E+00	0.12203E+00	0.37917E+00
0.25369E+04	0.26917E+00	0.44722E+00	0.12038E+00	0.37403E+00
0.25370E+04	0.26546E+00	0.44728E+00	0.11873E+00	0.36892E+00
0.25371E+04	0.26178E+00	0.44735E+00	0.11711E+00	0.36387E+00
0.25372E+04	0.25818E+00	0.44742E+00	0.11551E+00	0.35891E+00

0.25373E+04	0.25461E+00	0.44748E+00	0.11393E+00	0.35401E+00
0.25374E+04	0.25105E+00	0.44755E+00	0.11236E+00	0.34911E+00
0.25375E+04	0.24750E+00	0.44762E+00	0.11078E+00	0.34422E+00
0.25376E+04	0.24396E+00	0.44768E+00	0.10921E+00	0.33934E+00
0.25377E+04	0.24044E+00	0.44775E+00	0.10766E+00	0.33449E+00
0.25378E+04	0.23695E+00	0.44782E+00	0.10611E+00	0.32970E+00
0.25379E+04	0.23353E+00	0.44788E+00	0.10459E+00	0.32498E+00
0.25380E+04	0.23015E+00	0.44795E+00	0.10310E+00	0.32033E+00
0.25381E+04	0.22682E+00	0.44802E+00	0.10162E+00	0.31574E+00
0.25382E+04	0.22352E+00	0.44809E+00	0.10016E+00	0.31121E+00
0.25383E+04	0.22029E+00	0.44817E+00	0.98726E-01	0.30675E+00
0.25384E+04	0.21710E+00	0.44824E+00	0.97312E-01	0.30236E+00
0.25385E+04	0.21392E+00	0.44832E+00	0.95902E-01	0.29798E+00
0.25386E+04	0.21073E+00	0.44839E+00	0.94488E-01	0.29358E+00
0.25387E+04	0.20755E+00	0.44846E+00	0.93079E-01	0.28920E+00
0.25388E+04	0.20441E+00	0.44853E+00	0.91686E-01	0.28488E+00
0.25389E+04	0.20132E+00	0.44861E+00	0.90311E-01	0.28060E+00
0.25390E+04	0.19825E+00	0.44868E+00	0.88951E-01	0.27638E+00
0.25391E+04	0.19522E+00	0.44875E+00	0.87606E-01	0.27220E+00
0.25392E+04	0.19222E+00	0.44882E+00	0.86274E-01	0.26806E+00
0.25393E+04	0.18924E+00	0.44889E+00	0.84949E-01	0.26395E+00
0.25394E+04	0.18629E+00	0.44896E+00	0.83637E-01	0.25987E+00
0.25395E+04	0.18337E+00	0.44903E+00	0.82341E-01	0.25584E+00
0.25396E+04	0.18050E+00	0.44910E+00	0.81065E-01	0.25188E+00
0.25397E+04	0.17767E+00	0.44917E+00	0.79804E-01	0.24796E+00
0.25398E+04	0.17484E+00	0.44925E+00	0.78544E-01	0.24405E+00
0.25399E+04	0.17200E+00	0.44932E+00	0.77285E-01	0.24013E+00
0.25400E+04	0.16919E+00	0.44939E+00	0.76032E-01	0.23624E+00
0.25401E+04	0.16640E+00	0.44946E+00	0.74789E-01	0.23238E+00
0.25402E+04	0.16363E+00	0.44952E+00	0.73555E-01	0.22854E+00
0.25403E+04	0.16089E+00	0.44959E+00	0.72335E-01	0.22475E+00
0.25404E+04	0.15818E+00	0.44966E+00	0.71125E-01	0.22099E+00
0.25405E+04	0.15548E+00	0.44972E+00	0.69923E-01	0.21726E+00
0.25406E+04	0.15281E+00	0.44979E+00	0.68735E-01	0.21357E+00
0.25407E+04	0.15018E+00	0.44986E+00	0.67560E-01	0.20992E+00
0.25408E+04	0.14759E+00	0.44993E+00	0.66405E-01	0.20633E+00
0.25409E+04	0.14506E+00	0.44999E+00	0.65277E-01	0.20282E+00
0.25410E+04	0.14260E+00	0.45006E+00	0.64178E-01	0.19941E+00
0.25411E+04	0.14021E+00	0.45013E+00	0.63114E-01	0.19610E+00
0.25412E+04	0.13790E+00	0.45020E+00	0.62081E-01	0.19289E+00
0.25413E+04	0.13562E+00	0.45027E+00	0.61068E-01	0.18974E+00
0.25414E+04	0.13336E+00	0.45035E+00	0.60058E-01	0.18660E+00
0.25415E+04	0.13109E+00	0.45042E+00	0.59045E-01	0.18346E+00

0.25416E+04	0.12883E+00	0.45049E+00	0.58038E-01	0.18033E+00
0.25417E+04	0.12659E+00	0.45056E+00	0.57035E-01	0.17721E+00
0.25418E+04	0.12435E+00	0.45063E+00	0.56037E-01	0.17411E+00
0.25419E+04	0.12215E+00	0.45070E+00	0.55053E-01	0.17105E+00
0.25420E+04	0.11998E+00	0.45077E+00	0.54083E-01	0.16804E+00
0.25421E+04	0.11784E+00	0.45083E+00	0.53124E-01	0.16506E+00
0.25422E+04	0.11573E+00	0.45089E+00	0.52180E-01	0.16213E+00
0.25423E+04	0.11367E+00	0.45095E+00	0.51259E-01	0.15927E+00
0.25424E+04	0.11166E+00	0.45101E+00	0.50358E-01	0.15647E+00
0.25425E+04	0.10966E+00	0.45107E+00	0.49464E-01	0.15369E+00
0.25426E+04	0.10766E+00	0.45112E+00	0.48568E-01	0.15090E+00
0.25427E+04	0.10566E+00	0.45118E+00	0.47673E-01	0.14813E+00
0.25428E+04	0.10370E+00	0.45124E+00	0.46796E-01	0.14540E+00
0.25429E+04	0.10180E+00	0.45130E+00	0.45941E-01	0.14274E+00
0.25430E+04	0.99950E-01	0.45135E+00	0.45113E-01	0.14017E+00
0.25431E+04	0.98151E-01	0.45141E+00	0.44306E-01	0.13766E+00
0.25432E+04	0.96376E-01	0.45147E+00	0.43510E-01	0.13519E+00
0.25433E+04	0.94619E-01	0.45152E+00	0.42723E-01	0.13274E+00
0.25434E+04	0.92890E-01	0.45158E+00	0.41947E-01	0.13033E+00
0.25435E+04	0.91186E-01	0.45163E+00	0.41183E-01	0.12796E+00
0.25436E+04	0.89507E-01	0.45169E+00	0.40429E-01	0.12562E+00
0.25437E+04	0.87853E-01	0.45174E+00	0.39687E-01	0.12331E+00
0.25438E+04	0.86225E-01	0.45180E+00	0.38956E-01	0.12104E+00
0.25439E+04	0.84619E-01	0.45185E+00	0.38235E-01	0.11880E+00
0.25440E+04	0.83034E-01	0.45191E+00	0.37524E-01	0.11659E+00
0.25441E+04	0.81479E-01	0.45195E+00	0.36825E-01	0.11442E+00
0.25442E+04	0.79958E-01	0.45199E+00	0.36140E-01	0.11229E+00
0.25443E+04	0.78469E-01	0.45203E+00	0.35471E-01	0.11021E+00
0.25444E+04	0.77019E-01	0.45207E+00	0.34818E-01	0.10818E+00
0.25445E+04	0.75618E-01	0.45211E+00	0.34188E-01	0.10623E+00
0.25446E+04	0.74284E-01	0.45216E+00	0.33588E-01	0.10436E+00
0.25447E+04	0.73009E-01	0.45220E+00	0.33014E-01	0.10258E+00
0.25448E+04	0.71772E-01	0.45224E+00	0.32458E-01	0.10085E+00
0.25449E+04	0.70562E-01	0.45228E+00	0.31914E-01	0.99159E-01
0.25450E+04	0.69377E-01	0.45232E+00	0.31380E-01	0.97502E-01
0.25451E+04	0.68233E-01	0.45238E+00	0.30867E-01	0.95907E-01
0.25452E+04	0.67123E-01	0.45243E+00	0.30369E-01	0.94359E-01
0.25453E+04	0.66017E-01	0.45249E+00	0.29872E-01	0.92816E-01
0.25454E+04	0.64921E-01	0.45255E+00	0.29380E-01	0.91286E-01
0.25455E+04	0.63838E-01	0.45260E+00	0.28893E-01	0.89774E-01
0.25456E+04	0.62773E-01	0.45266E+00	0.28415E-01	0.88288E-01
0.25457E+04	0.61730E-01	0.45272E+00	0.27947E-01	0.86832E-01
0.25458E+04	0.60705E-01	0.45278E+00	0.27486E-01	0.85402E-01

0.25459E+04	0.59702E-01	0.45284E+00	0.27035E-01	0.84002E-01
0.25460E+04	0.58722E-01	0.45290E+00	0.26595E-01	0.82633E-01
0.25461E+04	0.57741E-01	0.45293E+00	0.26153E-01	0.81259E-01
0.25462E+04	0.56777E-01	0.45295E+00	0.25717E-01	0.79906E-01
0.25463E+04	0.55859E-01	0.45298E+00	0.25303E-01	0.78618E-01
0.25464E+04	0.54986E-01	0.45300E+00	0.24909E-01	0.77394E-01
0.25465E+04	0.54145E-01	0.45302E+00	0.24529E-01	0.76214E-01
0.25466E+04	0.53309E-01	0.45305E+00	0.24151E-01	0.75041E-01
0.25467E+04	0.52464E-01	0.45307E+00	0.23770E-01	0.73856E-01
0.25468E+04	0.51631E-01	0.45310E+00	0.23394E-01	0.72688E-01
0.25469E+04	0.50816E-01	0.45312E+00	0.23026E-01	0.71544E-01
0.25470E+04	0.50009E-01	0.45315E+00	0.22662E-01	0.70412E-01
0.25471E+04	0.49204E-01	0.45317E+00	0.22298E-01	0.69281E-01
0.25472E+04	0.48405E-01	0.45320E+00	0.21937E-01	0.68160E-01
0.25473E+04	0.47604E-01	0.45322E+00	0.21575E-01	0.67036E-01
0.25474E+04	0.46802E-01	0.45324E+00	0.21213E-01	0.65909E-01
0.25475E+04	0.46024E-01	0.45327E+00	0.20861E-01	0.64817E-01
0.25476E+04	0.45289E-01	0.45329E+00	0.20529E-01	0.63786E-01
0.25477E+04	0.44597E-01	0.45331E+00	0.20216E-01	0.62814E-01
0.25478E+04	0.43930E-01	0.45333E+00	0.19915E-01	0.61877E-01
0.25479E+04	0.43268E-01	0.45335E+00	0.19616E-01	0.60948E-01
0.25480E+04	0.42601E-01	0.45337E+00	0.19314E-01	0.60012E-01
0.25481E+04	0.41921E-01	0.45338E+00	0.19006E-01	0.59053E-01
0.25482E+04	0.41224E-01	0.45338E+00	0.18690E-01	0.58072E-01
0.25483E+04	0.40519E-01	0.45339E+00	0.18371E-01	0.57080E-01
0.25484E+04	0.39823E-01	0.45339E+00	0.18056E-01	0.56101E-01
0.25485E+04	0.39158E-01	0.45340E+00	0.17754E-01	0.55163E-01
0.25486E+04	0.38530E-01	0.45340E+00	0.17469E-01	0.54279E-01
0.25487E+04	0.37928E-01	0.45340E+00	0.17197E-01	0.53432E-01
0.25488E+04	0.37344E-01	0.45341E+00	0.16932E-01	0.52610E-01
0.25489E+04	0.36758E-01	0.45341E+00	0.16666E-01	0.51784E-01
0.25490E+04	0.36162E-01	0.45341E+00	0.16396E-01	0.50945E-01
0.25491E+04	0.35572E-01	0.45341E+00	0.16129E-01	0.50114E-01
0.25492E+04	0.35000E-01	0.45342E+00	0.15870E-01	0.49309E-01
0.25493E+04	0.34441E-01	0.45342E+00	0.15616E-01	0.48522E-01
0.25494E+04	0.33877E-01	0.45342E+00	0.15361E-01	0.47727E-01
0.25495E+04	0.33324E-01	0.45342E+00	0.15110E-01	0.46948E-01
0.25496E+04	0.32795E-01	0.45342E+00	0.14870E-01	0.46203E-01
0.25497E+04	0.32283E-01	0.45343E+00	0.14638E-01	0.45481E-01
0.25498E+04	0.31788E-01	0.45343E+00	0.14413E-01	0.44784E-01
0.25499E+04	0.31305E-01	0.45343E+00	0.14194E-01	0.44103E-01
0.25500E+04	0.30829E-01	0.45344E+00	0.13979E-01	0.43435E-01
0.25501E+04	0.30346E-01	0.45350E+00	0.13762E-01	0.42760E-01

0.25502E+04	0.29868E-01	0.45357E+00	0.13547E-01	0.42093E-01
0.25503E+04	0.29397E-01	0.45363E+00	0.13335E-01	0.41434E-01
0.25504E+04	0.28933E-01	0.45369E+00	0.13127E-01	0.40787E-01
0.25505E+04	0.28471E-01	0.45376E+00	0.12919E-01	0.40140E-01
0.25506E+04	0.28012E-01	0.45382E+00	0.12712E-01	0.39498E-01
0.25507E+04	0.27567E-01	0.45389E+00	0.12512E-01	0.38877E-01
0.25508E+04	0.27124E-01	0.45395E+00	0.12313E-01	0.38258E-01
0.25509E+04	0.26686E-01	0.45402E+00	0.12116E-01	0.37645E-01
0.25510E+04	0.26248E-01	0.45408E+00	0.11919E-01	0.37032E-01
0.25511E+04	0.25810E-01	0.45415E+00	0.11722E-01	0.36421E-01
0.25512E+04	0.25382E-01	0.45422E+00	0.11529E-01	0.35821E-01
0.25513E+04	0.24958E-01	0.45429E+00	0.11338E-01	0.35228E-01
0.25514E+04	0.24541E-01	0.45436E+00	0.11150E-01	0.34645E-01
0.25515E+04	0.24128E-01	0.45443E+00	0.10964E-01	0.34067E-01
0.25516E+04	0.23717E-01	0.45450E+00	0.10779E-01	0.33493E-01
0.25517E+04	0.23327E-01	0.45457E+00	0.10604E-01	0.32946E-01
0.25518E+04	0.22980E-01	0.45464E+00	0.10448E-01	0.32462E-01
0.25519E+04	0.22660E-01	0.45471E+00	0.10304E-01	0.32015E-01
0.25520E+04	0.22346E-01	0.45478E+00	0.10162E-01	0.31575E-01
0.25521E+04	0.22035E-01	0.45480E+00	0.10021E-01	0.31137E-01
0.25522E+04	0.21727E-01	0.45482E+00	0.98817E-02	0.30703E-01
0.25523E+04	0.21426E-01	0.45484E+00	0.97455E-02	0.30280E-01
0.25524E+04	0.21127E-01	0.45486E+00	0.96099E-02	0.29859E-01
0.25525E+04	0.20828E-01	0.45488E+00	0.94743E-02	0.29438E-01
0.25526E+04	0.20533E-01	0.45490E+00	0.93406E-02	0.29022E-01
0.25527E+04	0.20241E-01	0.45492E+00	0.92079E-02	0.28610E-01
0.25528E+04	0.19948E-01	0.45494E+00	0.90752E-02	0.28198E-01
0.25529E+04	0.19656E-01	0.45496E+00	0.89428E-02	0.27786E-01
0.25530E+04	0.19368E-01	0.45498E+00	0.88119E-02	0.27380E-01
0.25531E+04	0.19080E-01	0.45499E+00	0.86812E-02	0.26973E-01
0.25532E+04	0.18792E-01	0.45501E+00	0.85506E-02	0.26568E-01
0.25533E+04	0.18505E-01	0.45502E+00	0.84204E-02	0.26163E-01
0.25534E+04	0.18223E-01	0.45504E+00	0.82922E-02	0.25765E-01
0.25535E+04	0.17946E-01	0.45505E+00	0.81663E-02	0.25373E-01
0.25536E+04	0.17669E-01	0.45506E+00	0.80406E-02	0.24983E-01
0.25537E+04	0.17420E-01	0.45507E+00	0.79272E-02	0.24631E-01
0.25538E+04	0.17172E-01	0.45508E+00	0.78148E-02	0.24281E-01
0.25539E+04	0.16930E-01	0.45509E+00	0.77048E-02	0.23940E-01
0.25540E+04	0.16690E-01	0.45510E+00	0.75956E-02	0.23600E-01
0.25541E+04	0.16451E-01	0.45509E+00	0.74866E-02	0.23262E-01
0.25542E+04	0.16213E-01	0.45507E+00	0.73780E-02	0.22924E-01
0.25543E+04	0.15978E-01	0.45504E+00	0.72705E-02	0.22590E-01
0.25544E+04	0.15742E-01	0.45502E+00	0.71630E-02	0.22256E-01

0.25545E+04	0.15507E-01	0.45500E+00	0.70555E-02	0.21922E-01
0.25546E+04	0.15277E-01	0.45497E+00	0.69507E-02	0.21597E-01
0.25547E+04	0.15050E-01	0.45495E+00	0.68469E-02	0.21274E-01
0.25548E+04	0.14824E-01	0.45492E+00	0.67438E-02	0.20954E-01
0.25549E+04	0.14607E-01	0.45489E+00	0.66448E-02	0.20646E-01
0.25550E+04	0.14391E-01	0.45487E+00	0.65462E-02	0.20340E-01
0.25551E+04	0.14180E-01	0.45483E+00	0.64494E-02	0.20039E-01
0.25552E+04	0.13970E-01	0.45478E+00	0.63532E-02	0.19740E-01
0.25553E+04	0.13760E-01	0.45474E+00	0.62571E-02	0.19442E-01
0.25554E+04	0.13550E-01	0.45470E+00	0.61614E-02	0.19144E-01
0.25555E+04	0.13342E-01	0.45466E+00	0.60659E-02	0.18847E-01
0.25556E+04	0.13135E-01	0.45462E+00	0.59713E-02	0.18553E-01
0.25557E+04	0.12930E-01	0.45457E+00	0.58776E-02	0.18262E-01
0.25558E+04	0.12733E-01	0.45453E+00	0.57877E-02	0.17983E-01
0.25559E+04	0.12538E-01	0.45449E+00	0.56983E-02	0.17705E-01
0.25560E+04	0.12343E-01	0.45446E+00	0.56092E-02	0.17428E-01
0.25561E+04	0.12150E-01	0.45447E+00	0.55218E-02	0.17157E-01
0.25562E+04	0.11959E-01	0.45449E+00	0.54352E-02	0.16888E-01
0.25563E+04	0.11768E-01	0.45451E+00	0.53487E-02	0.16619E-01
0.25564E+04	0.11578E-01	0.45453E+00	0.52625E-02	0.16351E-01
0.25565E+04	0.11390E-01	0.45455E+00	0.51772E-02	0.16086E-01
0.25566E+04	0.11202E-01	0.45457E+00	0.50922E-02	0.15822E-01
0.25567E+04	0.11016E-01	0.45458E+00	0.50076E-02	0.15559E-01
0.25568E+04	0.10829E-01	0.45460E+00	0.49231E-02	0.15297E-01
0.25569E+04	0.10646E-01	0.45462E+00	0.48401E-02	0.15039E-01
0.25570E+04	0.10470E-01	0.45464E+00	0.47601E-02	0.14790E-01
0.25571E+04	0.10295E-01	0.45466E+00	0.46807E-02	0.14543E-01
0.25572E+04	0.10121E-01	0.45468E+00	0.46017E-02	0.14298E-01
0.25573E+04	0.99477E-02	0.45470E+00	0.45232E-02	0.14054E-01
0.25574E+04	0.97757E-02	0.45472E+00	0.44451E-02	0.13812E-01
0.25575E+04	0.96054E-02	0.45473E+00	0.43679E-02	0.13572E-01
0.25576E+04	0.94381E-02	0.45476E+00	0.42920E-02	0.13336E-01
0.25577E+04	0.92734E-02	0.45478E+00	0.42173E-02	0.13104E-01
0.25578E+04	0.91091E-02	0.45480E+00	0.41428E-02	0.12872E-01
0.25579E+04	0.89470E-02	0.45482E+00	0.40693E-02	0.12644E-01
0.25580E+04	0.87862E-02	0.45485E+00	0.39963E-02	0.12417E-01
0.25581E+04	0.86255E-02	0.45490E+00	0.39237E-02	0.12191E-01
0.25582E+04	0.84716E-02	0.45495E+00	0.38542E-02	0.11975E-01
0.25583E+04	0.83190E-02	0.45500E+00	0.37852E-02	0.11761E-01
0.25584E+04	0.81668E-02	0.45506E+00	0.37164E-02	0.11547E-01
0.25585E+04	0.80150E-02	0.45511E+00	0.36477E-02	0.11334E-01
0.25586E+04	0.78650E-02	0.45517E+00	0.35799E-02	0.11123E-01
0.25587E+04	0.77150E-02	0.45523E+00	0.35121E-02	0.10912E-01

0.25588E+04	0.75674E-02	0.45528E+00	0.34453E-02	0.10705E-01
0.25589E+04	0.74210E-02	0.45534E+00	0.33791E-02	0.10499E-01
0.25590E+04	0.72756E-02	0.45540E+00	0.33133E-02	0.10295E-01
0.25591E+04	0.71319E-02	0.45546E+00	0.32483E-02	0.10093E-01
0.25592E+04	0.69908E-02	0.45553E+00	0.31845E-02	0.98945E-02
0.25593E+04	0.68505E-02	0.45559E+00	0.31210E-02	0.96973E-02
0.25594E+04	0.67109E-02	0.45565E+00	0.30578E-02	0.95010E-02
0.25595E+04	0.65722E-02	0.45572E+00	0.29950E-02	0.93059E-02
0.25596E+04	0.64349E-02	0.45578E+00	0.29329E-02	0.91129E-02
0.25597E+04	0.63009E-02	0.45585E+00	0.28723E-02	0.89245E-02
0.25598E+04	0.61703E-02	0.45592E+00	0.28132E-02	0.87408E-02
0.25599E+04	0.60412E-02	0.45599E+00	0.27547E-02	0.85592E-02
0.25600E+04	0.59127E-02	0.45605E+00	0.26965E-02	0.83782E-02
0.25601E+04	0.57865E-02	0.45604E+00	0.26388E-02	0.81992E-02
0.25602E+04	0.56623E-02	0.45602E+00	0.25822E-02	0.80231E-02
0.25603E+04	0.55399E-02	0.45601E+00	0.25263E-02	0.78494E-02
0.25604E+04	0.54178E-02	0.45600E+00	0.24705E-02	0.76761E-02
0.25605E+04	0.52963E-02	0.45598E+00	0.24151E-02	0.75038E-02
0.25606E+04	0.51752E-02	0.45597E+00	0.23597E-02	0.73320E-02
0.25607E+04	0.50546E-02	0.45596E+00	0.23047E-02	0.71609E-02
0.25608E+04	0.49347E-02	0.45595E+00	0.22500E-02	0.69909E-02
0.25609E+04	0.48158E-02	0.45594E+00	0.21957E-02	0.68223E-02
0.25610E+04	0.46974E-02	0.45593E+00	0.21417E-02	0.66544E-02
0.25611E+04	0.45813E-02	0.45592E+00	0.20887E-02	0.64898E-02
0.25612E+04	0.44653E-02	0.45591E+00	0.20358E-02	0.63254E-02
0.25613E+04	0.43495E-02	0.45590E+00	0.19829E-02	0.61611E-02
0.25614E+04	0.42351E-02	0.45589E+00	0.19307E-02	0.59989E-02
0.25615E+04	0.41218E-02	0.45588E+00	0.18790E-02	0.58384E-02
0.25616E+04	0.40103E-02	0.45587E+00	0.18282E-02	0.56803E-02
0.25617E+04	0.39027E-02	0.45585E+00	0.17791E-02	0.55277E-02
0.25618E+04	0.37954E-02	0.45584E+00	0.17301E-02	0.53756E-02
0.25619E+04	0.36887E-02	0.45583E+00	0.16814E-02	0.52244E-02
0.25620E+04	0.35822E-02	0.45582E+00	0.16328E-02	0.50734E-02
0.25621E+04	0.34758E-02	0.45582E+00	0.15844E-02	0.49228E-02
0.25622E+04	0.33700E-02	0.45583E+00	0.15361E-02	0.47729E-02
0.25623E+04	0.32645E-02	0.45583E+00	0.14881E-02	0.46236E-02
0.25624E+04	0.31594E-02	0.45584E+00	0.14402E-02	0.44747E-02
0.25625E+04	0.30549E-02	0.45584E+00	0.13926E-02	0.43269E-02
0.25626E+04	0.29508E-02	0.45584E+00	0.13451E-02	0.41793E-02
0.25627E+04	0.28478E-02	0.45584E+00	0.12982E-02	0.40335E-02
0.25628E+04	0.27459E-02	0.45584E+00	0.12517E-02	0.38891E-02
0.25629E+04	0.26448E-02	0.45584E+00	0.12056E-02	0.37460E-02
0.25630E+04	0.25439E-02	0.45584E+00	0.11596E-02	0.36031E-02

0.25631E+04	0.24435E-02	0.45583E+00	0.11138E-02	0.34608E-02
0.25632E+04	0.23445E-02	0.45583E+00	0.10687E-02	0.33206E-02
0.25633E+04	0.22465E-02	0.45583E+00	0.10240E-02	0.31817E-02
0.25634E+04	0.21486E-02	0.45582E+00	0.97939E-03	0.30431E-02
0.25635E+04	0.20515E-02	0.45582E+00	0.93513E-03	0.29055E-02
0.25636E+04	0.19597E-02	0.45581E+00	0.89325E-03	0.27754E-02
0.25637E+04	0.18693E-02	0.45580E+00	0.85203E-03	0.26473E-02
0.25638E+04	0.17791E-02	0.45579E+00	0.81092E-03	0.25196E-02
0.25639E+04	0.16905E-02	0.45578E+00	0.77047E-03	0.23939E-02
0.25640E+04	0.16052E-02	0.45577E+00	0.73159E-03	0.22731E-02
0.25641E+04	0.15236E-02	0.45576E+00	0.69440E-03	0.21576E-02
0.25642E+04	0.14431E-02	0.45575E+00	0.65768E-03	0.20435E-02
0.25643E+04	0.13659E-02	0.45574E+00	0.62251E-03	0.19342E-02
0.25644E+04	0.12891E-02	0.45573E+00	0.58750E-03	0.18254E-02
0.25645E+04	0.12138E-02	0.45572E+00	0.55316E-03	0.17187E-02
0.25646E+04	0.11391E-02	0.45571E+00	0.51908E-03	0.16128E-02
0.25647E+04	0.10655E-02	0.45570E+00	0.48554E-03	0.15086E-02
0.25648E+04	0.99262E-03	0.45569E+00	0.45232E-03	0.14054E-02
0.25649E+04	0.91986E-03	0.45568E+00	0.41916E-03	0.13024E-02
0.25650E+04	0.84973E-03	0.45566E+00	0.38719E-03	0.12030E-02
0.25651E+04	0.78034E-03	0.45566E+00	0.35557E-03	0.11048E-02
0.25652E+04	0.71166E-03	0.45567E+00	0.32428E-03	0.10076E-02
0.25653E+04	0.64538E-03	0.45567E+00	0.29408E-03	0.91373E-03
0.25654E+04	0.57937E-03	0.45567E+00	0.26400E-03	0.82028E-03
0.25655E+04	0.51431E-03	0.45567E+00	0.23435E-03	0.72816E-03
0.25656E+04	0.45090E-03	0.45567E+00	0.20546E-03	0.63839E-03
0.25657E+04	0.38818E-03	0.45567E+00	0.17688E-03	0.54960E-03
0.25658E+04	0.32553E-03	0.45568E+00	0.14834E-03	0.46090E-03
0.25659E+04	0.26320E-03	0.45568E+00	0.11993E-03	0.37264E-03
0.25660E+04	0.20211E-03	0.45568E+00	0.92098E-04	0.28616E-03
0.25661E+04	0.14395E-03	0.45565E+00	0.65592E-04	0.20380E-03
0.25662E+04	0.88574E-04	0.45562E+00	0.40356E-04	0.12539E-03
0.25663E+04	0.34466E-04	0.45559E+00	0.15702E-04	0.48789E-04
0.25664E+04	0.00000E+00	0.45555E+00	0.00000E+00	0.00000E+00
Channel 19				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
0.25554E+04	0.00000E+00	0.45470E+00	0.00000E+00	0.00000E+00
0.25556E+04	0.10676E-04	0.45462E+00	0.48536E-05	0.13004E-04
0.25558E+04	0.41062E-04	0.45453E+00	0.18664E-04	0.50006E-04
0.25560E+04	0.73501E-04	0.45446E+00	0.33403E-04	0.89495E-04

0.25562E+04	0.10862E-03	0.45449E+00	0.49365E-04	0.13226E-03
0.25564E+04	0.15652E-03	0.45453E+00	0.71143E-04	0.19061E-03
0.25566E+04	0.20857E-03	0.45457E+00	0.94807E-04	0.25401E-03
0.25568E+04	0.26349E-03	0.45460E+00	0.11978E-03	0.32093E-03
0.25570E+04	0.31868E-03	0.45464E+00	0.14489E-03	0.38819E-03
0.25572E+04	0.37604E-03	0.45468E+00	0.17098E-03	0.45810E-03
0.25574E+04	0.43398E-03	0.45472E+00	0.19734E-03	0.52872E-03
0.25576E+04	0.49263E-03	0.45476E+00	0.22403E-03	0.60023E-03
0.25578E+04	0.56409E-03	0.45480E+00	0.25655E-03	0.68737E-03
0.25580E+04	0.64071E-03	0.45485E+00	0.29142E-03	0.78081E-03
0.25582E+04	0.71764E-03	0.45495E+00	0.32649E-03	0.87476E-03
0.25584E+04	0.79844E-03	0.45506E+00	0.36333E-03	0.97348E-03
0.25586E+04	0.87991E-03	0.45517E+00	0.40051E-03	0.10731E-02
0.25588E+04	0.96235E-03	0.45528E+00	0.43814E-03	0.11739E-02
0.25590E+04	0.10449E-02	0.45540E+00	0.47587E-03	0.12750E-02
0.25592E+04	0.11317E-02	0.45553E+00	0.51551E-03	0.13812E-02
0.25594E+04	0.12190E-02	0.45565E+00	0.55545E-03	0.14882E-02
0.25596E+04	0.13085E-02	0.45578E+00	0.59640E-03	0.15979E-02
0.25598E+04	0.13996E-02	0.45592E+00	0.63811E-03	0.17097E-02
0.25600E+04	0.14914E-02	0.45605E+00	0.68014E-03	0.18223E-02
0.25602E+04	0.15832E-02	0.45602E+00	0.72200E-03	0.19344E-02
0.25604E+04	0.16766E-02	0.45600E+00	0.76454E-03	0.20484E-02
0.25606E+04	0.17702E-02	0.45597E+00	0.80714E-03	0.21626E-02
0.25608E+04	0.18642E-02	0.45595E+00	0.84996E-03	0.22773E-02
0.25610E+04	0.19588E-02	0.45593E+00	0.89309E-03	0.23928E-02
0.25612E+04	0.20541E-02	0.45591E+00	0.93648E-03	0.25091E-02
0.25614E+04	0.21516E-02	0.45589E+00	0.98089E-03	0.26281E-02
0.25616E+04	0.22497E-02	0.45587E+00	0.10255E-02	0.27477E-02
0.25618E+04	0.23487E-02	0.45584E+00	0.10706E-02	0.28685E-02
0.25620E+04	0.24499E-02	0.45582E+00	0.11167E-02	0.29919E-02
0.25622E+04	0.25516E-02	0.45583E+00	0.11631E-02	0.31162E-02
0.25624E+04	0.26540E-02	0.45584E+00	0.12098E-02	0.32414E-02
0.25626E+04	0.27577E-02	0.45584E+00	0.12571E-02	0.33681E-02
0.25628E+04	0.28625E-02	0.45584E+00	0.13048E-02	0.34960E-02
0.25630E+04	0.29676E-02	0.45584E+00	0.13527E-02	0.36244E-02
0.25632E+04	0.30736E-02	0.45583E+00	0.14010E-02	0.37537E-02
0.25634E+04	0.31804E-02	0.45582E+00	0.14497E-02	0.38842E-02
0.25636E+04	0.32882E-02	0.45581E+00	0.14988E-02	0.40157E-02
0.25638E+04	0.33975E-02	0.45579E+00	0.15485E-02	0.41489E-02
0.25640E+04	0.35070E-02	0.45577E+00	0.15984E-02	0.42826E-02
0.25642E+04	0.36175E-02	0.45575E+00	0.16487E-02	0.44173E-02
0.25644E+04	0.37292E-02	0.45573E+00	0.16995E-02	0.45534E-02
0.25646E+04	0.38409E-02	0.45571E+00	0.17503E-02	0.46896E-02

0.25648E+04	0.39548E-02	0.45569E+00	0.18022E-02	0.48285E-02
0.25650E+04	0.40700E-02	0.45566E+00	0.18545E-02	0.49688E-02
0.25652E+04	0.41855E-02	0.45567E+00	0.19072E-02	0.51099E-02
0.25654E+04	0.43017E-02	0.45567E+00	0.19602E-02	0.52518E-02
0.25656E+04	0.44188E-02	0.45567E+00	0.20135E-02	0.53948E-02
0.25658E+04	0.45385E-02	0.45568E+00	0.20681E-02	0.55409E-02
0.25660E+04	0.46584E-02	0.45568E+00	0.21228E-02	0.56875E-02
0.25662E+04	0.47785E-02	0.45562E+00	0.21772E-02	0.58333E-02
0.25664E+04	0.49000E-02	0.45555E+00	0.22322E-02	0.59807E-02
0.25666E+04	0.50225E-02	0.45549E+00	0.22877E-02	0.61294E-02
0.25668E+04	0.51456E-02	0.45543E+00	0.23435E-02	0.62788E-02
0.25670E+04	0.52701E-02	0.45537E+00	0.23998E-02	0.64298E-02
0.25672E+04	0.53971E-02	0.45531E+00	0.24574E-02	0.65840E-02
0.25674E+04	0.55255E-02	0.45526E+00	0.25155E-02	0.67398E-02
0.25676E+04	0.56542E-02	0.45520E+00	0.25738E-02	0.68958E-02
0.25678E+04	0.57842E-02	0.45514E+00	0.26327E-02	0.70536E-02
0.25680E+04	0.59150E-02	0.45509E+00	0.26918E-02	0.72122E-02
0.25682E+04	0.60470E-02	0.45499E+00	0.27513E-02	0.73715E-02
0.25684E+04	0.61806E-02	0.45488E+00	0.28114E-02	0.75326E-02
0.25686E+04	0.63156E-02	0.45478E+00	0.28722E-02	0.76955E-02
0.25688E+04	0.64519E-02	0.45468E+00	0.29335E-02	0.78597E-02
0.25690E+04	0.65920E-02	0.45457E+00	0.29965E-02	0.80286E-02
0.25692E+04	0.67337E-02	0.45447E+00	0.30602E-02	0.81992E-02
0.25694E+04	0.68772E-02	0.45436E+00	0.31247E-02	0.83720E-02
0.25696E+04	0.70216E-02	0.45425E+00	0.31896E-02	0.85458E-02
0.25698E+04	0.71681E-02	0.45415E+00	0.32554E-02	0.87220E-02
0.25700E+04	0.73161E-02	0.45404E+00	0.33218E-02	0.89000E-02
0.25702E+04	0.74643E-02	0.45393E+00	0.33882E-02	0.90780E-02
0.25704E+04	0.76131E-02	0.45382E+00	0.34549E-02	0.92568E-02
0.25706E+04	0.77628E-02	0.45371E+00	0.35220E-02	0.94365E-02
0.25708E+04	0.79142E-02	0.45360E+00	0.35899E-02	0.96182E-02
0.25710E+04	0.80666E-02	0.45349E+00	0.36581E-02	0.98012E-02
0.25712E+04	0.82202E-02	0.45338E+00	0.37269E-02	0.99853E-02
0.25714E+04	0.83738E-02	0.45327E+00	0.37956E-02	0.10169E-01
0.25716E+04	0.85292E-02	0.45317E+00	0.38652E-02	0.10356E-01
0.25718E+04	0.86851E-02	0.45306E+00	0.39349E-02	0.10543E-01
0.25720E+04	0.88412E-02	0.45296E+00	0.40047E-02	0.10730E-01
0.25722E+04	0.90035E-02	0.45283E+00	0.40771E-02	0.10924E-01
0.25724E+04	0.91676E-02	0.45270E+00	0.41502E-02	0.11120E-01
0.25726E+04	0.93330E-02	0.45257E+00	0.42239E-02	0.11317E-01
0.25728E+04	0.95025E-02	0.45244E+00	0.42994E-02	0.11519E-01
0.25730E+04	0.96791E-02	0.45231E+00	0.43780E-02	0.11730E-01
0.25732E+04	0.98569E-02	0.45219E+00	0.44572E-02	0.11942E-01

0.25734E+04	0.10037E-01	0.45206E+00	0.45371E-02	0.12156E-01
0.25736E+04	0.10221E-01	0.45194E+00	0.46193E-02	0.12376E-01
0.25738E+04	0.10415E-01	0.45181E+00	0.47056E-02	0.12608E-01
0.25740E+04	0.10610E-01	0.45169E+00	0.47923E-02	0.12840E-01
0.25742E+04	0.10805E-01	0.45159E+00	0.48793E-02	0.13073E-01
0.25744E+04	0.11008E-01	0.45150E+00	0.49701E-02	0.13316E-01
0.25746E+04	0.11213E-01	0.45141E+00	0.50615E-02	0.13561E-01
0.25748E+04	0.11418E-01	0.45131E+00	0.51531E-02	0.13807E-01
0.25750E+04	0.11626E-01	0.45121E+00	0.52459E-02	0.14055E-01
0.25752E+04	0.11854E-01	0.45110E+00	0.53472E-02	0.14327E-01
0.25754E+04	0.12082E-01	0.45098E+00	0.54489E-02	0.14599E-01
0.25756E+04	0.12316E-01	0.45086E+00	0.55528E-02	0.14877E-01
0.25758E+04	0.12550E-01	0.45073E+00	0.56567E-02	0.15156E-01
0.25760E+04	0.12787E-01	0.45061E+00	0.57620E-02	0.15438E-01
0.25762E+04	0.13025E-01	0.45052E+00	0.58679E-02	0.15722E-01
0.25764E+04	0.13263E-01	0.45042E+00	0.59739E-02	0.16006E-01
0.25766E+04	0.13519E-01	0.45032E+00	0.60880E-02	0.16311E-01
0.25768E+04	0.13783E-01	0.45022E+00	0.62052E-02	0.16626E-01
0.25770E+04	0.14076E-01	0.45013E+00	0.63359E-02	0.16976E-01
0.25772E+04	0.14369E-01	0.45002E+00	0.64666E-02	0.17326E-01
0.25774E+04	0.14674E-01	0.44992E+00	0.66019E-02	0.17688E-01
0.25776E+04	0.14983E-01	0.44982E+00	0.67396E-02	0.18057E-01
0.25778E+04	0.15301E-01	0.44973E+00	0.68815E-02	0.18437E-01
0.25780E+04	0.15629E-01	0.44963E+00	0.70273E-02	0.18828E-01
0.25782E+04	0.15960E-01	0.44951E+00	0.71743E-02	0.19222E-01
0.25784E+04	0.16293E-01	0.44938E+00	0.73217E-02	0.19617E-01
0.25786E+04	0.16626E-01	0.44926E+00	0.74695E-02	0.20013E-01
0.25788E+04	0.16963E-01	0.44915E+00	0.76188E-02	0.20413E-01
0.25790E+04	0.17301E-01	0.44904E+00	0.77687E-02	0.20815E-01
0.25792E+04	0.17639E-01	0.44894E+00	0.79189E-02	0.21217E-01
0.25794E+04	0.17979E-01	0.44884E+00	0.80697E-02	0.21621E-01
0.25796E+04	0.18332E-01	0.44874E+00	0.82262E-02	0.22040E-01
0.25798E+04	0.18686E-01	0.44865E+00	0.83833E-02	0.22461E-01
0.25800E+04	0.19042E-01	0.44856E+00	0.85418E-02	0.22886E-01
0.25802E+04	0.19404E-01	0.44876E+00	0.87075E-02	0.23330E-01
0.25804E+04	0.19771E-01	0.44895E+00	0.88763E-02	0.23782E-01
0.25806E+04	0.20139E-01	0.44915E+00	0.90454E-02	0.24235E-01
0.25808E+04	0.20516E-01	0.44935E+00	0.92187E-02	0.24699E-01
0.25810E+04	0.20894E-01	0.44955E+00	0.93927E-02	0.25166E-01
0.25812E+04	0.21283E-01	0.44975E+00	0.95719E-02	0.25646E-01
0.25814E+04	0.21680E-01	0.44995E+00	0.97549E-02	0.26136E-01
0.25816E+04	0.22078E-01	0.45015E+00	0.99387E-02	0.26628E-01
0.25818E+04	0.22483E-01	0.45035E+00	0.10125E-01	0.27129E-01

0.25820E+04	0.22891E-01	0.45055E+00	0.10314E-01	0.27633E-01
0.25822E+04	0.23299E-01	0.45076E+00	0.10502E-01	0.28138E-01
0.25824E+04	0.23711E-01	0.45096E+00	0.10693E-01	0.28649E-01
0.25826E+04	0.24135E-01	0.45117E+00	0.10889E-01	0.29175E-01
0.25828E+04	0.24562E-01	0.45137E+00	0.11087E-01	0.29704E-01
0.25830E+04	0.25005E-01	0.45157E+00	0.11292E-01	0.30254E-01
0.25832E+04	0.25453E-01	0.45177E+00	0.11499E-01	0.30809E-01
0.25834E+04	0.25929E-01	0.45197E+00	0.11719E-01	0.31399E-01
0.25836E+04	0.26413E-01	0.45217E+00	0.11943E-01	0.31999E-01
0.25838E+04	0.26944E-01	0.45236E+00	0.12189E-01	0.32656E-01
0.25840E+04	0.27480E-01	0.45255E+00	0.12436E-01	0.33320E-01
0.25842E+04	0.28024E-01	0.45263E+00	0.12685E-01	0.33986E-01
0.25844E+04	0.28574E-01	0.45271E+00	0.12936E-01	0.34659E-01
0.25846E+04	0.29124E-01	0.45279E+00	0.13187E-01	0.35332E-01
0.25848E+04	0.29677E-01	0.45287E+00	0.13440E-01	0.36010E-01
0.25850E+04	0.30235E-01	0.45295E+00	0.13695E-01	0.36692E-01
0.25852E+04	0.30797E-01	0.45299E+00	0.13951E-01	0.37378E-01
0.25854E+04	0.31370E-01	0.45302E+00	0.14211E-01	0.38076E-01
0.25856E+04	0.31984E-01	0.45305E+00	0.14490E-01	0.38824E-01
0.25858E+04	0.32617E-01	0.45308E+00	0.14778E-01	0.39595E-01
0.25860E+04	0.33218E-01	0.45312E+00	0.15052E-01	0.40328E-01
0.25862E+04	0.33799E-01	0.45322E+00	0.15319E-01	0.41043E-01
0.25864E+04	0.34384E-01	0.45333E+00	0.15587E-01	0.41762E-01
0.25866E+04	0.35020E-01	0.45343E+00	0.15879E-01	0.42545E-01
0.25868E+04	0.35714E-01	0.45353E+00	0.16197E-01	0.43397E-01
0.25870E+04	0.36419E-01	0.45363E+00	0.16521E-01	0.44263E-01
0.25872E+04	0.37103E-01	0.45372E+00	0.16835E-01	0.45105E-01
0.25874E+04	0.37782E-01	0.45382E+00	0.17146E-01	0.45940E-01
0.25876E+04	0.38468E-01	0.45392E+00	0.17461E-01	0.46784E-01
0.25878E+04	0.39179E-01	0.45402E+00	0.17788E-01	0.47659E-01
0.25880E+04	0.39983E-01	0.45413E+00	0.18157E-01	0.48648E-01
0.25882E+04	0.40812E-01	0.45427E+00	0.18540E-01	0.49673E-01
0.25884E+04	0.41612E-01	0.45442E+00	0.18909E-01	0.50663E-01
0.25886E+04	0.42427E-01	0.45456E+00	0.19286E-01	0.51672E-01
0.25888E+04	0.43302E-01	0.45472E+00	0.19690E-01	0.52756E-01
0.25890E+04	0.44217E-01	0.45487E+00	0.20113E-01	0.53889E-01
0.25892E+04	0.45179E-01	0.45503E+00	0.20558E-01	0.55080E-01
0.25894E+04	0.46182E-01	0.45519E+00	0.21021E-01	0.56322E-01
0.25896E+04	0.47176E-01	0.45535E+00	0.21481E-01	0.57555E-01
0.25898E+04	0.48135E-01	0.45551E+00	0.21926E-01	0.58746E-01
0.25900E+04	0.49068E-01	0.45567E+00	0.22359E-01	0.59906E-01
0.25902E+04	0.50022E-01	0.45575E+00	0.22798E-01	0.61082E-01
0.25904E+04	0.51015E-01	0.45584E+00	0.23254E-01	0.62305E-01

0.25906E+04	0.52074E-01	0.45592E+00	0.23742E-01	0.63610E-01
0.25908E+04	0.53193E-01	0.45599E+00	0.24256E-01	0.64987E-01
0.25910E+04	0.54320E-01	0.45606E+00	0.24773E-01	0.66375E-01
0.25912E+04	0.55398E-01	0.45613E+00	0.25268E-01	0.67701E-01
0.25914E+04	0.56447E-01	0.45619E+00	0.25750E-01	0.68993E-01
0.25916E+04	0.57546E-01	0.45624E+00	0.26255E-01	0.70345E-01
0.25918E+04	0.58671E-01	0.45629E+00	0.26771E-01	0.71727E-01
0.25920E+04	0.59806E-01	0.45634E+00	0.27292E-01	0.73123E-01
0.25922E+04	0.60947E-01	0.45635E+00	0.27813E-01	0.74519E-01
0.25924E+04	0.62154E-01	0.45635E+00	0.28364E-01	0.75995E-01
0.25926E+04	0.63383E-01	0.45635E+00	0.28925E-01	0.77498E-01
0.25928E+04	0.64641E-01	0.45635E+00	0.29499E-01	0.79036E-01
0.25930E+04	0.65905E-01	0.45634E+00	0.30075E-01	0.80580E-01
0.25932E+04	0.67193E-01	0.45633E+00	0.30662E-01	0.82152E-01
0.25934E+04	0.68477E-01	0.45632E+00	0.31247E-01	0.83720E-01
0.25936E+04	0.69768E-01	0.45631E+00	0.31836E-01	0.85297E-01
0.25938E+04	0.71049E-01	0.45630E+00	0.32420E-01	0.86861E-01
0.25940E+04	0.72360E-01	0.45629E+00	0.33017E-01	0.88462E-01
0.25942E+04	0.73732E-01	0.45626E+00	0.33641E-01	0.90134E-01
0.25944E+04	0.75188E-01	0.45624E+00	0.34304E-01	0.91909E-01
0.25946E+04	0.76716E-01	0.45622E+00	0.35000E-01	0.93774E-01
0.25948E+04	0.78314E-01	0.45621E+00	0.35728E-01	0.95724E-01
0.25950E+04	0.79928E-01	0.45620E+00	0.36463E-01	0.97695E-01
0.25952E+04	0.81515E-01	0.45625E+00	0.37192E-01	0.99647E-01
0.25954E+04	0.83108E-01	0.45630E+00	0.37923E-01	0.10161E+00
0.25956E+04	0.84772E-01	0.45636E+00	0.38687E-01	0.10365E+00
0.25958E+04	0.86504E-01	0.45643E+00	0.39483E-01	0.10579E+00
0.25960E+04	0.88313E-01	0.45650E+00	0.40315E-01	0.10802E+00
0.25962E+04	0.90191E-01	0.45663E+00	0.41184E-01	0.11034E+00
0.25964E+04	0.92080E-01	0.45675E+00	0.42058E-01	0.11268E+00
0.25966E+04	0.93922E-01	0.45688E+00	0.42911E-01	0.11497E+00
0.25968E+04	0.95762E-01	0.45700E+00	0.43763E-01	0.11725E+00
0.25970E+04	0.97650E-01	0.45713E+00	0.44639E-01	0.11960E+00
0.25972E+04	0.99630E-01	0.45726E+00	0.45557E-01	0.12206E+00
0.25974E+04	0.10168E+00	0.45739E+00	0.46507E-01	0.12460E+00
0.25976E+04	0.10381E+00	0.45751E+00	0.47496E-01	0.12725E+00
0.25978E+04	0.10602E+00	0.45763E+00	0.48517E-01	0.12999E+00
0.25980E+04	0.10824E+00	0.45775E+00	0.49547E-01	0.13275E+00
0.25982E+04	0.11045E+00	0.45789E+00	0.50574E-01	0.13550E+00
0.25984E+04	0.11267E+00	0.45803E+00	0.51607E-01	0.13827E+00
0.25986E+04	0.11492E+00	0.45817E+00	0.52655E-01	0.14108E+00
0.25988E+04	0.11727E+00	0.45830E+00	0.53742E-01	0.14399E+00
0.25990E+04	0.11971E+00	0.45843E+00	0.54879E-01	0.14704E+00

0.25992E+04	0.12216E+00	0.45854E+00	0.56013E-01	0.15007E+00
0.25994E+04	0.12461E+00	0.45865E+00	0.57151E-01	0.15312E+00
0.25996E+04	0.12713E+00	0.45876E+00	0.58324E-01	0.15627E+00
0.25998E+04	0.12976E+00	0.45886E+00	0.59540E-01	0.15953E+00
0.26000E+04	0.13246E+00	0.45895E+00	0.60791E-01	0.16288E+00
0.26002E+04	0.13523E+00	0.45881E+00	0.62045E-01	0.16624E+00
0.26004E+04	0.13806E+00	0.45867E+00	0.63322E-01	0.16966E+00
0.26006E+04	0.14097E+00	0.45853E+00	0.64638E-01	0.17318E+00
0.26008E+04	0.14401E+00	0.45839E+00	0.66014E-01	0.17687E+00
0.26010E+04	0.14713E+00	0.45824E+00	0.67419E-01	0.18063E+00
0.26012E+04	0.15024E+00	0.45810E+00	0.68825E-01	0.18440E+00
0.26014E+04	0.15336E+00	0.45796E+00	0.70233E-01	0.18818E+00
0.26016E+04	0.15655E+00	0.45782E+00	0.71673E-01	0.19203E+00
0.26018E+04	0.15984E+00	0.45769E+00	0.73159E-01	0.19601E+00
0.26020E+04	0.16322E+00	0.45755E+00	0.74683E-01	0.20010E+00
0.26022E+04	0.16669E+00	0.45746E+00	0.76254E-01	0.20431E+00
0.26024E+04	0.17024E+00	0.45736E+00	0.77863E-01	0.20862E+00
0.26026E+04	0.17388E+00	0.45727E+00	0.79509E-01	0.21303E+00
0.26028E+04	0.17751E+00	0.45718E+00	0.81155E-01	0.21744E+00
0.26030E+04	0.18116E+00	0.45710E+00	0.82809E-01	0.22187E+00
0.26032E+04	0.18487E+00	0.45702E+00	0.84491E-01	0.22637E+00
0.26034E+04	0.18870E+00	0.45695E+00	0.86225E-01	0.23102E+00
0.26036E+04	0.19263E+00	0.45688E+00	0.88011E-01	0.23581E+00
0.26038E+04	0.19665E+00	0.45682E+00	0.89835E-01	0.24069E+00
0.26040E+04	0.20070E+00	0.45675E+00	0.91668E-01	0.24561E+00
0.26042E+04	0.20480E+00	0.45682E+00	0.93555E-01	0.25066E+00
0.26044E+04	0.20899E+00	0.45690E+00	0.95485E-01	0.25583E+00
0.26046E+04	0.21326E+00	0.45698E+00	0.97454E-01	0.26111E+00
0.26048E+04	0.21760E+00	0.45706E+00	0.99455E-01	0.26647E+00
0.26050E+04	0.22202E+00	0.45714E+00	0.10149E+00	0.27193E+00
0.26052E+04	0.22651E+00	0.45717E+00	0.10355E+00	0.27744E+00
0.26054E+04	0.23105E+00	0.45719E+00	0.10563E+00	0.28302E+00
0.26056E+04	0.23565E+00	0.45721E+00	0.10774E+00	0.28867E+00
0.26058E+04	0.24034E+00	0.45722E+00	0.10989E+00	0.29443E+00
0.26060E+04	0.24511E+00	0.45724E+00	0.11208E+00	0.30028E+00
0.26062E+04	0.24995E+00	0.45717E+00	0.11427E+00	0.30617E+00
0.26064E+04	0.25488E+00	0.45711E+00	0.11651E+00	0.31215E+00
0.26066E+04	0.25989E+00	0.45703E+00	0.11878E+00	0.31824E+00
0.26068E+04	0.26499E+00	0.45696E+00	0.12109E+00	0.32443E+00
0.26070E+04	0.27016E+00	0.45688E+00	0.12343E+00	0.33070E+00
0.26072E+04	0.27536E+00	0.45680E+00	0.12579E+00	0.33701E+00
0.26074E+04	0.28064E+00	0.45672E+00	0.12817E+00	0.34341E+00
0.26076E+04	0.28601E+00	0.45664E+00	0.13060E+00	0.34992E+00

0.26078E+04	0.29148E+00	0.45656E+00	0.13308E+00	0.35656E+00
0.26080E+04	0.29704E+00	0.45650E+00	0.13560E+00	0.36330E+00
0.26082E+04	0.30265E+00	0.45652E+00	0.13817E+00	0.37019E+00
0.26084E+04	0.30832E+00	0.45655E+00	0.14076E+00	0.37715E+00
0.26086E+04	0.31407E+00	0.45658E+00	0.14340E+00	0.38421E+00
0.26088E+04	0.31990E+00	0.45662E+00	0.14608E+00	0.39138E+00
0.26090E+04	0.32582E+00	0.45666E+00	0.14879E+00	0.39865E+00
0.26092E+04	0.33184E+00	0.45672E+00	0.15156E+00	0.40606E+00
0.26094E+04	0.33788E+00	0.45677E+00	0.15433E+00	0.41350E+00
0.26096E+04	0.34383E+00	0.45683E+00	0.15707E+00	0.42084E+00
0.26098E+04	0.34979E+00	0.45689E+00	0.15982E+00	0.42819E+00
0.26100E+04	0.35583E+00	0.45696E+00	0.16260E+00	0.43565E+00
0.26102E+04	0.36198E+00	0.45709E+00	0.16546E+00	0.44331E+00
0.26104E+04	0.36822E+00	0.45723E+00	0.16836E+00	0.45109E+00
0.26106E+04	0.37449E+00	0.45736E+00	0.17128E+00	0.45891E+00
0.26108E+04	0.38076E+00	0.45750E+00	0.17420E+00	0.46672E+00
0.26110E+04	0.38709E+00	0.45764E+00	0.17715E+00	0.47463E+00
0.26112E+04	0.39351E+00	0.45777E+00	0.18013E+00	0.48263E+00
0.26114E+04	0.39998E+00	0.45790E+00	0.18315E+00	0.49071E+00
0.26116E+04	0.40652E+00	0.45803E+00	0.18620E+00	0.49888E+00
0.26118E+04	0.41310E+00	0.45815E+00	0.18926E+00	0.50708E+00
0.26120E+04	0.41966E+00	0.45826E+00	0.19231E+00	0.51527E+00
0.26122E+04	0.42627E+00	0.45821E+00	0.19532E+00	0.52332E+00
0.26124E+04	0.43295E+00	0.45816E+00	0.19836E+00	0.53147E+00
0.26126E+04	0.43962E+00	0.45810E+00	0.20139E+00	0.53958E+00
0.26128E+04	0.44625E+00	0.45804E+00	0.20440E+00	0.54765E+00
0.26130E+04	0.45285E+00	0.45797E+00	0.20739E+00	0.55566E+00
0.26132E+04	0.45946E+00	0.45791E+00	0.21039E+00	0.56369E+00
0.26134E+04	0.46611E+00	0.45784E+00	0.21340E+00	0.57176E+00
0.26136E+04	0.47279E+00	0.45777E+00	0.21643E+00	0.57987E+00
0.26138E+04	0.47947E+00	0.45769E+00	0.21945E+00	0.58796E+00
0.26140E+04	0.48618E+00	0.45762E+00	0.22249E+00	0.59610E+00
0.26142E+04	0.49294E+00	0.45754E+00	0.22554E+00	0.60428E+00
0.26144E+04	0.49969E+00	0.45747E+00	0.22859E+00	0.61246E+00
0.26146E+04	0.50640E+00	0.45739E+00	0.23163E+00	0.62059E+00
0.26148E+04	0.51306E+00	0.45732E+00	0.23464E+00	0.62865E+00
0.26150E+04	0.51962E+00	0.45725E+00	0.23760E+00	0.63659E+00
0.26152E+04	0.52612E+00	0.45724E+00	0.24056E+00	0.64453E+00
0.26154E+04	0.53264E+00	0.45723E+00	0.24354E+00	0.65251E+00
0.26156E+04	0.53916E+00	0.45722E+00	0.24652E+00	0.66049E+00
0.26158E+04	0.54563E+00	0.45722E+00	0.24947E+00	0.66840E+00
0.26160E+04	0.55208E+00	0.45721E+00	0.25242E+00	0.67631E+00
0.26162E+04	0.55855E+00	0.45725E+00	0.25540E+00	0.68429E+00

0.26164E+04	0.56499E+00	0.45730E+00	0.25837E+00	0.69224E+00
0.26166E+04	0.57135E+00	0.45734E+00	0.26130E+00	0.70010E+00
0.26168E+04	0.57760E+00	0.45738E+00	0.26418E+00	0.70781E+00
0.26170E+04	0.58375E+00	0.45742E+00	0.26702E+00	0.71542E+00
0.26172E+04	0.58988E+00	0.45745E+00	0.26984E+00	0.72298E+00
0.26174E+04	0.59597E+00	0.45749E+00	0.27265E+00	0.73050E+00
0.26176E+04	0.60197E+00	0.45752E+00	0.27541E+00	0.73790E+00
0.26178E+04	0.60786E+00	0.45755E+00	0.27813E+00	0.74518E+00
0.26180E+04	0.61370E+00	0.45758E+00	0.28081E+00	0.75238E+00
0.26182E+04	0.61946E+00	0.45751E+00	0.28341E+00	0.75933E+00
0.26184E+04	0.62511E+00	0.45743E+00	0.28595E+00	0.76613E+00
0.26186E+04	0.63064E+00	0.45736E+00	0.28843E+00	0.77278E+00
0.26188E+04	0.63607E+00	0.45728E+00	0.29087E+00	0.77931E+00
0.26190E+04	0.64140E+00	0.45721E+00	0.29325E+00	0.78571E+00
0.26192E+04	0.64667E+00	0.45714E+00	0.29562E+00	0.79204E+00
0.26194E+04	0.65191E+00	0.45706E+00	0.29796E+00	0.79833E+00
0.26196E+04	0.65707E+00	0.45699E+00	0.30027E+00	0.80452E+00
0.26198E+04	0.66213E+00	0.45692E+00	0.30254E+00	0.81060E+00
0.26200E+04	0.66711E+00	0.45685E+00	0.30477E+00	0.81657E+00
0.26202E+04	0.67194E+00	0.45669E+00	0.30687E+00	0.82218E+00
0.26204E+04	0.67668E+00	0.45652E+00	0.30891E+00	0.82767E+00
0.26206E+04	0.68136E+00	0.45635E+00	0.31094E+00	0.83309E+00
0.26208E+04	0.68594E+00	0.45618E+00	0.31291E+00	0.83838E+00
0.26210E+04	0.69035E+00	0.45602E+00	0.31481E+00	0.84347E+00
0.26212E+04	0.69466E+00	0.45585E+00	0.31666E+00	0.84842E+00
0.26214E+04	0.69889E+00	0.45569E+00	0.31848E+00	0.85330E+00
0.26216E+04	0.70307E+00	0.45553E+00	0.32027E+00	0.85809E+00
0.26218E+04	0.70710E+00	0.45536E+00	0.32199E+00	0.86270E+00
0.26220E+04	0.71101E+00	0.45520E+00	0.32365E+00	0.86716E+00
0.26222E+04	0.71485E+00	0.45506E+00	0.32530E+00	0.87157E+00
0.26224E+04	0.71856E+00	0.45492E+00	0.32688E+00	0.87582E+00
0.26226E+04	0.72208E+00	0.45478E+00	0.32839E+00	0.87984E+00
0.26228E+04	0.72549E+00	0.45463E+00	0.32983E+00	0.88371E+00
0.26230E+04	0.72883E+00	0.45449E+00	0.33124E+00	0.88750E+00
0.26232E+04	0.73209E+00	0.45434E+00	0.33262E+00	0.89118E+00
0.26234E+04	0.73524E+00	0.45420E+00	0.33394E+00	0.89472E+00
0.26236E+04	0.73819E+00	0.45405E+00	0.33518E+00	0.89803E+00
0.26238E+04	0.74101E+00	0.45391E+00	0.33635E+00	0.90117E+00
0.26240E+04	0.74375E+00	0.45377E+00	0.33749E+00	0.90424E+00
0.26242E+04	0.74645E+00	0.45371E+00	0.33867E+00	0.90740E+00
0.26244E+04	0.74905E+00	0.45365E+00	0.33980E+00	0.91043E+00
0.26246E+04	0.75153E+00	0.45359E+00	0.34088E+00	0.91332E+00
0.26248E+04	0.75387E+00	0.45353E+00	0.34190E+00	0.91605E+00

0.26250E+04	0.75608E+00	0.45347E+00	0.34286E+00	0.91861E+00
0.26252E+04	0.75818E+00	0.45342E+00	0.34378E+00	0.92107E+00
0.26254E+04	0.76021E+00	0.45338E+00	0.34466E+00	0.92345E+00
0.26256E+04	0.76221E+00	0.45333E+00	0.34553E+00	0.92577E+00
0.26258E+04	0.76412E+00	0.45329E+00	0.34636E+00	0.92801E+00
0.26260E+04	0.76592E+00	0.45324E+00	0.34715E+00	0.93011E+00
0.26262E+04	0.76764E+00	0.45321E+00	0.34790E+00	0.93213E+00
0.26264E+04	0.76928E+00	0.45318E+00	0.34862E+00	0.93406E+00
0.26266E+04	0.77083E+00	0.45315E+00	0.34930E+00	0.93588E+00
0.26268E+04	0.77231E+00	0.45312E+00	0.34995E+00	0.93760E+00
0.26270E+04	0.77371E+00	0.45309E+00	0.35056E+00	0.93924E+00
0.26272E+04	0.77504E+00	0.45305E+00	0.35113E+00	0.94077E+00
0.26274E+04	0.77631E+00	0.45301E+00	0.35167E+00	0.94223E+00
0.26276E+04	0.77751E+00	0.45296E+00	0.35218E+00	0.94360E+00
0.26278E+04	0.77861E+00	0.45292E+00	0.35265E+00	0.94485E+00
0.26280E+04	0.77965E+00	0.45286E+00	0.35308E+00	0.94599E+00
0.26282E+04	0.78061E+00	0.45271E+00	0.35339E+00	0.94682E+00
0.26284E+04	0.78150E+00	0.45255E+00	0.35367E+00	0.94758E+00
0.26286E+04	0.78241E+00	0.45239E+00	0.35395E+00	0.94834E+00
0.26288E+04	0.78328E+00	0.45223E+00	0.35422E+00	0.94906E+00
0.26290E+04	0.78409E+00	0.45206E+00	0.35446E+00	0.94970E+00
0.26292E+04	0.78476E+00	0.45190E+00	0.35463E+00	0.95015E+00
0.26294E+04	0.78524E+00	0.45173E+00	0.35472E+00	0.95039E+00
0.26296E+04	0.78565E+00	0.45156E+00	0.35477E+00	0.95052E+00
0.26298E+04	0.78607E+00	0.45139E+00	0.35482E+00	0.95067E+00
0.26300E+04	0.78645E+00	0.45122E+00	0.35486E+00	0.95078E+00
0.26302E+04	0.78671E+00	0.45115E+00	0.35493E+00	0.95095E+00
0.26304E+04	0.78693E+00	0.45109E+00	0.35498E+00	0.95108E+00
0.26306E+04	0.78717E+00	0.45102E+00	0.35503E+00	0.95122E+00
0.26308E+04	0.78744E+00	0.45095E+00	0.35510E+00	0.95141E+00
0.26310E+04	0.78768E+00	0.45089E+00	0.35516E+00	0.95156E+00
0.26312E+04	0.78785E+00	0.45083E+00	0.35519E+00	0.95165E+00
0.26314E+04	0.78801E+00	0.45077E+00	0.35521E+00	0.95172E+00
0.26316E+04	0.78815E+00	0.45072E+00	0.35523E+00	0.95177E+00
0.26318E+04	0.78823E+00	0.45067E+00	0.35523E+00	0.95176E+00
0.26320E+04	0.78824E+00	0.45062E+00	0.35519E+00	0.95167E+00
0.26322E+04	0.78826E+00	0.45060E+00	0.35519E+00	0.95166E+00
0.26324E+04	0.78827E+00	0.45059E+00	0.35519E+00	0.95164E+00
0.26326E+04	0.78825E+00	0.45058E+00	0.35517E+00	0.95160E+00
0.26328E+04	0.78821E+00	0.45058E+00	0.35515E+00	0.95155E+00
0.26330E+04	0.78812E+00	0.45058E+00	0.35511E+00	0.95144E+00
0.26332E+04	0.78802E+00	0.45060E+00	0.35508E+00	0.95136E+00
0.26334E+04	0.78791E+00	0.45062E+00	0.35505E+00	0.95127E+00

0.26336E+04	0.78781E+00	0.45065E+00	0.35502E+00	0.95120E+00
0.26338E+04	0.78769E+00	0.45068E+00	0.35500E+00	0.95114E+00
0.26340E+04	0.78756E+00	0.45072E+00	0.35497E+00	0.95106E+00
0.26342E+04	0.78739E+00	0.45079E+00	0.35495E+00	0.95102E+00
0.26344E+04	0.78719E+00	0.45087E+00	0.35492E+00	0.95093E+00
0.26346E+04	0.78698E+00	0.45095E+00	0.35489E+00	0.95085E+00
0.26348E+04	0.78680E+00	0.45104E+00	0.35488E+00	0.95082E+00
0.26350E+04	0.78663E+00	0.45113E+00	0.35487E+00	0.95079E+00
0.26352E+04	0.78643E+00	0.45117E+00	0.35482E+00	0.95066E+00
0.26354E+04	0.78626E+00	0.45122E+00	0.35477E+00	0.95054E+00
0.26356E+04	0.78612E+00	0.45127E+00	0.35475E+00	0.95047E+00
0.26358E+04	0.78598E+00	0.45131E+00	0.35472E+00	0.95039E+00
0.26360E+04	0.78582E+00	0.45135E+00	0.35468E+00	0.95029E+00
0.26362E+04	0.78565E+00	0.45144E+00	0.35467E+00	0.95026E+00
0.26364E+04	0.78549E+00	0.45153E+00	0.35467E+00	0.95026E+00
0.26366E+04	0.78530E+00	0.45161E+00	0.35465E+00	0.95021E+00
0.26368E+04	0.78507E+00	0.45169E+00	0.35461E+00	0.95009E+00
0.26370E+04	0.78481E+00	0.45176E+00	0.35455E+00	0.94994E+00
0.26372E+04	0.78460E+00	0.45182E+00	0.35450E+00	0.94981E+00
0.26374E+04	0.78444E+00	0.45188E+00	0.35447E+00	0.94974E+00
0.26376E+04	0.78426E+00	0.45193E+00	0.35443E+00	0.94963E+00
0.26378E+04	0.78412E+00	0.45198E+00	0.35440E+00	0.94955E+00
0.26380E+04	0.78401E+00	0.45200E+00	0.35437E+00	0.94946E+00
0.26382E+04	0.78388E+00	0.45187E+00	0.35421E+00	0.94903E+00
0.26384E+04	0.78370E+00	0.45174E+00	0.35402E+00	0.94853E+00
0.26386E+04	0.78351E+00	0.45160E+00	0.35384E+00	0.94802E+00
0.26388E+04	0.78335E+00	0.45146E+00	0.35366E+00	0.94754E+00
0.26390E+04	0.78324E+00	0.45133E+00	0.35349E+00	0.94711E+00
0.26392E+04	0.78320E+00	0.45119E+00	0.35337E+00	0.94677E+00
0.26394E+04	0.78319E+00	0.45105E+00	0.35326E+00	0.94648E+00
0.26396E+04	0.78317E+00	0.45091E+00	0.35314E+00	0.94616E+00
0.26398E+04	0.78314E+00	0.45078E+00	0.35302E+00	0.94584E+00
0.26400E+04	0.78312E+00	0.45064E+00	0.35290E+00	0.94553E+00
0.26402E+04	0.78308E+00	0.45066E+00	0.35290E+00	0.94553E+00
0.26404E+04	0.78311E+00	0.45068E+00	0.35293E+00	0.94559E+00
0.26406E+04	0.78316E+00	0.45069E+00	0.35297E+00	0.94570E+00
0.26408E+04	0.78318E+00	0.45071E+00	0.35299E+00	0.94576E+00
0.26410E+04	0.78316E+00	0.45073E+00	0.35300E+00	0.94578E+00
0.26412E+04	0.78316E+00	0.45076E+00	0.35302E+00	0.94583E+00
0.26414E+04	0.78319E+00	0.45078E+00	0.35305E+00	0.94591E+00
0.26416E+04	0.78322E+00	0.45080E+00	0.35308E+00	0.94599E+00
0.26418E+04	0.78324E+00	0.45083E+00	0.35311E+00	0.94608E+00
0.26420E+04	0.78333E+00	0.45085E+00	0.35316E+00	0.94623E+00

0.26422E+04	0.78343E+00	0.45098E+00	0.35331E+00	0.94662E+00
0.26424E+04	0.78354E+00	0.45111E+00	0.35346E+00	0.94702E+00
0.26426E+04	0.78368E+00	0.45124E+00	0.35363E+00	0.94747E+00
0.26428E+04	0.78384E+00	0.45138E+00	0.35381E+00	0.94796E+00
0.26430E+04	0.78396E+00	0.45151E+00	0.35397E+00	0.94838E+00
0.26432E+04	0.78404E+00	0.45165E+00	0.35412E+00	0.94877E+00
0.26434E+04	0.78418E+00	0.45179E+00	0.35429E+00	0.94924E+00
0.26436E+04	0.78437E+00	0.45194E+00	0.35449E+00	0.94977E+00
0.26438E+04	0.78457E+00	0.45209E+00	0.35470E+00	0.95033E+00
0.26440E+04	0.78472E+00	0.45224E+00	0.35488E+00	0.95082E+00
0.26442E+04	0.78482E+00	0.45233E+00	0.35500E+00	0.95114E+00
0.26444E+04	0.78497E+00	0.45242E+00	0.35513E+00	0.95151E+00
0.26446E+04	0.78519E+00	0.45251E+00	0.35530E+00	0.95196E+00
0.26448E+04	0.78544E+00	0.45260E+00	0.35549E+00	0.95245E+00
0.26450E+04	0.78567E+00	0.45269E+00	0.35566E+00	0.95292E+00
0.26452E+04	0.78594E+00	0.45281E+00	0.35588E+00	0.95350E+00
0.26454E+04	0.78626E+00	0.45292E+00	0.35612E+00	0.95413E+00
0.26456E+04	0.78661E+00	0.45304E+00	0.35637E+00	0.95481E+00
0.26458E+04	0.78692E+00	0.45316E+00	0.35660E+00	0.95543E+00
0.26460E+04	0.78719E+00	0.45327E+00	0.35681E+00	0.95600E+00
0.26462E+04	0.78748E+00	0.45330E+00	0.35696E+00	0.95640E+00
0.26464E+04	0.78779E+00	0.45332E+00	0.35712E+00	0.95683E+00
0.26466E+04	0.78810E+00	0.45334E+00	0.35728E+00	0.95725E+00
0.26468E+04	0.78840E+00	0.45336E+00	0.35742E+00	0.95764E+00
0.26470E+04	0.78871E+00	0.45337E+00	0.35758E+00	0.95806E+00
0.26472E+04	0.78904E+00	0.45338E+00	0.35773E+00	0.95847E+00
0.26474E+04	0.78938E+00	0.45338E+00	0.35789E+00	0.95889E+00
0.26476E+04	0.78973E+00	0.45339E+00	0.35805E+00	0.95933E+00
0.26478E+04	0.79011E+00	0.45339E+00	0.35823E+00	0.95979E+00
0.26480E+04	0.79052E+00	0.45339E+00	0.35841E+00	0.96028E+00
0.26482E+04	0.79094E+00	0.45339E+00	0.35860E+00	0.96080E+00
0.26484E+04	0.79140E+00	0.45339E+00	0.35881E+00	0.96135E+00
0.26486E+04	0.79181E+00	0.45339E+00	0.35899E+00	0.96185E+00
0.26488E+04	0.79218E+00	0.45339E+00	0.35917E+00	0.96231E+00
0.26490E+04	0.79255E+00	0.45339E+00	0.35933E+00	0.96276E+00
0.26492E+04	0.79293E+00	0.45340E+00	0.35952E+00	0.96324E+00
0.26494E+04	0.79332E+00	0.45341E+00	0.35970E+00	0.96374E+00
0.26496E+04	0.79372E+00	0.45342E+00	0.35989E+00	0.96425E+00
0.26498E+04	0.79408E+00	0.45344E+00	0.36007E+00	0.96472E+00
0.26500E+04	0.79449E+00	0.45346E+00	0.36027E+00	0.96525E+00
0.26502E+04	0.79498E+00	0.45346E+00	0.36049E+00	0.96587E+00
0.26504E+04	0.79550E+00	0.45347E+00	0.36073E+00	0.96651E+00
0.26506E+04	0.79601E+00	0.45347E+00	0.36097E+00	0.96714E+00

0.26508E+04	0.79652E+00	0.45348E+00	0.36120E+00	0.96777E+00
0.26510E+04	0.79703E+00	0.45349E+00	0.36144E+00	0.96840E+00
0.26512E+04	0.79759E+00	0.45349E+00	0.36170E+00	0.96910E+00
0.26514E+04	0.79816E+00	0.45349E+00	0.36196E+00	0.96980E+00
0.26516E+04	0.79865E+00	0.45349E+00	0.36218E+00	0.97039E+00
0.26518E+04	0.79914E+00	0.45349E+00	0.36240E+00	0.97098E+00
0.26520E+04	0.79966E+00	0.45349E+00	0.36263E+00	0.97160E+00
0.26522E+04	0.80019E+00	0.45352E+00	0.36290E+00	0.97232E+00
0.26524E+04	0.80074E+00	0.45357E+00	0.36319E+00	0.97310E+00
0.26526E+04	0.80130E+00	0.45361E+00	0.36348E+00	0.97386E+00
0.26528E+04	0.80176E+00	0.45365E+00	0.36371E+00	0.97449E+00
0.26530E+04	0.80215E+00	0.45368E+00	0.36392E+00	0.97504E+00
0.26532E+04	0.80255E+00	0.45370E+00	0.36412E+00	0.97558E+00
0.26534E+04	0.80297E+00	0.45372E+00	0.36433E+00	0.97614E+00
0.26536E+04	0.80343E+00	0.45374E+00	0.36455E+00	0.97673E+00
0.26538E+04	0.80388E+00	0.45376E+00	0.36476E+00	0.97731E+00
0.26540E+04	0.80429E+00	0.45377E+00	0.36496E+00	0.97784E+00
0.26542E+04	0.80473E+00	0.45381E+00	0.36519E+00	0.97846E+00
0.26544E+04	0.80521E+00	0.45385E+00	0.36544E+00	0.97912E+00
0.26546E+04	0.80573E+00	0.45388E+00	0.36571E+00	0.97984E+00
0.26548E+04	0.80625E+00	0.45392E+00	0.36597E+00	0.98055E+00
0.26550E+04	0.80669E+00	0.45396E+00	0.36621E+00	0.98118E+00
0.26552E+04	0.80713E+00	0.45400E+00	0.36644E+00	0.98178E+00
0.26554E+04	0.80764E+00	0.45403E+00	0.36669E+00	0.98247E+00
0.26556E+04	0.80812E+00	0.45406E+00	0.36694E+00	0.98313E+00
0.26558E+04	0.80848E+00	0.45411E+00	0.36714E+00	0.98367E+00
0.26560E+04	0.80884E+00	0.45416E+00	0.36734E+00	0.98421E+00
0.26562E+04	0.80921E+00	0.45429E+00	0.36762E+00	0.98495E+00
0.26564E+04	0.80960E+00	0.45442E+00	0.36790E+00	0.98570E+00
0.26566E+04	0.80993E+00	0.45456E+00	0.36816E+00	0.98640E+00
0.26568E+04	0.81020E+00	0.45469E+00	0.36839E+00	0.98702E+00
0.26570E+04	0.81050E+00	0.45483E+00	0.36864E+00	0.98770E+00
0.26572E+04	0.81085E+00	0.45498E+00	0.36892E+00	0.98844E+00
0.26574E+04	0.81118E+00	0.45513E+00	0.36920E+00	0.98918E+00
0.26576E+04	0.81148E+00	0.45528E+00	0.36946E+00	0.98988E+00
0.26578E+04	0.81175E+00	0.45544E+00	0.36970E+00	0.99054E+00
0.26580E+04	0.81199E+00	0.45559E+00	0.36994E+00	0.99117E+00
0.26582E+04	0.81220E+00	0.45576E+00	0.37017E+00	0.99178E+00
0.26584E+04	0.81241E+00	0.45592E+00	0.37040E+00	0.99239E+00
0.26586E+04	0.81265E+00	0.45609E+00	0.37064E+00	0.99305E+00
0.26588E+04	0.81292E+00	0.45626E+00	0.37090E+00	0.99375E+00
0.26590E+04	0.81317E+00	0.45643E+00	0.37115E+00	0.99442E+00
0.26592E+04	0.81340E+00	0.45660E+00	0.37140E+00	0.99509E+00

0.26594E+04	0.81361E+00	0.45678E+00	0.37164E+00	0.99572E+00
0.26596E+04	0.81376E+00	0.45695E+00	0.37185E+00	0.99629E+00
0.26598E+04	0.81387E+00	0.45714E+00	0.37205E+00	0.99683E+00
0.26600E+04	0.81396E+00	0.45732E+00	0.37224E+00	0.99733E+00
0.26602E+04	0.81403E+00	0.45739E+00	0.37233E+00	0.99757E+00
0.26604E+04	0.81411E+00	0.45746E+00	0.37243E+00	0.99784E+00
0.26606E+04	0.81416E+00	0.45754E+00	0.37251E+00	0.99805E+00
0.26608E+04	0.81414E+00	0.45761E+00	0.37256E+00	0.99819E+00
0.26610E+04	0.81414E+00	0.45769E+00	0.37262E+00	0.99835E+00
0.26612E+04	0.81415E+00	0.45776E+00	0.37268E+00	0.99853E+00
0.26614E+04	0.81416E+00	0.45783E+00	0.37275E+00	0.99869E+00
0.26616E+04	0.81415E+00	0.45790E+00	0.37279E+00	0.99882E+00
0.26618E+04	0.81409E+00	0.45796E+00	0.37282E+00	0.99889E+00
0.26620E+04	0.81401E+00	0.45804E+00	0.37285E+00	0.99896E+00
0.26622E+04	0.81390E+00	0.45820E+00	0.37292E+00	0.99917E+00
0.26624E+04	0.81375E+00	0.45836E+00	0.37299E+00	0.99934E+00
0.26626E+04	0.81364E+00	0.45851E+00	0.37306E+00	0.99954E+00
0.26628E+04	0.81353E+00	0.45866E+00	0.37313E+00	0.99973E+00
0.26630E+04	0.81336E+00	0.45881E+00	0.37318E+00	0.99985E+00
0.26632E+04	0.81316E+00	0.45896E+00	0.37321E+00	0.99993E+00
0.26634E+04	0.81297E+00	0.45910E+00	0.37323E+00	0.10000E+01
0.26636E+04	0.81270E+00	0.45924E+00	0.37322E+00	0.99997E+00
0.26638E+04	0.81234E+00	0.45938E+00	0.37317E+00	0.99983E+00
0.26640E+04	0.81196E+00	0.45951E+00	0.37310E+00	0.99965E+00
0.26642E+04	0.81166E+00	0.45960E+00	0.37303E+00	0.99946E+00
0.26644E+04	0.81144E+00	0.45968E+00	0.37301E+00	0.99940E+00
0.26646E+04	0.81121E+00	0.45977E+00	0.37297E+00	0.99930E+00
0.26648E+04	0.81091E+00	0.45986E+00	0.37290E+00	0.99911E+00
0.26650E+04	0.81060E+00	0.45994E+00	0.37283E+00	0.99892E+00
0.26652E+04	0.81031E+00	0.46004E+00	0.37278E+00	0.99878E+00
0.26654E+04	0.81002E+00	0.46014E+00	0.37272E+00	0.99863E+00
0.26656E+04	0.80971E+00	0.46023E+00	0.37266E+00	0.99845E+00
0.26658E+04	0.80934E+00	0.46033E+00	0.37256E+00	0.99820E+00
0.26660E+04	0.80895E+00	0.46042E+00	0.37246E+00	0.99793E+00
0.26662E+04	0.80858E+00	0.46046E+00	0.37232E+00	0.99755E+00
0.26664E+04	0.80819E+00	0.46049E+00	0.37216E+00	0.99712E+00
0.26666E+04	0.80774E+00	0.46051E+00	0.37197E+00	0.99662E+00
0.26668E+04	0.80728E+00	0.46054E+00	0.37178E+00	0.99610E+00
0.26670E+04	0.80680E+00	0.46056E+00	0.37158E+00	0.99557E+00
0.26672E+04	0.80632E+00	0.46058E+00	0.37138E+00	0.99503E+00
0.26674E+04	0.80582E+00	0.46060E+00	0.37116E+00	0.99445E+00
0.26676E+04	0.80528E+00	0.46063E+00	0.37094E+00	0.99384E+00
0.26678E+04	0.80476E+00	0.46065E+00	0.37071E+00	0.99324E+00

0.26680E+04	0.80423E+00	0.46067E+00	0.37048E+00	0.99262E+00
0.26682E+04	0.80363E+00	0.46068E+00	0.37022E+00	0.99192E+00
0.26684E+04	0.80301E+00	0.46069E+00	0.36994E+00	0.99118E+00
0.26686E+04	0.80240E+00	0.46071E+00	0.36967E+00	0.99045E+00
0.26688E+04	0.80185E+00	0.46072E+00	0.36943E+00	0.98980E+00
0.26690E+04	0.80136E+00	0.46074E+00	0.36922E+00	0.98923E+00
0.26692E+04	0.80082E+00	0.46076E+00	0.36899E+00	0.98862E+00
0.26694E+04	0.80020E+00	0.46078E+00	0.36872E+00	0.98789E+00
0.26696E+04	0.79957E+00	0.46080E+00	0.36845E+00	0.98717E+00
0.26698E+04	0.79898E+00	0.46083E+00	0.36819E+00	0.98649E+00
0.26700E+04	0.79843E+00	0.46085E+00	0.36796E+00	0.98586E+00
0.26702E+04	0.79782E+00	0.46087E+00	0.36769E+00	0.98515E+00
0.26704E+04	0.79713E+00	0.46089E+00	0.36739E+00	0.98434E+00
0.26706E+04	0.79647E+00	0.46090E+00	0.36709E+00	0.98355E+00
0.26708E+04	0.79585E+00	0.46092E+00	0.36682E+00	0.98282E+00
0.26710E+04	0.79521E+00	0.46093E+00	0.36654E+00	0.98206E+00
0.26712E+04	0.79453E+00	0.46094E+00	0.36624E+00	0.98125E+00
0.26714E+04	0.79381E+00	0.46095E+00	0.36591E+00	0.98037E+00
0.26716E+04	0.79304E+00	0.46096E+00	0.36556E+00	0.97944E+00
0.26718E+04	0.79231E+00	0.46096E+00	0.36523E+00	0.97854E+00
0.26720E+04	0.79155E+00	0.46097E+00	0.36488E+00	0.97761E+00
0.26722E+04	0.79075E+00	0.46101E+00	0.36454E+00	0.97671E+00
0.26724E+04	0.78996E+00	0.46105E+00	0.36421E+00	0.97583E+00
0.26726E+04	0.78912E+00	0.46110E+00	0.36386E+00	0.97488E+00
0.26728E+04	0.78818E+00	0.46114E+00	0.36346E+00	0.97381E+00
0.26730E+04	0.78726E+00	0.46118E+00	0.36307E+00	0.97276E+00
0.26732E+04	0.78638E+00	0.46121E+00	0.36269E+00	0.97174E+00
0.26734E+04	0.78550E+00	0.46125E+00	0.36231E+00	0.97074E+00
0.26736E+04	0.78461E+00	0.46129E+00	0.36193E+00	0.96972E+00
0.26738E+04	0.78368E+00	0.46133E+00	0.36154E+00	0.96866E+00
0.26740E+04	0.78276E+00	0.46138E+00	0.36115E+00	0.96762E+00
0.26742E+04	0.78190E+00	0.46136E+00	0.36074E+00	0.96653E+00
0.26744E+04	0.78098E+00	0.46135E+00	0.36031E+00	0.96536E+00
0.26746E+04	0.78005E+00	0.46134E+00	0.35987E+00	0.96419E+00
0.26748E+04	0.77913E+00	0.46134E+00	0.35944E+00	0.96304E+00
0.26750E+04	0.77822E+00	0.46134E+00	0.35902E+00	0.96192E+00
0.26752E+04	0.77736E+00	0.46134E+00	0.35862E+00	0.96085E+00
0.26754E+04	0.77644E+00	0.46134E+00	0.35820E+00	0.95973E+00
0.26756E+04	0.77545E+00	0.46134E+00	0.35775E+00	0.95851E+00
0.26758E+04	0.77448E+00	0.46135E+00	0.35731E+00	0.95733E+00
0.26760E+04	0.77353E+00	0.46136E+00	0.35688E+00	0.95617E+00
0.26762E+04	0.77254E+00	0.46132E+00	0.35639E+00	0.95487E+00
0.26764E+04	0.77156E+00	0.46128E+00	0.35590E+00	0.95357E+00

0.26766E+04	0.77060E+00	0.46123E+00	0.35543E+00	0.95229E+00
0.26768E+04	0.76968E+00	0.46118E+00	0.35496E+00	0.95105E+00
0.26770E+04	0.76882E+00	0.46114E+00	0.35453E+00	0.94990E+00
0.26772E+04	0.76797E+00	0.46109E+00	0.35410E+00	0.94874E+00
0.26774E+04	0.76709E+00	0.46104E+00	0.35366E+00	0.94755E+00
0.26776E+04	0.76617E+00	0.46098E+00	0.35319E+00	0.94629E+00
0.26778E+04	0.76521E+00	0.46092E+00	0.35270E+00	0.94498E+00
0.26780E+04	0.76429E+00	0.46086E+00	0.35223E+00	0.94372E+00
0.26782E+04	0.76342E+00	0.46090E+00	0.35186E+00	0.94274E+00
0.26784E+04	0.76256E+00	0.46096E+00	0.35151E+00	0.94179E+00
0.26786E+04	0.76174E+00	0.46101E+00	0.35117E+00	0.94089E+00
0.26788E+04	0.76093E+00	0.46106E+00	0.35084E+00	0.93999E+00
0.26790E+04	0.76009E+00	0.46111E+00	0.35048E+00	0.93904E+00
0.26792E+04	0.75929E+00	0.46115E+00	0.35015E+00	0.93814E+00
0.26794E+04	0.75853E+00	0.46119E+00	0.34983E+00	0.93728E+00
0.26796E+04	0.75776E+00	0.46123E+00	0.34950E+00	0.93642E+00
0.26798E+04	0.75702E+00	0.46127E+00	0.34919E+00	0.93558E+00
0.26800E+04	0.75630E+00	0.46131E+00	0.34888E+00	0.93476E+00
0.26802E+04	0.75561E+00	0.46124E+00	0.34851E+00	0.93377E+00
0.26804E+04	0.75495E+00	0.46117E+00	0.34816E+00	0.93283E+00
0.26806E+04	0.75430E+00	0.46111E+00	0.34781E+00	0.93189E+00
0.26808E+04	0.75366E+00	0.46104E+00	0.34747E+00	0.93097E+00
0.26810E+04	0.75306E+00	0.46098E+00	0.34715E+00	0.93010E+00
0.26812E+04	0.75246E+00	0.46091E+00	0.34682E+00	0.92923E+00
0.26814E+04	0.75185E+00	0.46085E+00	0.34649E+00	0.92834E+00
0.26816E+04	0.75122E+00	0.46079E+00	0.34616E+00	0.92745E+00
0.26818E+04	0.75061E+00	0.46073E+00	0.34583E+00	0.92658E+00
0.26820E+04	0.75007E+00	0.46067E+00	0.34553E+00	0.92577E+00
0.26822E+04	0.74952E+00	0.46056E+00	0.34519E+00	0.92488E+00
0.26824E+04	0.74896E+00	0.46045E+00	0.34486E+00	0.92397E+00
0.26826E+04	0.74848E+00	0.46034E+00	0.34455E+00	0.92315E+00
0.26828E+04	0.74799E+00	0.46023E+00	0.34425E+00	0.92234E+00
0.26830E+04	0.74743E+00	0.46013E+00	0.34391E+00	0.92144E+00
0.26832E+04	0.74687E+00	0.46003E+00	0.34358E+00	0.92056E+00
0.26834E+04	0.74634E+00	0.45993E+00	0.34326E+00	0.91970E+00
0.26836E+04	0.74582E+00	0.45983E+00	0.34295E+00	0.91886E+00
0.26838E+04	0.74532E+00	0.45974E+00	0.34265E+00	0.91806E+00
0.26840E+04	0.74485E+00	0.45965E+00	0.34237E+00	0.91730E+00
0.26842E+04	0.74442E+00	0.45965E+00	0.34217E+00	0.91677E+00
0.26844E+04	0.74402E+00	0.45965E+00	0.34199E+00	0.91628E+00
0.26846E+04	0.74359E+00	0.45965E+00	0.34179E+00	0.91575E+00
0.26848E+04	0.74313E+00	0.45965E+00	0.34158E+00	0.91519E+00
0.26850E+04	0.74270E+00	0.45965E+00	0.34139E+00	0.91467E+00

0.26852E+04	0.74230E+00	0.45967E+00	0.34121E+00	0.91421E+00
0.26854E+04	0.74197E+00	0.45968E+00	0.34107E+00	0.91382E+00
0.26856E+04	0.74170E+00	0.45969E+00	0.34095E+00	0.91351E+00
0.26858E+04	0.74145E+00	0.45970E+00	0.34084E+00	0.91322E+00
0.26860E+04	0.74117E+00	0.45971E+00	0.34072E+00	0.91289E+00
0.26862E+04	0.74089E+00	0.45970E+00	0.34058E+00	0.91252E+00
0.26864E+04	0.74063E+00	0.45968E+00	0.34046E+00	0.91218E+00
0.26866E+04	0.74035E+00	0.45967E+00	0.34031E+00	0.91179E+00
0.26868E+04	0.74000E+00	0.45964E+00	0.34013E+00	0.91131E+00
0.26870E+04	0.73965E+00	0.45961E+00	0.33995E+00	0.91083E+00
0.26872E+04	0.73938E+00	0.45958E+00	0.33980E+00	0.91043E+00
0.26874E+04	0.73915E+00	0.45954E+00	0.33967E+00	0.91008E+00
0.26876E+04	0.73897E+00	0.45950E+00	0.33956E+00	0.90978E+00
0.26878E+04	0.73882E+00	0.45946E+00	0.33946E+00	0.90950E+00
0.26880E+04	0.73864E+00	0.45941E+00	0.33934E+00	0.90919E+00
0.26882E+04	0.73843E+00	0.45935E+00	0.33919E+00	0.90880E+00
0.26884E+04	0.73826E+00	0.45928E+00	0.33906E+00	0.90845E+00
0.26886E+04	0.73813E+00	0.45921E+00	0.33896E+00	0.90816E+00
0.26888E+04	0.73805E+00	0.45914E+00	0.33887E+00	0.90793E+00
0.26890E+04	0.73796E+00	0.45908E+00	0.33878E+00	0.90769E+00
0.26892E+04	0.73781E+00	0.45902E+00	0.33867E+00	0.90738E+00
0.26894E+04	0.73769E+00	0.45896E+00	0.33857E+00	0.90713E+00
0.26896E+04	0.73767E+00	0.45890E+00	0.33852E+00	0.90699E+00
0.26898E+04	0.73765E+00	0.45885E+00	0.33847E+00	0.90687E+00
0.26900E+04	0.73758E+00	0.45880E+00	0.33840E+00	0.90668E+00
0.26902E+04	0.73747E+00	0.45872E+00	0.33829E+00	0.90638E+00
0.26904E+04	0.73736E+00	0.45864E+00	0.33818E+00	0.90608E+00
0.26906E+04	0.73731E+00	0.45856E+00	0.33810E+00	0.90586E+00
0.26908E+04	0.73728E+00	0.45848E+00	0.33803E+00	0.90567E+00
0.26910E+04	0.73728E+00	0.45840E+00	0.33797E+00	0.90552E+00
0.26912E+04	0.73734E+00	0.45832E+00	0.33794E+00	0.90543E+00
0.26914E+04	0.73740E+00	0.45824E+00	0.33791E+00	0.90535E+00
0.26916E+04	0.73742E+00	0.45816E+00	0.33786E+00	0.90522E+00
0.26918E+04	0.73744E+00	0.45808E+00	0.33780E+00	0.90507E+00
0.26920E+04	0.73746E+00	0.45799E+00	0.33775E+00	0.90493E+00
0.26922E+04	0.73748E+00	0.45790E+00	0.33770E+00	0.90479E+00
0.26924E+04	0.73749E+00	0.45782E+00	0.33763E+00	0.90462E+00
0.26926E+04	0.73748E+00	0.45773E+00	0.33756E+00	0.90443E+00
0.26928E+04	0.73751E+00	0.45763E+00	0.33750E+00	0.90427E+00
0.26930E+04	0.73755E+00	0.45753E+00	0.33745E+00	0.90413E+00
0.26932E+04	0.73754E+00	0.45743E+00	0.33737E+00	0.90391E+00
0.26934E+04	0.73749E+00	0.45732E+00	0.33727E+00	0.90364E+00
0.26936E+04	0.73745E+00	0.45721E+00	0.33717E+00	0.90337E+00

0.26938E+04	0.73744E+00	0.45710E+00	0.33708E+00	0.90314E+00
0.26940E+04	0.73742E+00	0.45700E+00	0.33700E+00	0.90292E+00
0.26942E+04	0.73736E+00	0.45691E+00	0.33691E+00	0.90267E+00
0.26944E+04	0.73723E+00	0.45683E+00	0.33679E+00	0.90235E+00
0.26946E+04	0.73711E+00	0.45675E+00	0.33668E+00	0.90205E+00
0.26948E+04	0.73698E+00	0.45668E+00	0.33656E+00	0.90175E+00
0.26950E+04	0.73682E+00	0.45661E+00	0.33644E+00	0.90141E+00
0.26952E+04	0.73663E+00	0.45655E+00	0.33631E+00	0.90106E+00
0.26954E+04	0.73640E+00	0.45649E+00	0.33615E+00	0.90065E+00
0.26956E+04	0.73614E+00	0.45643E+00	0.33600E+00	0.90023E+00
0.26958E+04	0.73584E+00	0.45638E+00	0.33582E+00	0.89977E+00
0.26960E+04	0.73550E+00	0.45633E+00	0.33563E+00	0.89926E+00
0.26962E+04	0.73519E+00	0.45621E+00	0.33540E+00	0.89864E+00
0.26964E+04	0.73485E+00	0.45609E+00	0.33516E+00	0.89798E+00
0.26966E+04	0.73446E+00	0.45597E+00	0.33489E+00	0.89726E+00
0.26968E+04	0.73402E+00	0.45585E+00	0.33460E+00	0.89649E+00
0.26970E+04	0.73354E+00	0.45573E+00	0.33430E+00	0.89568E+00
0.26972E+04	0.73303E+00	0.45561E+00	0.33398E+00	0.89482E+00
0.26974E+04	0.73245E+00	0.45549E+00	0.33363E+00	0.89389E+00
0.26976E+04	0.73180E+00	0.45537E+00	0.33324E+00	0.89285E+00
0.26978E+04	0.73108E+00	0.45525E+00	0.33282E+00	0.89173E+00
0.26980E+04	0.73030E+00	0.45513E+00	0.33238E+00	0.89054E+00
0.26982E+04	0.72942E+00	0.45497E+00	0.33187E+00	0.88917E+00
0.26984E+04	0.72852E+00	0.45482E+00	0.33135E+00	0.88777E+00
0.26986E+04	0.72765E+00	0.45466E+00	0.33083E+00	0.88639E+00
0.26988E+04	0.72673E+00	0.45449E+00	0.33029E+00	0.88494E+00
0.26990E+04	0.72570E+00	0.45432E+00	0.32970E+00	0.88337E+00
0.26992E+04	0.72456E+00	0.45415E+00	0.32906E+00	0.88165E+00
0.26994E+04	0.72330E+00	0.45398E+00	0.32836E+00	0.87978E+00
0.26996E+04	0.72197E+00	0.45381E+00	0.32764E+00	0.87783E+00
0.26998E+04	0.72061E+00	0.45363E+00	0.32689E+00	0.87583E+00
0.27000E+04	0.71917E+00	0.45346E+00	0.32611E+00	0.87374E+00
0.27002E+04	0.71765E+00	0.45339E+00	0.32538E+00	0.87177E+00
0.27004E+04	0.71605E+00	0.45332E+00	0.32460E+00	0.86970E+00
0.27006E+04	0.71439E+00	0.45326E+00	0.32380E+00	0.86755E+00
0.27008E+04	0.71265E+00	0.45319E+00	0.32296E+00	0.86531E+00
0.27010E+04	0.71081E+00	0.45312E+00	0.32208E+00	0.86295E+00
0.27012E+04	0.70887E+00	0.45305E+00	0.32115E+00	0.86046E+00
0.27014E+04	0.70683E+00	0.45298E+00	0.32018E+00	0.85785E+00
0.27016E+04	0.70466E+00	0.45291E+00	0.31915E+00	0.85509E+00
0.27018E+04	0.70236E+00	0.45284E+00	0.31806E+00	0.85217E+00
0.27020E+04	0.70001E+00	0.45278E+00	0.31695E+00	0.84919E+00
0.27022E+04	0.69757E+00	0.45277E+00	0.31584E+00	0.84621E+00

0.27024E+04	0.69505E+00	0.45276E+00	0.31469E+00	0.84314E+00
0.27026E+04	0.69244E+00	0.45274E+00	0.31350E+00	0.83995E+00
0.27028E+04	0.68971E+00	0.45273E+00	0.31225E+00	0.83661E+00
0.27030E+04	0.68683E+00	0.45271E+00	0.31094E+00	0.83309E+00
0.27032E+04	0.68383E+00	0.45269E+00	0.30956E+00	0.82941E+00
0.27034E+04	0.68069E+00	0.45268E+00	0.30813E+00	0.82557E+00
0.27036E+04	0.67743E+00	0.45266E+00	0.30664E+00	0.82158E+00
0.27038E+04	0.67405E+00	0.45264E+00	0.30510E+00	0.81745E+00
0.27040E+04	0.67055E+00	0.45262E+00	0.30351E+00	0.81318E+00
0.27042E+04	0.66696E+00	0.45256E+00	0.30184E+00	0.80872E+00
0.27044E+04	0.66326E+00	0.45250E+00	0.30013E+00	0.80413E+00
0.27046E+04	0.65946E+00	0.45245E+00	0.29837E+00	0.79941E+00
0.27048E+04	0.65554E+00	0.45239E+00	0.29656E+00	0.79457E+00
0.27050E+04	0.65154E+00	0.45234E+00	0.29472E+00	0.78963E+00
0.27052E+04	0.64749E+00	0.45228E+00	0.29285E+00	0.78462E+00
0.27054E+04	0.64336E+00	0.45223E+00	0.29094E+00	0.77952E+00
0.27056E+04	0.63910E+00	0.45218E+00	0.28899E+00	0.77428E+00
0.27058E+04	0.63471E+00	0.45213E+00	0.28697E+00	0.76888E+00
0.27060E+04	0.63020E+00	0.45208E+00	0.28491E+00	0.76334E+00
0.27062E+04	0.62560E+00	0.45208E+00	0.28282E+00	0.75775E+00
0.27064E+04	0.62086E+00	0.45207E+00	0.28067E+00	0.75201E+00
0.27066E+04	0.61597E+00	0.45206E+00	0.27845E+00	0.74606E+00
0.27068E+04	0.61094E+00	0.45205E+00	0.27618E+00	0.73996E+00
0.27070E+04	0.60588E+00	0.45204E+00	0.27388E+00	0.73380E+00
0.27072E+04	0.60074E+00	0.45203E+00	0.27155E+00	0.72756E+00
0.27074E+04	0.59550E+00	0.45201E+00	0.26917E+00	0.72119E+00
0.27076E+04	0.59017E+00	0.45199E+00	0.26676E+00	0.71471E+00
0.27078E+04	0.58476E+00	0.45197E+00	0.26429E+00	0.70812E+00
0.27080E+04	0.57923E+00	0.45196E+00	0.26179E+00	0.70140E+00
0.27082E+04	0.57358E+00	0.45199E+00	0.25925E+00	0.69461E+00
0.27084E+04	0.56784E+00	0.45202E+00	0.25668E+00	0.68771E+00
0.27086E+04	0.56201E+00	0.45205E+00	0.25406E+00	0.68070E+00
0.27088E+04	0.55612E+00	0.45208E+00	0.25142E+00	0.67361E+00
0.27090E+04	0.55018E+00	0.45211E+00	0.24874E+00	0.66645E+00
0.27092E+04	0.54419E+00	0.45215E+00	0.24605E+00	0.65925E+00
0.27094E+04	0.53818E+00	0.45218E+00	0.24335E+00	0.65202E+00
0.27096E+04	0.53209E+00	0.45222E+00	0.24062E+00	0.64469E+00
0.27098E+04	0.52588E+00	0.45226E+00	0.23784E+00	0.63723E+00
0.27100E+04	0.51961E+00	0.45230E+00	0.23502E+00	0.62969E+00
0.27102E+04	0.51333E+00	0.45233E+00	0.23219E+00	0.62211E+00
0.27104E+04	0.50703E+00	0.45235E+00	0.22935E+00	0.61450E+00
0.27106E+04	0.50069E+00	0.45237E+00	0.22650E+00	0.60685E+00
0.27108E+04	0.49435E+00	0.45240E+00	0.22364E+00	0.59921E+00

0.27110E+04	0.48801E+00	0.45242E+00	0.22079E+00	0.59155E+00
0.27112E+04	0.48158E+00	0.45245E+00	0.21789E+00	0.58379E+00
0.27114E+04	0.47505E+00	0.45248E+00	0.21495E+00	0.57592E+00
0.27116E+04	0.46846E+00	0.45251E+00	0.21198E+00	0.56796E+00
0.27118E+04	0.46187E+00	0.45253E+00	0.20901E+00	0.56000E+00
0.27120E+04	0.45531E+00	0.45256E+00	0.20605E+00	0.55207E+00
0.27122E+04	0.44873E+00	0.45256E+00	0.20308E+00	0.54410E+00
0.27124E+04	0.44213E+00	0.45256E+00	0.20009E+00	0.53610E+00
0.27126E+04	0.43557E+00	0.45256E+00	0.19712E+00	0.52815E+00
0.27128E+04	0.42904E+00	0.45255E+00	0.19416E+00	0.52022E+00
0.27130E+04	0.42244E+00	0.45255E+00	0.19117E+00	0.51221E+00
0.27132E+04	0.41581E+00	0.45252E+00	0.18816E+00	0.50414E+00
0.27134E+04	0.40923E+00	0.45250E+00	0.18518E+00	0.49614E+00
0.27136E+04	0.40272E+00	0.45247E+00	0.18222E+00	0.48822E+00
0.27138E+04	0.39624E+00	0.45244E+00	0.17927E+00	0.48033E+00
0.27140E+04	0.38971E+00	0.45240E+00	0.17631E+00	0.47237E+00
0.27142E+04	0.38316E+00	0.45233E+00	0.17332E+00	0.46437E+00
0.27144E+04	0.37667E+00	0.45226E+00	0.17035E+00	0.45642E+00
0.27146E+04	0.37023E+00	0.45219E+00	0.16741E+00	0.44855E+00
0.27148E+04	0.36384E+00	0.45212E+00	0.16450E+00	0.44074E+00
0.27150E+04	0.35750E+00	0.45205E+00	0.16161E+00	0.43300E+00
0.27152E+04	0.35125E+00	0.45199E+00	0.15876E+00	0.42537E+00
0.27154E+04	0.34509E+00	0.45193E+00	0.15595E+00	0.41785E+00
0.27156E+04	0.33897E+00	0.45187E+00	0.15317E+00	0.41039E+00
0.27158E+04	0.33291E+00	0.45182E+00	0.15041E+00	0.40300E+00
0.27160E+04	0.32689E+00	0.45177E+00	0.14768E+00	0.39567E+00
0.27162E+04	0.32088E+00	0.45172E+00	0.14494E+00	0.38835E+00
0.27164E+04	0.31485E+00	0.45166E+00	0.14221E+00	0.38101E+00
0.27166E+04	0.30892E+00	0.45162E+00	0.13951E+00	0.37379E+00
0.27168E+04	0.30311E+00	0.45157E+00	0.13688E+00	0.36674E+00
0.27170E+04	0.29740E+00	0.45153E+00	0.13428E+00	0.35978E+00
0.27172E+04	0.29173E+00	0.45149E+00	0.13171E+00	0.35290E+00
0.27174E+04	0.28609E+00	0.45146E+00	0.12916E+00	0.34605E+00
0.27176E+04	0.28049E+00	0.45142E+00	0.12662E+00	0.33926E+00
0.27178E+04	0.27494E+00	0.45139E+00	0.12411E+00	0.33251E+00
0.27180E+04	0.26945E+00	0.45136E+00	0.12162E+00	0.32585E+00
0.27182E+04	0.26404E+00	0.45134E+00	0.11917E+00	0.31930E+00
0.27184E+04	0.25871E+00	0.45133E+00	0.11676E+00	0.31284E+00
0.27186E+04	0.25341E+00	0.45131E+00	0.11437E+00	0.30642E+00
0.27188E+04	0.24818E+00	0.45130E+00	0.11200E+00	0.30009E+00
0.27190E+04	0.24307E+00	0.45128E+00	0.10969E+00	0.29390E+00
0.27192E+04	0.23802E+00	0.45127E+00	0.10741E+00	0.28778E+00
0.27194E+04	0.23302E+00	0.45126E+00	0.10515E+00	0.28173E+00

0.27196E+04	0.22813E+00	0.45124E+00	0.10294E+00	0.27581E+00
0.27198E+04	0.22333E+00	0.45123E+00	0.10078E+00	0.27001E+00
0.27200E+04	0.21861E+00	0.45121E+00	0.98640E-01	0.26429E+00
0.27202E+04	0.21396E+00	0.45117E+00	0.96533E-01	0.25864E+00
0.27204E+04	0.20939E+00	0.45114E+00	0.94465E-01	0.25310E+00
0.27206E+04	0.20496E+00	0.45111E+00	0.92459E-01	0.24772E+00
0.27208E+04	0.20061E+00	0.45107E+00	0.90491E-01	0.24245E+00
0.27210E+04	0.19627E+00	0.45104E+00	0.88528E-01	0.23719E+00
0.27212E+04	0.19199E+00	0.45101E+00	0.86590E-01	0.23200E+00
0.27214E+04	0.18781E+00	0.45098E+00	0.84700E-01	0.22694E+00
0.27216E+04	0.18374E+00	0.45095E+00	0.82860E-01	0.22201E+00
0.27218E+04	0.17980E+00	0.45092E+00	0.81074E-01	0.21722E+00
0.27220E+04	0.17595E+00	0.45089E+00	0.79332E-01	0.21255E+00
0.27222E+04	0.17213E+00	0.45082E+00	0.77599E-01	0.20791E+00
0.27224E+04	0.16836E+00	0.45076E+00	0.75887E-01	0.20332E+00
0.27226E+04	0.16465E+00	0.45068E+00	0.74206E-01	0.19882E+00
0.27228E+04	0.16102E+00	0.45061E+00	0.72558E-01	0.19440E+00
0.27230E+04	0.15743E+00	0.45053E+00	0.70929E-01	0.19004E+00
0.27232E+04	0.15390E+00	0.45045E+00	0.69324E-01	0.18574E+00
0.27234E+04	0.15048E+00	0.45037E+00	0.67771E-01	0.18158E+00
0.27236E+04	0.14718E+00	0.45028E+00	0.66271E-01	0.17756E+00
0.27238E+04	0.14395E+00	0.45019E+00	0.64804E-01	0.17363E+00
0.27240E+04	0.14078E+00	0.45011E+00	0.63367E-01	0.16978E+00
0.27242E+04	0.13767E+00	0.45013E+00	0.61967E-01	0.16603E+00
0.27244E+04	0.13461E+00	0.45014E+00	0.60596E-01	0.16235E+00
0.27246E+04	0.13167E+00	0.45016E+00	0.59274E-01	0.15881E+00
0.27248E+04	0.12881E+00	0.45018E+00	0.57986E-01	0.15536E+00
0.27250E+04	0.12597E+00	0.45020E+00	0.56712E-01	0.15195E+00
0.27252E+04	0.12320E+00	0.45022E+00	0.55466E-01	0.14861E+00
0.27254E+04	0.12049E+00	0.45025E+00	0.54249E-01	0.14535E+00
0.27256E+04	0.11786E+00	0.45028E+00	0.53071E-01	0.14219E+00
0.27258E+04	0.11533E+00	0.45031E+00	0.51933E-01	0.13914E+00
0.27260E+04	0.11283E+00	0.45035E+00	0.50813E-01	0.13614E+00
0.27262E+04	0.11034E+00	0.45042E+00	0.49698E-01	0.13315E+00
0.27264E+04	0.10787E+00	0.45049E+00	0.48593E-01	0.13020E+00
0.27266E+04	0.10543E+00	0.45056E+00	0.47501E-01	0.12727E+00
0.27268E+04	0.10306E+00	0.45063E+00	0.46440E-01	0.12443E+00
0.27270E+04	0.10079E+00	0.45070E+00	0.45425E-01	0.12171E+00
0.27272E+04	0.98588E-01	0.45076E+00	0.44440E-01	0.11907E+00
0.27274E+04	0.96472E-01	0.45082E+00	0.43491E-01	0.11652E+00
0.27276E+04	0.94434E-01	0.45087E+00	0.42577E-01	0.11408E+00
0.27278E+04	0.92451E-01	0.45091E+00	0.41687E-01	0.11169E+00
0.27280E+04	0.90523E-01	0.45095E+00	0.40822E-01	0.10937E+00

0.27282E+04	0.88617E-01	0.45094E+00	0.39961E-01	0.10707E+00
0.27284E+04	0.86715E-01	0.45093E+00	0.39103E-01	0.10477E+00
0.27286E+04	0.84875E-01	0.45092E+00	0.38272E-01	0.10254E+00
0.27288E+04	0.83110E-01	0.45090E+00	0.37474E-01	0.10040E+00
0.27290E+04	0.81379E-01	0.45088E+00	0.36692E-01	0.98309E-01
0.27292E+04	0.79679E-01	0.45086E+00	0.35924E-01	0.96251E-01
0.27294E+04	0.78016E-01	0.45084E+00	0.35173E-01	0.94237E-01
0.27296E+04	0.76404E-01	0.45082E+00	0.34445E-01	0.92287E-01
0.27298E+04	0.74844E-01	0.45081E+00	0.33740E-01	0.90400E-01
0.27300E+04	0.73315E-01	0.45080E+00	0.33050E-01	0.88551E-01
0.27302E+04	0.71818E-01	0.45063E+00	0.32363E-01	0.86710E-01
0.27304E+04	0.70346E-01	0.45046E+00	0.31688E-01	0.84902E-01
0.27306E+04	0.68909E-01	0.45031E+00	0.31030E-01	0.83139E-01
0.27308E+04	0.67526E-01	0.45016E+00	0.30397E-01	0.81443E-01
0.27310E+04	0.66142E-01	0.45001E+00	0.29765E-01	0.79749E-01
0.27312E+04	0.64740E-01	0.44989E+00	0.29126E-01	0.78037E-01
0.27314E+04	0.63381E-01	0.44977E+00	0.28507E-01	0.76378E-01
0.27316E+04	0.62048E-01	0.44966E+00	0.27900E-01	0.74753E-01
0.27318E+04	0.60722E-01	0.44955E+00	0.27298E-01	0.73138E-01
0.27320E+04	0.59421E-01	0.44944E+00	0.26706E-01	0.71554E-01
0.27322E+04	0.58141E-01	0.44945E+00	0.26132E-01	0.70014E-01
0.27324E+04	0.56915E-01	0.44947E+00	0.25582E-01	0.68541E-01
0.27326E+04	0.55761E-01	0.44949E+00	0.25064E-01	0.67153E-01
0.27328E+04	0.54613E-01	0.44950E+00	0.24549E-01	0.65773E-01
0.27330E+04	0.53438E-01	0.44952E+00	0.24021E-01	0.64360E-01
0.27332E+04	0.52273E-01	0.44951E+00	0.23497E-01	0.62956E-01
0.27334E+04	0.51127E-01	0.44951E+00	0.22982E-01	0.61575E-01
0.27336E+04	0.49996E-01	0.44949E+00	0.22473E-01	0.60211E-01
0.27338E+04	0.48871E-01	0.44946E+00	0.21966E-01	0.58853E-01
0.27340E+04	0.47720E-01	0.44943E+00	0.21447E-01	0.57463E-01
0.27342E+04	0.46607E-01	0.44938E+00	0.20944E-01	0.56115E-01
0.27344E+04	0.45578E-01	0.44932E+00	0.20479E-01	0.54869E-01
0.27346E+04	0.44570E-01	0.44925E+00	0.20023E-01	0.53647E-01
0.27348E+04	0.43555E-01	0.44917E+00	0.19563E-01	0.52416E-01
0.27350E+04	0.42574E-01	0.44908E+00	0.19119E-01	0.51226E-01
0.27352E+04	0.41668E-01	0.44900E+00	0.18709E-01	0.50127E-01
0.27354E+04	0.40804E-01	0.44892E+00	0.18318E-01	0.49078E-01
0.27356E+04	0.39940E-01	0.44883E+00	0.17926E-01	0.48029E-01
0.27358E+04	0.39075E-01	0.44875E+00	0.17535E-01	0.46980E-01
0.27360E+04	0.38198E-01	0.44865E+00	0.17138E-01	0.45917E-01
0.27362E+04	0.37312E-01	0.44852E+00	0.16735E-01	0.44838E-01
0.27364E+04	0.36471E-01	0.44838E+00	0.16353E-01	0.43815E-01
0.27366E+04	0.35693E-01	0.44826E+00	0.15999E-01	0.42867E-01

0.27368E+04	0.34924E-01	0.44813E+00	0.15650E-01	0.41932E-01
0.27370E+04	0.34152E-01	0.44801E+00	0.15301E-01	0.40995E-01
0.27372E+04	0.33409E-01	0.44791E+00	0.14964E-01	0.40093E-01
0.27374E+04	0.32704E-01	0.44780E+00	0.14645E-01	0.39238E-01
0.27376E+04	0.32016E-01	0.44770E+00	0.14334E-01	0.38404E-01
0.27378E+04	0.31318E-01	0.44762E+00	0.14018E-01	0.37559E-01
0.27380E+04	0.30637E-01	0.44753E+00	0.13711E-01	0.36735E-01
0.27382E+04	0.29982E-01	0.44744E+00	0.13415E-01	0.35943E-01
0.27384E+04	0.29313E-01	0.44736E+00	0.13114E-01	0.35135E-01
0.27386E+04	0.28689E-01	0.44728E+00	0.12832E-01	0.34381E-01
0.27388E+04	0.28149E-01	0.44721E+00	0.12589E-01	0.33729E-01
0.27390E+04	0.27624E-01	0.44714E+00	0.12352E-01	0.33094E-01
0.27392E+04	0.27084E-01	0.44708E+00	0.12109E-01	0.32443E-01
0.27394E+04	0.26577E-01	0.44701E+00	0.11880E-01	0.31831E-01
0.27396E+04	0.26084E-01	0.44695E+00	0.11658E-01	0.31236E-01
0.27398E+04	0.25598E-01	0.44688E+00	0.11439E-01	0.30650E-01
0.27400E+04	0.25129E-01	0.44682E+00	0.11228E-01	0.30084E-01
0.27402E+04	0.24650E-01	0.44665E+00	0.11010E-01	0.29498E-01
0.27404E+04	0.24193E-01	0.44646E+00	0.10801E-01	0.28940E-01
0.27406E+04	0.23759E-01	0.44627E+00	0.10603E-01	0.28408E-01
0.27408E+04	0.23327E-01	0.44608E+00	0.10406E-01	0.27879E-01
0.27410E+04	0.22896E-01	0.44589E+00	0.10209E-01	0.27353E-01
0.27412E+04	0.22467E-01	0.44569E+00	0.10013E-01	0.26829E-01
0.27414E+04	0.22043E-01	0.44549E+00	0.98197E-02	0.26310E-01
0.27416E+04	0.21628E-01	0.44528E+00	0.96306E-02	0.25803E-01
0.27418E+04	0.21223E-01	0.44508E+00	0.94459E-02	0.25308E-01
0.27420E+04	0.20828E-01	0.44487E+00	0.92657E-02	0.24826E-01
0.27422E+04	0.20436E-01	0.44469E+00	0.90878E-02	0.24349E-01
0.27424E+04	0.20046E-01	0.44450E+00	0.89106E-02	0.23874E-01
0.27426E+04	0.19659E-01	0.44431E+00	0.87345E-02	0.23402E-01
0.27428E+04	0.19285E-01	0.44412E+00	0.85649E-02	0.22948E-01
0.27430E+04	0.18934E-01	0.44392E+00	0.84053E-02	0.22520E-01
0.27432E+04	0.18585E-01	0.44372E+00	0.82465E-02	0.22095E-01
0.27434E+04	0.18244E-01	0.44352E+00	0.80917E-02	0.21680E-01
0.27436E+04	0.17912E-01	0.44332E+00	0.79409E-02	0.21276E-01
0.27438E+04	0.17584E-01	0.44311E+00	0.77915E-02	0.20876E-01
0.27440E+04	0.17259E-01	0.44290E+00	0.76440E-02	0.20481E-01
0.27442E+04	0.16935E-01	0.44262E+00	0.74958E-02	0.20083E-01
0.27444E+04	0.16613E-01	0.44234E+00	0.73485E-02	0.19689E-01
0.27446E+04	0.16294E-01	0.44206E+00	0.72029E-02	0.19299E-01
0.27448E+04	0.15979E-01	0.44178E+00	0.70593E-02	0.18914E-01
0.27450E+04	0.15667E-01	0.44150E+00	0.69169E-02	0.18532E-01
0.27452E+04	0.15359E-01	0.44119E+00	0.67762E-02	0.18155E-01

0.27454E+04	0.15055E-01	0.44088E+00	0.66372E-02	0.17783E-01
0.27456E+04	0.14752E-01	0.44056E+00	0.64990E-02	0.17413E-01
0.27458E+04	0.14449E-01	0.44026E+00	0.63615E-02	0.17044E-01
0.27460E+04	0.14148E-01	0.43994E+00	0.62245E-02	0.16677E-01
0.27462E+04	0.13852E-01	0.43957E+00	0.60889E-02	0.16314E-01
0.27464E+04	0.13557E-01	0.43921E+00	0.59543E-02	0.15953E-01
0.27466E+04	0.13269E-01	0.43884E+00	0.58229E-02	0.15601E-01
0.27468E+04	0.12993E-01	0.43848E+00	0.56973E-02	0.15265E-01
0.27470E+04	0.12723E-01	0.43812E+00	0.55741E-02	0.14935E-01
0.27472E+04	0.12453E-01	0.43776E+00	0.54513E-02	0.14606E-01
0.27474E+04	0.12193E-01	0.43739E+00	0.53330E-02	0.14288E-01
0.27476E+04	0.11934E-01	0.43703E+00	0.52153E-02	0.13973E-01
0.27478E+04	0.11679E-01	0.43667E+00	0.50998E-02	0.13664E-01
0.27480E+04	0.11429E-01	0.43630E+00	0.49867E-02	0.13361E-01
0.27482E+04	0.11182E-01	0.43599E+00	0.48752E-02	0.13062E-01
0.27484E+04	0.10936E-01	0.43569E+00	0.47646E-02	0.12766E-01
0.27486E+04	0.10690E-01	0.43538E+00	0.46542E-02	0.12470E-01
0.27488E+04	0.10445E-01	0.43507E+00	0.45445E-02	0.12176E-01
0.27490E+04	0.10205E-01	0.43477E+00	0.44369E-02	0.11888E-01
0.27492E+04	0.99665E-02	0.43446E+00	0.43301E-02	0.11601E-01
0.27494E+04	0.97292E-02	0.43415E+00	0.42240E-02	0.11317E-01
0.27496E+04	0.94935E-02	0.43385E+00	0.41188E-02	0.11035E-01
0.27498E+04	0.92580E-02	0.43355E+00	0.40138E-02	0.10754E-01
0.27500E+04	0.90256E-02	0.43325E+00	0.39104E-02	0.10477E-01
0.27502E+04	0.87973E-02	0.43297E+00	0.38090E-02	0.10205E-01
0.27504E+04	0.85692E-02	0.43270E+00	0.37079E-02	0.99344E-02
0.27506E+04	0.83419E-02	0.43243E+00	0.36073E-02	0.96649E-02
0.27508E+04	0.81160E-02	0.43216E+00	0.35074E-02	0.93974E-02
0.27510E+04	0.78923E-02	0.43190E+00	0.34087E-02	0.91329E-02
0.27512E+04	0.76688E-02	0.43165E+00	0.33103E-02	0.88691E-02
0.27514E+04	0.74458E-02	0.43140E+00	0.32121E-02	0.86062E-02
0.27516E+04	0.72229E-02	0.43116E+00	0.31143E-02	0.83440E-02
0.27518E+04	0.70047E-02	0.43093E+00	0.30185E-02	0.80875E-02
0.27520E+04	0.67885E-02	0.43069E+00	0.29237E-02	0.78335E-02
0.27522E+04	0.65739E-02	0.43044E+00	0.28297E-02	0.75815E-02
0.27524E+04	0.63621E-02	0.43018E+00	0.27369E-02	0.73328E-02
0.27526E+04	0.61554E-02	0.42993E+00	0.26464E-02	0.70905E-02
0.27528E+04	0.59519E-02	0.42967E+00	0.25574E-02	0.68520E-02
0.27530E+04	0.57496E-02	0.42942E+00	0.24690E-02	0.66151E-02
0.27532E+04	0.55547E-02	0.42916E+00	0.23839E-02	0.63870E-02
0.27534E+04	0.53602E-02	0.42890E+00	0.22990E-02	0.61596E-02
0.27536E+04	0.51685E-02	0.42863E+00	0.22154E-02	0.59356E-02
0.27538E+04	0.49792E-02	0.42836E+00	0.21329E-02	0.57147E-02

0.27540E+04	0.47913E-02	0.42809E+00	0.20511E-02	0.54955E-02
0.27542E+04	0.46055E-02	0.42780E+00	0.19703E-02	0.52789E-02
0.27544E+04	0.44214E-02	0.42752E+00	0.18902E-02	0.50644E-02
0.27546E+04	0.42400E-02	0.42722E+00	0.18114E-02	0.48533E-02
0.27548E+04	0.40598E-02	0.42692E+00	0.17332E-02	0.46438E-02
0.27550E+04	0.38808E-02	0.42661E+00	0.16556E-02	0.44359E-02
0.27552E+04	0.37085E-02	0.42627E+00	0.15808E-02	0.42355E-02
0.27554E+04	0.35458E-02	0.42593E+00	0.15103E-02	0.40464E-02
0.27556E+04	0.33844E-02	0.42559E+00	0.14404E-02	0.38592E-02
0.27558E+04	0.32236E-02	0.42524E+00	0.13708E-02	0.36728E-02
0.27560E+04	0.30643E-02	0.42489E+00	0.13020E-02	0.34884E-02
0.27562E+04	0.29105E-02	0.42462E+00	0.12359E-02	0.33112E-02
0.27564E+04	0.27572E-02	0.42436E+00	0.11701E-02	0.31349E-02
0.27566E+04	0.26057E-02	0.42410E+00	0.11051E-02	0.29608E-02
0.27568E+04	0.24562E-02	0.42385E+00	0.10411E-02	0.27894E-02
0.27570E+04	0.23099E-02	0.42360E+00	0.97848E-03	0.26216E-02
0.27572E+04	0.21658E-02	0.42335E+00	0.91689E-03	0.24566E-02
0.27574E+04	0.20262E-02	0.42311E+00	0.85730E-03	0.22969E-02
0.27576E+04	0.18881E-02	0.42286E+00	0.79841E-03	0.21392E-02
0.27578E+04	0.17557E-02	0.42263E+00	0.74201E-03	0.19881E-02
0.27580E+04	0.16241E-02	0.42240E+00	0.68603E-03	0.18381E-02
0.27582E+04	0.14940E-02	0.42191E+00	0.63031E-03	0.16888E-02
0.27584E+04	0.13647E-02	0.42141E+00	0.57509E-03	0.15408E-02
0.27586E+04	0.12391E-02	0.42092E+00	0.52158E-03	0.13975E-02
0.27588E+04	0.11139E-02	0.42044E+00	0.46834E-03	0.12548E-02
0.27590E+04	0.99110E-03	0.41995E+00	0.41621E-03	0.11151E-02
0.27592E+04	0.87275E-03	0.41946E+00	0.36609E-03	0.98085E-03
0.27594E+04	0.75531E-03	0.41897E+00	0.31645E-03	0.84787E-03
0.27596E+04	0.63805E-03	0.41848E+00	0.26701E-03	0.71541E-03
0.27598E+04	0.52826E-03	0.41799E+00	0.22081E-03	0.59160E-03
0.27600E+04	0.42075E-03	0.41750E+00	0.17566E-03	0.47065E-03
0.27602E+04	0.31435E-03	0.41708E+00	0.13111E-03	0.35127E-03
0.27604E+04	0.22414E-03	0.41665E+00	0.93388E-04	0.25021E-03
0.27606E+04	0.14164E-03	0.41622E+00	0.58954E-04	0.15795E-03
0.27608E+04	0.70722E-04	0.41579E+00	0.29405E-04	0.78785E-04
0.27610E+04	0.00000E+00	0.41535E+00	0.00000E+00	0.00000E+00

Table D.6-14. NOAA-19 HIRS/308 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.021740	68.49
Post-launch calibration	TBD	TBD

AMSU:

Table D.6-15. NOAA-19 AMSU-A1 (S/N 107, ID=25) PRT Temperature Conversion Coefficients.

	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count²)	f_{k3} (K/count³)
Scan Motor A1-1	1	263.1118	1.742062E-03	3.497049E-09	1.447318E-14
Scan Motor A1-2	2	263.7931	1.733920E-03	3.858388E-09	4.108136E-15
Feedhorn A1-1	3	264.0873	1.772267E-03	1.969058E-09	3.782504E-14
Feedhorn A1-2	4	263.7359	1.746087E-03	3.388829E-09	1.539593E-14
RF Mux A1-1	5	263.4033	1.731448E-03	4.052407E-09	6.281552E-15
RF Mux A1-2	6	263.6212	1.736000E-03	3.594951E-09	1.264543E-14
L.O. CH 3	7	262.6824	1.728847E-03	4.019764E-09	5.986536E-15
L.O. CH 4	8	263.4037	1.735807E-03	3.885898E-09	8.667607E-15
L.O. CH 5	9	262.7392	1.731672E-03	3.496970E-09	1.431707E-14
L.O. CH 6	10	263.3888	1.740029E-03	3.520360E-09	1.251986E-14
L.O. CH 7	11	263.6862	1.735802E-03	3.586685E-09	1.647744E-14
L.O. CH 8	12	263.6868	1.744705E-03	3.305509E-09	1.818267E-14
L.O. CH 15	13	263.6375	1.732038E-03	3.697993E-09	1.205412E-14
PLLO #2 CH9-14	14	263.9067	1.734456E-03	3.429725E-09	1.544829E-14
PLLO #1 CH9-14	15	263.3486	1.753624E-03	3.516755E-09	3.333381E-15
Not Used	16	0.00000E+00	0.00000E+00	0.00000E+00	0.000000E+00
Mixer/IF CH 3	17	263.2393	1.744402E-03	3.362316E-09	1.334880E-14
Mixer/IF CH 4	18	263.6364	1.771411E-03	3.576661E-09	8.852903E-15
Mixer/IF CH 5	19	263.8027	1.735185E-03	3.816865E-09	4.611234E-15
Mixer/IF CH 6	20	263.9944	1.732857E-03	3.865460E-03	1.188194E-14
Mixer/IF CH 7	21	263.5726	1.734105E-03	4.104094E-09	4.784842E-15
Mixer/IF CH 8	22	263.1446	1.735692E-03	3.487495E-09	1.448047E-14
Mixer/IF CH9 -14	23	263.3230	1.736698E-03	3.506417E-09	1.381465E-14
Mixer/IF CH 15	24	263.8131	1.733783E-03	3.705516E-09	1.114634E-14
IF Amp.CH11 - 14	25	263.5378	1.746153E-03	3.526695E-09	1.533726E-14
IF Amp. CH. 9	26	263.5392	1.735697E-03	3.888978E-09	1.279559E-14
IF Amp. Ch.10	27	263.1599	1.731394E-03	3.924602E-09	7.025278E-15
IF Amp. Ch.11	28	263.2114	1.735249E-03	3.437025E-09	1.482940E-14
DC/DC Converter	29	263.5982	1.739884E-03	3.453134E-09	1.511657E-14
IF Amp. Ch.13	30	263.6745	1.740961E-03	3.504604E-09	1.020772E-14
IF Amp. Ch.14	31	263.5161	1.740639E-03	3.555526E-09	1.322503E-14
IF Amp. Ch.12	32	263.0495	1.754169E-03	3.485714E-09	9.320949E-15
RF Shelf A1-1	33	263.7456	1.728914E-03	3.995046E-09	6.167204E-15
RF Shelf A1-2	34	264.5497	1.742660E-03	3.626275E-09	1.254250E-14
Detector/PreAmp	35	263.4284	1.726987E-03	3.945960E-09	7.127579E-15
A1-1WarmLoad#1	36	254.8741	1.637893E-03	5.902597E-09	2.947544E-14
A1-1WarmLoad#2	37	254.4845	1.634828E-03	5.860831E-09	2.909161E-14
A1-1WarmLoad#3	38	254.5352	1.627381E-03	5.878626E-09	3.107089E-14

A1-1WarmLoad#4	39	254.1389	1.638958E-03	5.777645E-09	2.745335E-14
A1-1WmLdCenter	40	254.6330	1.636434E-03	5.860082E-09	2.914760E-14
A1-2WarmLoad#1	41	254.6251	1.637361E-03	5.846084E-09	3.029967E-14
A1-2WarmLoad#2	42	254.6393	1.637848E-03	5.829585E-09	2.888881E-14
A1-2WarmLoad#3	43	254.1602	1.630533E-03	5.839149E-09	3.010925E-14
A1-2WarmLoad#4	44	255.0383	1.634408E-03	5.912973E-09	2.908720E-14
A1-2WmLdCenter	45	254.3306	1.632722E-03	5.889366E-09	2.895453E-14

Table D.6-16. NOAA-19 AMSU-A2 (S/N 109, ID=34) PRT Temperature Conversion Coefficients.

	PRT #	f _{k0} (K)	f _{k1} (K/count)	f _{k2} (K/count2)	f _{k3} (K/count3)
Scan Motor	1	263.3287	1.742668E-03	4.311887E-09	2.025034E-16
Feedhorn	2	263.3765	1.752967E-03	3.748854E-09	1.258927E-14
RF Diplexer	3	263.5512	1.739217E-03	3.818752E-09	1.353860E-14
Mixer/IF Ch 1	4	263.6189	1.749884E-03	3.816858E-09	1.067548E-14
Mixer/IF Ch 2	5	263.9912	1.751035E-03	3.631815E-09	1.485421E-14
Ch1 DRO	6	263.7419	1.753762E-03	3.693388E-09	1.127053E-14
Ch2 DRO	7	263.4610	1.747977E-03	4.016104E-09	7.197988E-15
Compensator Motor	8	263.4379	1.763693E-03	3.358171E-09	1.355759E-14
Sub Reflector	9	263.9190	1.751008E-03	4.282710E-09	2.331043E-15
DC/DC Converter	10	262.9899	1.747058E-03	3.705516E-09	1.233494E-14
RF Shelf	11	263.5386	1.745205E-03	4.009926E-09	9.340984E-15
Detector Pre-Amp	12	263.2827	1.749743E-03	4.089112E-09	6.352310E-15
Warm Load Ctr	13	254.4454	1.646443E-03	5.907230E-09	3.0598570E-14
Warm Load #1	14	254.3621	1.658168E-03	5.933477E-09	2.513103E-14
Warm Load #2	15	254.8100	1.652669E-03	5.849476E-09	3.025275E-14
Warm Load #3	16	254.1330	1.648472E-03	5.857347E-09	3.302980E-14
Warm Load #4	17	254.9246	1.648978E-03	5.884300E-09	3.126444E-14
Warm Load #5	18	254.7082	1.641230E-03	5.955578E-09	3.155298E-14
Warm Load #6	19	254.6145	1.648466E-03	5.895623E-09	3.138678E-14

Table D.6-17 contains the measured channel characteristics for NOAA-19 AMSU-A (channels 1-15). The central frequencies are interpolated from the temperature dependent data to 15 C. The f1, f2, f3, and f4 for channels 11-14 are computed from tabulated values. All values are for 15 C. Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

Table D.6-17. NOAA-19 AMSU-A Measured Channel Characteristics.

Ch #	Instrument /Serial #	Central Frequency (GHz)	Central Wavenumber (cm ⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin	End	Begin	End

				(f ₁)	(f ₂)	(f ₃)	(f ₄)
1*	A2/108	23.79974	.7938560	0.00861	0.13415	N/A	N/A
2*	A2/108	31.40210	1.047380	0.00875	0.08915	N/A	N/A
3*	A1-2/106	50.30027	1.677800	0.00884	0.08896	N/A	N/A
4*	A1-2/106	52.80066	1.761245	0.00904	0.19924	N/A	N/A
5	A1-2/106	53.59613	1.787790	0.03140	0.19926	N/A	N/A
6*	A1-1/106	54.40013	1.814596	0.00914	0.19911	N/A	N/A
7*	A1-1/106	54.93949	1.832595	0.00913	0.19928	N/A	N/A
8*	A1-2/106	55.49868	1.851254	0.00919	0.16425	N/A	N/A
9*	A1-1/106	57.29033	1.911000	0.00916	0.16422	N/A	N/A
10	A1-1/106	57.29033	1.911000	0.17934	0.25532	N/A	N/A
11	A1-1/106	57.29033	1.911000	0.25694	0.29183	0.35259	0.38788
12	A1-1/106	57.29033	1.911000	0.29255	0.30799	0.33624	0.35176
13	A1-1/106	57.29033	1.911000	0.30825	0.31607	0.32823	0.33689
14	A1-1/106	57.29033	1.911000	0.31627	0.31922	0.32526	0.32821
15*	A1-1/106	89.01000	2.969723	0.49157	1.48733	N/A	N/A

* The lower frequency cutoff in these single passband channels is due to the stop band.

MHS:

Table D.6-18. NOAA-19 MHS Coefficients for Converting PRT Resistance (Ohms) to PRT Temperature (K).

PRT #	f _{k0}	f _{k1}	f _{k2}	f _{k3}	PIE-A/B
A1	26.47922	2.381473	7.897082E-04	6.277443E-07	PIE-A
A2	25.72883	2.401215	6.160758E-04	1.1141268E-06	
A3	26.75906	2.375112	8.306877E-04	5.707352E-07	
A4	25.80272	2.401580	5.882624E-04	1.307091E-06	
A5	26.78935	2.370714	9.064551E-04	2.251251E-05	
B1	29.61185	2.288703	1.697296E-03	-2.305717E-05	PIE-B
B2	27.10648	2.361667	9.940398E-04	-6.092637E-07	
B3	26.16069	2.389169	7.264472E-04	8.079902E-07	
B4	26.36162	2.385427	7.459118E-04	7.869268E-07	
B5	25.97523	2.396943	6.291877E-03	1.187232E-06	

Table D.6-19. NOAA-19 MHS Resistances (Ohms) for Three PRT Calibration Channels.

Rcal_1	Rcal_2	Rcal_3	PIE-A or -B
117.988	95.289	80.602	PIE-A
118.006	95.293	80.601	PIE-B

Table D.6-20. NOAA-19 MHS Coefficients for Converting Counts into Temperatures(K).

g ₀	g ₁	g ₂	g ₃	g ₄
355.9982	-0.239278	-4.85712E-03	3.59838E-05	-8.02652E-08
Note:				

1. One set of coefficients applies to 24 housekeeping thermistors.

Table D.6-21 NOAA-19 MHS Coefficients for Converting Counts into Current (amps) for Current Monitors .

Name	Intercept	Slope
RDM Motor	0.0	1.33700E-02
FDM Motor	0.0	1.33700E-02
EE+SM+5V	0.0	1.68100E-02
Receiver+8V	-0.1371000	2.22400E-02
Receiver+15V	-0.1012200	8.05400E-03
Receiver-15V	-0.9060000	1.89300E-03

Table D.6-22. NOAA-19 MHS Coefficients for Converting Volts into Temperatures (K).

h_0	h_1	h_2	h_3	h_4	h_5
363.4522	-108.10	64.212	-22.8659	4.110	-0.295

Table D.6-23. NOAA-19 MHS Values of the Nonlinearity Parameters $m(m^2\text{-sr-cm}^{-1})/mW$.

Instrument Temp. (See Note 1)	Ch 16	Ch 17	Ch. 18	Ch. 19	Ch. 20	LO(C)
275.28	1.709693 E-02	5.452098 E-02	3.468686 E-02	2.263756 E-02	7.784018 E-03	LO-A
288.00	1.068579 E-01	8.246891 E-02	5.056471 E-02	2.977869 E-02	2.917676 E-02	LO-A
299.45	1.914666 E-01	1.071100 E-01	4.829732 E-02	4.355207 E-02	3.218666 E-02	LO-A
275.05	2.494872 E-02	6.442000 E-02	3.170855 E-02	2.66325 E-02	2.431330 E-02	LO-B
287.67	1.373525 E-01	6.58128 E-02	5.975961 E-02	4.189441 E-02	3.033467 E-02	LO-B
299.16	1.903727 E-01	9.679756 E-02	6.289427 E-02	5.412508 E-02	3.707770 E-02	LO-B

Note:

1. QBS5 temperature.

Table D.6-24. NOAA-19 MHS Wavenumbers and Band-Correction Factors.

Channel Number	Wavenumber (cm-1)	Band-correction factors: $T_w = b + c * T_w$	
		b	c
16	2.968720	0.0	1.0
17	5.236956	0.0	1.0
18	6.114597	0.0	1.0
19	6.114597	-0.0031	1.00027
20	6.348092	0.0	1.0

Table D.6-25. NOAA-19 MHS (FM-2) Channel IF Characteristics.						
Channel	Frequency (GHz)		Wavenumber (cm-1)	Lower IF - 3Db Frequencies (GHz)	Upper IF - 3DB Frequencies (GHz)	# Sidebands
H1	89	*	2.968720031	0.118	1.217	1
H2	157	*	5.236955561	0.111	1.211	1
H3	183.311		6.114595929	0.745	1.219	2
H4	183.311		6.114595929	2.520	3.367	2
H5	190.311	*	6.348090763	0.112	1.071	1
* The lower frequency cutoff in these single sideband channels is due to the stop band. Detailed information on the terminology used in this table can be found in Section 3.9.1 for the MHS instrument. Additional information can be found in Section 3.3.2.1						

D.7 MetOp-B

Launch date: September 17, 2012

Operational dates: April 24, 2013 to present

Morning orbit: 2130 LST ascending node, 0930 LST descending node

AVHRR instrument: 6 channels (AVHRR/3): FM 307

Spacecraft ID: 12

Abnormalities:

Up to date information regarding abnormalities on the POES spacecraft and instruments can be found at: <http://www.oso.noaa.gov/poesstatus/>. This website allows a user to search and sort on any POES spacecraft, subsystem or instrument status. Once a user narrows down their window of interest, further details can be obtained by going to the NOAA/NESDIS/Office of Satellite Operations' (OSO) archive of weekly status reports at: <http://noaasis.noaa.gov/NOAASIS/ml/podocs.html>

Table D.7-1 contains the PRT weighting factors for MetOp-B and Table D.7-2 contains the radiance of space and the coefficients for nonlinear radiance correction quadratic for MetOp-B.

Table D.7-1. MetOp-B PRT Weighting Factors.			
b₁	b₂	b₃	b₄
0.25	0.25	0.25	0.25

Table D.7-2. MetOp-B Radiance of Space and coefficients for nonlinear radiance

correction quadratic.				
	N _s	b ₀	b ₁	b ₂
Channel 4	-4.75	4.85	-0.0096771	0.00048091
Channel 5	-4.39	4.36	-0.0766350	0.00033524

Table D.5-3 contains MetOp-A coefficients d₀, d₁, d₂, d₃ and d₄ that relate temperature, T_{PRT} (Kelvin) of each PRT to count value, C_{PRT}, by the equation:

$$T_{PRT} = d_0 + d_1 C_{PRT} + d_2 C_{PRT}^2 + d_3 C_{PRT}^3 + d_4 C_{PRT}^4$$

Table D.7-3. MetOp-B AVHRR/3 conversion coefficients.					
PRT	d ₀	d ₁	d ₂	d ₃	d ₄
1	276.5853	.05093323	1.543330 E-06	0	0
2	276.5335	.05103343	1.497510 E-06	0	0
3	276.5721	.05109724	1.429280 E-06	0	0
4	276.5720	.05102045	1.508410 E-06	0	0

Table D.7-4. MetOp-B AVHRR/3 Pre-launch Calibration Coefficients (Albedo Representation).			
Channel #	Contents	Slope	Intercept
1	Low albedo range (0-25%)	0.05176	-2.039
	High albedo range (26 - 100%)	0.15335	-52.899
2	Low albedo range (0-25%)	0.05678	-2.291
	High albedo range (26 - 100%)	.016727	-57.812
3A	Low albedo range (0-12.5%)	0.02919	-1.224
	High albedo range (12.6 - 100%)	0.2328	-88.417
Note: The albedo ranges given in parentheses are nominal; the points of intersection of the two regression lines are located at 500.54, 500.40 and 500.56 counts for channels 1, 2, and 3A respectively. This information is based on the data in AVHRR S/N A305 Alignment/Calibration Handbook (Report 8172845, Rev B), January 2002.			

Table D.7-5 contains a summary of the spectral response data as a function of wavenumber for all channels of the MetOp-A AVHRR/3.

Table D.7-5. Summary of MetOp-B AVHRR Spectral Response Data (as a Function of Wavenumber) for Each Channel.		
Channel 1		
The peak wavenumber was at 15480.00 and had a value of 1.00.		
File starting point is at wavenumber = 12050.00.		
File ending point is at wavenumber = 23250.00		
Moment Center Wavenumber = 15850.6296		
Percent line at which curve crosses	Wavenumber (cm ⁻¹)	μm

0.10%					
1.00%					
5.00%					
10.00%					
20.00%					
50.00%					
80.00%					
80.00%					
50.00%					
20.00%					
10.00%					
5.00%					
1.00%					
0.10%					
Area Point Limits		Lower (cm ⁻¹)		Upper (cm ⁻¹)	
99%					
96%					
70%					
50%					
0% (area center)					
Crossing	Lower (cm ⁻¹)	Upper (cm ⁻¹)	Width (cm ⁻¹)	Center (cm ⁻¹)	
80%	14775.7832	16748.0781	1972.2949	15761.9307	
50%	14710.2188	17017.4766	2307.2578	15863.8477	
20%	14637.4912	17093.8965	2456.4053	15865.6934	
5%	14535.3438	17182.9414	2647.5977	15859.1426	

Table D.7-6. MetOp-B AVHRR/3 Solar Reflectance Channel Information.			
Channel	Equivalent Width w (μm)	Effective Wavelength λ_e (μm)	Extraterrestrial Solar Irradiance in Band F (W/m²)
1	0.086698	0.632815	140.3147
2	0.242643	0.841679	245.0039
3A	0.052664	1.606119	13.08457
Note: These quantities are based on the solar irradiance data of <i>Neckel and Labs</i> (1984), which is a widely used source of such data.			

Table D.7-7 contains the temperature-to-radiance coefficients for MetOp-B AVHRR/3 Channels 3B, 4 and 5.

Table D.7-7. MetOp-B AVHRR/3 Thermal Channel Temperature-to-Radiance Coefficients.			
	v_c	A	B
Channel 3B	2684.32	1.763611	0.997018

Channel 4	933.63	0.504183	0.998638
Channel 5	839.62	0.381279	0.998610

Tables D.7-8 and D.7-9 contain the corresponding spectral response values for MetOp-AVHRR/3 Channels 1, 2, 3A and Channels 3B, 4 and 5, respectively. Note: Negative response values were caused by system response noise and are to be ignored but are included in the table for completeness.

Table D.7-8. MetOp-B AVHRR/3 Spectral Response Values for Channels 1, 2 and 3A					
Channel 1		Channel 2		Channel 3A	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
0.4300	0.00170530	0.704000	0.06571600	1.49000	-0.000057095
0.4320	-0.00396940	0.708000	0.11023000	1.49100	-0.000415510
0.4340	-0.00689020	0.712000	0.16602000	1.49200	-0.000084923
0.4360	-0.00069278	0.716000	0.22298000	1.49300	-0.000271530
0.4380	0.00430250	0.720000	0.28474000	1.49400	0.000027630
0.4400	0.00479130	0.724000	0.35646000	1.49500	0.000025548
0.4420	-0.00347860	0.728000	0.46138000	1.49600	0.000070092
0.4440	0.00340570	0.732000	0.66201000	1.49700	-0.000028655
0.4460	0.00596430	0.736000	0.79958000	1.49800	-0.000085175
0.4480	0.00660970	0.740000	0.80953000	1.49900	0.000182220
0.4500	0.00449620	0.744000	0.83627000	1.50000	0.000067423
0.4520	0.00045112	0.748000	0.86800000	1.50100	-0.000153820
0.4540	-0.00499330	0.752000	0.91701000	1.50200	-0.000092297
0.4560	0.00007003	0.756000	0.95817000	1.50300	-0.000020863
0.4580	0.00456950	0.760000	0.97935000	1.50400	-0.000139350
0.4600	-0.01066900	0.764000	0.98524000	1.50500	-0.000201470
0.4620	0.00660340	0.768000	0.98108000	1.50600	-0.000038647
0.4640	0.00097228	0.772000	0.97106000	1.50700	-0.000252630
0.4660	0.00591270	0.776000	0.96624000	1.50800	-0.000102250
0.4680	0.00170350	0.780000	0.97502000	1.50900	0.000172940
0.4700	0.00643620	0.784000	0.98562000	1.51000	0.000117810
0.4720	0.00686720	0.788000	0.99622000	1.51100	0.000060353
0.4740	0.00609960	0.792000	0.99536000	1.51200	0.000034012
0.4760	-0.00128130	0.796000	0.98504000	1.51300	0.000010788
0.4780	0.00368500	0.800000	0.97536000	1.51400	-0.000007724
0.4800	0.00042110	0.804000	0.96838000	1.51500	0.000115800
0.4820	0.00081060	0.808000	0.97249000	1.51600	-0.000068045
0.4840	0.00113240	0.812000	0.97932000	1.51700	-0.000107600
0.4860	-0.00207330	0.816000	0.99262000	1.51800	-0.000180610
0.4880	0.00018531	0.820000	1.00000000	1.51900	0.000117110

0.4900	-0.00168470	0.824000	0.99791000	1.52000	0.000211300
0.4920	0.00045676	0.828000	0.99204000	1.52100	-0.000017930
0.4940	-0.00147990	0.832000	0.98125000	1.52200	-0.000030587
0.4960	0.00005477	0.836000	0.96832000	1.52300	-0.000074051
0.4980	0.00244080	0.840000	0.95512000	1.52400	-0.000015178
0.5000	-0.00040247	0.844000	0.94266000	1.52500	0.000101630
0.5020	-0.00037256	0.848000	0.92713000	1.52600	0.000006424
0.5040	0.00099225	0.852000	0.91182000	1.52700	-0.000176100
0.5060	0.00145780	0.856000	0.89494000	1.52800	-0.000024741
0.5080	0.00054801	0.860000	0.88137000	1.52900	0.000057610
0.5100	0.00232040	0.864000	0.87936000	1.53000	0.000055558
0.5120	-0.00080490	0.868000	0.87890000	1.53100	0.000091596
0.5140	0.00036360	0.872000	0.88140000	1.53200	0.000083413
0.5160	0.00065213	0.876000	0.88961000	1.53300	-0.000093936
0.5180	0.00059149	0.880000	0.90306000	1.53400	-0.000057554
0.5200	0.00105990	0.884000	0.91088000	1.53500	-0.000042028
0.5220	0.00035601	0.888000	0.91829000	1.53600	0.000075945
0.5240	0.00036057	0.892000	0.92122000	1.53700	-0.000012790
0.5260	0.00105190	0.896000	0.91803000	1.53800	0.000099378
0.5280	0.00055215	0.900000	0.91011000	1.53900	0.000045824
0.5300	-0.00012421	0.904000	0.90012000	1.54000	0.000021990
0.5320	0.00047263	0.908000	0.89090000	1.54100	-0.000019757
0.5340	0.00082340	0.912000	0.88094000	1.54200	0.000005220
0.5360	0.00014585	0.916000	0.87042000	1.54300	-0.000079663
0.5380	-0.00022358	0.920000	0.85882000	1.54400	0.000104140
0.5400	0.00044711	0.924000	0.84813000	1.54500	-0.000020148
0.5420	0.00076023	0.928000	0.83930000	1.54600	-0.000029887
0.5440	0.00019086	0.932000	0.83123000	1.54700	0.000131280
0.5460	0.00004385	0.936000	0.82524000	1.54800	0.000175410
0.5480	0.00011626	0.940000	0.81958000	1.54900	0.000183200
0.5500	0.00072587	0.944000	0.81343000	1.55000	0.000054998
0.5520	0.00007916	0.948000	0.80821000	1.55100	0.000069278
0.5540	0.00032135	0.952000	0.80033000	1.55200	0.000240400
0.5560	0.00050386	0.956000	0.79039000	1.55300	0.000401370
0.5580	-0.00020179	0.960000	0.78144000	1.55400	0.000313030
0.5600	0.00079493	0.964000	0.77299000	1.55500	0.000484210
0.5620	0.00007292	0.968000	0.76520000	1.55600	0.000591330
0.5640	0.00074593	0.972000	0.75469000	1.55700	0.000790040
0.5660	0.00064544	0.976000	0.73778000	1.55800	0.000961190
0.5680	0.00064496	0.980000	0.71486000	1.55900	0.001589000
0.5700	0.00097680	0.984000	0.69212000	1.56000	0.001800800
0.5720	0.00165710	0.988000	0.67341000	1.56100	0.002371600

0.5740	0.00251290	0.992000	0.63120000	1.56200	0.002972200
0.5760	0.00420400	0.996000	0.38835000	1.56300	0.003952100
0.5780	0.01161900	1.000000	0.14816000	1.56400	0.005211700
0.5800	0.02651400	1.004000	0.05347300	1.56500	0.006863100
0.5820	0.06341600	1.008000	0.02211000	1.56600	0.008723100
0.5840	0.16080000	1.012000	0.01094900	1.56700	0.011244000
0.5860	0.38693000	1.016000	0.00655780	1.56800	0.014642000
0.5880	0.66658000	1.020000	0.00458210	1.56900	0.019020000
0.5900	0.76907000	1.024000	0.00357610	1.57000	0.024393000
0.5920	0.76508000	1.028000	0.00292100	1.57100	0.032848000
0.5940	0.76763000	1.032000	0.00254410	1.57200	0.043169000
0.5960	0.79179000	1.036000	0.00217540	1.57300	0.057503000
0.5980	0.83469000	1.040000	0.00185040	1.57400	0.075742000
0.6000	0.87494000	1.044000	0.00159920	1.57500	0.098709000
0.6020	0.89889000	1.048000	0.00133900	1.57600	0.136560000
0.6040	0.90642000	1.052000	0.00108770	1.57700	0.176150000
0.6060	0.89700000	1.056000	0.00082893	1.57800	0.236340000
0.6080	0.88786000	1.060000	0.00066063	1.57900	0.310350000
0.6100	0.89147000	1.064000	0.00050663	1.58000	0.390550000
0.6120	0.90408000	1.068000	0.00037695	1.58100	0.496040000
0.6140	0.92198000	1.072000	0.00031597	1.58200	0.595130000
0.6160	0.94257000			1.58300	0.701360000
0.6180	0.96405000			1.58400	0.784250000
0.6200	0.98003000			1.58500	0.859190000
0.6220	0.98640000			1.58600	0.897820000
0.6240	0.98213000			1.58700	0.923290000
0.6260	0.97177000			1.58800	0.956980000
0.6280	0.95834000			1.58900	0.940140000
0.6300	0.94400000			1.59000	0.928070000
0.6320	0.93480000			1.59100	0.919140000
0.6340	0.93324000			1.59200	0.910820000
0.6360	0.93526000			1.59300	0.924050000
0.6380	0.94456000			1.59400	0.930060000
0.6400	0.95756000			1.59500	0.911520000
0.6420	0.96958000			1.59600	0.907940000
0.6440	0.98264000			1.59700	0.916790000
0.6460	0.99047000			1.59800	0.908530000
0.6480	0.99853000			1.59900	0.946930000
0.6500	1.00000000			1.60000	0.960790000
0.6520	0.99789000			1.60100	0.957710000
0.6540	0.99307000			1.60200	0.968370000
0.6560	0.98567000			1.60300	0.968100000

0.6580	0.97194000			1.60400	0.981100000
0.6600	0.95121000			1.60500	0.985740000
0.6620	0.92923000			1.60600	0.955700000
0.6640	0.90016000			1.60700	0.961040000
0.6660	0.87321000			1.60800	0.955620000
0.6680	0.85415000			1.60900	0.981330000
0.6700	0.85318000			1.61000	0.987600000
0.6720	0.86726000			1.61100	0.992380000
0.6740	0.87199000			1.61200	0.972550000
0.6760	0.81662000			1.61300	0.964410000
0.6780	0.64769000			1.61400	0.964830000
0.6800	0.43377000			1.61500	0.962300000
0.6820	0.25540000			1.61600	0.953390000
0.6840	0.14503000			1.61700	0.955320000
0.6860	0.08242100			1.61800	0.977560000
0.6880	0.04664600			1.61900	0.967290000
0.6900	0.02717600			1.62000	0.958620000
0.6920	0.01649200			1.62100	0.974000000
0.6940	0.00984420			1.62200	0.994910000
0.6960	0.00592750			1.62300	0.986090000
0.6980	0.00362220			1.62400	1.000000000
0.7000	0.00206610			1.62500	0.996360000
0.7020	0.00152460			1.62600	0.995200000
0.7040	0.00089587			1.62700	0.997270000
0.7060	0.00059520			1.62800	0.936490000
0.7080	0.00026319			1.62900	0.913790000
0.7100	0.00033777			1.63000	0.830290000
0.7120	0.00011142			1.63100	0.794160000
0.7140	-0.00057225			1.63200	0.687140000
0.7160	-0.00006643			1.63300	0.596050000
0.7180	-0.00007643			1.63400	0.492270000
0.7200	-0.00009934			1.63500	0.403400000
0.7220	0.00006103			1.63600	0.334640000
0.7240	-0.00010191			1.63700	0.265710000
0.7260	-0.00014393			1.63800	0.215530000
0.7280	-0.00010387			1.63900	0.165970000
0.7300	-0.00000720			1.64000	0.137340000
0.7320	0.00003358			1.64100	0.106560000
0.7340	-0.00016057			1.64200	0.083706000
0.7360	-0.00009983			1.64300	0.065608000
0.7380	0.00001037			1.64400	0.054346000
0.7400	0.00001561			1.64500	0.041714000

0.7420	-0.00017319			1.64600	0.035551000
0.7440	0.00002311			1.64700	0.028365000
0.7460	0.00004173			1.64800	0.022670000
0.7480	0.00000615			1.64900	0.018466000
0.7500	-0.00010863			1.65000	0.015188000
0.7520	-0.00004217			1.65100	0.012731000
0.7540	0.00017665			1.65200	0.010535000
0.7560	-0.00021392			1.65300	0.008633800
0.7580	-0.00001722			1.65400	0.007232600
0.7600	-0.00008858			1.65500	0.006012300
0.7620	-0.00017982			1.65600	0.004980000
0.7640	-0.00004305			1.65700	0.003837800
0.7660	0.00001801			1.65800	0.003580300
0.7680	0.00000340			1.65900	0.002976100
0.7700	-0.00003730			1.66000	0.002343600
0.7720	-0.00012824			1.66100	0.002314000
0.7740	-0.00009216			1.66200	0.001955400
0.7760	-0.00009263			1.66300	0.001346900
0.7780	-0.00011483			1.66400	0.001345400
0.7800	-0.00008490			1.66500	0.000995970
0.7820	-0.00013215			1.66600	0.001078900
0.7840	-0.01468800			1.66700	0.000904210
0.7860	-0.00006084			1.66800	0.000654970
0.7880	0.00000003			1.66900	0.000664360
0.7900	0.00007289			1.67000	0.000687900
0.7920	-0.00007105			1.67100	0.000279930
0.7940	0.00007421			1.67200	0.000522200
0.7960	-0.00010106			1.67300	0.000324490
0.7980	-0.00021559			1.67400	0.000353510
0.8000	-0.00000594			1.67500	0.000335800
0.8020	0.00002729			1.67600	0.000404280
0.8040	0.00012729			1.67700	0.000052339
0.8060	-0.00001864			1.67800	0.000362860
0.8080	-0.00004721			1.67900	0.000065419
0.8100	-0.00005338			1.68000	0.000237100
0.8120	-0.00009274			1.68100	0.000198800
0.8140	-0.00008285			1.68200	0.000236440
0.8160	0.00013825			1.68300	0.000161770
0.8180	-0.00005375			1.68400	0.000134050
0.8200	-0.00013776			1.68500	0.000087196
0.8220	0.00011589			1.68600	-0.000106600
0.8240	0.00003944			1.68700	0.000122260

0.8260	-0.00003713			1.68800	-0.000148200
0.8280	-0.00004543			1.68900	0.000175020
0.8300	-0.00023922			1.69000	0.000304520
-	-	-		1.69100	-0.000207450
-	-	-		1.69200	0.000159340
-	-	-		1.69300	0.000148790
-	-	-		1.69400	0.000115020
-	-	-		1.69500	0.000186090
-	-	-		1.69600	0.000129450
-	-	-		1.69700	0.000223220
-	-	-		1.69800	0.000022254
-	-	-		1.69900	0.000019095
-	-	-		1.70000	0.000259410
-	-	-		1.70100	-0.000112300
-	-	-		1.70200	0.000146930
-	-	-		1.70300	0.000136550
-	-	-		1.70400	-0.000011754
-	-	-		1.70500	-0.000136470
-	-	-		1.70600	0.000156500
-	-	-		1.70700	0.000210620
-	-	-		1.70800	0.000080756
-	-	-		1.70900	-0.000024426
-	-	-		1.71000	0.000049405
-	-	-		1.71100	-0.000162530
-	-	-		1.71200	0.000224280
-	-	-		1.71300	-0.000023573
-	-	-		1.71400	-0.000106120
-	-	-		1.71500	-0.000034273
-	-	-		1.71600	0.000045336
-	-	-		1.71700	0.000150760
-	-	-		1.71800	0.000007784
-	-	-		1.71900	0.000025023
-	-	-		1.72000	0.000078705
-	-	-		1.72100	-0.000053822
-	-	-		1.72200	0.000209280
-	-	-		1.72300	-0.000084665
-	-	-		1.72400	0.000123780
-	-	-		1.72500	-0.000188790
-	-	-		1.72600	-0.000198710
-	-	-		1.72700	0.000234720
-	-	-		1.72800	-0.000005186
-	-	-		1.72900	0.000091868

-	-	-		1.73000	0.000151680
---	---	---	--	---------	-------------

Table D.7-9. MetOp-B AVHRR/3 Spectral Response Values for Channels 3B, 4 and 5

Channel 3B		Channel 4		Channel 5	
Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)	Wavelength (μm)	Relative Response (percent)
2.980	0.00000508	8.800	-0.00008036	10.000	0.00056318
2.987	0.00000968	8.820	-0.00001893	10.020	-0.00062907
2.994	-0.00001838	8.840	0.00001916	10.040	-0.00021863
3.001	-0.00000229	8.860	0.00001761	10.060	-0.00072595
3.008	-0.00000685	8.880	-0.00006131	10.080	-0.00033386
3.015	-0.00000503	8.900	-0.00010735	10.100	-0.00054509
3.022	-0.00000902	8.920	-0.00004398	10.120	-0.00060754
3.029	0.00000730	8.940	0.00000435	10.140	-0.00107290
3.036	0.00000638	8.960	-0.00002393	10.160	-0.00035918
3.043	0.00000301	8.980	0.00015792	10.180	0.00005249
3.050	0.00000131	9.000	0.00004284	10.200	-0.00041883
3.057	0.00000494	9.020	-0.00006190	10.220	-0.00062141
3.064	0.00000747	9.040	-0.00005120	10.240	-0.00081826
3.071	-0.00000139	9.060	-0.00003418	10.260	-0.00083298
3.078	0.00004052	9.080	-0.00010853	10.280	-0.00078193
3.085	-0.00001776	9.100	0.00012205	10.300	-0.00048686
3.092	-0.00000298	9.120	0.00004106	10.320	0.00006655
3.099	0.00000392	9.140	0.00008082	10.340	-0.00090574
3.106	0.00000209	9.160	0.00005821	10.360	-0.00043211
3.113	0.00001145	9.180	-0.00001577	10.380	-0.00098842
3.120	0.00000231	9.200	0.00000850	10.400	0.00004499
3.127	0.00003747	9.220	0.00005747	10.420	-0.00095159
3.134	0.00001634	9.240	-0.00007981	10.440	0.00302120
3.141	0.00000384	9.260	-0.00012827	10.460	-0.00126600
3.148	0.00001853	9.280	-0.00002455	10.480	0.00113840
3.155	0.00001657	9.300	0.00005446	10.500	0.00276970
3.162	-0.00000870	9.320	-0.00008629	10.520	0.00044942
3.169	0.00002638	9.340	-0.00004530	10.540	0.00321480
3.176	-0.00002147	9.360	-0.00013713	10.560	0.00293380
3.183	-0.00000444	9.380	-0.00004247	10.580	0.00053494
3.190	-0.00000134	9.400	-0.00004495	10.600	0.00063912
3.197	-0.00001572	9.420	-0.00004136	10.620	0.00335800
3.204	0.00000819	9.440	-0.00011146	10.640	0.00078403
3.211	-0.00001928	9.460	-0.00003575	10.660	0.00232270
3.218	0.00002562	9.480	0.00007551	10.680	0.00074448
3.225	0.00001194	9.500	0.00003428	10.700	0.00129250

3.232	0.00002634	9.520	0.00006991	10.720	0.00098164
3.239	-0.00000750	9.540	-0.00007151	10.740	0.00201320
3.246	0.00001255	9.560	-0.00015015	10.760	0.00275120
3.253	0.00001039	9.580	0.00016461	10.780	0.00059896
3.260	0.00002364	9.600	0.00003256	10.800	-0.00027322
3.267	0.00003492	9.620	0.00005023	10.820	0.00104410
3.274	0.00005294	9.640	-0.00011511	10.840	0.00008504
3.281	0.00004137	9.660	-0.00005455	10.860	0.00281120
3.288	0.00005209	9.680	-0.00004720	10.880	0.00108480
3.295	0.00005639	9.700	0.00006324	10.900	0.00052293
3.302	0.00008997	9.720	0.00017170	10.920	0.00159440
3.309	0.00008804	9.740	0.00020018	10.940	0.00103110
3.316	0.00009646	9.760	0.00036281	10.960	-0.00009957
3.323	0.00012132	9.780	0.00055111	10.980	0.00041718
3.330	0.00015848	9.800	0.00080483	11.000	-0.00070797
3.337	0.00014111	9.820	0.00108120	11.020	-0.00152270
3.344	0.00014970	9.840	0.00131520	11.040	-0.00089280
3.351	0.00018777	9.860	0.00199330	11.060	-0.00019214
3.358	0.00018081	9.880	0.00233550	11.080	-0.00138710
3.365	0.00021912	9.900	0.00298780	11.100	0.00084211
3.372	0.00029479	9.920	0.00340950	11.120	0.00057674
3.379	0.00034177	9.940	0.00428190	11.140	-0.00012968
3.386	0.00046575	9.960	0.00511990	11.160	-0.00166320
3.393	0.00062269	9.980	0.00733500	11.180	-0.00091153
3.400	0.00084692	10.000	0.00958470	11.200	-0.00085143
3.407	0.00114880	10.020	0.01268000	11.220	-0.00141130
3.414	0.00159770	10.040	0.01652200	11.240	-0.00094531
3.421	0.00219360	10.060	0.02082300	11.260	0.00043440
3.428	0.00300610	10.080	0.02892400	11.280	-0.00114530
3.435	0.00419200	10.100	0.03943700	11.300	-0.00125770
3.442	0.00564300	10.120	0.05509200	11.320	-0.00117300
3.449	0.00719840	10.140	0.07504900	11.340	-0.00058341
3.456	0.00945620	10.160	0.10200000	11.360	-0.00049172
3.463	0.01182600	10.180	0.13521000	11.380	-0.00087076
3.470	0.01462200	10.200	0.18164000	11.400	-0.00036770
3.477	0.01772900	10.220	0.23043000	11.420	0.00122940
3.484	0.02147100	10.240	0.29141000	11.440	0.00207240
3.491	0.02665000	10.260	0.36924000	11.460	0.00984800
3.498	0.03288200	10.280	0.45517000	11.480	0.02555400
3.505	0.04224100	10.300	0.55460000	11.500	0.06010900
3.512	0.05615700	10.320	0.65000000	11.520	0.13300000
3.519	0.07560000	10.340	0.74947000	11.540	0.27534000

3.526	0.10291000	10.360	0.83280000	11.560	0.48804000
3.533	0.14057000	10.380	0.89197000	11.580	0.71559000
3.540	0.19644000	10.400	0.91304000	11.600	0.86876000
3.547	0.27236000	10.420	0.93720000	11.620	0.92259000
3.554	0.37133000	10.440	0.95083000	11.640	0.91984000
3.561	0.49216000	10.460	0.94759000	11.660	0.92366000
3.568	0.60520000	10.480	0.95763000	11.680	0.92348000
3.575	0.72277000	10.500	0.95225000	11.700	0.93083000
3.582	0.79223000	10.520	0.93030000	11.720	0.95631000
3.589	0.81015000	10.540	0.92223000	11.740	0.95621000
3.596	0.80347000	10.560	0.92482000	11.760	0.96991000
3.603	0.81107000	10.580	0.92058000	11.780	0.97494000
3.610	0.81369000	10.600	0.92652000	11.800	0.98129000
3.617	0.81523000	10.620	0.92953000	11.820	0.97413000
3.624	0.81808000	10.640	0.94701000	11.840	0.97974000
3.631	0.81110000	10.660	0.95510000	11.860	0.98314000
3.638	0.81260000	10.680	0.96635000	11.880	0.97241000
3.645	0.81168000	10.700	0.95574000	11.900	0.97657000
3.652	0.81712000	10.720	0.98638000	11.920	0.97378000
3.659	0.81911000	10.740	0.97441000	11.940	0.97118000
3.666	0.82706000	10.760	0.99517000	11.960	0.97575000
3.673	0.82531000	10.780	0.98963000	11.980	0.98938000
3.680	0.82369000	10.800	0.99661000	12.000	0.97946000
3.687	0.83100000	10.820	0.98475000	12.020	0.98884000
3.694	0.83753000	10.840	0.99270000	12.040	0.99137000
3.701	0.83408000	10.860	1.00000000	12.060	1.00000000
3.708	0.84100000	10.880	0.99252000	12.080	0.98730000
3.715	0.86250000	10.900	0.98772000	12.100	0.97913000
3.722	0.85965000	10.920	0.98035000	12.120	0.97358000
3.729	0.85962000	10.940	0.98203000	12.140	0.96800000
3.736	0.86691000	10.960	0.97078000	12.160	0.95843000
3.743	0.86264000	10.980	0.96874000	12.180	0.95541000
3.750	0.88044000	11.000	0.96789000	12.200	0.94383000
3.757	0.87646000	11.020	0.94467000	12.220	0.94400000
3.764	0.88621000	11.040	0.93186000	12.240	0.94149000
3.771	0.88511000	11.060	0.90258000	12.260	0.93329000
3.778	0.89247000	11.080	0.87792000	12.280	0.94086000
3.785	0.88768000	11.100	0.84537000	12.300	0.94037000
3.792	0.90158000	11.120	0.78800000	12.320	0.94119000
3.799	0.90945000	11.140	0.74996000	12.340	0.93364000
3.806	0.92280000	11.160	0.69041000	12.360	0.93111000
3.813	0.91846000	11.180	0.63093000	12.380	0.92813000

3.820	0.91929000	11.200	0.55366000	12.400	0.92528000
3.827	0.93736000	11.220	0.46137000	12.420	0.92541000
3.834	0.90004000	11.240	0.36089000	12.440	0.91432000
3.841	0.91983000	11.260	0.27573000	12.460	0.90642000
3.848	0.91578000	11.280	0.19609000	12.480	0.89346000
3.855	0.92624000	11.300	0.14017000	12.500	0.84529000
3.862	0.93888000	11.320	0.09843200	12.520	0.72033000
3.869	0.93830000	11.340	0.06945700	12.540	0.55962000
3.876	0.94799000	11.360	0.05135400	12.560	0.37422000
3.883	0.96071000	11.380	0.04026300	12.580	0.21811000
3.890	0.96331000	11.400	0.02983500	12.600	0.11665000
3.897	0.97377000	11.420	0.02402400	12.620	0.05073500
3.904	0.95895000	11.440	0.01966600	12.640	0.02499500
3.911	0.96854000	11.460	0.01440400	12.660	0.01256900
3.918	0.93834000	11.480	0.01077000	12.680	0.00526620
3.925	1.00000000	11.500	0.00874080	12.700	0.00176090
3.932	0.89143000	11.520	0.00716170	12.720	-0.00201850
3.939	0.75771000	11.540	0.00630190	12.740	0.00051316
3.946	0.59276000	11.560	0.00481460	12.760	0.00152930
3.953	0.44084000	11.580	0.00508080	12.780	-0.00151600
3.960	0.32923000	11.600	0.00326220	12.800	-0.00310900
3.967	0.23109000	11.620	0.00283510	12.820	0.00223100
3.974	0.16487000	11.640	0.00213150	12.840	0.00108980
3.981	0.11541000	11.660	0.00203150	12.860	-0.00069668
3.988	0.07918200	11.680	0.00131600	12.880	0.00157090
3.995	0.05659300	11.700	0.00132660	12.900	-0.00280910
4.002	0.04020200	11.720	0.00092098	12.920	-0.00360090
4.009	0.02894000	11.740	0.00061250	12.940	0.00112340
4.016	0.02120500	11.760	0.00030269	12.960	-0.00287450
4.023	0.01608500	11.780	-0.00037521	12.980	0.00052712
4.030	0.01224900	11.800	0.00059771	13.000	0.00211170
4.037	0.00935780	11.820	0.00028134	13.020	0.00304970
4.044	0.00747400	11.840	0.00041029	13.040	0.00176620
4.051	0.00584580	11.860	0.00016921	13.060	0.00311350
4.058	0.00471730	11.880	0.00010575	13.080	0.00218120
4.065	0.00390440	11.900	0.00011359	13.100	0.00423110
4.072	0.00305280	11.920	0.00040389	13.120	0.00065949
4.079	0.00259140	11.940	-0.00020131	13.140	-0.00391690
4.086	0.00199490	11.960	0.00045560	13.160	0.00314090
4.093	0.00174930	11.980	-0.00048074	13.180	-0.00284880
4.100	0.00136660	12.000	-0.00026066	13.200	-0.00295080
4.107	0.00111960	12.020	0.00001263	13.220	0.00118890

4.114	0.00083853	12.040	0.00016527	13.240	0.00290750
4.121	0.00065398	12.060	-0.00001229	13.260	0.00831410
4.128	0.00047147	12.080	-0.00000551	13.280	0.00110680
4.135	0.00034360	12.100	-0.00032664	13.300	0.00131090
4.142	0.00030657	12.120	0.00020091	13.320	-0.00104230
4.149	0.00026329	12.140	0.00008586	13.340	0.00100960
4.156	0.00020121	12.160	0.00019772	13.360	0.00093922
4.163	0.00019194	12.180	0.00001919	13.380	-0.00301550
4.170	0.00010838	12.200	0.00001924	13.400	-0.00105210
4.177	0.00032553	12.220	-0.00039087	13.420	-0.00201130
4.184	0.00021207	12.240	0.00029574	13.440	-0.00495900
4.191	0.00011910	12.260	-0.00003664	13.460	-0.00188660
4.198	0.00007604	12.280	-0.00002106	13.480	0.00204190
4.205	-0.00006446	12.300	-0.00010464	13.500	0.00081562
4.212	-0.00018282	12.320	-0.00008421	13.520	0.00058922
4.219	-0.00001561	12.340	0.00045498	13.540	0.00404220
4.226	0.00050283	12.360	-0.00039295	13.560	0.00038654
4.233	0.00003018	12.380	0.00072908	13.580	0.00145310
4.240	-0.00019533	12.400	-0.00014269	13.600	0.00051084
4.247	-0.00048255	12.420	0.00068225	13.620	0.00381940
4.254	-0.00012385	12.440	-0.00036456	13.640	0.00640420
4.261	-0.00014211	12.460	-0.00021209	13.660	0.00130070
4.268	-0.00026196	12.480	-0.00013351	13.680	0.00337420
4.275	-0.00016967	12.500	0.00018237	13.700	0.00519960
4.282	-0.00001760	12.520	0.00017760	13.720	0.00304820
4.289	0.00000386	12.540	-0.00050029	13.740	0.00038239
4.296	0.00001424	12.560	-0.00003255	13.760	0.00006128
4.303	0.00002041	12.580	0.00059975	13.780	-0.00119690
4.310	0.00001790	12.600	-0.00001191	13.800	-0.00384750
4.317	0.00005586	12.620	0.00022072	13.820	0.00486140
4.324	-0.00001387	12.640	-0.00023501	13.840	-0.00324080
4.331	-0.00002520	12.660	0.00004242	13.860	-0.00087508
4.338	-0.00005657	12.680	0.00036990	13.880	0.00655280
4.345	-0.00002541	12.700	-0.00014223	13.900	-0.00009481
4.352	-0.00003748	12.720	0.00010440	13.920	0.00391760
4.359	-0.00006434	12.740	-0.00039481	13.940	-0.00167550
4.366	-0.00001653	12.760	-0.00005571	13.960	-0.00325050
4.373	0.00005343	12.780	0.00006544	13.980	-0.00244970
4.380	0.00001735	12.800	0.00020174	14.000	0.00190970
4.387	-0.00000441				
4.394	-0.00000859				
4.401	-0.00001955				

4.408	-0.00003920				
4.415	-0.00000759				
4.422	0.00001209				
4.429	-0.00002412				
4.436	0.00003428				
4.443	-0.00000221				
4.450	0.00001969				
4.457	-0.00000986				
4.464	0.00004424				
4.471	0.00002294				
4.478	0.00002803				
4.485	-0.00000990				
4.492	0.00003985				
4.499	-0.00002494				

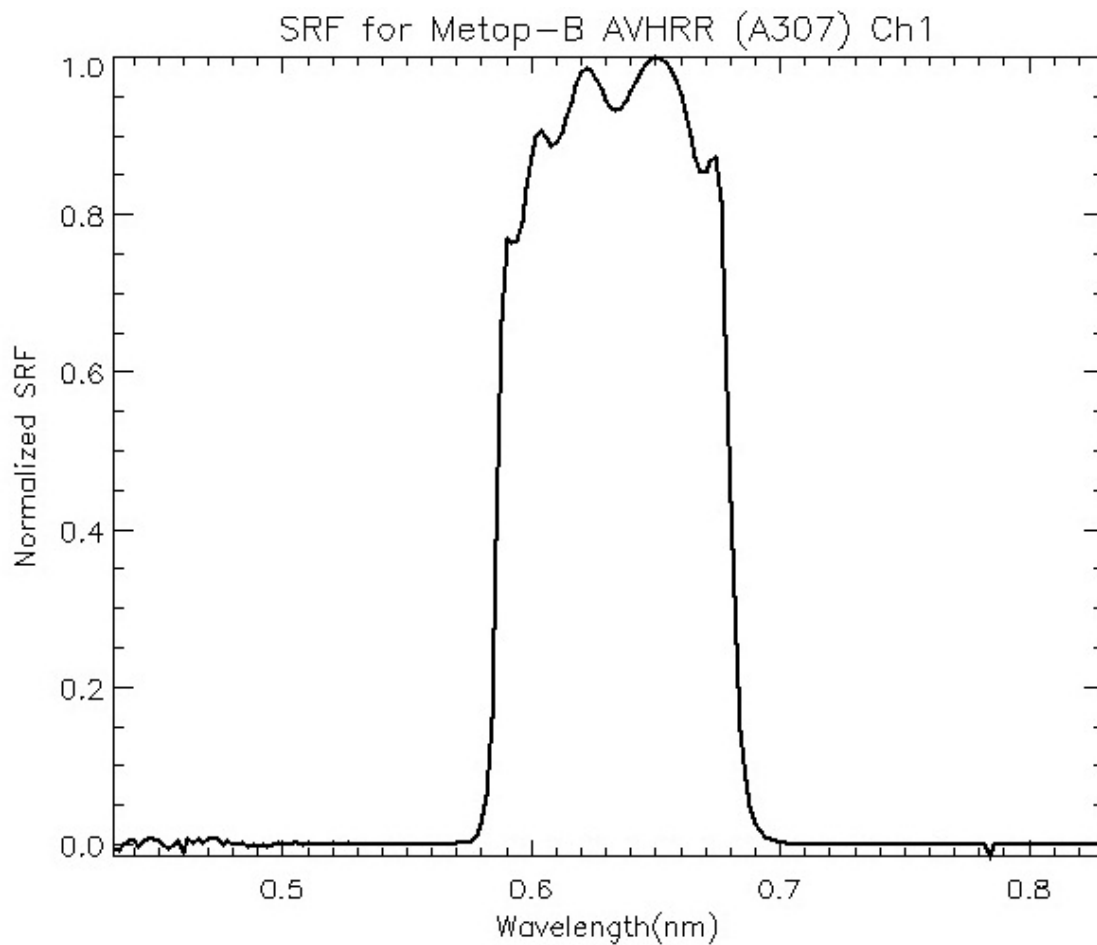


Figure D.7-1. Spectral Response Curve for MetOp-B Channel 1.

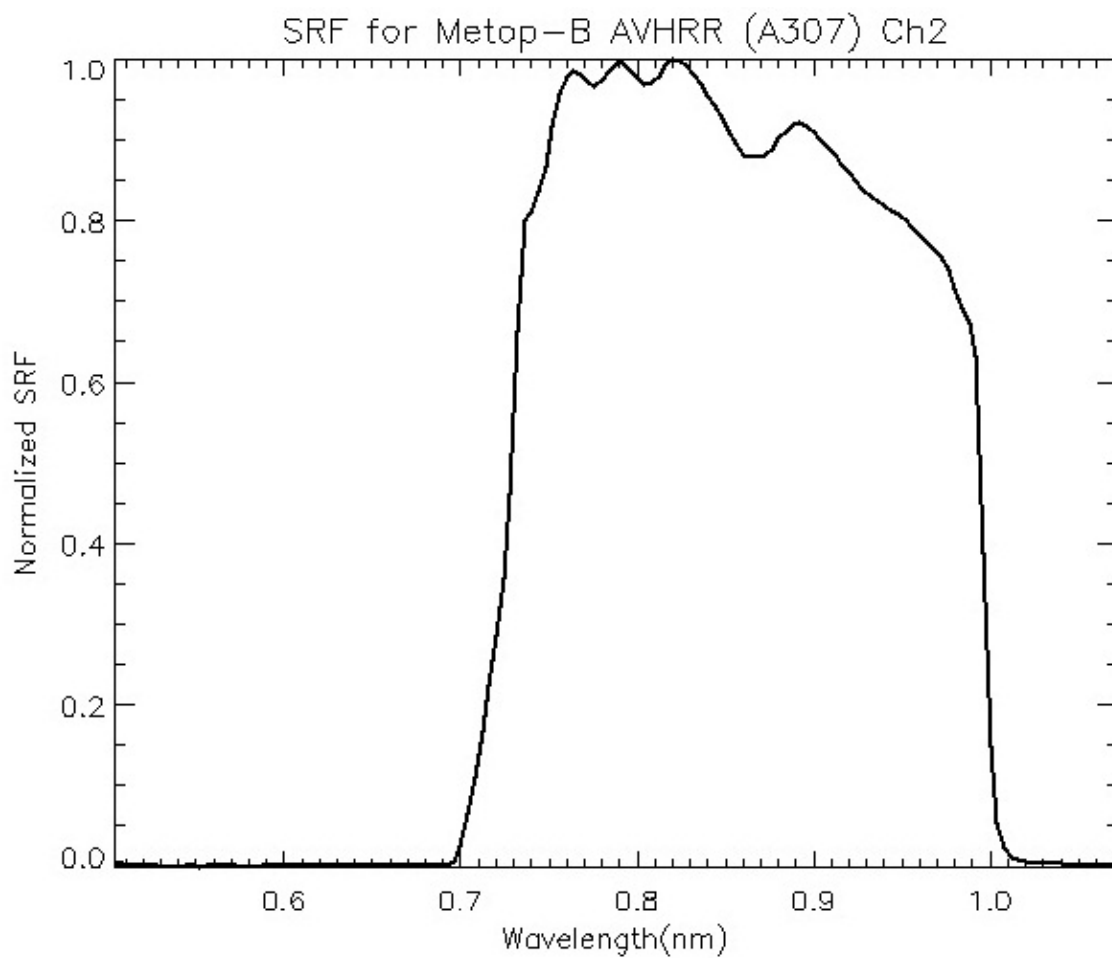


Figure D.7-2. Spectral Response Curve for MetOp-B Channel 2.

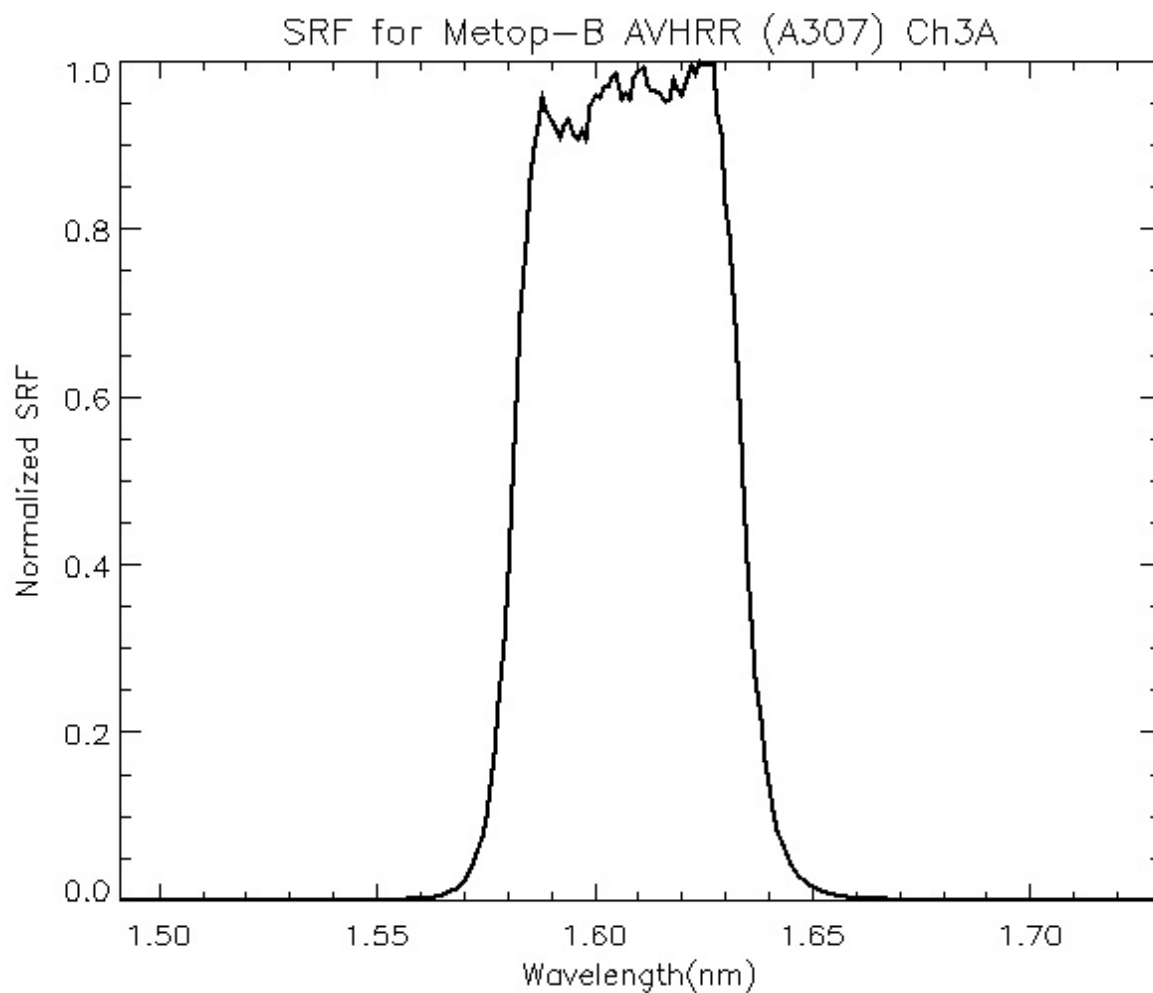


Figure D.7-3. Spectral Response Curve for MetOp-B Channel 3A.

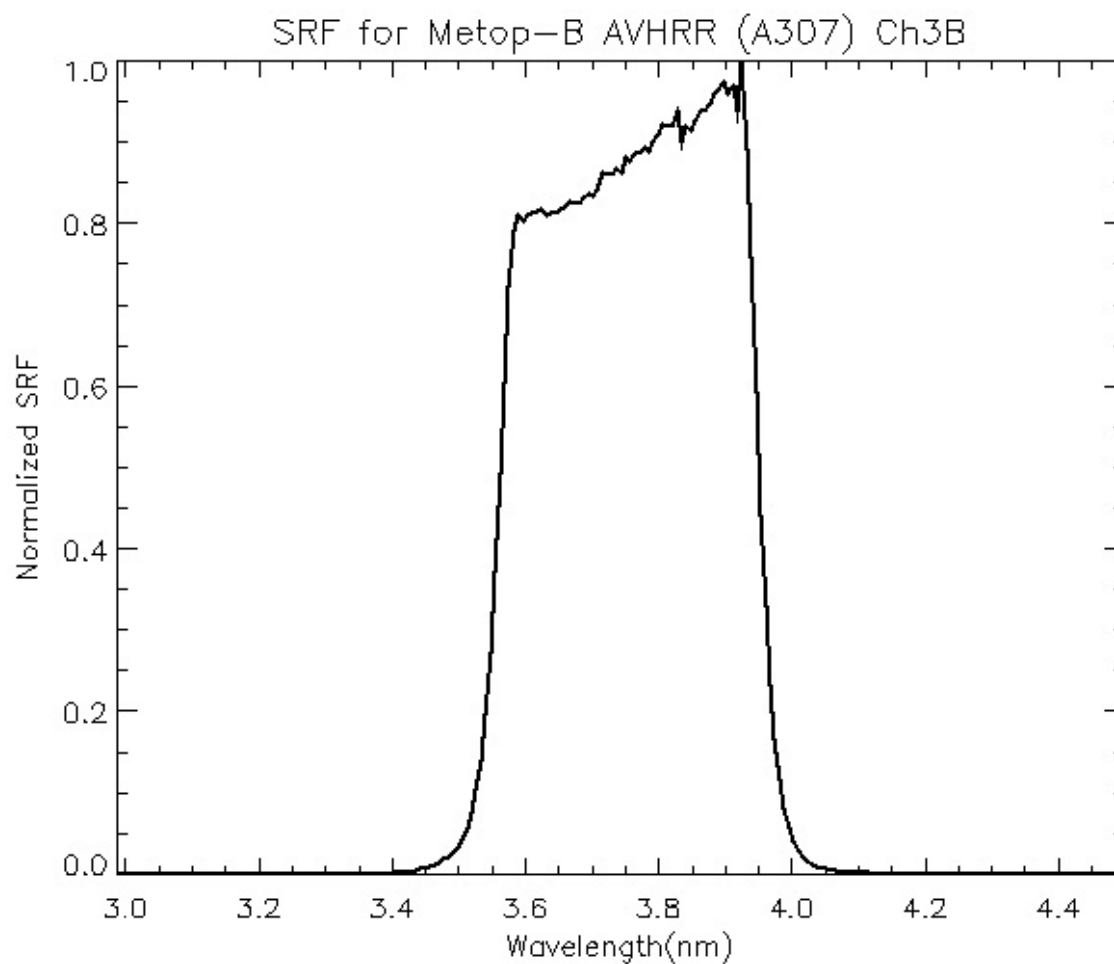


Figure D.7-4. Spectral Response Curve for MetOp-B Channel 3B.

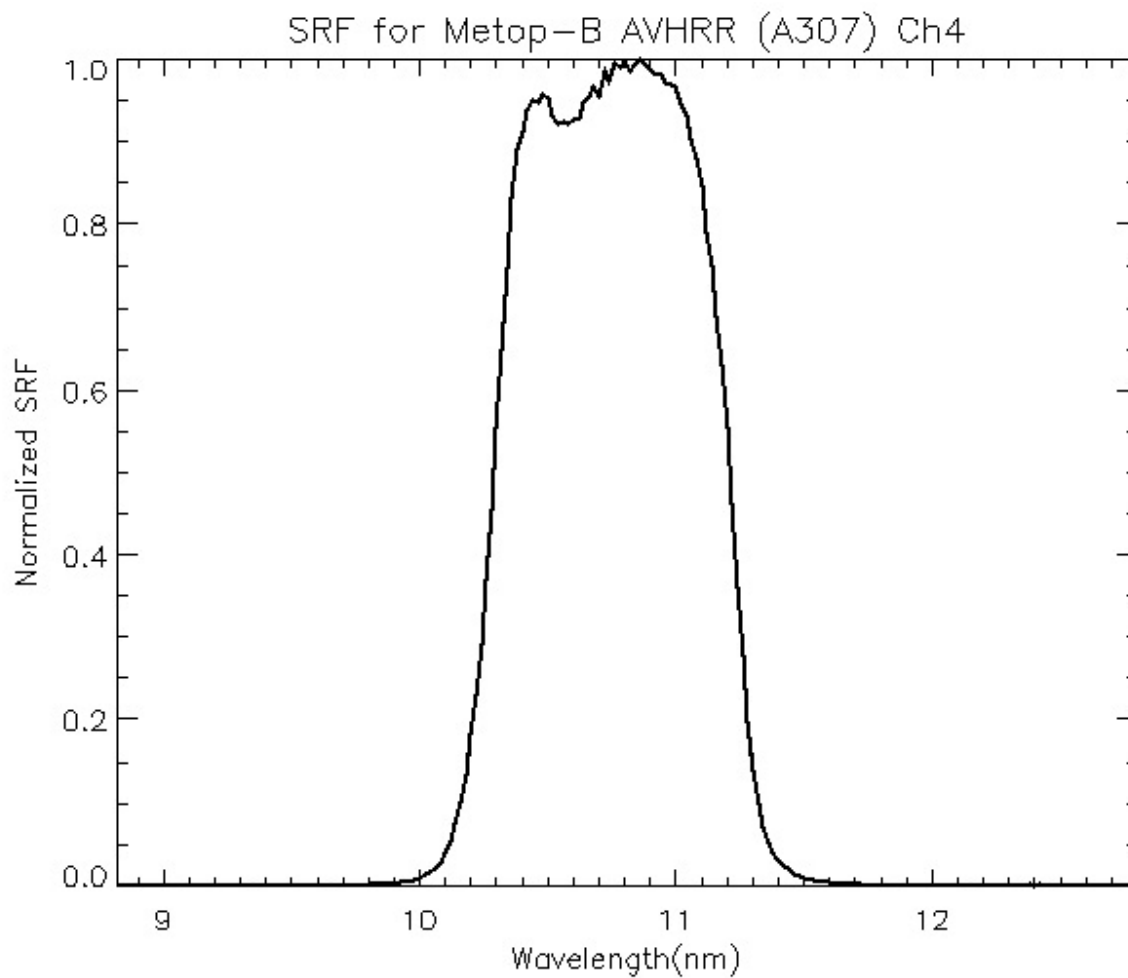


Figure D.7-5. Spectral Response Curve for MetOp-B Channel 4.

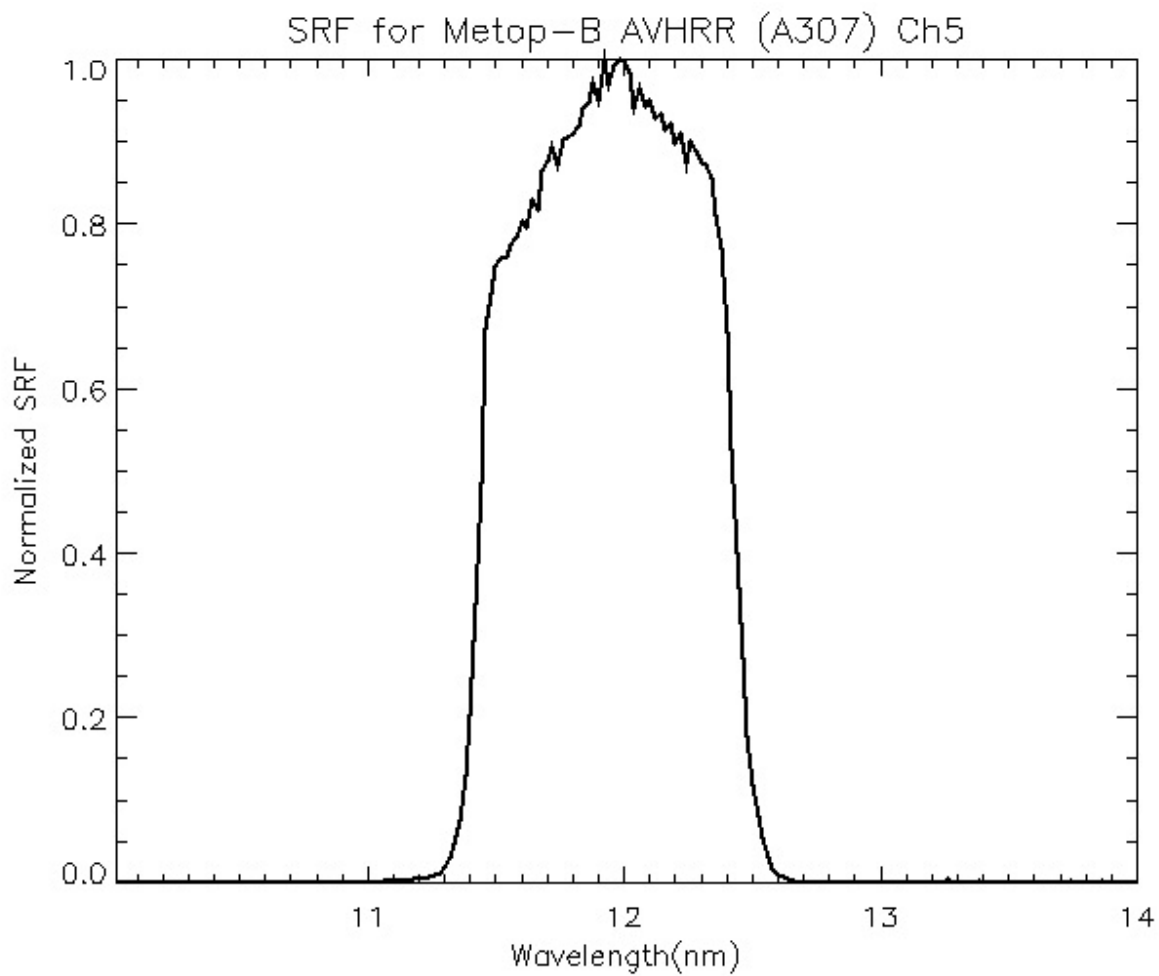


Figure D.7-6. Spectral Response Curve for MetOp-B Channel 5.

HIRS:

Table D.7-10 contains the NOAA-P HIRS/H308 central wave numbers, half power bandwidth and band correction coefficients for the thermal channels.

Table D.7-10. MetOp-B HIRS (H307) Central Wave Numbers (ν_C), Half Power Bandwidth and Band Correction Coefficients (b and c).				
Channel #	ν_C (cm⁻¹)	Half power bandwidth (cm⁻¹)	b	c
1	668.83	3.20	0.002298	0.999989
2	679.28	12.14	.0127210.	0.999940
3	690.37	14.06	.0.022041	0.999898
4	703.80	14.88	0.019609	0.999911
5	714.94	17.53	0.026485	0.999882
6	731.45	14.85	0.022291	0.999903
7	747.36	18.32	0.027144	0.999884
8	898.80	34.83	0.065263	0.999769
9	1029.23	22.71	0.037616	0.999879
10	802.65	15.58	0.017691	0.999930
11	1360.75	36.89	0.084581	0.999787
12	1533.60	51.95	0.122084	0.999721
13	2185.71	22.79	0.026447	0.999956
14	2206.64	22.70	0.025216	0.999958
15	2234.18	20.45	0.020582	0.999966
16	2242.95	23.90	0.022796	0.999962
17	2421.05	30.84	0.042463	0.999935
18	2515.97	36.27	0.052340	0.999925
19	2664.83	102.99	0.396190	0.999574

Table D.6-11 contains the Internal Warm Temperature (IWT) PRT count to temperature coefficients for the NOAA-19 HIRS/H308 instrument.

Table D.7-11 MetOp-B IWT PRT Count to Temperature Coefficients for HIRS/307.						
PRT	A	B	C	D	E	F
1	301.3420	6.56263 E-03	8.746160 E-08	3.706978 E-11	1.074574 E-15	5.417087 E-19
2	301.3614	6.55501 E-03	8.781544 E-08	3.704888 E-11	9.813218 E-16	5.373182 E-19
3	301.3454	6.55864 E-03	8.759710 E-08	3.716591 E-11	1.021348 E-15	5.279012 E-19
4	301.3850	6.563882 E-03	8.735222 E-08	3.644194 E-11	1.045697 E-15	5.706749 E-19

5	301.4011	6.554222 E-03	8.723129 E-08	3.673249 E-11	1.045459 E-15	5.507417 E-19
This information is based on the data in HIRS/4 H308 Alignment/Calibration Handbook, Revision E,						

Table D.-12 contains the primary, secondary and tertiary telescope temperature coefficients for the MetOp-B HIRS/H307 instrument.

Table D.7-12. MetOp-B HIRS H307 Primary, Secondary and Tertiary Telescope Temperature Coefficients (C).						
	A	B	C	D	E	F
Primary	260.1752	1.776047 E-02	-3.942533 E-06	1.450393 E-09	-2.857401 E-13	2.971761 E-17
Secondary	260.2281	1.769937 E-02	-3.896008 E-06	1.437580 E-09	-2.851347 E-13	2.984052 E-017
Tertiary	260.1109	1.759282 E-02	1.303540 E-06	-2.473824 E-09	-2.473842 E-13	2.604968 E-17
This information is based on the data in HIRS/4 H308 Alignment/Calibration Handbook, Revision E, May 2003.						

Table D.7-13 contains the actual filter functions for MetOp-B HIRS/H307. The same information can be downloaded as an ASCII file or viewed as a graphic file from the following website: <http://www.orbit.nesdis.noaa.gov/smcd/spb/calibration/hirs/srf/hirssrf.html>.

Table D.7-13. Normalized Response Functions for the MetOp-B HIRS H307 Thermal Channels.				
Channel 1				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
660.4	0.000000	0.203906	0.000000	0.000000
660.5	0.001000	0.204062	0.000204	0.002383
660.6	0.001391	0.204218	0.000284	0.003317
660.7	0.001783	0.204374	0.000364	0.004254
660.8	0.002174	0.204531	0.000445	0.005192
660.9	0.002565	0.204687	0.000525	0.006131
661.0	0.002956	0.204844	0.000606	0.007071
661.1	0.003348	0.205001	0.000686	0.008013
661.2	0.003739	0.205158	0.000767	0.008957
661.3	0.004130	0.205321	0.000848	0.009902
661.4	0.004522	0.205490	0.000929	0.010849
661.5	0.004913	0.205659	0.001010	0.011798
661.6	0.005304	0.205839	0.001092	0.012748

661.7	0.005696	0.206013	0.001173	0.013701
661.8	0.006087	0.206187	0.001255	0.014654
661.9	0.006478	0.206367	0.001337	0.015610
662.0	0.006870	0.206547	0.001419	0.016567
662.1	0.007261	0.207040	0.001503	0.017553
662.2	0.007652	0.207534	0.001588	0.018543
662.3	0.008044	0.208031	0.001673	0.019538
662.4	0.008435	0.208533	0.001759	0.020537
662.5	0.008826	0.209036	0.001845	0.021542
662.6	0.009217	0.209544	0.001931	0.022552
662.7	0.009609	0.210053	0.002018	0.023566
662.8	0.010000	0.210565	0.002106	0.024586
662.9	0.010403	0.211079	0.002196	0.025639
663.0	0.010817	0.211594	0.002289	0.026724
663.1	0.011243	0.212115	0.002385	0.027845
663.2	0.011681	0.212638	0.002484	0.029001
663.3	0.012130	0.213162	0.002586	0.030190
663.4	0.012591	0.213688	0.002691	0.031415
663.5	0.013064	0.214215	0.002799	0.032675
663.6	0.013548	0.214738	0.002909	0.033969
663.7	0.014043	0.215257	0.003023	0.035295
663.8	0.014551	0.215777	0.003140	0.036660
663.9	0.015070	0.216299	0.003260	0.038059
664.0	0.015600	0.216821	0.003382	0.039493
664.1	0.018009	0.217081	0.003909	0.045647
664.2	0.020900	0.217342	0.004542	0.053038
664.3	0.023691	0.217603	0.005155	0.060193
664.4	0.025800	0.217862	0.005621	0.065629
664.5	0.027809	0.218122	0.006066	0.070824
664.6	0.029500	0.218379	0.006442	0.075219
664.7	0.031010	0.218635	0.006780	0.079162
664.8	0.033000	0.218890	0.007223	0.084340
664.9	0.036013	0.219142	0.007892	0.092147
665.0	0.039600	0.219394	0.008688	0.101441
665.1	0.043150	0.219643	0.009478	0.110661
665.2	0.046400	0.219891	0.010203	0.119130
665.3	0.049289	0.220140	0.010850	0.126691
665.4	0.052200	0.220389	0.011504	0.134325
664.4	0.025800	0.217862	0.005621	0.065629
664.5	0.027809	0.218122	0.006066	0.070824
664.6	0.029500	0.218379	0.006442	0.075219
664.7	0.031010	0.218635	0.006780	0.079162
664.8	0.033000	0.218890	0.007223	0.084340

664.9	0.036013	0.219142	0.007892	0.092147
665.0	0.039600	0.219394	0.008688	0.101441
665.1	0.043150	0.219643	0.009478	0.110661
665.2	0.046400	0.219891	0.010203	0.119130
665.3	0.049289	0.220140	0.010850	0.126691
665.4	0.052200	0.220389	0.011504	0.134325
665.5	0.055584	0.220637	0.012264	0.143194
665.6	0.059700	0.220877	0.013186	0.153964
665.7	0.064652	0.221117	0.014296	0.166916
665.8	0.070100	0.221357	0.015517	0.181179
665.9	0.075685	0.221598	0.016772	0.195826
666.0	0.081400	0.221839	0.018058	0.210843
666.1	0.087208	0.222240	0.019381	0.226295
666.2	0.092600	0.222642	0.020617	0.240721
666.3	0.097170	0.223045	0.021673	0.253058
666.4	0.101400	0.223449	0.022658	0.264552
666.5	0.105990	0.223853	0.023726	0.277028
666.6	0.111600	0.224259	0.025027	0.292219
666.7	0.118800	0.224665	0.026690	0.311635
666.8	0.127800	0.225071	0.028764	0.335851
666.9	0.138460	0.225478	0.031220	0.364523
667.0	0.149600	0.225886	0.033793	0.394563
667.1	0.160010	0.226322	0.036214	0.422835
667.2	0.169300	0.226759	0.038390	0.448247
667.3	0.177570	0.227197	0.040343	0.471050
667.4	0.186000	0.227634	0.042340	0.494362
667.5	0.195890	0.228062	0.044675	0.521629
667.6	0.208000	0.228489	0.047526	0.554913
667.7	0.222810	0.228917	0.051005	0.595536
667.8	0.240100	0.229344	0.055066	0.642948
667.9	0.259150	0.229772	0.059545	0.695253
668.0	0.277900	0.230200	0.063972	0.746945
668.1	0.294320	0.230731	0.067909	0.792905
668.2	0.308000	0.231263	0.071229	0.831672
668.3	0.318980	0.231796	0.073938	0.863306
668.4	0.327600	0.232330	0.076111	0.888678
668.5	0.334370	0.232864	0.077863	0.909130
668.6	0.340300	0.233401	0.079426	0.927386
668.7	0.346280	0.233939	0.081008	0.945857
668.8	0.352200	0.234478	0.082583	0.964246
668.9	0.357560	0.235019	0.084033	0.981178
669.0	0.361400	0.235561	0.085132	0.994001
669.1	0.362750	0.236101	0.085645	1.000000

669.2	0.361100	0.236641	0.085451	0.997730
669.3	0.356310	0.237184	0.084511	0.986754
669.4	0.349200	0.237723	0.083013	0.969260
669.5	0.340580	0.238258	0.081146	0.947462
669.6	0.330300	0.238796	0.078874	0.920940
669.7	0.318040	0.239335	0.076118	0.888758
669.8	0.303800	0.239875	0.072874	0.850882
669.9	0.287780	0.240417	0.069187	0.807834
670.0	0.270700	0.240960	0.065228	0.761603
670.1	0.253450	0.241270	0.061150	0.713987
670.2	0.237100	0.241579	0.057278	0.668785
670.3	0.222380	0.241889	0.053791	0.628070
670.4	0.208500	0.242199	0.050499	0.589623
670.5	0.194450	0.242510	0.047156	0.550595
670.6	0.180000	0.242819	0.043707	0.510330
670.7	0.165090	0.243128	0.040138	0.468654
670.8	0.149600	0.243438	0.036418	0.425221
670.9	0.133660	0.243746	0.032579	0.380396
671.0	0.118400	0.244056	0.028896	0.337393
671.1	0.104970	0.244362	0.025651	0.299498
671.2	0.093500	0.244668	0.022876	0.267106
671.3	0.083932	0.244971	0.020561	0.240070
671.4	0.076400	0.245268	0.018738	0.218791
671.5	0.070852	0.245564	0.017399	0.203148
671.6	0.066300	0.245860	0.016301	0.190326
671.7	0.061671	0.246157	0.015181	0.177251
671.8	0.056500	0.246453	0.013925	0.162584
671.9	0.050450	0.246748	0.012448	0.145349
672.0	0.043100	0.247044	0.010648	0.124322
672.1	0.034453	0.247428	0.008525	0.099534
672.2	0.026300	0.247813	0.006517	0.076098
672.3	0.020439	0.248197	0.005073	0.059231
672.4	0.016900	0.248580	0.004201	0.049051
672.5	0.015253	0.248964	0.003797	0.044339
672.6	0.015000	0.249345	0.003740	0.043670
672.7	0.015560	0.249727	0.003886	0.045370
672.8	0.016100	0.250108	0.004027	0.047016
672.9	0.015895	0.250489	0.003982	0.046488
673.0	0.014900	0.250869	0.003738	0.043644
673.1	0.013189	0.251247	0.003314	0.038691
673.2	0.011700	0.251624	0.002944	0.034374
673.3	0.011371	0.251991	0.002865	0.033456
673.4	0.011060	0.252358	0.002791	0.032589

673.5	0.010768	0.252725	0.002721	0.031775
673.6	0.010494	0.253092	0.002656	0.031011
673.7	0.010238	0.253458	0.002595	0.030298
673.8	0.010000	0.253824	0.002538	0.029637
673.9	0.009780	0.254190	0.002486	0.029028
674.0	0.009561	0.254557	0.002434	0.028417
674.1	0.009342	0.254744	0.002380	0.027785
674.2	0.009122	0.254931	0.002325	0.027152
674.3	0.008902	0.255117	0.002271	0.026518
674.4	0.008683	0.255303	0.002217	0.025883
674.5	0.008463	0.255489	0.002162	0.025247
674.6	0.008244	0.255674	0.002108	0.024610
674.7	0.008024	0.255859	0.002053	0.023972
674.8	0.007805	0.256044	0.001998	0.023333
674.9	0.007585	0.256229	0.001944	0.022694
675.0	0.007366	0.256413	0.001889	0.022053
675.1	0.007146	0.256588	0.001834	0.021410
675.2	0.006927	0.256757	0.001779	0.020766
675.3	0.006707	0.256922	0.001723	0.020121
675.4	0.006488	0.257086	0.001668	0.019475
675.5	0.006268	0.257251	0.001613	0.018828
675.6	0.006049	0.257414	0.001557	0.018180
675.7	0.005829	0.257577	0.001501	0.017532
675.8	0.005610	0.257740	0.001446	0.016882
675.9	0.005390	0.257903	0.001390	0.016231
676.0	0.005171	0.258065	0.001334	0.015580
676.1	0.004951	0.258327	0.001279	0.014934
676.2	0.004732	0.258588	0.001224	0.014286
676.3	0.004512	0.258850	0.001168	0.013637
676.4	0.004293	0.259110	0.001112	0.012987
676.5	0.004073	0.259371	0.001056	0.012335
676.6	0.003854	0.259632	0.001001	0.011682
676.7	0.003634	0.259892	0.000944	0.011028
676.8	0.003415	0.260152	0.000888	0.010372
676.9	0.003195	0.260411	0.000832	0.009715
677.0	0.002976	0.260671	0.000776	0.009057
677.1	0.002756	0.260922	0.000719	0.008397
677.2	0.002537	0.261169	0.000662	0.007735
677.3	0.002317	0.261414	0.000606	0.007072
677.4	0.002098	0.261659	0.000549	0.006408
677.5	0.001878	0.261903	0.000492	0.005743
677.6	0.001659	0.262145	0.000435	0.005076
677.7	0.001439	0.262388	0.000378	0.004409

677.8	0.001220	0.262629	0.000320	0.003740
677.9	0.001000	0.262869	0.000263	0.003069
678.0	0.000000	0.263109	0.000000	0.000000
Channel 2				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
659.7	0.000000	0.201968	0.000000	0.000000
659.8	0.000579	0.202405	0.000117	0.000678
659.9	0.001000	0.202843	0.000203	0.001175
660.0	0.001145	0.203281	0.000233	0.001348
660.1	0.001290	0.203437	0.000262	0.001520
660.2	0.001435	0.203593	0.000292	0.001693
660.3	0.001581	0.203749	0.000322	0.001865
660.4	0.001726	0.203906	0.000352	0.002038
660.5	0.001871	0.204062	0.000382	0.002211
660.6	0.002016	0.204218	0.000412	0.002385
660.7	0.002161	0.204374	0.000442	0.002558
660.8	0.002307	0.204531	0.000472	0.002732
660.9	0.002452	0.204687	0.000502	0.002906
661.0	0.002597	0.204844	0.000532	0.003081
661.1	0.002742	0.205001	0.000562	0.003256
661.2	0.002887	0.205158	0.000592	0.003431
661.3	0.003032	0.205321	0.000623	0.003606
661.4	0.003177	0.205490	0.000653	0.003782
661.5	0.003323	0.205659	0.000683	0.003958
661.6	0.003468	0.205839	0.000714	0.004134
661.7	0.003613	0.206013	0.000744	0.004311
661.8	0.003758	0.206187	0.000775	0.004488
661.9	0.003903	0.206367	0.000805	0.004665
662.0	0.004048	0.206547	0.000836	0.004843
662.1	0.004194	0.207040	0.000868	0.005029
662.2	0.004339	0.207534	0.000900	0.005215
662.3	0.004484	0.208031	0.000933	0.005403
662.4	0.004629	0.208533	0.000965	0.005591
662.5	0.004774	0.209036	0.000998	0.005780
662.6	0.004919	0.209544	0.001031	0.005970
662.7	0.005065	0.210053	0.001064	0.006161
662.8	0.005210	0.210565	0.001097	0.006353
662.9	0.005355	0.211079	0.001130	0.006546
663.0	0.005500	0.211594	0.001164	0.006740

663.1	0.005645	0.212115	0.001197	0.006935
663.2	0.005790	0.212638	0.001231	0.007131
663.3	0.005935	0.213162	0.001265	0.007328
663.4	0.006081	0.213688	0.001299	0.007526
663.5	0.006226	0.214215	0.001334	0.007724
663.6	0.006371	0.214738	0.001368	0.007924
663.7	0.006516	0.215257	0.001403	0.008124
663.8	0.006661	0.215777	0.001437	0.008325
663.9	0.006807	0.216299	0.001472	0.008527
664.0	0.006952	0.216821	0.001507	0.008730
664.1	0.007097	0.217081	0.001541	0.008923
664.2	0.007242	0.217342	0.001574	0.009116
664.3	0.007387	0.217603	0.001607	0.009310
664.4	0.007532	0.217862	0.001641	0.009504
664.5	0.007677	0.218122	0.001675	0.009699
664.6	0.007823	0.218379	0.001708	0.009894
664.7	0.007968	0.218635	0.001742	0.010089
664.8	0.008113	0.218890	0.001776	0.010285
664.9	0.008258	0.219142	0.001810	0.010481
665.0	0.008403	0.219394	0.001844	0.010678
665.1	0.008548	0.219643	0.001878	0.010875
665.2	0.008693	0.219891	0.001912	0.011072
665.3	0.008839	0.220140	0.001946	0.011269
665.4	0.008984	0.220389	0.001980	0.011468
665.5	0.009129	0.220637	0.002014	0.011666
665.6	0.009274	0.220877	0.002048	0.011864
665.7	0.009419	0.221117	0.002083	0.012063
665.8	0.009565	0.221357	0.002117	0.012262
665.9	0.009710	0.221598	0.002152	0.012462
666.0	0.009855	0.221839	0.002186	0.012662
666.1	0.010000	0.222240	0.002222	0.012872
666.2	0.013574	0.222642	0.003022	0.017504
666.3	0.017000	0.223045	0.003792	0.021961
666.4	0.017129	0.223449	0.003827	0.022168
666.5	0.016100	0.223853	0.003604	0.020874
666.6	0.015661	0.224259	0.003512	0.020341
666.7	0.016100	0.224665	0.003617	0.020950
666.8	0.017264	0.225071	0.003886	0.022505
666.9	0.018700	0.225478	0.004216	0.024421
667.0	0.019871	0.225886	0.004489	0.025997
667.1	0.020200	0.226322	0.004572	0.026478
667.2	0.019289	0.226759	0.004374	0.025333
667.3	0.017500	0.227197	0.003976	0.023028

667.4	0.015522	0.227634	0.003533	0.020464
667.5	0.014600	0.228062	0.003330	0.019285
667.6	0.015685	0.228489	0.003584	0.020757
667.7	0.018000	0.228917	0.004121	0.023865
667.8	0.020712	0.229344	0.004750	0.027512
667.9	0.024500	0.229772	0.005629	0.032604
668.0	0.029742	0.230200	0.006847	0.039654
668.1	0.034100	0.230731	0.007868	0.045569
668.2	0.035446	0.231263	0.008197	0.047477
668.3	0.035200	0.231796	0.008159	0.047257
668.4	0.035226	0.232330	0.008184	0.047400
668.5	0.035600	0.232864	0.008290	0.048014
668.6	0.036439	0.233401	0.008505	0.049259
668.7	0.039800	0.233939	0.009311	0.053926
668.8	0.047044	0.234478	0.011031	0.063888
668.9	0.054800	0.235019	0.012879	0.074593
669.0	0.059497	0.235561	0.014015	0.081173
669.1	0.061500	0.236101	0.014520	0.084098
669.2	0.062094	0.236641	0.014694	0.085105
669.3	0.062300	0.237184	0.014777	0.085583
669.4	0.063115	0.237723	0.015004	0.086899
669.5	0.065700	0.238258	0.015654	0.090662
669.6	0.070657	0.238796	0.016873	0.097723
669.7	0.076200	0.239335	0.018237	0.105627
669.8	0.080407	0.239875	0.019288	0.111710
669.9	0.083200	0.240417	0.020003	0.115852
670.0	0.085016	0.240960	0.020485	0.118648
670.1	0.086500	0.241270	0.020870	0.120874
670.2	0.088253	0.241579	0.021320	0.123482
670.3	0.090500	0.241889	0.021891	0.126788
670.4	0.093447	0.242199	0.022633	0.131085
670.5	0.097600	0.242510	0.023669	0.137086
670.6	0.103460	0.242819	0.025122	0.145502
670.7	0.111200	0.243128	0.027036	0.156586
670.8	0.120750	0.243438	0.029395	0.170251
670.9	0.131300	0.243746	0.032004	0.185360
671.0	0.141770	0.244056	0.034600	0.200395
671.1	0.150600	0.244362	0.036801	0.213143
671.2	0.156670	0.244668	0.038332	0.222012
671.3	0.161100	0.244971	0.039465	0.228573
671.4	0.165470	0.245268	0.040584	0.235057
671.5	0.171000	0.245564	0.041991	0.243206
671.6	0.178480	0.245860	0.043881	0.254151

671.7	0.187400	0.246157	0.046130	0.267174
671.8	0.196970	0.246453	0.048544	0.281156
671.9	0.206600	0.246748	0.050978	0.295255
672.0	0.215890	0.247044	0.053334	0.308902
672.1	0.225000	0.247428	0.055671	0.322437
672.2	0.234270	0.247813	0.058055	0.336244
672.3	0.244300	0.248197	0.060635	0.351183
672.4	0.255490	0.248580	0.063510	0.367836
672.5	0.267100	0.248964	0.066498	0.385144
672.6	0.278300	0.249345	0.069393	0.401909
672.7	0.289100	0.249727	0.072196	0.418145
672.8	0.299610	0.250108	0.074935	0.434008
672.9	0.309700	0.250489	0.077576	0.449306
673.0	0.319390	0.250869	0.080125	0.464068
673.1	0.329700	0.251247	0.082836	0.479769
673.2	0.341480	0.251624	0.085925	0.497658
673.3	0.354000	0.251991	0.089205	0.516657
673.4	0.366260	0.252358	0.092429	0.535328
673.5	0.377900	0.252725	0.095505	0.553145
673.6	0.388730	0.253092	0.098384	0.569822
673.7	0.398600	0.253458	0.101028	0.585136
673.8	0.407580	0.253824	0.103454	0.599183
673.9	0.416600	0.254190	0.105896	0.613327
674.0	0.426510	0.254557	0.108571	0.628822
674.1	0.436900	0.254744	0.111298	0.644613
674.2	0.447150	0.254931	0.113992	0.660220
674.3	0.457000	0.255117	0.116588	0.675257
674.4	0.466250	0.255303	0.119035	0.689427
674.5	0.474600	0.255489	0.121255	0.702285
674.6	0.481880	0.255674	0.123204	0.713575
674.7	0.488600	0.255859	0.125013	0.724050
674.8	0.495410	0.256044	0.126847	0.734672
674.9	0.502900	0.256229	0.128857	0.746316
675.0	0.511370	0.256413	0.131122	0.759431
675.1	0.520000	0.256588	0.133426	0.772776
675.2	0.527800	0.256757	0.135516	0.784882
675.3	0.534200	0.256922	0.137248	0.794910
675.4	0.538920	0.257086	0.138549	0.802447
675.5	0.542500	0.257251	0.139558	0.808294
675.6	0.545690	0.257414	0.140468	0.813564
675.7	0.549400	0.257577	0.141513	0.819615
675.8	0.554310	0.257740	0.142868	0.827463
675.9	0.560100	0.257903	0.144451	0.836633

676.0	0.566110	0.258065	0.146093	0.846143
676.1	0.571200	0.258327	0.147556	0.854616
676.2	0.574540	0.258588	0.148569	0.860484
676.3	0.576900	0.258850	0.149330	0.864892
676.4	0.579280	0.259110	0.150098	0.869335
676.5	0.582100	0.259371	0.150980	0.874447
676.6	0.585590	0.259632	0.152038	0.880572
676.7	0.589800	0.259892	0.153284	0.887792
676.8	0.594470	0.260152	0.154653	0.895717
676.9	0.598300	0.260411	0.155804	0.902386
677.0	0.600070	0.260671	0.156421	0.905956
677.1	0.600000	0.260922	0.156553	0.906726
677.2	0.598720	0.261169	0.156367	0.905646
677.3	0.597100	0.261414	0.156090	0.904045
677.4	0.595910	0.261659	0.155925	0.903087
677.5	0.595400	0.261903	0.155937	0.903157
677.6	0.595550	0.262145	0.156121	0.904220
677.7	0.595700	0.262388	0.156304	0.905284
677.8	0.595250	0.262629	0.156330	0.905431
677.9	0.594400	0.262869	0.156249	0.904964
678.0	0.593620	0.263109	0.156187	0.904601
678.1	0.593600	0.263499	0.156413	0.905914
678.2	0.594840	0.263890	0.156972	0.909152
678.3	0.596700	0.264281	0.157696	0.913345
678.4	0.598310	0.264671	0.158355	0.917161
678.5	0.598900	0.265061	0.158745	0.919420
678.6	0.598050	0.265451	0.158753	0.919465
678.7	0.596600	0.265841	0.158601	0.918583
678.8	0.595490	0.266231	0.158538	0.918219
678.9	0.594900	0.266621	0.158613	0.918653
679.0	0.594800	0.267010	0.158818	0.919841
679.1	0.595100	0.267402	0.159131	0.921653
679.2	0.595730	0.267793	0.159532	0.923979
679.3	0.596700	0.268185	0.160026	0.926837
679.4	0.598000	0.268576	0.160609	0.930214
679.5	0.599500	0.268969	0.161247	0.933908
679.6	0.600860	0.269361	0.161848	0.937392
679.7	0.601000	0.269753	0.162122	0.938977
679.8	0.599180	0.270146	0.161866	0.937496
679.9	0.596700	0.270538	0.161430	0.934971
680.0	0.595040	0.270931	0.161215	0.933723
680.1	0.594300	0.271108	0.161120	0.933173
680.2	0.594200	0.271285	0.161198	0.933625

680.3	0.594400	0.271462	0.161357	0.934548
680.4	0.594530	0.271639	0.161497	0.935361
680.5	0.594100	0.271815	0.161486	0.935292
680.6	0.593020	0.271992	0.161297	0.934199
680.7	0.593000	0.272168	0.161396	0.934772
680.8	0.595530	0.272344	0.162189	0.939368
680.9	0.599500	0.272520	0.163376	0.946240
681.0	0.603340	0.272689	0.164524	0.952890
681.1	0.606300	0.272860	0.165435	0.958166
681.2	0.607940	0.273030	0.165986	0.961357
681.3	0.608300	0.273200	0.166188	0.962527
681.4	0.607790	0.273371	0.166152	0.962318
681.5	0.607900	0.273540	0.166285	0.963091
681.6	0.609940	0.273710	0.166947	0.966923
681.7	0.613400	0.273879	0.167997	0.973008
681.8	0.617360	0.274048	0.169186	0.979894
681.9	0.621000	0.274217	0.170289	0.986278
682.0	0.623690	0.274386	0.171132	0.991160
682.1	0.625500	0.274744	0.171852	0.995333
682.2	0.626610	0.275101	0.172381	0.998398
682.3	0.626800	0.275459	0.172658	1.000000
682.4	0.625920	0.275817	0.172640	0.999894
682.5	0.624300	0.276175	0.172416	0.998600
682.6	0.622370	0.276533	0.172106	0.996803
682.7	0.620400	0.276891	0.171783	0.994934
682.8	0.618480	0.277249	0.171473	0.993137
682.9	0.616200	0.277602	0.171059	0.990737
683.0	0.613030	0.277952	0.170393	0.986883
683.1	0.608400	0.278303	0.169319	0.980664
683.2	0.601920	0.278653	0.167727	0.971439
683.3	0.594000	0.279003	0.165728	0.959862
683.4	0.585210	0.279354	0.163480	0.946846
683.5	0.576000	0.279704	0.161110	0.933114
683.6	0.566590	0.280055	0.158676	0.919022
683.7	0.556400	0.280406	0.156018	0.903623
683.8	0.544930	0.280756	0.152993	0.886103
683.9	0.532700	0.281108	0.149746	0.867299
684.0	0.520230	0.281459	0.146423	0.848055
684.1	0.507000	0.281610	0.142776	0.826932
684.2	0.492480	0.281761	0.138762	0.803679
684.3	0.477000	0.281912	0.134472	0.778834
684.4	0.461070	0.282063	0.130051	0.753228
684.5	0.444900	0.282214	0.125557	0.727201

684.6	0.428690	0.282365	0.121047	0.701081
684.7	0.412900	0.282517	0.116651	0.675620
684.8	0.397780	0.282666	0.112439	0.651224
684.9	0.382500	0.282811	0.108175	0.626528
685.0	0.366250	0.282955	0.103632	0.600217
685.1	0.349300	0.283097	0.098886	0.572727
685.2	0.332080	0.283239	0.094058	0.544766
685.3	0.314600	0.283382	0.089152	0.516350
685.4	0.297060	0.283524	0.084224	0.487806
685.5	0.280700	0.283665	0.079625	0.461171
685.6	0.266680	0.283807	0.075686	0.438357
685.7	0.254700	0.283949	0.072322	0.418874
685.8	0.243890	0.284091	0.069287	0.401296
685.9	0.232700	0.284233	0.066141	0.383075
686.0	0.219760	0.284374	0.062494	0.361953
686.1	0.205200	0.284861	0.058453	0.338550
686.2	0.189780	0.285347	0.054153	0.313644
686.3	0.175200	0.285834	0.050078	0.290042
686.4	0.163150	0.286321	0.046713	0.270554
686.5	0.154300	0.286809	0.044255	0.256314
686.6	0.148550	0.287298	0.042678	0.247183
686.7	0.143900	0.287786	0.041412	0.239852
686.8	0.138300	0.288269	0.039868	0.230905
686.9	0.131600	0.288752	0.038000	0.220087
687.0	0.124130	0.289235	0.035903	0.207942
687.1	0.116400	0.289720	0.033723	0.195319
687.2	0.108920	0.290206	0.031609	0.183074
687.3	0.102100	0.290692	0.029680	0.171898
687.4	0.096126	0.291178	0.027990	0.162111
687.5	0.090300	0.291664	0.026337	0.152540
687.6	0.084006	0.292151	0.024542	0.142145
687.7	0.077800	0.292637	0.022767	0.131863
687.8	0.072338	0.293124	0.021204	0.122810
687.9	0.067500	0.293612	0.019819	0.114786
688.0	0.062931	0.294099	0.018508	0.107194
688.1	0.058100	0.294481	0.017109	0.099094
688.2	0.052650	0.294864	0.015525	0.089915
688.3	0.047100	0.295246	0.013906	0.080541
688.4	0.042208	0.295629	0.012478	0.072270
688.5	0.038800	0.296012	0.011485	0.066520
688.6	0.037306	0.296395	0.011057	0.064042
688.7	0.036500	0.296774	0.010832	0.062738
688.8	0.035079	0.297151	0.010424	0.060372

688.9	0.033100	0.297529	0.009848	0.057039
689.0	0.030877	0.297906	0.009198	0.053276
689.1	0.028400	0.298283	0.008471	0.049064
689.2	0.025752	0.298660	0.007691	0.044545
689.3	0.023700	0.299037	0.007087	0.041047
689.4	0.022928	0.299414	0.006865	0.039760
689.5	0.023100	0.299790	0.006925	0.040109
689.6	0.023785	0.300167	0.007139	0.041350
689.7	0.025200	0.300544	0.007574	0.043865
689.8	0.027320	0.300921	0.008221	0.047615
689.9	0.028500	0.301298	0.008587	0.049734
690.0	0.027247	0.301675	0.008220	0.047607
690.1	0.024300	0.301968	0.007338	0.042499
690.2	0.020880	0.302261	0.006311	0.036553
690.3	0.017900	0.302554	0.005416	0.031367
690.4	0.016046	0.302847	0.004859	0.028145
690.5	0.015400	0.303140	0.004668	0.027038
690.6	0.015735	0.303431	0.004774	0.027653
690.7	0.016200	0.303719	0.004920	0.028497
690.8	0.015989	0.304008	0.004861	0.028153
690.9	0.015100	0.304296	0.004595	0.026613
691.0	0.013591	0.304584	0.004140	0.023976
691.1	0.012400	0.304867	0.003780	0.021895
691.2	0.011959	0.305150	0.003649	0.021136
691.3	0.011551	0.305433	0.003528	0.020434
691.4	0.011175	0.305716	0.003416	0.019787
691.5	0.010832	0.305999	0.003315	0.019197
691.6	0.010522	0.306282	0.003223	0.018665
691.7	0.010245	0.306566	0.003141	0.018191
691.8	0.010000	0.306849	0.003068	0.017772
691.9	0.009804	0.307133	0.003011	0.017440
692.0	0.009609	0.307416	0.002954	0.017108
692.1	0.009413	0.307737	0.002897	0.016777
692.2	0.009217	0.308058	0.002839	0.016446
692.3	0.009022	0.308379	0.002782	0.016113
692.4	0.008826	0.308701	0.002725	0.015780
692.5	0.008630	0.309022	0.002667	0.015447
692.6	0.008435	0.309339	0.002609	0.015112
692.7	0.008239	0.309657	0.002551	0.014777
692.8	0.008044	0.309975	0.002493	0.014441
692.9	0.007848	0.310293	0.002435	0.014104
693.0	0.007652	0.310611	0.002377	0.013766
693.1	0.007456	0.310924	0.002318	0.013428

693.2	0.007261	0.311237	0.002260	0.013089
693.3	0.007065	0.311549	0.002201	0.012749
693.4	0.006870	0.311862	0.002142	0.012408
693.5	0.006674	0.312175	0.002083	0.012067
693.6	0.006478	0.312488	0.002024	0.011725
693.7	0.006283	0.312800	0.001965	0.011382
693.8	0.006087	0.313113	0.001906	0.011039
693.9	0.005891	0.313426	0.001846	0.010694
694.0	0.005696	0.313739	0.001787	0.010350
694.1	0.005500	0.314003	0.001727	0.010003
694.2	0.005304	0.314267	0.001667	0.009655
694.3	0.005109	0.314531	0.001607	0.009307
694.4	0.004913	0.314795	0.001547	0.008958
694.5	0.004717	0.315056	0.001486	0.008608
694.6	0.004522	0.315317	0.001426	0.008258
694.7	0.004326	0.315579	0.001365	0.007907
694.8	0.004130	0.315840	0.001305	0.007556
694.9	0.003935	0.316101	0.001244	0.007204
695.0	0.003739	0.316362	0.001183	0.006851
695.1	0.003544	0.316622	0.001122	0.006498
695.2	0.003348	0.316883	0.001061	0.006144
695.3	0.003152	0.317143	0.001000	0.005790
695.4	0.002956	0.317403	0.000938	0.005435
695.5	0.002761	0.317664	0.000877	0.005080
695.6	0.002565	0.317924	0.000816	0.004723
695.7	0.002370	0.318185	0.000754	0.004367
695.8	0.002174	0.318445	0.000692	0.004009
695.9	0.001978	0.318706	0.000630	0.003652
696.0	0.001783	0.318966	0.000569	0.003293
696.1	0.001587	0.319049	0.000506	0.002933
696.2	0.001391	0.319131	0.000444	0.002572
696.3	0.001272	0.319213	0.000406	0.002351
696.4	0.001000	0.319294	0.000319	0.001849
696.5	0.000576	0.319374	0.000184	0.001066
696.6	0.000000	0.319454	0.000000	0.000000
Channel 3				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
667.5	0.000000	0.228062	0.000000	0.000000
667.6	0.000445	0.228489	0.000102	0.000524
667.7	0.000802	0.228917	0.000184	0.000946

667.8	0.001071	0.229344	0.000246	0.001266
667.9	0.001252	0.229772	0.000288	0.001482
668.0	0.001345	0.230200	0.000310	0.001595
668.1	0.001495	0.230731	0.000345	0.001777
668.2	0.001645	0.231263	0.000380	0.001959
668.3	0.001795	0.231796	0.000416	0.002143
668.4	0.001945	0.232330	0.000452	0.002327
668.5	0.002095	0.232864	0.000488	0.002513
668.6	0.002245	0.233401	0.000524	0.002699
668.7	0.002395	0.233939	0.000560	0.002886
668.8	0.002545	0.234478	0.000597	0.003074
668.9	0.002695	0.235019	0.000633	0.003262
669.0	0.002845	0.235561	0.000670	0.003452
669.1	0.002995	0.236101	0.000707	0.003642
669.2	0.003145	0.236641	0.000744	0.003833
669.3	0.003295	0.237184	0.000782	0.004025
669.4	0.003445	0.237723	0.000819	0.004218
669.5	0.003595	0.238258	0.000857	0.004412
669.6	0.003745	0.238796	0.000894	0.004606
669.7	0.003895	0.239335	0.000932	0.004802
669.8	0.004045	0.239875	0.000970	0.004998
669.9	0.004195	0.240417	0.001009	0.005195
670.0	0.004345	0.240960	0.001047	0.005393
670.1	0.004495	0.241270	0.001085	0.005586
670.2	0.004645	0.241579	0.001122	0.005780
670.3	0.004795	0.241889	0.001160	0.005974
670.4	0.004945	0.242199	0.001198	0.006169
670.5	0.005095	0.242510	0.001236	0.006364
670.6	0.005245	0.242819	0.001274	0.006560
670.7	0.005395	0.243128	0.001312	0.006756
670.8	0.005545	0.243438	0.001350	0.006953
670.9	0.005695	0.243746	0.001388	0.007150
671.0	0.005845	0.244056	0.001427	0.007347
671.1	0.005995	0.244362	0.001465	0.007545
671.2	0.006145	0.244668	0.001503	0.007744
671.3	0.006295	0.244971	0.001542	0.007943
671.4	0.006445	0.245268	0.001581	0.008142
671.5	0.006595	0.245564	0.001619	0.008341
671.6	0.006745	0.245860	0.001658	0.008541
671.7	0.006895	0.246157	0.001697	0.008742
671.8	0.007045	0.246453	0.001736	0.008943
671.9	0.007195	0.246748	0.001775	0.009144
672.0	0.007345	0.247044	0.001815	0.009346

672.1	0.007495	0.247428	0.001854	0.009552
672.2	0.007645	0.247813	0.001895	0.009758
672.3	0.007795	0.248197	0.001935	0.009965
672.4	0.007945	0.248580	0.001975	0.010172
672.5	0.008095	0.248964	0.002015	0.010380
672.6	0.008245	0.249345	0.002056	0.010589
672.7	0.008395	0.249727	0.002096	0.010798
672.8	0.008545	0.250108	0.002137	0.011008
672.9	0.008695	0.250489	0.002178	0.011218
673.0	0.008845	0.250869	0.002219	0.011429
673.1	0.008995	0.251247	0.002260	0.011640
673.2	0.009145	0.251624	0.002301	0.011852
673.3	0.009295	0.251991	0.002342	0.012064
673.4	0.009445	0.252358	0.002384	0.012277
673.5	0.009595	0.252725	0.002425	0.012490
673.6	0.009745	0.253092	0.002466	0.012703
673.7	0.009895	0.253458	0.002508	0.012918
673.8	0.010221	0.253824	0.002594	0.013363
673.9	0.010924	0.254190	0.002777	0.014302
674.0	0.011575	0.254557	0.002946	0.015176
674.1	0.012174	0.254744	0.003101	0.015974
674.2	0.012722	0.254931	0.003243	0.016705
674.3	0.013218	0.255117	0.003372	0.017369
674.4	0.013663	0.255303	0.003488	0.017967
674.5	0.014056	0.255489	0.003591	0.018497
674.6	0.014397	0.255674	0.003681	0.018959
674.7	0.015091	0.255859	0.003861	0.019888
674.8	0.015787	0.256044	0.004042	0.020820
674.9	0.016526	0.256229	0.004234	0.021810
675.0	0.017280	0.256413	0.004431	0.022822
675.1	0.018018	0.256588	0.004623	0.023813
675.2	0.018734	0.256757	0.004810	0.024775
675.3	0.019457	0.256922	0.004999	0.025748
675.4	0.020220	0.257086	0.005198	0.026775
675.5	0.021055	0.257251	0.005416	0.027898
675.6	0.021995	0.257414	0.005662	0.029162
675.7	0.023060	0.257577	0.005940	0.030594
675.8	0.024245	0.257740	0.006249	0.032186
675.9	0.025545	0.257903	0.006588	0.033933
676.0	0.026953	0.258065	0.006956	0.035826
676.1	0.028464	0.258327	0.007353	0.037873
676.2	0.030073	0.258588	0.007777	0.040054
676.3	0.031781	0.258850	0.008227	0.042372

676.4	0.033590	0.259110	0.008704	0.044829
676.5	0.035501	0.259371	0.009208	0.047427
676.6	0.037515	0.259632	0.009740	0.050168
676.7	0.039622	0.259892	0.010297	0.053039
676.8	0.041798	0.260152	0.010874	0.056007
676.9	0.044015	0.260411	0.011462	0.059037
677.0	0.046245	0.260671	0.012055	0.062090
677.1	0.048462	0.260922	0.012645	0.065129
677.2	0.050652	0.261169	0.013229	0.068137
677.3	0.052825	0.261414	0.013809	0.071127
677.4	0.054992	0.261659	0.014389	0.074114
677.5	0.057167	0.261903	0.014972	0.077117
677.6	0.059361	0.262145	0.015561	0.080151
677.7	0.061595	0.262388	0.016162	0.083244
677.8	0.063904	0.262629	0.016783	0.086444
677.9	0.066325	0.262869	0.017435	0.089801
678.0	0.068894	0.263109	0.018127	0.093364
678.1	0.071648	0.263499	0.018879	0.097240
678.2	0.074607	0.263890	0.019688	0.101407
678.3	0.077763	0.264281	0.020551	0.105853
678.4	0.081109	0.264671	0.021467	0.110570
678.5	0.084632	0.265061	0.022433	0.115543
678.6	0.088325	0.265451	0.023446	0.120762
678.7	0.092167	0.265841	0.024502	0.126200
678.8	0.096124	0.266231	0.025591	0.131812
678.9	0.100160	0.266621	0.026705	0.137547
679.0	0.104240	0.267010	0.027833	0.143359
679.1	0.108320	0.267402	0.028965	0.149189
679.2	0.112390	0.267793	0.030097	0.155021
679.3	0.116430	0.268185	0.031225	0.160828
679.4	0.120450	0.268576	0.032350	0.166624
679.5	0.124430	0.268969	0.033468	0.172381
679.6	0.128380	0.269361	0.034581	0.178113
679.7	0.132310	0.269753	0.035691	0.183833
679.8	0.136280	0.270146	0.036815	0.189624
679.9	0.140330	0.270538	0.037965	0.195543
680.0	0.144540	0.270931	0.039160	0.201702
680.1	0.148950	0.271108	0.040382	0.207992
680.2	0.153600	0.271285	0.041669	0.214625
680.3	0.158500	0.271462	0.043027	0.221617
680.4	0.163650	0.271639	0.044454	0.228966
680.5	0.169060	0.271815	0.045953	0.236689
680.6	0.174730	0.271992	0.047525	0.244786

680.7	0.180650	0.272168	0.049167	0.253244
680.8	0.186780	0.272344	0.050868	0.262007
680.9	0.193070	0.272520	0.052615	0.271005
681.0	0.199470	0.272689	0.054393	0.280161
681.1	0.205950	0.272860	0.056195	0.289444
681.2	0.212450	0.273030	0.058005	0.298766
681.3	0.218940	0.273200	0.059815	0.308085
681.4	0.225380	0.273371	0.061612	0.317344
681.5	0.231730	0.273540	0.063388	0.326488
681.6	0.237950	0.273710	0.065129	0.335460
681.7	0.244030	0.273879	0.066835	0.344243
681.8	0.250000	0.274048	0.068512	0.352883
681.9	0.255890	0.274217	0.070169	0.361419
682.0	0.261730	0.274386	0.071815	0.369895
682.1	0.267550	0.274744	0.073508	0.378613
682.2	0.273360	0.275101	0.075202	0.387339
682.3	0.279180	0.275459	0.076903	0.396100
682.4	0.284980	0.275817	0.078602	0.404855
682.5	0.290760	0.276175	0.080301	0.413602
682.6	0.296530	0.276533	0.082000	0.422357
682.7	0.302250	0.276891	0.083690	0.431061
682.8	0.307940	0.277249	0.085376	0.439744
682.9	0.313570	0.277602	0.087048	0.448354
683.0	0.319140	0.277952	0.088706	0.456894
683.1	0.324640	0.278303	0.090348	0.465353
683.2	0.330060	0.278653	0.091972	0.473718
683.3	0.335390	0.279003	0.093575	0.481973
683.4	0.340650	0.279354	0.095162	0.490147
683.5	0.345820	0.279704	0.096727	0.498210
683.6	0.350920	0.280055	0.098277	0.506191
683.7	0.355930	0.280406	0.099805	0.514061
683.8	0.360850	0.280756	0.101311	0.521819
683.9	0.365650	0.281108	0.102787	0.529422
684.0	0.370320	0.281459	0.104230	0.536854
684.1	0.374840	0.281610	0.105559	0.543698
684.2	0.379210	0.281761	0.106847	0.550331
684.3	0.383390	0.281912	0.108082	0.556695
684.4	0.387390	0.282063	0.109268	0.562805
684.5	0.391180	0.282214	0.110396	0.568615
684.6	0.394750	0.282365	0.111464	0.574113
684.7	0.398080	0.282517	0.112464	0.579266
684.8	0.401200	0.282666	0.113406	0.584115
684.9	0.404110	0.282811	0.114287	0.588652

685.0	0.406820	0.282955	0.115112	0.592902
685.1	0.409340	0.283097	0.115883	0.596875
685.2	0.411680	0.283239	0.116604	0.600588
685.3	0.413850	0.283382	0.117278	0.604057
685.4	0.415860	0.283524	0.117906	0.607295
685.5	0.417700	0.283665	0.118487	0.610287
685.6	0.419390	0.283807	0.119026	0.613063
685.7	0.420940	0.283949	0.119526	0.615637
685.8	0.422400	0.284091	0.120000	0.618081
685.9	0.423780	0.284233	0.120452	0.620409
686.0	0.425140	0.284374	0.120899	0.622710
686.1	0.426510	0.284861	0.121496	0.625785
686.2	0.427920	0.285347	0.122106	0.628926
686.3	0.429370	0.285834	0.122729	0.632134
686.4	0.430860	0.286321	0.123364	0.635409
686.5	0.432400	0.286809	0.124016	0.638766
686.6	0.433980	0.287298	0.124681	0.642192
686.7	0.435600	0.287786	0.125360	0.645685
686.8	0.437240	0.288269	0.126043	0.649203
686.9	0.438860	0.288752	0.126722	0.652701
687.0	0.440440	0.289235	0.127391	0.656147
687.1	0.441940	0.289720	0.128039	0.659486
687.2	0.443330	0.290206	0.128657	0.662669
687.3	0.444570	0.290692	0.129233	0.665635
687.4	0.445620	0.291178	0.129755	0.668322
687.5	0.446410	0.291664	0.130202	0.670625
687.6	0.446920	0.292151	0.130568	0.672512
687.7	0.447120	0.292637	0.130844	0.673934
687.8	0.447060	0.293124	0.131044	0.674965
687.9	0.446770	0.293612	0.131177	0.675648
688.0	0.446310	0.294099	0.131259	0.676073
688.1	0.445710	0.294481	0.131253	0.676042
688.2	0.445040	0.294864	0.131226	0.675902
688.3	0.444400	0.295246	0.131208	0.675806
688.4	0.443910	0.295629	0.131233	0.675936
688.5	0.443660	0.296012	0.131329	0.676430
688.6	0.443780	0.296395	0.131534	0.677488
688.7	0.444310	0.296774	0.131860	0.679165
688.8	0.445210	0.297151	0.132295	0.681406
688.9	0.446450	0.297529	0.132832	0.684172
689.0	0.447980	0.297906	0.133456	0.687388
689.1	0.449760	0.298283	0.134156	0.690992
689.2	0.451710	0.298660	0.134908	0.694864

689.3	0.453760	0.299037	0.135691	0.698899
689.4	0.455780	0.299414	0.136467	0.702895
689.5	0.457690	0.299790	0.137211	0.706729
689.6	0.459380	0.300167	0.137891	0.710230
689.7	0.460800	0.300544	0.138491	0.713320
689.8	0.462020	0.300921	0.139032	0.716105
689.9	0.463080	0.301298	0.139525	0.718646
690.0	0.464050	0.301675	0.139992	0.721052
690.1	0.464980	0.301968	0.140409	0.723200
690.2	0.465960	0.302261	0.140842	0.725428
690.3	0.467080	0.302554	0.141317	0.727877
690.4	0.468460	0.302847	0.141872	0.730735
690.5	0.470210	0.303140	0.142540	0.734174
690.6	0.472420	0.303431	0.143347	0.738333
690.7	0.475150	0.303719	0.144312	0.743305
690.8	0.478340	0.304008	0.145419	0.749005
690.9	0.481940	0.304296	0.146652	0.755357
691.0	0.485870	0.304584	0.147988	0.762237
691.1	0.490090	0.304867	0.149412	0.769572
691.2	0.494530	0.305150	0.150906	0.777265
691.3	0.499140	0.305433	0.152454	0.785239
691.4	0.503860	0.305716	0.154038	0.793399
691.5	0.508640	0.305999	0.155643	0.801667
691.6	0.513440	0.306282	0.157258	0.809982
691.7	0.518210	0.306566	0.158865	0.818262
691.8	0.523000	0.306849	0.160482	0.826589
691.9	0.527820	0.307133	0.162111	0.834978
692.0	0.532720	0.307416	0.163767	0.843507
692.1	0.537710	0.307737	0.165473	0.852297
692.2	0.542800	0.308058	0.167214	0.861263
692.3	0.547950	0.308379	0.168976	0.870341
692.4	0.553120	0.308701	0.170749	0.879469
692.5	0.558250	0.309022	0.172511	0.888548
692.6	0.563310	0.309339	0.174254	0.897524
692.7	0.568250	0.309657	0.175963	0.906325
692.8	0.573050	0.309975	0.177631	0.914918
692.9	0.577700	0.310293	0.179256	0.923288
693.0	0.582180	0.310611	0.180831	0.931402
693.1	0.586460	0.310924	0.182344	0.939195
693.2	0.590540	0.311237	0.183798	0.946680
693.3	0.594400	0.311549	0.185185	0.953826
693.4	0.598040	0.311862	0.186506	0.960631
693.5	0.601450	0.312175	0.187758	0.967076

693.6	0.604630	0.312488	0.188939	0.973163
693.7	0.607540	0.312800	0.190039	0.978826
693.8	0.610150	0.313113	0.191046	0.984014
693.9	0.612400	0.313426	0.191942	0.988630
694.0	0.614260	0.313739	0.192717	0.992623
694.1	0.615670	0.314003	0.193322	0.995738
694.2	0.616590	0.314267	0.193774	0.998064
694.3	0.616970	0.314531	0.194056	0.999518
694.4	0.616750	0.314795	0.194150	1.000000
694.5	0.615900	0.315056	0.194043	0.999452
694.6	0.614360	0.315317	0.193718	0.997779
694.7	0.612100	0.315579	0.193166	0.994932
694.8	0.609080	0.315840	0.192372	0.990842
694.9	0.605290	0.316101	0.191333	0.985491
695.0	0.600700	0.316362	0.190039	0.978825
695.1	0.595290	0.316622	0.188482	0.970808
695.2	0.589050	0.316883	0.186660	0.961422
695.3	0.582010	0.317143	0.184580	0.950712
695.4	0.574210	0.317403	0.182256	0.938740
695.5	0.565690	0.317664	0.179699	0.925570
695.6	0.556460	0.317924	0.176912	0.911215
695.7	0.546580	0.318185	0.173913	0.895770
695.8	0.536090	0.318445	0.170715	0.879297
695.9	0.525040	0.318706	0.167333	0.861877
696.0	0.513470	0.318966	0.163779	0.843573
696.1	0.501450	0.319049	0.159987	0.824039
696.2	0.489010	0.319131	0.156058	0.803804
696.3	0.476240	0.319213	0.152022	0.783015
696.4	0.463190	0.319294	0.147894	0.761752
696.5	0.449950	0.319374	0.143703	0.740164
696.6	0.436580	0.319454	0.139467	0.718349
696.7	0.423120	0.319534	0.135201	0.696376
696.8	0.409600	0.319613	0.130913	0.674292
696.9	0.396010	0.319692	0.126601	0.652081
697.0	0.382370	0.319771	0.122271	0.629777
697.1	0.368690	0.319855	0.117927	0.607404
697.2	0.354980	0.319938	0.113572	0.584969
697.3	0.341290	0.320021	0.109220	0.562555
697.4	0.327650	0.320104	0.104882	0.540212
697.5	0.314100	0.320187	0.100571	0.518006
697.6	0.300690	0.320269	0.096302	0.496019
697.7	0.287450	0.320352	0.092085	0.474300
697.8	0.274420	0.320435	0.087934	0.452917

697.9	0.261620	0.320517	0.083854	0.431903
698.0	0.249090	0.320600	0.079858	0.411323
698.1	0.236870	0.320828	0.075995	0.391423
698.2	0.224970	0.321057	0.072228	0.372023
698.3	0.213440	0.321284	0.068575	0.353207
698.4	0.202310	0.321512	0.065045	0.335025
698.5	0.191620	0.321739	0.061652	0.317547
698.6	0.181380	0.321966	0.058398	0.300790
698.7	0.171630	0.322194	0.055298	0.284822
698.8	0.162360	0.322421	0.052348	0.269628
698.9	0.153560	0.322648	0.049546	0.255194
699.0	0.145240	0.322875	0.046894	0.241538
699.1	0.137390	0.323105	0.044391	0.228645
699.2	0.130000	0.323335	0.042034	0.216501
699.3	0.123020	0.323564	0.039805	0.205021
699.4	0.116430	0.323793	0.037699	0.194176
699.5	0.110190	0.324022	0.035704	0.183899
699.6	0.104250	0.324251	0.033803	0.174109
699.7	0.098592	0.324480	0.031991	0.164775
699.8	0.093182	0.324708	0.030257	0.155843
699.9	0.087993	0.324936	0.028592	0.147268
700.0	0.082997	0.325163	0.026988	0.139004
700.1	0.078167	0.325451	0.025440	0.131031
700.2	0.073495	0.325739	0.023940	0.123308
700.3	0.069011	0.326026	0.022499	0.115887
700.4	0.064748	0.326313	0.021128	0.108824
700.5	0.060739	0.326600	0.019837	0.102176
700.6	0.057015	0.326887	0.018637	0.095995
700.7	0.053590	0.327173	0.017533	0.090308
700.8	0.050446	0.327458	0.016519	0.085084
700.9	0.047563	0.327744	0.015588	0.080291
701.0	0.044919	0.328029	0.014735	0.075894
701.1	0.042494	0.328311	0.013951	0.071858
701.2	0.040265	0.328594	0.013231	0.068148
701.3	0.038206	0.328876	0.012565	0.064718
701.4	0.036293	0.329158	0.011946	0.061531
701.5	0.034498	0.329440	0.011365	0.058537
701.6	0.032798	0.329721	0.010814	0.055700
701.7	0.031177	0.330001	0.010288	0.052992
701.8	0.029636	0.330281	0.009788	0.050416
701.9	0.028178	0.330561	0.009315	0.047976
702.0	0.026807	0.330841	0.008869	0.045680
702.1	0.025525	0.330961	0.008448	0.043512

702.2	0.024333	0.331082	0.008056	0.041495
702.3	0.023225	0.331203	0.007692	0.039620
702.4	0.022194	0.331324	0.007353	0.037875
702.5	0.021234	0.331444	0.007038	0.036250
702.6	0.020337	0.331564	0.006743	0.034731
702.7	0.019501	0.331683	0.006468	0.033315
702.8	0.018722	0.331802	0.006212	0.031996
702.9	0.018000	0.331921	0.005975	0.030773
703.0	0.017334	0.332040	0.005756	0.029645
703.1	0.016722	0.332157	0.005554	0.028609
703.2	0.016160	0.332274	0.005370	0.027657
703.3	0.015635	0.332391	0.005197	0.026768
703.4	0.015134	0.332508	0.005032	0.025919
703.5	0.014643	0.332625	0.004871	0.025087
703.6	0.014152	0.332741	0.004709	0.024254
703.7	0.013651	0.332857	0.004544	0.023404
703.8	0.013146	0.332972	0.004377	0.022546
703.9	0.012642	0.333088	0.004211	0.021689
704.0	0.012143	0.333204	0.004046	0.020840
704.1	0.011655	0.333391	0.003886	0.020014
704.2	0.011181	0.333579	0.003730	0.019211
704.3	0.010725	0.333767	0.003580	0.018438
704.4	0.010291	0.333955	0.003437	0.017701
704.5	0.009961	0.334143	0.003328	0.017143
704.6	0.009830	0.334332	0.003287	0.016928
704.7	0.009700	0.334520	0.003245	0.016713
704.8	0.009570	0.334707	0.003203	0.016498
704.9	0.009439	0.334895	0.003161	0.016282
705.0	0.009309	0.335083	0.003119	0.016066
705.1	0.009178	0.335270	0.003077	0.015850
705.2	0.009048	0.335457	0.003035	0.015633
705.3	0.008917	0.335643	0.002993	0.015416
705.4	0.008787	0.335830	0.002951	0.015199
705.5	0.008656	0.336016	0.002909	0.014982
705.6	0.008526	0.336202	0.002866	0.014764
705.7	0.008396	0.336387	0.002824	0.014547
705.8	0.008265	0.336573	0.002782	0.014328
705.9	0.008135	0.336758	0.002739	0.014110
706.0	0.008004	0.336943	0.002697	0.013891
706.1	0.007874	0.337074	0.002654	0.013670
706.2	0.007744	0.337204	0.002611	0.013449
706.3	0.007613	0.337334	0.002568	0.013228
706.4	0.007483	0.337463	0.002525	0.013006

706.5	0.007352	0.337593	0.002482	0.012784
706.6	0.007222	0.337722	0.002439	0.012562
706.7	0.007091	0.337850	0.002396	0.012340
706.8	0.006961	0.337979	0.002353	0.012118
706.9	0.006830	0.338108	0.002309	0.011895
707.0	0.006700	0.338237	0.002266	0.011672
707.1	0.006570	0.338363	0.002223	0.011449
707.2	0.006439	0.338489	0.002180	0.011226
707.3	0.006309	0.338615	0.002136	0.011003
707.4	0.006178	0.338741	0.002093	0.010780
707.5	0.006048	0.338866	0.002049	0.010556
707.6	0.005917	0.338992	0.002006	0.010332
707.7	0.005787	0.339118	0.001962	0.010108
707.8	0.005657	0.339244	0.001919	0.009884
707.9	0.005526	0.339370	0.001875	0.009660
708.0	0.005396	0.339500	0.001832	0.009435
708.1	0.005265	0.339548	0.001788	0.009208
708.2	0.005135	0.339597	0.001744	0.008982
708.3	0.005004	0.339645	0.001700	0.008755
708.4	0.004874	0.339693	0.001656	0.008528
708.5	0.004744	0.339741	0.001612	0.008301
708.6	0.004613	0.339789	0.001567	0.008073
708.7	0.004483	0.339838	0.001523	0.007846
708.8	0.004352	0.339886	0.001479	0.007619
708.9	0.004222	0.339934	0.001435	0.007392
709.0	0.004091	0.339983	0.001391	0.007164
709.1	0.003961	0.340026	0.001347	0.006937
709.2	0.003830	0.340068	0.001303	0.006709
709.3	0.003700	0.340111	0.001258	0.006482
709.4	0.003570	0.340154	0.001214	0.006254
709.5	0.003439	0.340197	0.001170	0.006026
709.6	0.003309	0.340240	0.001126	0.005798
709.7	0.003178	0.340283	0.001082	0.005571
709.8	0.003048	0.340326	0.001037	0.005343
709.9	0.002917	0.340372	0.000993	0.005115
710.0	0.002787	0.340420	0.000949	0.004887
710.1	0.002657	0.340578	0.000905	0.004660
710.2	0.002526	0.340737	0.000861	0.004433
710.3	0.002396	0.340895	0.000817	0.004206
710.4	0.002265	0.341053	0.000773	0.003979
710.5	0.002135	0.341212	0.000728	0.003752
710.6	0.002004	0.341370	0.000684	0.003524
710.7	0.001874	0.341529	0.000640	0.003296

710.8	0.001744	0.341687	0.000596	0.003068
710.9	0.001613	0.341846	0.000551	0.002840
711.0	0.001483	0.342004	0.000507	0.002612
711.1	0.001352	0.342158	0.000463	0.002383
711.2	0.001269	0.342312	0.000434	0.002237
711.3	0.001175	0.342466	0.000403	0.002073
711.4	0.000897	0.342621	0.000307	0.001583
711.5	0.000434	0.342775	0.000149	0.000766
711.6	0.000000	0.342929	0.000000	0.000000
Channel 4				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
681.3	0.000000	0.273200	0.000000	0.000000
681.4	0.000102	0.273371	0.000028	0.000110
681.5	0.000327	0.273540	0.000090	0.000354
681.6	0.000608	0.273710	0.000166	0.000657
681.7	0.000930	0.273879	0.000255	0.001006
681.8	0.001282	0.274048	0.000351	0.001387
681.9	0.001650	0.274217	0.000453	0.001787
682.0	0.002023	0.274386	0.000555	0.002192
682.1	0.002388	0.274744	0.000656	0.002591
682.2	0.002737	0.275101	0.000753	0.002974
682.3	0.003063	0.275459	0.000844	0.003332
682.4	0.003358	0.275817	0.000926	0.003658
682.5	0.003615	0.276175	0.000999	0.003944
682.6	0.003827	0.276533	0.001058	0.004180
682.7	0.003986	0.276891	0.001104	0.004359
682.8	0.004085	0.277249	0.001133	0.004473
682.9	0.004117	0.277602	0.001143	0.004513
683.0	0.004073	0.277952	0.001132	0.004471
683.1	0.003951	0.278303	0.001100	0.004343
683.2	0.003765	0.278653	0.001049	0.004144
683.3	0.003532	0.279003	0.000985	0.003892
683.4	0.003269	0.279354	0.000913	0.003607
683.5	0.002995	0.279704	0.000838	0.003308
683.6	0.002726	0.280055	0.000763	0.003015
683.7	0.002481	0.280406	0.000696	0.002748
683.8	0.002277	0.280756	0.000639	0.002525
683.9	0.002132	0.281108	0.000599	0.002368
684.0	0.002064	0.281459	0.000581	0.002294
684.1	0.002085	0.281610	0.000587	0.002319

684.2	0.002191	0.281761	0.000617	0.002438
684.3	0.002373	0.281912	0.000669	0.002642
684.4	0.002621	0.282063	0.000739	0.002920
684.5	0.002927	0.282214	0.000826	0.003263
684.6	0.003281	0.282365	0.000926	0.003659
684.7	0.003674	0.282517	0.001038	0.004100
684.8	0.004097	0.282666	0.001158	0.004574
684.9	0.004540	0.282811	0.001284	0.005071
685.0	0.004995	0.282955	0.001413	0.005582
685.1	0.005452	0.283097	0.001543	0.006096
685.2	0.005900	0.283239	0.001671	0.006601
685.3	0.006330	0.283382	0.001794	0.007085
685.4	0.006730	0.283524	0.001908	0.007536
685.5	0.007089	0.283665	0.002011	0.007943
685.6	0.007398	0.283807	0.002100	0.008293
685.7	0.007645	0.283949	0.002171	0.008574
685.8	0.007820	0.284091	0.002222	0.008774
685.9	0.007912	0.284233	0.002249	0.008882
686.0	0.007911	0.284374	0.002250	0.008885
686.1	0.007810	0.284861	0.002225	0.008787
686.2	0.007621	0.285347	0.002175	0.008588
686.3	0.007358	0.285834	0.002103	0.008307
686.4	0.007039	0.286321	0.002015	0.007960
686.5	0.006677	0.286809	0.001915	0.007564
686.6	0.006290	0.287298	0.001807	0.007137
686.7	0.005892	0.287786	0.001696	0.006697
686.8	0.005499	0.288269	0.001585	0.006261
686.9	0.005127	0.288752	0.001480	0.005847
687.0	0.004791	0.289235	0.001386	0.005473
687.1	0.004508	0.289720	0.001306	0.005158
687.2	0.004298	0.290206	0.001247	0.004926
687.3	0.004183	0.290692	0.001216	0.004802
687.4	0.004184	0.291178	0.001218	0.004811
687.5	0.004322	0.291664	0.001260	0.004978
687.6	0.004619	0.292151	0.001349	0.005329
687.7	0.005095	0.292637	0.001491	0.005889
687.8	0.005774	0.293124	0.001692	0.006684
687.9	0.006675	0.293612	0.001960	0.007740
688.0	0.007820	0.294099	0.002300	0.009083
688.1	0.009216	0.294481	0.002714	0.010719
688.2	0.010813	0.294864	0.003188	0.012593
688.3	0.012544	0.295246	0.003704	0.014628
688.4	0.014345	0.295629	0.004241	0.016749

688.5	0.016151	0.296012	0.004781	0.018882
688.6	0.017895	0.296395	0.005304	0.020948
688.7	0.019513	0.296774	0.005791	0.022872
688.8	0.020939	0.297151	0.006222	0.024574
688.9	0.022108	0.297529	0.006578	0.025979
689.0	0.022955	0.297906	0.006838	0.027009
689.1	0.023438	0.298283	0.006991	0.027612
689.2	0.023611	0.298660	0.007052	0.027851
689.3	0.023552	0.299037	0.007043	0.027816
689.4	0.023339	0.299414	0.006988	0.027600
689.5	0.023050	0.299790	0.006910	0.027292
689.6	0.022762	0.300167	0.006832	0.026985
689.7	0.022553	0.300544	0.006778	0.026771
689.8	0.022501	0.300921	0.006771	0.026743
689.9	0.022684	0.301298	0.006835	0.026994
690.0	0.023180	0.301675	0.006993	0.027619
690.1	0.024047	0.301968	0.007261	0.028679
690.2	0.025265	0.302261	0.007637	0.030161
690.3	0.026795	0.302554	0.008107	0.032019
690.4	0.028599	0.302847	0.008661	0.034208
690.5	0.030636	0.303140	0.009287	0.036680
690.6	0.032867	0.303431	0.009973	0.039389
690.7	0.035254	0.303719	0.010707	0.042289
690.8	0.037758	0.304008	0.011479	0.045336
690.9	0.040338	0.304296	0.012275	0.048480
691.0	0.042956	0.304584	0.013084	0.051675
691.1	0.045583	0.304867	0.013897	0.054886
691.2	0.048231	0.305150	0.014718	0.058128
691.3	0.050923	0.305433	0.015554	0.061430
691.4	0.053680	0.305716	0.016411	0.064816
691.5	0.056525	0.305999	0.017297	0.068314
691.6	0.059482	0.306282	0.018218	0.071954
691.7	0.062571	0.306566	0.019182	0.075761
691.8	0.065816	0.306849	0.020196	0.079764
691.9	0.069238	0.307133	0.021265	0.083988
692.0	0.072861	0.307416	0.022399	0.088465
692.1	0.076706	0.307737	0.023605	0.093231
692.2	0.080789	0.308058	0.024888	0.098296
692.3	0.085130	0.308379	0.026252	0.103685
692.4	0.089743	0.308701	0.027704	0.109418
692.5	0.094646	0.309022	0.029248	0.115516
692.6	0.099855	0.309339	0.030889	0.121998
692.7	0.105390	0.309657	0.032635	0.128893

692.8	0.111260	0.309975	0.034488	0.136212
692.9	0.117490	0.310293	0.036456	0.143987
693.0	0.124090	0.310611	0.038544	0.152231
693.1	0.131080	0.310924	0.040756	0.160968
693.2	0.138460	0.311237	0.043094	0.170202
693.3	0.146220	0.311549	0.045555	0.179921
693.4	0.154360	0.311862	0.048139	0.190128
693.5	0.162870	0.312175	0.050844	0.200811
693.6	0.171760	0.312488	0.053673	0.211985
693.7	0.181010	0.312800	0.056620	0.223624
693.8	0.190630	0.313113	0.059689	0.235745
693.9	0.200610	0.313426	0.062876	0.248335
694.0	0.210940	0.313739	0.066180	0.261383
694.1	0.221630	0.314003	0.069592	0.274860
694.2	0.232660	0.314267	0.073117	0.288782
694.3	0.244030	0.314531	0.076755	0.303149
694.4	0.255730	0.314795	0.080502	0.317950
694.5	0.267750	0.315056	0.084356	0.333171
694.6	0.280090	0.315317	0.088317	0.348815
694.7	0.292740	0.315579	0.092382	0.364871
694.8	0.305680	0.315840	0.096546	0.381314
694.9	0.318920	0.316101	0.100811	0.398159
695.0	0.332440	0.316362	0.105171	0.415381
695.1	0.346240	0.316622	0.109627	0.432980
695.2	0.360260	0.316883	0.114160	0.450883
695.3	0.374480	0.317143	0.118764	0.469065
695.4	0.388840	0.317403	0.123419	0.487452
695.5	0.403300	0.317664	0.128114	0.505994
695.6	0.417810	0.317924	0.132832	0.524628
695.7	0.432340	0.318185	0.137564	0.543318
695.8	0.446840	0.318445	0.142294	0.562000
695.9	0.461260	0.318706	0.147006	0.580610
696.0	0.475550	0.318966	0.151684	0.599087
696.1	0.489690	0.319049	0.156235	0.617060
696.2	0.503610	0.319131	0.160718	0.634765
696.3	0.517290	0.319213	0.165126	0.652175
696.4	0.530670	0.319294	0.169440	0.669214
696.5	0.543700	0.319374	0.173644	0.685818
696.6	0.556360	0.319454	0.177732	0.701962
696.7	0.568590	0.319534	0.181684	0.717572
696.8	0.580350	0.319613	0.185487	0.732595
696.9	0.591600	0.319692	0.189130	0.746981
697.0	0.602290	0.319771	0.192595	0.760667

697.1	0.612390	0.319855	0.195876	0.773624
697.2	0.621910	0.319938	0.198973	0.785855
697.3	0.630870	0.320021	0.201892	0.797384
697.4	0.639300	0.320104	0.204642	0.808248
697.5	0.647210	0.320187	0.207228	0.818461
697.6	0.654640	0.320269	0.209661	0.828071
697.7	0.661600	0.320352	0.211945	0.837091
697.8	0.668100	0.320435	0.214082	0.845533
697.9	0.674190	0.320517	0.216090	0.853460
698.0	0.679870	0.320600	0.217966	0.860872
698.1	0.685170	0.320828	0.219822	0.868201
698.2	0.690110	0.321057	0.221564	0.875083
698.3	0.694710	0.321284	0.223200	0.881541
698.4	0.698980	0.321512	0.224730	0.887587
698.5	0.702940	0.321739	0.226163	0.893247
698.6	0.706620	0.321966	0.227508	0.898557
698.7	0.710030	0.322194	0.228767	0.903531
698.8	0.713190	0.322421	0.229947	0.908193
698.9	0.716120	0.322648	0.231055	0.912567
699.0	0.718840	0.322875	0.232096	0.916678
699.1	0.721360	0.323105	0.233075	0.920546
699.2	0.723700	0.323335	0.233997	0.924188
699.3	0.725840	0.323564	0.234856	0.927578
699.4	0.727810	0.323793	0.235660	0.930755
699.5	0.729610	0.324022	0.236410	0.933716
699.6	0.731230	0.324251	0.237102	0.936450
699.7	0.732680	0.324480	0.237740	0.938968
699.8	0.733970	0.324708	0.238326	0.941283
699.9	0.735110	0.324936	0.238863	0.943407
700.0	0.736090	0.325163	0.239350	0.945327
700.1	0.736920	0.325451	0.239831	0.947230
700.2	0.737630	0.325739	0.240275	0.948980
700.3	0.738250	0.326026	0.240689	0.950617
700.4	0.738790	0.326313	0.241077	0.952150
700.5	0.739280	0.326600	0.241449	0.953620
700.6	0.739760	0.326887	0.241818	0.955075
700.7	0.740240	0.327173	0.242187	0.956532
700.8	0.740750	0.327458	0.242565	0.958026
700.9	0.741320	0.327744	0.242963	0.959598
701.0	0.741970	0.328029	0.243387	0.961274
701.1	0.742720	0.328311	0.243843	0.963076
701.2	0.743580	0.328594	0.244336	0.965021
701.3	0.744510	0.328876	0.244852	0.967058

701.4	0.745520	0.329158	0.245394	0.969200
701.5	0.746590	0.329440	0.245956	0.971421
701.6	0.747720	0.329721	0.246539	0.973721
701.7	0.748880	0.330001	0.247131	0.976062
701.8	0.750070	0.330281	0.247734	0.978443
701.9	0.751280	0.330561	0.248344	0.980852
702.0	0.752490	0.330841	0.248954	0.983262
702.1	0.753690	0.330961	0.249442	0.985187
702.2	0.754870	0.331082	0.249924	0.987090
702.3	0.756010	0.331203	0.250393	0.988942
702.4	0.757100	0.331324	0.250845	0.990730
702.5	0.758110	0.331444	0.251271	0.992412
702.6	0.759040	0.331564	0.251670	0.993988
702.7	0.759860	0.331683	0.252033	0.995420
702.8	0.760550	0.331802	0.252352	0.996682
702.9	0.761120	0.331921	0.252632	0.997787
703.0	0.761530	0.332040	0.252858	0.998681
703.1	0.761770	0.332157	0.253027	0.999348
703.2	0.761840	0.332274	0.253140	0.999792
703.3	0.761730	0.332391	0.253192	1.000000
703.4	0.761450	0.332508	0.253188	0.999984
703.5	0.761000	0.332625	0.253127	0.999744
703.6	0.760360	0.332741	0.253003	0.999251
703.7	0.759550	0.332857	0.252821	0.998534
703.8	0.758560	0.332972	0.252580	0.997580
703.9	0.757380	0.333088	0.252274	0.996374
704.0	0.756010	0.333204	0.251905	0.994917
704.1	0.754460	0.333391	0.251530	0.993434
704.2	0.752740	0.333579	0.251098	0.991729
704.3	0.750870	0.333767	0.250616	0.989823
704.4	0.748840	0.333955	0.250079	0.987704
704.5	0.746690	0.334143	0.249502	0.985423
704.6	0.744430	0.334332	0.248886	0.982993
704.7	0.742070	0.334520	0.248237	0.980428
704.8	0.739620	0.334707	0.247556	0.977740
704.9	0.737110	0.334895	0.246855	0.974969
705.0	0.734530	0.335083	0.246129	0.972101
705.1	0.731910	0.335270	0.245387	0.969174
705.2	0.729230	0.335457	0.244625	0.966163
705.3	0.726440	0.335643	0.243825	0.963002
705.4	0.723540	0.335830	0.242986	0.959690
705.5	0.720480	0.336016	0.242093	0.956162
705.6	0.717250	0.336202	0.241141	0.952401

705.7	0.713810	0.336387	0.240117	0.948357
705.8	0.710140	0.336573	0.239014	0.944001
705.9	0.706210	0.336758	0.237822	0.939294
706.0	0.701990	0.336943	0.236531	0.934195
706.1	0.697470	0.337074	0.235099	0.928538
706.2	0.692650	0.337204	0.233564	0.922477
706.3	0.687580	0.337334	0.231944	0.916078
706.4	0.682270	0.337463	0.230241	0.909353
706.5	0.676740	0.337593	0.228463	0.902329
706.6	0.671030	0.337722	0.226621	0.895056
706.7	0.665160	0.337850	0.224725	0.887565
706.8	0.659150	0.337979	0.222779	0.879880
706.9	0.653040	0.338108	0.220798	0.872056
707.0	0.646840	0.338237	0.218785	0.864106
707.1	0.640570	0.338363	0.216745	0.856049
707.2	0.634240	0.338489	0.214683	0.847905
707.3	0.627840	0.338615	0.212596	0.839661
707.4	0.621360	0.338741	0.210480	0.831304
707.5	0.614800	0.338866	0.208335	0.822833
707.6	0.608140	0.338992	0.206155	0.814222
707.7	0.601390	0.339118	0.203942	0.805483
707.8	0.594530	0.339244	0.201691	0.796591
707.9	0.587570	0.339370	0.199404	0.787558
708.0	0.580480	0.339500	0.197073	0.778353
708.1	0.573270	0.339548	0.194653	0.768795
708.2	0.565930	0.339597	0.192188	0.759059
708.3	0.558450	0.339645	0.189675	0.749132
708.4	0.550810	0.339693	0.187106	0.738988
708.5	0.543010	0.339741	0.184483	0.728627
708.6	0.535040	0.339789	0.181801	0.718035
708.7	0.526880	0.339838	0.179054	0.707185
708.8	0.518540	0.339886	0.176244	0.696089
708.9	0.509990	0.339934	0.173363	0.684709
709.0	0.501230	0.339983	0.170410	0.673044
709.1	0.492260	0.340026	0.167381	0.661082
709.2	0.483090	0.340068	0.164284	0.648849
709.3	0.473750	0.340111	0.161128	0.636384
709.4	0.464250	0.340154	0.157917	0.623702
709.5	0.454630	0.340197	0.154664	0.610855
709.6	0.444910	0.340240	0.151376	0.597870
709.7	0.435100	0.340283	0.148057	0.584761
709.8	0.425230	0.340326	0.144717	0.571568
709.9	0.415330	0.340372	0.141367	0.558336

710.0	0.405420	0.340420	0.138013	0.545092
710.1	0.395520	0.340578	0.134706	0.532029
710.2	0.385640	0.340737	0.131402	0.518980
710.3	0.375800	0.340895	0.128108	0.505972
710.4	0.366010	0.341053	0.124829	0.493020
710.5	0.356280	0.341212	0.121567	0.480137
710.6	0.346620	0.341370	0.118326	0.467335
710.7	0.337040	0.341529	0.115109	0.454630
710.8	0.327570	0.341687	0.111926	0.442061
710.9	0.318200	0.341846	0.108775	0.429615
711.0	0.308960	0.342004	0.105666	0.417333
711.1	0.299850	0.342158	0.102596	0.405210
711.2	0.290870	0.342312	0.099568	0.393251
711.3	0.282010	0.342466	0.096579	0.381445
711.4	0.273260	0.342621	0.093625	0.369776
711.5	0.264630	0.342775	0.090709	0.358259
711.6	0.256100	0.342929	0.087824	0.346867
711.7	0.247670	0.343083	0.084971	0.335600
711.8	0.239330	0.343238	0.082147	0.324446
711.9	0.231080	0.343399	0.079353	0.313408
712.0	0.222910	0.343560	0.076583	0.302469
712.1	0.214820	0.343696	0.073833	0.291607
712.2	0.206830	0.343832	0.071115	0.280873
712.3	0.198960	0.343968	0.068436	0.270292
712.4	0.191220	0.344104	0.065800	0.259880
712.5	0.183650	0.344241	0.063220	0.249691
712.6	0.176260	0.344377	0.060700	0.239738
712.7	0.169070	0.344514	0.058247	0.230050
712.8	0.162110	0.344650	0.055871	0.220667
712.9	0.155400	0.344787	0.053580	0.211617
713.0	0.148960	0.344924	0.051380	0.202928
713.1	0.142810	0.345063	0.049278	0.194628
713.2	0.136930	0.345201	0.047268	0.186690
713.3	0.131300	0.345340	0.045343	0.179086
713.4	0.125920	0.345479	0.043503	0.171817
713.5	0.120760	0.345619	0.041737	0.164843
713.6	0.115800	0.345759	0.040039	0.158136
713.7	0.111030	0.345899	0.038405	0.151684
713.8	0.106440	0.346046	0.036833	0.145475
713.9	0.102000	0.346195	0.035312	0.139466
714.0	0.097689	0.346343	0.033834	0.133629
714.1	0.093505	0.346420	0.032392	0.127934
714.2	0.089442	0.346496	0.030991	0.122402

714.3	0.085504	0.346573	0.029633	0.117039
714.4	0.081691	0.346650	0.028318	0.111845
714.5	0.078007	0.346727	0.027047	0.106825
714.6	0.074454	0.346804	0.025821	0.101982
714.7	0.071034	0.346881	0.024640	0.097319
714.8	0.067750	0.346958	0.023506	0.092840
714.9	0.064603	0.347035	0.022419	0.088547
715.0	0.061597	0.347111	0.021381	0.084446
715.1	0.058732	0.347189	0.020391	0.080536
715.2	0.056001	0.347267	0.019447	0.076808
715.3	0.053398	0.347344	0.018547	0.073254
715.4	0.050914	0.347421	0.017689	0.069862
715.5	0.048541	0.347499	0.016868	0.066621
715.6	0.046272	0.347576	0.016083	0.063521
715.7	0.044099	0.347658	0.015331	0.060552
715.8	0.042014	0.347743	0.014610	0.057703
715.9	0.040009	0.347828	0.013916	0.054963
716.0	0.038077	0.347913	0.013247	0.052322
716.1	0.036212	0.347914	0.012599	0.049759
716.2	0.034422	0.347915	0.011976	0.047300
716.3	0.032714	0.347916	0.011382	0.044953
716.4	0.031097	0.347917	0.010819	0.042731
716.5	0.029582	0.347918	0.010292	0.040649
716.6	0.028177	0.347919	0.009803	0.038719
716.7	0.026890	0.347920	0.009356	0.036950
716.8	0.025732	0.347921	0.008953	0.035359
716.9	0.024710	0.347921	0.008597	0.033955
717.0	0.023835	0.347922	0.008293	0.032753
717.1	0.023108	0.347924	0.008040	0.031754
717.2	0.022508	0.347926	0.007831	0.030930
717.3	0.022006	0.347928	0.007657	0.030240
717.4	0.021572	0.347930	0.007506	0.029644
717.5	0.021179	0.347932	0.007369	0.029104
717.6	0.020797	0.347938	0.007236	0.028579
717.7	0.020397	0.347948	0.007097	0.028030
717.8	0.019952	0.347959	0.006942	0.027420
717.9	0.019432	0.347970	0.006762	0.026706
718.0	0.018809	0.347980	0.006545	0.025851
718.1	0.018062	0.348149	0.006288	0.024836
718.2	0.017207	0.348317	0.005993	0.023672
718.3	0.016265	0.348485	0.005668	0.022387
718.4	0.015262	0.348653	0.005321	0.021016
718.5	0.014219	0.348821	0.004960	0.019589

718.6	0.013161	0.348989	0.004593	0.018141
718.7	0.012111	0.349158	0.004229	0.016701
718.8	0.011091	0.349326	0.003874	0.015302
718.9	0.010125	0.349494	0.003539	0.013976
719.0	0.009237	0.349662	0.003230	0.012756
719.1	0.008445	0.349830	0.002954	0.011669
719.2	0.007754	0.349997	0.002714	0.010719
719.3	0.007163	0.350165	0.002508	0.009907
719.4	0.006671	0.350334	0.002337	0.009231
719.5	0.006279	0.350503	0.002201	0.008692
719.6	0.005985	0.350680	0.002099	0.008289
719.7	0.005789	0.350857	0.002031	0.008023
719.8	0.005692	0.351034	0.001998	0.007891
719.9	0.005692	0.351212	0.001999	0.007895
720.0	0.005789	0.351389	0.002034	0.008034
720.1	0.005979	0.351398	0.002101	0.008297
720.2	0.006238	0.351408	0.002192	0.008658
720.3	0.006540	0.351418	0.002298	0.009077
720.4	0.006858	0.351428	0.002410	0.009519
720.5	0.007165	0.351438	0.002518	0.009945
720.6	0.007434	0.351447	0.002613	0.010318
720.7	0.007638	0.351457	0.002684	0.010602
720.8	0.007749	0.351467	0.002724	0.010757
720.9	0.007742	0.351477	0.002721	0.010747
721.0	0.007589	0.351486	0.002667	0.010535
721.1	0.007273	0.351495	0.002556	0.010096
721.2	0.006814	0.351503	0.002395	0.009460
721.3	0.006244	0.351512	0.002195	0.008669
721.4	0.005593	0.351520	0.001966	0.007766
721.5	0.004893	0.351536	0.001720	0.006793
721.6	0.004173	0.351554	0.001467	0.005794
721.7	0.003465	0.351571	0.001218	0.004811
721.8	0.002799	0.351589	0.000984	0.003887
721.9	0.002206	0.351606	0.000776	0.003064
722.0	0.001717	0.351624	0.000604	0.002385
722.1	0.001355	0.351604	0.000476	0.001882
722.2	0.001113	0.351585	0.000391	0.001546
722.3	0.000977	0.351566	0.000343	0.001356
722.4	0.000931	0.351546	0.000327	0.001293
722.5	0.000963	0.351526	0.000338	0.001336
722.6	0.001056	0.351507	0.000371	0.001466
722.7	0.001197	0.351487	0.000421	0.001662
722.8	0.001372	0.351467	0.000482	0.001904

722.9	0.001565	0.351447	0.000550	0.002172
723.0	0.001762	0.351427	0.000619	0.002446
723.1	0.001951	0.351408	0.000686	0.002708
723.2	0.002127	0.351389	0.000748	0.002952
723.3	0.002288	0.351369	0.000804	0.003175
723.4	0.002431	0.351355	0.000854	0.003374
723.5	0.002554	0.351345	0.000897	0.003543
723.6	0.002653	0.351336	0.000932	0.003681
723.7	0.002727	0.351326	0.000958	0.003783
723.8	0.002772	0.351316	0.000974	0.003846
723.9	0.002787	0.351307	0.000979	0.003867
724.0	0.002768	0.351297	0.000972	0.003841
724.1	0.002715	0.351381	0.000954	0.003767
724.2	0.002630	0.351465	0.000924	0.003651
724.3	0.002519	0.351548	0.000886	0.003498
724.4	0.002387	0.351632	0.000839	0.003315
724.5	0.002238	0.351716	0.000787	0.003109
724.6	0.002078	0.351800	0.000731	0.002887
724.7	0.001910	0.351884	0.000672	0.002654
724.8	0.001740	0.351968	0.000612	0.002419
724.9	0.001573	0.352052	0.000554	0.002187
725.0	0.001413	0.352135	0.000498	0.001965
725.1	0.001265	0.352219	0.000446	0.001760
725.2	0.001132	0.352303	0.000399	0.001575
725.3	0.001016	0.352389	0.000358	0.001414
725.4	0.000920	0.352482	0.000324	0.001281
725.5	0.000847	0.352576	0.000299	0.001180
725.6	0.000799	0.352670	0.000282	0.001112
725.7	0.000778	0.352763	0.000274	0.001084
725.8	0.000787	0.352857	0.000278	0.001097
725.9	0.000829	0.352951	0.000293	0.001156
726.0	0.000906	0.353045	0.000320	0.001263
726.1	0.001019	0.353156	0.000360	0.001421
726.2	0.001158	0.353267	0.000409	0.001616
726.3	0.001314	0.353378	0.000464	0.001834
726.4	0.001475	0.353490	0.000521	0.002060
726.5	0.001631	0.353601	0.000577	0.002278
726.6	0.001772	0.353712	0.000627	0.002475
726.7	0.001885	0.353824	0.000667	0.002634
726.8	0.001962	0.353936	0.000694	0.002742
726.9	0.001990	0.354048	0.000704	0.002782
727.0	0.001959	0.354160	0.000694	0.002740
727.1	0.001863	0.354270	0.000660	0.002606

727.2	0.001710	0.354381	0.000606	0.002393
727.3	0.001513	0.354500	0.000536	0.002119
727.4	0.001286	0.354621	0.000456	0.001801
727.5	0.001041	0.354741	0.000369	0.001458
727.6	0.000791	0.354861	0.000281	0.001108
727.7	0.000549	0.354982	0.000195	0.000769
727.8	0.000328	0.355102	0.000116	0.000460
727.9	0.000140	0.355222	0.000050	0.000197
728.0	0.000000	0.355343	0.000000	0.000000
Channel 5				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
688.3	0.000197	0.295246	0.000058	0.000245
688.4	0.000407	0.295629	0.000120	0.000507
688.5	0.000607	0.296012	0.000180	0.000758
688.6	0.000799	0.296395	0.000237	0.000999
688.7	0.000982	0.296774	0.000291	0.001229
688.8	0.001100	0.297151	0.000327	0.001378
688.9	0.001211	0.297529	0.000360	0.001520
689.0	0.001322	0.297906	0.000394	0.001661
689.1	0.001433	0.298283	0.000428	0.001803
689.2	0.001544	0.298660	0.000461	0.001945
689.3	0.001656	0.299037	0.000495	0.002088
689.4	0.001767	0.299414	0.000529	0.002231
689.5	0.001878	0.299790	0.000563	0.002374
689.6	0.001989	0.300167	0.000597	0.002518
689.7	0.002100	0.300544	0.000631	0.002661
689.8	0.002211	0.300921	0.000665	0.002806
689.9	0.002322	0.301298	0.000700	0.002950
690.0	0.002433	0.301675	0.000734	0.003095
690.1	0.002544	0.301968	0.000768	0.003240
690.2	0.002656	0.302261	0.000803	0.003385
690.3	0.002767	0.302554	0.000837	0.003530
690.4	0.002878	0.302847	0.000872	0.003675
690.5	0.002989	0.303140	0.000906	0.003821
690.6	0.003100	0.303431	0.000941	0.003967
690.7	0.003211	0.303719	0.000975	0.004113
690.8	0.003322	0.304008	0.001010	0.004259
690.9	0.003433	0.304296	0.001045	0.004406
691.0	0.003544	0.304584	0.001080	0.004552
691.1	0.003656	0.304867	0.001114	0.004700

691.2	0.003767	0.305150	0.001149	0.004847
691.3	0.003878	0.305433	0.001184	0.004995
691.4	0.003989	0.305716	0.001219	0.005142
691.5	0.004100	0.305999	0.001255	0.005291
691.6	0.004211	0.306282	0.001290	0.005439
691.7	0.004322	0.306566	0.001325	0.005588
691.8	0.004433	0.306849	0.001360	0.005736
691.9	0.004544	0.307133	0.001396	0.005886
692.0	0.004656	0.307416	0.001431	0.006035
692.1	0.004767	0.307737	0.001467	0.006186
692.2	0.004878	0.308058	0.001503	0.006337
692.3	0.004989	0.308379	0.001538	0.006488
692.4	0.005100	0.308701	0.001574	0.006639
692.5	0.005211	0.309022	0.001610	0.006791
692.6	0.005322	0.309339	0.001646	0.006943
692.7	0.005433	0.309657	0.001682	0.007095
692.8	0.005544	0.309975	0.001719	0.007247
692.9	0.005656	0.310293	0.001755	0.007400
693.0	0.005767	0.310611	0.001791	0.007553
693.1	0.005878	0.310924	0.001828	0.007707
693.2	0.005989	0.311237	0.001864	0.007860
693.3	0.006100	0.311549	0.001900	0.008014
693.4	0.006211	0.311862	0.001937	0.008168
693.5	0.006322	0.312175	0.001974	0.008323
693.6	0.006433	0.312488	0.002010	0.008477
693.7	0.006544	0.312800	0.002047	0.008632
693.8	0.006656	0.313113	0.002084	0.008788
693.9	0.006767	0.313426	0.002121	0.008943
694.0	0.006878	0.313739	0.002158	0.009099
694.1	0.006989	0.314003	0.002195	0.009254
694.2	0.007100	0.314267	0.002231	0.009409
694.3	0.007211	0.314531	0.002268	0.009564
694.4	0.007322	0.314795	0.002305	0.009720
694.5	0.007433	0.315056	0.002342	0.009876
694.6	0.007544	0.315317	0.002379	0.010032
694.7	0.007656	0.315579	0.002416	0.010188
694.8	0.007767	0.315840	0.002453	0.010344
694.9	0.007878	0.316101	0.002490	0.010501
695.0	0.007989	0.316362	0.002527	0.010658
695.1	0.008100	0.316622	0.002565	0.010815
695.2	0.008211	0.316883	0.002602	0.010972
695.3	0.008322	0.317143	0.002639	0.011130
695.4	0.008433	0.317403	0.002677	0.011288

695.5	0.008544	0.317664	0.002714	0.011446
695.6	0.008656	0.317924	0.002752	0.011604
695.7	0.008767	0.318185	0.002789	0.011763
695.8	0.008878	0.318445	0.002827	0.011922
695.9	0.008989	0.318706	0.002865	0.012081
696.0	0.009100	0.318966	0.002903	0.012240
696.1	0.009211	0.319049	0.002939	0.012393
696.2	0.009322	0.319131	0.002975	0.012545
696.3	0.009433	0.319213	0.003011	0.012698
696.4	0.009544	0.319294	0.003047	0.012851
696.5	0.009656	0.319374	0.003084	0.013004
696.6	0.009767	0.319454	0.003120	0.013157
696.7	0.009878	0.319534	0.003156	0.013310
696.8	0.009989	0.319613	0.003193	0.013463
696.9	0.010288	0.319692	0.003289	0.013869
697.0	0.010624	0.319771	0.003397	0.014326
697.1	0.010980	0.319855	0.003512	0.014810
697.2	0.011360	0.319938	0.003634	0.015326
697.3	0.011768	0.320021	0.003766	0.015881
697.4	0.012189	0.320104	0.003902	0.016453
697.5	0.012608	0.320187	0.004037	0.017023
697.6	0.013006	0.320269	0.004165	0.017565
697.7	0.013367	0.320352	0.004282	0.018057
697.8	0.013679	0.320435	0.004383	0.018484
697.9	0.013972	0.320517	0.004478	0.018884
698.0	0.014286	0.320600	0.004580	0.019314
698.1	0.014663	0.320828	0.004704	0.019838
698.2	0.015145	0.321057	0.004862	0.020504
698.3	0.015760	0.321284	0.005063	0.021352
698.4	0.016483	0.321512	0.005299	0.022347
698.5	0.017267	0.321739	0.005555	0.023427
698.6	0.018064	0.321966	0.005816	0.024526
698.7	0.018827	0.322194	0.006066	0.025579
698.8	0.019520	0.322421	0.006294	0.026540
698.9	0.020156	0.322648	0.006503	0.027424
699.0	0.020766	0.322875	0.006705	0.028274
699.1	0.021381	0.323105	0.006908	0.029132
699.2	0.022032	0.323335	0.007124	0.030040
699.3	0.022749	0.323564	0.007361	0.031040
699.4	0.023562	0.323793	0.007629	0.032172
699.5	0.024499	0.324022	0.007938	0.033475
699.6	0.025589	0.324251	0.008297	0.034989
699.7	0.026862	0.324480	0.008716	0.036755

699.8	0.028335	0.324708	0.009201	0.038798
699.9	0.029977	0.324936	0.009741	0.041075
700.0	0.031738	0.325163	0.010320	0.043519
700.1	0.033568	0.325451	0.010925	0.046069
700.2	0.035416	0.325739	0.011536	0.048648
700.3	0.037236	0.326026	0.012140	0.051193
700.4	0.038992	0.326313	0.012724	0.053654
700.5	0.040654	0.326600	0.013278	0.055990
700.6	0.042191	0.326887	0.013792	0.058158
700.7	0.043572	0.327173	0.014256	0.060114
700.8	0.044779	0.327458	0.014663	0.061834
700.9	0.045866	0.327744	0.015032	0.063390
701.0	0.046909	0.328029	0.015387	0.064888
701.1	0.047986	0.328311	0.015754	0.066435
701.2	0.049172	0.328594	0.016158	0.068135
701.3	0.050537	0.328876	0.016620	0.070087
701.4	0.052103	0.329158	0.017150	0.072320
701.5	0.053875	0.329440	0.017749	0.074844
701.6	0.055861	0.329721	0.018419	0.077669
701.7	0.058067	0.330001	0.019162	0.080805
701.8	0.060494	0.330281	0.019980	0.084254
701.9	0.063111	0.330561	0.020862	0.087973
702.0	0.065879	0.330841	0.021795	0.091909
702.1	0.068756	0.330961	0.022756	0.095958
702.2	0.071703	0.331082	0.023740	0.100107
702.3	0.074688	0.331203	0.024737	0.104313
702.4	0.077729	0.331324	0.025753	0.108600
702.5	0.080862	0.331444	0.026801	0.113018
702.6	0.084123	0.331564	0.027892	0.117618
702.7	0.087547	0.331683	0.029038	0.122450
702.8	0.091168	0.331802	0.030250	0.127560
702.9	0.095007	0.331921	0.031535	0.132979
703.0	0.099084	0.332040	0.032900	0.138735
703.1	0.103420	0.332157	0.034352	0.144858
703.2	0.108020	0.332274	0.035892	0.151354
703.3	0.112920	0.332391	0.037534	0.158276
703.4	0.118120	0.332508	0.039276	0.165622
703.5	0.123610	0.332625	0.041116	0.173381
703.6	0.129390	0.332741	0.043053	0.181552
703.7	0.135480	0.332857	0.045095	0.190163
703.8	0.141850	0.332972	0.047232	0.199173
703.9	0.148520	0.333088	0.049470	0.208611
704.0	0.155450	0.333204	0.051797	0.218421

704.1	0.162630	0.333391	0.054219	0.228638
704.2	0.170050	0.333579	0.056725	0.239204
704.3	0.177680	0.333767	0.059304	0.250078
704.4	0.185510	0.333955	0.061952	0.261246
704.5	0.193520	0.334143	0.064663	0.272679
704.6	0.201680	0.334332	0.067428	0.284337
704.7	0.209960	0.334520	0.070236	0.296177
704.8	0.218360	0.334707	0.073087	0.308200
704.9	0.226880	0.334895	0.075981	0.320405
705.0	0.235530	0.335083	0.078922	0.332807
705.1	0.244330	0.335270	0.081916	0.345434
705.2	0.253290	0.335457	0.084968	0.358301
705.3	0.262430	0.335643	0.088083	0.371437
705.4	0.271770	0.335830	0.091268	0.384870
705.5	0.281310	0.336016	0.094525	0.398601
705.6	0.291080	0.336202	0.097862	0.412673
705.7	0.301090	0.336387	0.101283	0.427100
705.8	0.311350	0.336573	0.104792	0.441898
705.9	0.321880	0.336758	0.108396	0.457094
706.0	0.332690	0.336943	0.112098	0.472705
706.1	0.343770	0.337074	0.115876	0.488637
706.2	0.355150	0.337204	0.119758	0.505007
706.3	0.366800	0.337334	0.123734	0.521774
706.4	0.378670	0.337463	0.127787	0.538867
706.5	0.390660	0.337593	0.131884	0.556142
706.6	0.402670	0.337722	0.135990	0.573458
706.7	0.414610	0.337850	0.140076	0.590688
706.8	0.426400	0.337979	0.144114	0.607716
706.9	0.438020	0.338108	0.148098	0.624515
707.0	0.449460	0.338237	0.152024	0.641070
707.1	0.460720	0.338363	0.155890	0.657375
707.2	0.471800	0.338489	0.159699	0.673435
707.3	0.482700	0.338615	0.163449	0.689250
707.4	0.493400	0.338741	0.167135	0.704790
707.5	0.503900	0.338866	0.170755	0.720056
707.6	0.514170	0.338992	0.174300	0.735004
707.7	0.524210	0.339118	0.177769	0.749635
707.8	0.534000	0.339244	0.181156	0.763918
707.9	0.543510	0.339370	0.184451	0.777812
708.0	0.552730	0.339500	0.187652	0.791310
708.1	0.561620	0.339548	0.190697	0.804151
708.2	0.570170	0.339597	0.193628	0.816510
708.3	0.578340	0.339645	0.196430	0.828327

708.4	0.586130	0.339693	0.199104	0.839603
708.5	0.593550	0.339741	0.201653	0.850352
708.6	0.600590	0.339789	0.204074	0.860561
708.7	0.607250	0.339838	0.206367	0.870227
708.8	0.613550	0.339886	0.208537	0.879380
708.9	0.619500	0.339934	0.210589	0.888035
709.0	0.625160	0.339983	0.212544	0.896276
709.1	0.630540	0.340026	0.214400	0.904103
709.2	0.635700	0.340068	0.216181	0.911616
709.3	0.640650	0.340111	0.217892	0.918830
709.4	0.645380	0.340154	0.219529	0.925731
709.5	0.649870	0.340197	0.221084	0.932289
709.6	0.654060	0.340240	0.222537	0.938418
709.7	0.657930	0.340283	0.223882	0.944090
709.8	0.661450	0.340326	0.225108	0.949261
709.9	0.664620	0.340372	0.226218	0.953938
710.0	0.667450	0.340420	0.227213	0.958137
710.1	0.669940	0.340578	0.228167	0.962159
710.2	0.672100	0.340737	0.229009	0.965709
710.3	0.673950	0.340895	0.229746	0.968817
710.4	0.675550	0.341053	0.230399	0.971568
710.5	0.676970	0.341212	0.230990	0.974063
710.6	0.678280	0.341370	0.231545	0.976401
710.7	0.679570	0.341529	0.232093	0.978713
710.8	0.680890	0.341687	0.232651	0.981068
710.9	0.682240	0.341846	0.233221	0.983470
711.0	0.683590	0.342004	0.233791	0.985872
711.1	0.684910	0.342158	0.234347	0.988220
711.2	0.686180	0.342312	0.234888	0.990498
711.3	0.687360	0.342466	0.235398	0.992649
711.4	0.688420	0.342621	0.235867	0.994628
711.5	0.689320	0.342775	0.236282	0.996376
711.6	0.690010	0.342929	0.236624	0.997822
711.7	0.690470	0.343083	0.236888	0.998935
711.8	0.690650	0.343238	0.237057	0.999648
711.9	0.690570	0.343399	0.237141	1.000000
712.0	0.690230	0.343560	0.237135	0.999976
712.1	0.689670	0.343696	0.237037	0.999561
712.2	0.688890	0.343832	0.236863	0.998826
712.3	0.687920	0.343968	0.236623	0.997815
712.4	0.686810	0.344104	0.236334	0.996599
712.5	0.685600	0.344241	0.236011	0.995237
712.6	0.684350	0.344377	0.235674	0.993816

712.7	0.683120	0.344514	0.235344	0.992423
712.8	0.681950	0.344650	0.235034	0.991117
712.9	0.680830	0.344787	0.234741	0.989882
713.0	0.679760	0.344924	0.234466	0.988718
713.1	0.678730	0.345063	0.234204	0.987617
713.2	0.677700	0.345201	0.233943	0.986514
713.3	0.676690	0.345340	0.233688	0.985441
713.4	0.675710	0.345479	0.233444	0.984410
713.5	0.674820	0.345619	0.233231	0.983510
713.6	0.674050	0.345759	0.233059	0.982786
713.7	0.673450	0.345899	0.232946	0.982309
713.8	0.673050	0.346046	0.232906	0.982144
713.9	0.672800	0.346195	0.232920	0.982200
714.0	0.672620	0.346343	0.232957	0.982358
714.1	0.672460	0.346420	0.232953	0.982342
714.2	0.672230	0.346496	0.232925	0.982223
714.3	0.671870	0.346573	0.232852	0.981915
714.4	0.671380	0.346650	0.232734	0.981417
714.5	0.670770	0.346727	0.232574	0.980743
714.6	0.670030	0.346804	0.232369	0.979878
714.7	0.669190	0.346881	0.232129	0.978866
714.8	0.668260	0.346958	0.231858	0.977722
714.9	0.667290	0.347035	0.231573	0.976519
715.0	0.666370	0.347111	0.231305	0.975389
715.1	0.665560	0.347189	0.231075	0.974421
715.2	0.664950	0.347267	0.230915	0.973745
715.3	0.664580	0.347344	0.230838	0.973421
715.4	0.664420	0.347421	0.230834	0.973403
715.5	0.664400	0.347499	0.230878	0.973591
715.6	0.664450	0.347576	0.230947	0.973880
715.7	0.664500	0.347658	0.231019	0.974183
715.8	0.664480	0.347743	0.231068	0.974392
715.9	0.664370	0.347828	0.231086	0.974469
716.0	0.664160	0.347913	0.231070	0.974399
716.1	0.663830	0.347914	0.230956	0.973918
716.2	0.663360	0.347915	0.230793	0.973232
716.3	0.662740	0.347916	0.230578	0.972325
716.4	0.662000	0.347917	0.230321	0.971243
716.5	0.661160	0.347918	0.230030	0.970013
716.6	0.660250	0.347919	0.229714	0.968680
716.7	0.659300	0.347920	0.229384	0.967289
716.8	0.658330	0.347921	0.229047	0.965868
716.9	0.657370	0.347921	0.228713	0.964461

717.0	0.656420	0.347922	0.228383	0.963069
717.1	0.655490	0.347924	0.228061	0.961710
717.2	0.654590	0.347926	0.227749	0.960395
717.3	0.653720	0.347928	0.227448	0.959124
717.4	0.652860	0.347930	0.227150	0.957869
717.5	0.651940	0.347932	0.226831	0.956524
717.6	0.650910	0.347938	0.226476	0.955028
717.7	0.649730	0.347948	0.226073	0.953326
717.8	0.648350	0.347959	0.225599	0.951330
717.9	0.646770	0.347970	0.225056	0.949041
718.0	0.645010	0.347980	0.224451	0.946487
718.1	0.643080	0.348149	0.223887	0.944111
718.2	0.641010	0.348317	0.223275	0.941527
718.3	0.638820	0.348485	0.222619	0.938763
718.4	0.636550	0.348653	0.221935	0.935879
718.5	0.634270	0.348821	0.221247	0.932977
718.6	0.632030	0.348989	0.220572	0.930130
718.7	0.629900	0.349158	0.219934	0.927442
718.8	0.627930	0.349326	0.219352	0.924986
718.9	0.626050	0.349494	0.218801	0.922661
719.0	0.624190	0.349662	0.218255	0.920362
719.1	0.622280	0.349830	0.217692	0.917986
719.2	0.620220	0.349997	0.217075	0.915386
719.3	0.617950	0.350165	0.216385	0.912473
719.4	0.615470	0.350334	0.215620	0.909248
719.5	0.612800	0.350503	0.214788	0.905740
719.6	0.609970	0.350680	0.213904	0.902013
719.7	0.607000	0.350857	0.212970	0.898075
719.8	0.603910	0.351034	0.211993	0.893955
719.9	0.600690	0.351212	0.210969	0.889637
720.0	0.597300	0.351389	0.209885	0.885063
720.1	0.593710	0.351398	0.208629	0.879767
720.2	0.589890	0.351408	0.207292	0.874131
720.3	0.585830	0.351418	0.205871	0.868138
720.4	0.581520	0.351428	0.204362	0.861776
720.5	0.576960	0.351438	0.202765	0.855042
720.6	0.572160	0.351447	0.201084	0.847952
720.7	0.567120	0.351457	0.199318	0.840506
720.8	0.561840	0.351467	0.197468	0.832704
720.9	0.556330	0.351477	0.195537	0.824560
721.0	0.550610	0.351486	0.193532	0.816105
721.1	0.544670	0.351495	0.191449	0.807321
721.2	0.538530	0.351503	0.189295	0.798239

721.3	0.532180	0.351512	0.187068	0.788846
721.4	0.525640	0.351520	0.184773	0.779170
721.5	0.518880	0.351536	0.182405	0.769184
721.6	0.511920	0.351554	0.179967	0.758905
721.7	0.504730	0.351571	0.177449	0.748284
721.8	0.497330	0.351589	0.174856	0.737350
721.9	0.489730	0.351606	0.172192	0.726118
722.0	0.481970	0.351624	0.169472	0.714647
722.1	0.474080	0.351604	0.166689	0.702910
722.2	0.466100	0.351585	0.163874	0.691040
722.3	0.458060	0.351566	0.161038	0.679082
722.4	0.449940	0.351546	0.158175	0.667007
722.5	0.441730	0.351526	0.155280	0.654800
722.6	0.433410	0.351507	0.152346	0.642430
722.7	0.424950	0.351487	0.149364	0.629855
722.8	0.416350	0.351467	0.146333	0.617073
722.9	0.407630	0.351447	0.143260	0.604115
723.0	0.398820	0.351427	0.140156	0.591025
723.1	0.389960	0.351408	0.137035	0.577863
723.2	0.381090	0.351389	0.133911	0.564688
723.3	0.372230	0.351369	0.130790	0.551530
723.4	0.363410	0.351355	0.127686	0.538439
723.5	0.354670	0.351345	0.124612	0.525475
723.6	0.346000	0.351336	0.121562	0.512616
723.7	0.337450	0.351326	0.118555	0.499934
723.8	0.329020	0.351316	0.115590	0.487432
723.9	0.320680	0.351307	0.112657	0.475064
724.0	0.312400	0.351297	0.109745	0.462785
724.1	0.304130	0.351381	0.106865	0.450641
724.2	0.295830	0.351465	0.103974	0.438447
724.3	0.287470	0.351548	0.101060	0.426159
724.4	0.279040	0.351632	0.098119	0.413760
724.5	0.270550	0.351716	0.095157	0.401267
724.6	0.262020	0.351800	0.092179	0.388708
724.7	0.253460	0.351884	0.089189	0.376099
724.8	0.244880	0.351968	0.086190	0.363454
724.9	0.236320	0.352052	0.083197	0.350833
725.0	0.227850	0.352135	0.080234	0.338339
725.1	0.219530	0.352219	0.077323	0.326062
725.2	0.211400	0.352303	0.074477	0.314062
725.3	0.203520	0.352389	0.071718	0.302428
725.4	0.195920	0.352482	0.069058	0.291212
725.5	0.188600	0.352576	0.066496	0.280406

725.6	0.181570	0.352670	0.064034	0.270026
725.7	0.174850	0.352763	0.061681	0.260101
725.8	0.168450	0.352857	0.059439	0.250648
725.9	0.162340	0.352951	0.057298	0.241621
726.0	0.156500	0.353045	0.055252	0.232991
726.1	0.150910	0.353156	0.053295	0.224739
726.2	0.145530	0.353267	0.051411	0.216795
726.3	0.140340	0.353378	0.049593	0.209129
726.4	0.135320	0.353490	0.047834	0.201712
726.5	0.130460	0.353601	0.046131	0.194529
726.6	0.125740	0.353712	0.044476	0.187550
726.7	0.121150	0.353824	0.042866	0.180761
726.8	0.116680	0.353936	0.041297	0.174146
726.9	0.112330	0.354048	0.039770	0.167707
727.0	0.108100	0.354160	0.038285	0.161443
727.1	0.104020	0.354270	0.036851	0.155398
727.2	0.100080	0.354381	0.035466	0.149558
727.3	0.096305	0.354500	0.034140	0.143966
727.4	0.092660	0.354621	0.032859	0.138564
727.5	0.089119	0.354741	0.031614	0.133314
727.6	0.085656	0.354861	0.030396	0.128177
727.7	0.082240	0.354982	0.029194	0.123107
727.8	0.078854	0.355102	0.028001	0.118078
727.9	0.075535	0.355222	0.026832	0.113147
728.0	0.072342	0.355343	0.025706	0.108401
728.1	0.069332	0.355421	0.024642	0.103913
728.2	0.066562	0.355499	0.023663	0.099783
728.3	0.064074	0.355577	0.022783	0.096075
728.4	0.061830	0.355655	0.021990	0.092730
728.5	0.059763	0.355732	0.021260	0.089650
728.6	0.057806	0.355809	0.020568	0.086733
728.7	0.055892	0.355887	0.019891	0.083879
728.8	0.053962	0.355963	0.019208	0.081000
728.9	0.052005	0.356040	0.018516	0.078080
729.0	0.050024	0.356116	0.017814	0.075121
729.1	0.048023	0.356190	0.017105	0.072131
729.2	0.046003	0.356269	0.016389	0.069113
729.3	0.043972	0.356352	0.015670	0.066077
729.4	0.041959	0.356435	0.014956	0.063066
729.5	0.039997	0.356517	0.014260	0.060131
729.6	0.038122	0.356599	0.013594	0.057326
729.7	0.036367	0.356682	0.012971	0.054699
729.8	0.034764	0.356764	0.012403	0.052300

729.9	0.033312	0.356846	0.011887	0.050127
730.0	0.032005	0.356927	0.011423	0.048172
730.1	0.030836	0.356921	0.011006	0.046411
730.2	0.029797	0.356916	0.010635	0.044847
730.3	0.028877	0.356909	0.010306	0.043461
730.4	0.028049	0.356903	0.010011	0.042214
730.5	0.027278	0.356896	0.009735	0.041053
730.6	0.026532	0.356890	0.009469	0.039930
730.7	0.025777	0.356884	0.009199	0.038793
730.8	0.024985	0.356877	0.008917	0.037600
730.9	0.024158	0.356871	0.008621	0.036355
731.0	0.023307	0.356864	0.008317	0.035074
731.1	0.022446	0.356859	0.008010	0.033778
731.2	0.021585	0.356860	0.007703	0.032482
731.3	0.020738	0.356861	0.007401	0.031208
731.4	0.019914	0.356862	0.007107	0.029968
731.5	0.019121	0.356863	0.006824	0.028774
731.6	0.018369	0.356864	0.006555	0.027643
731.7	0.017667	0.356865	0.006305	0.026586
731.8	0.017228	0.356865	0.006148	0.025926
731.9	0.016831	0.356866	0.006006	0.025328
732.0	0.016449	0.356866	0.005870	0.024754
732.1	0.016084	0.357016	0.005742	0.024215
732.2	0.015734	0.357166	0.005620	0.023698
732.3	0.015400	0.357316	0.005503	0.023204
732.4	0.015083	0.357466	0.005392	0.022736
732.5	0.014781	0.357617	0.005286	0.022290
732.6	0.014496	0.357767	0.005186	0.021870
732.7	0.014226	0.357918	0.005092	0.021471
732.8	0.012822	0.358069	0.004591	0.019360
732.9	0.011237	0.358219	0.004025	0.016974
733.0	0.009900	0.358370	0.003548	0.014961
733.1	0.009789	0.358528	0.003510	0.014800
733.2	0.009678	0.358686	0.003471	0.014638
733.3	0.009567	0.358843	0.003433	0.014476
733.4	0.009456	0.359001	0.003395	0.014315
733.5	0.009344	0.359159	0.003356	0.014152
733.6	0.009233	0.359317	0.003318	0.013990
733.7	0.009122	0.359475	0.003279	0.013828
733.8	0.009011	0.359633	0.003241	0.013666
733.9	0.008900	0.359791	0.003202	0.013503
734.0	0.008789	0.359949	0.003164	0.013340
734.1	0.008678	0.359991	0.003124	0.013173

734.2	0.008567	0.360032	0.003084	0.013006
734.3	0.008456	0.360073	0.003045	0.012839
734.4	0.008344	0.360114	0.003005	0.012672
734.5	0.008233	0.360154	0.002965	0.012504
734.6	0.008122	0.360195	0.002926	0.012337
734.7	0.008011	0.360236	0.002886	0.012170
734.8	0.007900	0.360277	0.002846	0.012002
734.9	0.007789	0.360318	0.002806	0.011835
735.0	0.007678	0.360365	0.002767	0.011667
735.1	0.007567	0.360412	0.002727	0.011500
735.2	0.007456	0.360459	0.002687	0.011333
735.3	0.007344	0.360506	0.002648	0.011165
735.4	0.007233	0.360553	0.002608	0.010998
735.5	0.007122	0.360600	0.002568	0.010830
735.6	0.007011	0.360647	0.002529	0.010663
735.7	0.006900	0.360694	0.002489	0.010495
735.8	0.006789	0.360741	0.002449	0.010327
735.9	0.006678	0.360788	0.002409	0.010160
736.0	0.006567	0.360835	0.002369	0.009992
736.1	0.006456	0.360841	0.002329	0.009823
736.2	0.006344	0.360848	0.002289	0.009654
736.3	0.006233	0.360854	0.002249	0.009485
736.4	0.006122	0.360861	0.002209	0.009316
736.5	0.006011	0.360868	0.002169	0.009147
736.6	0.005900	0.360874	0.002129	0.008978
736.7	0.005789	0.360881	0.002089	0.008810
736.8	0.005678	0.360888	0.002049	0.008641
736.9	0.005567	0.360898	0.002009	0.008472
737.0	0.005456	0.360912	0.001969	0.008303
737.1	0.005344	0.360925	0.001929	0.008134
737.2	0.005233	0.360938	0.001889	0.007965
737.3	0.005122	0.360951	0.001849	0.007796
737.4	0.005011	0.360964	0.001809	0.007628
737.5	0.004900	0.360977	0.001769	0.007459
737.6	0.004789	0.360990	0.001729	0.007290
737.7	0.004678	0.361003	0.001689	0.007121
737.8	0.004567	0.361016	0.001649	0.006952
737.9	0.004456	0.361030	0.001609	0.006783
738.0	0.004344	0.361044	0.001569	0.006614
738.1	0.004233	0.361169	0.001529	0.006447
738.2	0.004122	0.361294	0.001489	0.006280
738.3	0.004011	0.361420	0.001450	0.006113
738.4	0.003900	0.361545	0.001410	0.005946

738.5	0.003789	0.361671	0.001370	0.005779
738.6	0.003678	0.361796	0.001331	0.005611
738.7	0.003567	0.361922	0.001291	0.005443
738.8	0.003456	0.362049	0.001251	0.005276
738.9	0.003344	0.362181	0.001211	0.005108
739.0	0.003233	0.362313	0.001171	0.004940
739.1	0.003122	0.362445	0.001132	0.004772
739.2	0.003011	0.362578	0.001092	0.004604
739.3	0.002900	0.362710	0.001052	0.004436
739.4	0.002789	0.362843	0.001012	0.004267
739.5	0.002678	0.362975	0.000972	0.004099
739.6	0.002567	0.363108	0.000932	0.003930
739.7	0.002456	0.363241	0.000892	0.003761
739.8	0.002344	0.363374	0.000852	0.003592
739.9	0.002233	0.363507	0.000812	0.003423
740.0	0.002122	0.363640	0.000772	0.003254
740.1	0.002011	0.363779	0.000732	0.003085
740.2	0.001900	0.363918	0.000691	0.002916
740.3	0.001789	0.364057	0.000651	0.002746
740.4	0.001678	0.364197	0.000611	0.002577
740.5	0.001567	0.364336	0.000571	0.002407
740.6	0.001456	0.364476	0.000531	0.002237
740.7	0.001344	0.364616	0.000490	0.002067
740.8	0.001233	0.364760	0.000450	0.001897
740.9	0.001122	0.364906	0.000409	0.001727
741.0	0.001011	0.365051	0.000369	0.001556
741.1	0.000586	0.365196	0.000214	0.000902
741.2	0.000057	0.365340	0.000021	0.000088
741.3	0.000000	0.365485	0.000000	0.000000
Channel 6				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
705.1	0.000597	0.335270	0.000200	0.000790
705.2	0.001000	0.335457	0.000335	0.001324
705.3	0.001114	0.335643	0.000374	0.001476
705.4	0.001228	0.335830	0.000412	0.001628
705.5	0.001342	0.336016	0.000451	0.001780
705.6	0.001456	0.336202	0.000489	0.001932
705.7	0.001570	0.336387	0.000528	0.002085
705.8	0.001684	0.336573	0.000567	0.002237

705.9	0.001798	0.336758	0.000605	0.002390
706.0	0.001911	0.336943	0.000644	0.002543
706.1	0.002025	0.337074	0.000683	0.002695
706.2	0.002139	0.337204	0.000721	0.002848
706.3	0.002253	0.337334	0.000760	0.003001
706.4	0.002367	0.337463	0.000799	0.003154
706.5	0.002481	0.337593	0.000838	0.003307
706.6	0.002595	0.337722	0.000876	0.003460
706.7	0.002709	0.337850	0.000915	0.003613
706.8	0.002823	0.337979	0.000954	0.003767
706.9	0.002937	0.338108	0.000993	0.003920
707.0	0.003051	0.338237	0.001032	0.004074
707.1	0.003165	0.338363	0.001071	0.004228
707.2	0.003279	0.338489	0.001110	0.004381
707.3	0.003392	0.338615	0.001149	0.004535
707.4	0.003506	0.338741	0.001188	0.004689
707.5	0.003620	0.338866	0.001227	0.004844
707.6	0.003734	0.338992	0.001266	0.004998
707.7	0.003848	0.339118	0.001305	0.005152
707.8	0.003962	0.339244	0.001344	0.005307
707.9	0.004076	0.339370	0.001383	0.005461
708.0	0.004190	0.339500	0.001422	0.005616
708.1	0.004304	0.339548	0.001461	0.005770
708.2	0.004418	0.339597	0.001500	0.005923
708.3	0.004532	0.339645	0.001539	0.006077
708.4	0.004646	0.339693	0.001578	0.006230
708.5	0.004759	0.339741	0.001617	0.006384
708.6	0.004873	0.339789	0.001656	0.006538
708.7	0.004987	0.339838	0.001695	0.006692
708.8	0.005101	0.339886	0.001734	0.006845
708.9	0.005215	0.339934	0.001773	0.006999
709.0	0.005329	0.339983	0.001812	0.007153
709.1	0.005443	0.340026	0.001851	0.007307
709.2	0.005557	0.340068	0.001890	0.007461
709.3	0.005671	0.340111	0.001929	0.007615
709.4	0.005785	0.340154	0.001968	0.007769
709.5	0.005899	0.340197	0.002007	0.007923
709.6	0.006013	0.340240	0.002046	0.008077
709.7	0.006127	0.340283	0.002085	0.008231
709.8	0.006241	0.340326	0.002124	0.008385
709.9	0.006354	0.340372	0.002163	0.008539
710.0	0.006468	0.340420	0.002202	0.008694
710.1	0.006582	0.340578	0.002242	0.008851

710.2	0.006696	0.340737	0.002282	0.009008
710.3	0.006810	0.340895	0.002322	0.009166
710.4	0.006924	0.341053	0.002361	0.009323
710.5	0.007038	0.341212	0.002401	0.009481
710.6	0.007152	0.341370	0.002441	0.009639
710.7	0.007266	0.341529	0.002481	0.009797
710.8	0.007380	0.341687	0.002522	0.009955
710.9	0.007494	0.341846	0.002562	0.010114
711.0	0.007608	0.342004	0.002602	0.010272
711.1	0.007722	0.342158	0.002642	0.010431
711.2	0.007835	0.342312	0.002682	0.010589
711.3	0.007949	0.342466	0.002722	0.010748
711.4	0.008063	0.342621	0.002763	0.010907
711.5	0.008177	0.342775	0.002803	0.011066
711.6	0.008291	0.342929	0.002843	0.011225
711.7	0.008405	0.343083	0.002884	0.011385
711.8	0.008519	0.343238	0.002924	0.011544
711.9	0.008633	0.343399	0.002965	0.011704
712.0	0.008747	0.343560	0.003005	0.011864
712.1	0.008861	0.343696	0.003045	0.012024
712.2	0.008975	0.343832	0.003086	0.012183
712.3	0.009089	0.343968	0.003126	0.012343
712.4	0.009203	0.344104	0.003167	0.012502
712.5	0.009317	0.344241	0.003207	0.012662
712.6	0.009430	0.344377	0.003248	0.012822
712.7	0.009544	0.344514	0.003288	0.012982
712.8	0.009658	0.344650	0.003329	0.013142
712.9	0.009772	0.344787	0.003369	0.013302
713.0	0.009886	0.344924	0.003410	0.013463
713.1	0.010000	0.345063	0.003451	0.013623
713.2	0.010366	0.345201	0.003578	0.014128
713.3	0.010772	0.345340	0.003720	0.014687
713.4	0.011198	0.345479	0.003869	0.015274
713.5	0.011624	0.345619	0.004017	0.015861
713.6	0.012031	0.345759	0.004160	0.016423
713.7	0.012400	0.345899	0.004289	0.016934
713.8	0.012590	0.346046	0.004357	0.017201
713.9	0.012714	0.346195	0.004402	0.017378
714.0	0.012804	0.346343	0.004435	0.017508
714.1	0.012889	0.346420	0.004465	0.017628
714.2	0.013000	0.346496	0.004504	0.017784
714.3	0.013160	0.346573	0.004561	0.018007
714.4	0.013358	0.346650	0.004631	0.018282

714.5	0.013577	0.346727	0.004708	0.018586
714.6	0.013797	0.346804	0.004785	0.018891
714.7	0.014000	0.346881	0.004856	0.019173
714.8	0.014176	0.346958	0.004918	0.019419
714.9	0.014345	0.347035	0.004978	0.019655
715.0	0.014536	0.347111	0.005046	0.019921
715.1	0.014778	0.347189	0.005131	0.020257
715.2	0.015100	0.347267	0.005244	0.020703
715.3	0.015520	0.347344	0.005391	0.021283
715.4	0.016019	0.347421	0.005565	0.021973
715.5	0.016568	0.347499	0.005757	0.022731
715.6	0.017138	0.347576	0.005957	0.023518
715.7	0.017700	0.347658	0.006154	0.024295
715.8	0.018235	0.347743	0.006341	0.025035
715.9	0.018762	0.347828	0.006526	0.025765
716.0	0.019312	0.347913	0.006719	0.026527
716.1	0.019915	0.347914	0.006929	0.027355
716.2	0.020600	0.347915	0.007167	0.028296
716.3	0.021397	0.347916	0.007444	0.029391
716.4	0.022331	0.347917	0.007769	0.030674
716.5	0.023427	0.347918	0.008151	0.032180
716.6	0.024708	0.347919	0.008596	0.033939
716.7	0.026200	0.347920	0.009116	0.035989
716.8	0.027913	0.347921	0.009712	0.038342
716.9	0.029805	0.347921	0.010370	0.040941
717.0	0.031820	0.347922	0.011071	0.043709
717.1	0.033904	0.347924	0.011796	0.046572
717.2	0.036000	0.347926	0.012525	0.049451
717.3	0.038064	0.347928	0.013244	0.052287
717.4	0.040096	0.347930	0.013951	0.055079
717.5	0.042105	0.347932	0.014650	0.057839
717.6	0.044103	0.347938	0.015345	0.060584
717.7	0.046100	0.347948	0.016040	0.063329
717.8	0.048102	0.347959	0.016738	0.066082
717.9	0.050098	0.347970	0.017433	0.068826
718.0	0.052073	0.347980	0.018120	0.071541
718.1	0.054012	0.348149	0.018804	0.074241
718.2	0.055900	0.348317	0.019471	0.076873
718.3	0.057731	0.348485	0.020118	0.079430
718.4	0.059530	0.348653	0.020755	0.081944
718.5	0.061335	0.348821	0.021395	0.084470
718.6	0.063180	0.348989	0.022049	0.087052
718.7	0.065100	0.349158	0.022730	0.089741

718.8	0.067127	0.349326	0.023449	0.092580
718.9	0.069278	0.349494	0.024212	0.095593
719.0	0.071566	0.349662	0.025024	0.098797
719.1	0.074002	0.349830	0.025888	0.102209
719.2	0.076600	0.349997	0.026810	0.105848
719.3	0.079367	0.350165	0.027792	0.109724
719.4	0.082289	0.350334	0.028829	0.113818
719.5	0.085348	0.350503	0.029915	0.118106
719.6	0.088525	0.350680	0.031044	0.122565
719.7	0.091800	0.350857	0.032209	0.127163
719.8	0.095160	0.351034	0.033404	0.131884
719.9	0.098609	0.351212	0.034633	0.136733
720.0	0.102160	0.351389	0.035898	0.141729
720.1	0.105820	0.351398	0.037185	0.146810
720.2	0.109600	0.351408	0.038514	0.152059
720.3	0.113510	0.351418	0.039889	0.157488
720.4	0.117560	0.351428	0.041314	0.163112
720.5	0.121750	0.351438	0.042788	0.168930
720.6	0.126100	0.351447	0.044318	0.174970
720.7	0.130600	0.351457	0.045900	0.181219
720.8	0.135270	0.351467	0.047543	0.187705
720.9	0.140110	0.351477	0.049245	0.194426
721.0	0.145120	0.351486	0.051008	0.201384
721.1	0.150320	0.351495	0.052837	0.208605
721.2	0.155700	0.351503	0.054729	0.216076
721.3	0.161270	0.351512	0.056688	0.223812
721.4	0.167030	0.351520	0.058714	0.231811
721.5	0.172940	0.351536	0.060795	0.240024
721.6	0.179000	0.351554	0.062928	0.248447
721.7	0.185200	0.351571	0.065111	0.257066
721.8	0.191520	0.351589	0.067336	0.265851
721.9	0.197950	0.351606	0.069600	0.274790
722.0	0.204510	0.351624	0.071911	0.283911
722.1	0.211190	0.351604	0.074255	0.293168
722.2	0.218000	0.351585	0.076646	0.302605
722.3	0.224930	0.351566	0.079078	0.312207
722.4	0.231960	0.351546	0.081545	0.321947
722.5	0.239080	0.351526	0.084043	0.331811
722.6	0.246270	0.351507	0.086566	0.341770
722.7	0.253500	0.351487	0.089102	0.351784
722.8	0.260760	0.351467	0.091648	0.361838
722.9	0.268050	0.351447	0.094205	0.371933
723.0	0.275370	0.351427	0.096772	0.382068

723.1	0.282720	0.351408	0.099350	0.392245
723.2	0.290100	0.351389	0.101938	0.402462
723.3	0.297510	0.351369	0.104536	0.412719
723.4	0.304970	0.351355	0.107153	0.423051
723.5	0.312480	0.351345	0.109788	0.433457
723.6	0.320050	0.351336	0.112445	0.443945
723.7	0.327700	0.351326	0.115129	0.454544
723.8	0.335430	0.351316	0.117842	0.465253
723.9	0.343210	0.351307	0.120572	0.476031
724.0	0.351020	0.351297	0.123312	0.486851
724.1	0.358820	0.351381	0.126083	0.497788
724.2	0.366600	0.351465	0.128847	0.508702
724.3	0.374320	0.351548	0.131592	0.519538
724.4	0.381970	0.351632	0.134313	0.530282
724.5	0.389560	0.351716	0.137015	0.540948
724.6	0.397070	0.351800	0.139689	0.551508
724.7	0.404500	0.351884	0.142337	0.561962
724.8	0.411850	0.351968	0.144958	0.572310
724.9	0.419100	0.352052	0.147545	0.582523
725.0	0.426250	0.352135	0.150098	0.592602
725.1	0.433290	0.352219	0.152613	0.602533
725.2	0.440200	0.352303	0.155084	0.612288
725.3	0.446980	0.352389	0.157511	0.621870
725.4	0.453640	0.352482	0.159900	0.631303
725.5	0.460200	0.352576	0.162255	0.640602
725.6	0.466680	0.352670	0.164584	0.649795
725.7	0.473100	0.352763	0.166892	0.658909
725.8	0.479470	0.352857	0.169184	0.667959
725.9	0.485780	0.352951	0.171457	0.676930
726.0	0.492010	0.353045	0.173702	0.685794
726.1	0.498160	0.353156	0.175928	0.694584
726.2	0.504200	0.353267	0.178117	0.703227
726.3	0.510120	0.353378	0.180265	0.711707
726.4	0.515920	0.353490	0.182372	0.720026
726.5	0.521580	0.353601	0.184431	0.728154
726.6	0.527110	0.353712	0.186445	0.736107
726.7	0.532500	0.353824	0.188411	0.743868
726.8	0.537740	0.353936	0.190325	0.751426
726.9	0.542810	0.354048	0.192181	0.758750
727.0	0.547670	0.354160	0.193963	0.765786
727.1	0.552310	0.354270	0.195667	0.772515
727.2	0.556700	0.354381	0.197284	0.778898
727.3	0.560810	0.354500	0.198807	0.784913

727.4	0.564670	0.354621	0.200244	0.790584
727.5	0.568300	0.354741	0.201599	0.795936
727.6	0.571740	0.354861	0.202888	0.801026
727.7	0.575000	0.354982	0.204114	0.805866
727.8	0.578130	0.355102	0.205295	0.810528
727.9	0.581170	0.355222	0.206445	0.815066
728.0	0.584190	0.355343	0.207588	0.819578
728.1	0.587240	0.355421	0.208717	0.824039
728.2	0.590400	0.355499	0.209887	0.828655
728.3	0.593690	0.355577	0.211102	0.833456
728.4	0.597080	0.355655	0.212354	0.838398
728.5	0.600500	0.355732	0.213617	0.843384
728.6	0.603900	0.355809	0.214873	0.848343
728.7	0.607200	0.355887	0.216094	0.853164
728.8	0.610360	0.355963	0.217266	0.857789
728.9	0.613350	0.356040	0.218377	0.862176
729.0	0.616180	0.356116	0.219432	0.866340
729.1	0.618830	0.356190	0.220421	0.870246
729.2	0.621300	0.356269	0.221350	0.873914
729.3	0.623580	0.356352	0.222214	0.877325
729.4	0.625710	0.356435	0.223025	0.880526
729.5	0.627720	0.356517	0.223793	0.883559
729.6	0.629640	0.356599	0.224529	0.886466
729.7	0.631500	0.356682	0.225245	0.889290
729.8	0.633340	0.356764	0.225953	0.892087
729.9	0.635200	0.356846	0.226668	0.894911
730.0	0.637110	0.356927	0.227402	0.897808
730.1	0.639090	0.356921	0.228105	0.900583
730.2	0.641200	0.356916	0.228854	0.903542
730.3	0.643440	0.356909	0.229650	0.906683
730.4	0.645770	0.356903	0.230477	0.909949
730.5	0.648120	0.356896	0.231312	0.913244
730.6	0.650410	0.356890	0.232125	0.916455
730.7	0.652600	0.356884	0.232902	0.919524
730.8	0.654620	0.356877	0.233619	0.922354
730.9	0.656480	0.356871	0.234278	0.924957
731.0	0.658200	0.356864	0.234888	0.927362
731.1	0.659800	0.356859	0.235455	0.929603
731.2	0.661300	0.356860	0.235992	0.931720
731.3	0.662720	0.356861	0.236499	0.933724
731.4	0.664090	0.356862	0.236989	0.935657
731.5	0.665430	0.356863	0.237467	0.937547
731.6	0.666760	0.356864	0.237943	0.939423

731.7	0.668100	0.356865	0.238421	0.941313
731.8	0.669470	0.356865	0.238911	0.943245
731.9	0.670870	0.356866	0.239411	0.945219
732.0	0.672280	0.356866	0.239914	0.947207
732.1	0.673690	0.357016	0.240518	0.949592
732.2	0.675100	0.357166	0.241123	0.951979
732.3	0.676490	0.357316	0.241721	0.954340
732.4	0.677900	0.357466	0.242326	0.956731
732.5	0.679350	0.357617	0.242947	0.959181
732.6	0.680870	0.357767	0.243593	0.961732
732.7	0.682500	0.357918	0.244279	0.964440
732.8	0.684260	0.358069	0.245012	0.967335
732.9	0.686130	0.358219	0.245785	0.970386
733.0	0.688100	0.358370	0.246594	0.973582
733.1	0.690130	0.358528	0.247431	0.976884
733.2	0.692200	0.358686	0.248282	0.980245
733.3	0.694280	0.358843	0.249138	0.983623
733.4	0.696310	0.359001	0.249976	0.986933
733.5	0.698210	0.359159	0.250768	0.990061
733.6	0.699890	0.359317	0.251482	0.992880
733.7	0.701300	0.359475	0.252100	0.995318
733.8	0.702360	0.359633	0.252592	0.997260
733.9	0.703090	0.359791	0.252966	0.998736
734.0	0.703490	0.359949	0.253221	0.999744
734.1	0.703590	0.359991	0.253286	1.000000
734.2	0.703400	0.360032	0.253246	0.999844
734.3	0.702950	0.360073	0.253113	0.999318
734.4	0.702290	0.360114	0.252904	0.998493
734.5	0.701440	0.360154	0.252627	0.997398
734.6	0.700460	0.360195	0.252302	0.996118
734.7	0.699400	0.360236	0.251949	0.994723
734.8	0.698270	0.360277	0.251571	0.993229
734.9	0.697040	0.360318	0.251156	0.991592
735.0	0.695620	0.360365	0.250677	0.989701
735.1	0.693970	0.360412	0.250115	0.987481
735.2	0.692000	0.360459	0.249437	0.984806
735.3	0.689670	0.360506	0.248630	0.981618
735.4	0.686940	0.360553	0.247678	0.977860
735.5	0.683800	0.360600	0.246578	0.973517
735.6	0.680230	0.360647	0.245323	0.968561
735.7	0.676200	0.360694	0.243901	0.962948
735.8	0.671710	0.360741	0.242313	0.956678
735.9	0.666740	0.360788	0.240552	0.949724

736.0	0.661300	0.360835	0.238620	0.942099
736.1	0.655390	0.360841	0.236492	0.933696
736.2	0.649000	0.360848	0.234190	0.924609
736.3	0.642140	0.360854	0.231719	0.914852
736.4	0.634820	0.360861	0.229082	0.904440
736.5	0.627070	0.360868	0.226289	0.893415
736.6	0.618930	0.360874	0.223356	0.881834
736.7	0.610400	0.360881	0.220282	0.869697
736.8	0.601510	0.360888	0.217078	0.857047
736.9	0.592260	0.360898	0.213746	0.843891
737.0	0.582630	0.360912	0.210278	0.830201
737.1	0.572620	0.360925	0.206673	0.815967
737.2	0.562200	0.360938	0.202919	0.801147
737.3	0.551380	0.360951	0.199021	0.785757
737.4	0.540210	0.360964	0.194996	0.769867
737.5	0.528740	0.360977	0.190863	0.753547
737.6	0.517010	0.360990	0.186635	0.736857
737.7	0.505100	0.361003	0.182343	0.719909
737.8	0.493040	0.361016	0.177996	0.702746
737.9	0.480870	0.361030	0.173609	0.685425
738.0	0.468590	0.361044	0.169181	0.667947
738.1	0.456230	0.361169	0.164776	0.650554
738.2	0.443800	0.361294	0.160342	0.633049
738.3	0.431330	0.361420	0.155891	0.615475
738.4	0.418850	0.361545	0.151433	0.597875
738.5	0.406410	0.361671	0.146987	0.580319
738.6	0.394040	0.361796	0.142562	0.562851
738.7	0.381800	0.361922	0.138182	0.545557
738.8	0.369710	0.362049	0.133853	0.528467
738.9	0.357790	0.362181	0.129585	0.511615
739.0	0.346040	0.362313	0.125375	0.494994
739.1	0.334480	0.362445	0.121231	0.478632
739.2	0.323100	0.362578	0.117149	0.462517
739.3	0.311910	0.362710	0.113133	0.446661
739.4	0.300910	0.362843	0.109183	0.431067
739.5	0.290060	0.362975	0.105285	0.415675
739.6	0.279370	0.363108	0.101442	0.400502
739.7	0.268800	0.363241	0.097639	0.385490
739.8	0.258350	0.363374	0.093878	0.370639
739.9	0.248050	0.363507	0.090168	0.355993
740.0	0.237900	0.363640	0.086510	0.341551
740.1	0.227950	0.363779	0.082923	0.327391
740.2	0.218200	0.363918	0.079407	0.313507

740.3	0.208690	0.364057	0.075975	0.299958
740.4	0.199410	0.364197	0.072624	0.286729
740.5	0.190390	0.364336	0.069366	0.273864
740.6	0.181620	0.364476	0.066196	0.261350
740.7	0.173100	0.364616	0.063115	0.249185
740.8	0.164850	0.364760	0.060131	0.237403
740.9	0.156920	0.364906	0.057261	0.226073
741.0	0.149350	0.365051	0.054520	0.215252
741.1	0.142200	0.365196	0.051931	0.205028
741.2	0.135500	0.365340	0.049504	0.195446
741.3	0.129300	0.365485	0.047257	0.186577
741.4	0.123540	0.365630	0.045170	0.178336
741.5	0.118170	0.365776	0.043224	0.170652
741.6	0.113110	0.365921	0.041389	0.163410
741.7	0.108300	0.366067	0.039645	0.156523
741.8	0.103690	0.366212	0.037973	0.149920
741.9	0.099253	0.366358	0.036362	0.143562
742.0	0.094983	0.366503	0.034812	0.137440
742.1	0.090869	0.366665	0.033319	0.131545
742.2	0.086900	0.366828	0.031877	0.125855
742.3	0.083072	0.366990	0.030487	0.120364
742.4	0.079409	0.367152	0.029155	0.115108
742.5	0.075940	0.367315	0.027894	0.110128
742.6	0.072693	0.367477	0.026713	0.105466
742.7	0.069700	0.367643	0.025625	0.101169
742.8	0.066977	0.367810	0.024635	0.097261
742.9	0.064496	0.367977	0.023733	0.093701
743.0	0.062216	0.368144	0.022904	0.090429
743.1	0.060098	0.368310	0.022135	0.087390
743.2	0.058100	0.368476	0.021408	0.084523
743.3	0.056184	0.368642	0.020712	0.081772
743.4	0.054317	0.368808	0.020033	0.079091
743.5	0.052469	0.368974	0.019360	0.076434
743.6	0.050607	0.369141	0.018681	0.073755
743.7	0.048700	0.369307	0.017985	0.071008
743.8	0.046727	0.369474	0.017264	0.068162
743.9	0.044699	0.369640	0.016523	0.065233
744.0	0.042637	0.369807	0.015767	0.062252
744.1	0.040564	0.370003	0.015009	0.059256
744.2	0.038500	0.370198	0.014253	0.056271
744.3	0.036471	0.370394	0.013509	0.053334
744.4	0.034519	0.370590	0.012792	0.050506
744.5	0.032692	0.370786	0.012122	0.047858

744.6	0.031036	0.370983	0.011514	0.045458
744.7	0.029600	0.371182	0.010987	0.043378
744.8	0.028411	0.371382	0.010551	0.041658
744.9	0.027422	0.371582	0.010190	0.040229
745.0	0.026568	0.371781	0.009877	0.038997
745.1	0.025782	0.371980	0.009590	0.037864
745.2	0.025000	0.372179	0.009304	0.036735
745.3	0.024169	0.372378	0.009000	0.035533
745.4	0.023294	0.372577	0.008679	0.034265
745.5	0.022395	0.372776	0.008348	0.032960
745.6	0.021491	0.372975	0.008016	0.031646
745.7	0.020600	0.373174	0.007687	0.030351
745.8	0.019742	0.373373	0.007371	0.029102
745.9	0.018935	0.373573	0.007074	0.027927
746.0	0.018197	0.373772	0.006802	0.026853
746.1	0.017546	0.373885	0.006560	0.025900
746.2	0.017000	0.373999	0.006358	0.025102
746.3	0.016565	0.374112	0.006197	0.024467
746.4	0.016200	0.374225	0.006062	0.023935
746.5	0.015853	0.374338	0.005934	0.023430
746.6	0.015470	0.374453	0.005793	0.022871
746.7	0.015000	0.374568	0.005619	0.022183
746.8	0.014306	0.374683	0.005360	0.021163
746.9	0.013540	0.374798	0.005075	0.020036
747.0	0.012780	0.374913	0.004791	0.018917
747.1	0.012107	0.375028	0.004540	0.017926
747.2	0.011600	0.375143	0.004352	0.017181
747.3	0.011500	0.375258	0.004315	0.017038
747.4	0.011400	0.375373	0.004279	0.016895
747.5	0.011300	0.375488	0.004243	0.016752
747.6	0.011200	0.375603	0.004207	0.016609
747.7	0.011100	0.375718	0.004170	0.016465
747.8	0.011000	0.375834	0.004134	0.016322
747.9	0.010900	0.375949	0.004098	0.016179
748.0	0.010800	0.376063	0.004061	0.016035
748.1	0.010700	0.376320	0.004027	0.015898
748.2	0.010600	0.376577	0.003992	0.015760
748.3	0.010500	0.376834	0.003957	0.015622
748.4	0.010400	0.377092	0.003922	0.015484
748.5	0.010300	0.377350	0.003887	0.015345
748.6	0.010200	0.377608	0.003852	0.015207
748.7	0.010100	0.377866	0.003816	0.015068
748.8	0.010000	0.378124	0.003781	0.014929

748.9	0.009875	0.378383	0.003737	0.014752
749.0	0.009750	0.378641	0.003692	0.014575
749.1	0.009625	0.378901	0.003647	0.014398
749.2	0.009500	0.379161	0.003602	0.014221
749.3	0.009375	0.379420	0.003557	0.014044
749.4	0.009250	0.379680	0.003512	0.013866
749.5	0.009125	0.379940	0.003467	0.013688
749.6	0.009000	0.380200	0.003422	0.013510
749.7	0.008875	0.380460	0.003377	0.013331
749.8	0.008750	0.380720	0.003331	0.013152
749.9	0.008625	0.380980	0.003286	0.012973
750.0	0.008500	0.381240	0.003241	0.012794
750.1	0.008375	0.381383	0.003194	0.012611
750.2	0.008250	0.381526	0.003148	0.012427
750.3	0.008125	0.381669	0.003101	0.012243
750.4	0.008000	0.381812	0.003054	0.012059
750.5	0.007875	0.381954	0.003008	0.011875
750.6	0.007750	0.382097	0.002961	0.011691
750.7	0.007625	0.382240	0.002915	0.011507
750.8	0.007500	0.382382	0.002868	0.011323
750.9	0.007375	0.382525	0.002821	0.011138
751.0	0.007250	0.382668	0.002774	0.010953
751.1	0.007125	0.382810	0.002728	0.010769
751.2	0.007000	0.382952	0.002681	0.010584
751.3	0.006875	0.383095	0.002634	0.010398
751.4	0.006750	0.383237	0.002587	0.010213
751.5	0.006625	0.383379	0.002540	0.010028
751.6	0.006500	0.383522	0.002493	0.009842
751.7	0.006375	0.383665	0.002446	0.009657
751.8	0.006250	0.383807	0.002399	0.009471
751.9	0.006125	0.383950	0.002352	0.009285
752.0	0.006000	0.384093	0.002305	0.009099
752.1	0.005875	0.384283	0.002258	0.008913
752.2	0.005750	0.384473	0.002211	0.008728
752.3	0.005625	0.384663	0.002164	0.008543
752.4	0.005500	0.384852	0.002117	0.008357
752.5	0.005375	0.385041	0.002070	0.008171
752.6	0.005250	0.385231	0.002022	0.007985
752.7	0.005125	0.385420	0.001975	0.007799
752.8	0.005000	0.385608	0.001928	0.007612
752.9	0.004875	0.385797	0.001881	0.007425
753.0	0.004750	0.385985	0.001833	0.007239
753.1	0.004625	0.386172	0.001786	0.007051

753.2	0.004500	0.386358	0.001739	0.006864
753.3	0.004375	0.386543	0.001691	0.006677
753.4	0.004250	0.386729	0.001644	0.006489
753.5	0.004125	0.386914	0.001596	0.006301
753.6	0.004000	0.387099	0.001548	0.006113
753.7	0.003875	0.387284	0.001501	0.005925
753.8	0.003750	0.387468	0.001453	0.005737
753.9	0.003625	0.387653	0.001405	0.005548
754.0	0.003500	0.387837	0.001357	0.005359
754.1	0.003375	0.387953	0.001309	0.005169
754.2	0.003250	0.388069	0.001261	0.004979
754.3	0.003125	0.388181	0.001213	0.004789
754.4	0.003000	0.388294	0.001165	0.004599
754.5	0.002875	0.388407	0.001117	0.004409
754.6	0.002750	0.388519	0.001068	0.004218
754.7	0.002625	0.388632	0.001020	0.004028
754.8	0.002500	0.388744	0.000972	0.003837
754.9	0.002375	0.388857	0.000924	0.003646
755.0	0.002250	0.388969	0.000875	0.003455
755.1	0.002125	0.389077	0.000827	0.003264
755.2	0.002000	0.389185	0.000778	0.003073
755.3	0.001875	0.389293	0.000730	0.002882
755.4	0.001750	0.389402	0.000681	0.002690
755.5	0.001625	0.389510	0.000633	0.002499
755.6	0.001500	0.389619	0.000596	0.002354
755.7	0.001420	0.389727	0.000553	0.002185
755.8	0.001295	0.389836	0.000505	0.001993
755.9	0.001155	0.389945	0.000450	0.001778
756.0	0.001000	0.390053	0.000390	0.001540
756.1	0.000830	0.390369	0.000324	0.001279
756.2	0.000645	0.390682	0.000252	0.000995
756.3	0.000445	0.390994	0.000174	0.000687
756.4	0.000230	0.391306	0.000090	0.000355
756.5	0.000000	0.391618	0.000000	0.000000
Channel 7				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
716.6	0.000034	0.347919	0.000012	0.000039
716.7	0.000143	0.347920	0.000050	0.000165
716.8	0.000270	0.347921	0.000094	0.000310
716.9	0.000407	0.347921	0.000142	0.000469

717.0	0.000551	0.347922	0.000192	0.000635
717.1	0.000696	0.347924	0.000242	0.000802
717.2	0.000839	0.347926	0.000292	0.000967
717.3	0.000976	0.347928	0.000339	0.001123
717.4	0.001101	0.347930	0.000383	0.001268
717.5	0.001212	0.347932	0.000422	0.001395
717.6	0.001303	0.347938	0.000454	0.001501
717.7	0.001372	0.347948	0.000477	0.001580
717.8	0.001414	0.347959	0.000492	0.001629
717.9	0.001425	0.347970	0.000496	0.001641
718.0	0.001401	0.347980	0.000488	0.001614
718.1	0.001340	0.348149	0.000466	0.001544
718.2	0.001249	0.348317	0.000435	0.001440
718.3	0.001136	0.348485	0.000396	0.001311
718.4	0.001011	0.348653	0.000353	0.001167
718.5	0.000883	0.348821	0.000308	0.001019
718.6	0.000760	0.348989	0.000265	0.000878
718.7	0.000652	0.349158	0.000228	0.000753
718.8	0.000567	0.349326	0.000198	0.000655
718.9	0.000514	0.349494	0.000180	0.000594
719.0	0.000502	0.349662	0.000176	0.000581
719.1	0.000538	0.349830	0.000188	0.000622
719.2	0.000616	0.349997	0.000215	0.000713
719.3	0.000729	0.350165	0.000255	0.000844
719.4	0.000869	0.350334	0.000304	0.001007
719.5	0.001029	0.350503	0.000361	0.001193
719.6	0.001201	0.350680	0.000421	0.001394
719.7	0.001377	0.350857	0.000483	0.001599
719.8	0.001550	0.351034	0.000544	0.001801
719.9	0.001713	0.351212	0.000602	0.001991
720.0	0.001857	0.351389	0.000653	0.002160
720.1	0.001976	0.351398	0.000695	0.002299
720.2	0.002070	0.351408	0.000727	0.002407
720.3	0.002136	0.351418	0.000750	0.002484
720.4	0.002174	0.351428	0.000764	0.002529
720.5	0.002185	0.351438	0.000768	0.002542
720.6	0.002168	0.351447	0.000762	0.002522
720.7	0.002121	0.351457	0.000746	0.002468
720.8	0.002045	0.351467	0.000719	0.002380
720.9	0.001940	0.351477	0.000682	0.002257
721.0	0.001804	0.351486	0.000634	0.002099
721.1	0.001639	0.351495	0.000576	0.001907
721.2	0.001454	0.351503	0.000511	0.001691

721.3	0.001258	0.351512	0.000442	0.001463
721.4	0.001062	0.351520	0.000373	0.001235
721.5	0.000876	0.351536	0.000308	0.001019
721.6	0.000710	0.351554	0.000249	0.000826
721.7	0.000574	0.351571	0.000202	0.000668
721.8	0.000479	0.351589	0.000168	0.000558
721.9	0.000435	0.351606	0.000153	0.000506
722.0	0.000452	0.351624	0.000159	0.000526
722.1	0.000536	0.351604	0.000189	0.000624
722.2	0.000679	0.351585	0.000239	0.000791
722.3	0.000869	0.351566	0.000306	0.001011
722.4	0.001093	0.351546	0.000384	0.001271
722.5	0.001338	0.351526	0.000470	0.001557
722.6	0.001593	0.351507	0.000560	0.001853
722.7	0.001845	0.351487	0.000648	0.002146
722.8	0.002081	0.351467	0.000731	0.002421
722.9	0.002289	0.351447	0.000805	0.002663
723.0	0.002458	0.351427	0.000864	0.002859
723.1	0.002578	0.351408	0.000906	0.002998
723.2	0.002654	0.351389	0.000933	0.003087
723.3	0.002697	0.351369	0.000948	0.003137
723.4	0.002716	0.351355	0.000954	0.003159
723.5	0.002721	0.351345	0.000956	0.003164
723.6	0.002720	0.351336	0.000956	0.003163
723.7	0.002724	0.351326	0.000957	0.003168
723.8	0.002742	0.351316	0.000963	0.003188
723.9	0.002783	0.351307	0.000978	0.003236
724.0	0.002857	0.351297	0.001004	0.003322
724.1	0.002971	0.351381	0.001044	0.003455
724.2	0.003121	0.351465	0.001097	0.003631
724.3	0.003303	0.351548	0.001161	0.003843
724.4	0.003510	0.351632	0.001234	0.004085
724.5	0.003736	0.351716	0.001314	0.004349
724.6	0.003976	0.351800	0.001399	0.004630
724.7	0.004224	0.351884	0.001486	0.004920
724.8	0.004475	0.351968	0.001575	0.005214
724.9	0.004723	0.352052	0.001663	0.005503
725.0	0.004961	0.352135	0.001747	0.005782
725.1	0.005186	0.352219	0.001827	0.006046
725.2	0.005400	0.352303	0.001902	0.006297
725.3	0.005604	0.352389	0.001975	0.006537
725.4	0.005803	0.352482	0.002045	0.006770
725.5	0.005998	0.352576	0.002115	0.007000

725.6	0.006193	0.352670	0.002184	0.007229
725.7	0.006390	0.352763	0.002254	0.007462
725.8	0.006593	0.352857	0.002326	0.007701
725.9	0.006804	0.352951	0.002402	0.007950
726.0	0.007027	0.353045	0.002481	0.008212
726.1	0.007263	0.353156	0.002565	0.008490
726.2	0.007511	0.353267	0.002653	0.008783
726.3	0.007769	0.353378	0.002745	0.009087
726.4	0.008036	0.353490	0.002841	0.009402
726.5	0.008309	0.353601	0.002938	0.009725
726.6	0.008587	0.353712	0.003037	0.010054
726.7	0.008868	0.353824	0.003138	0.010386
726.8	0.009150	0.353936	0.003239	0.010720
726.9	0.009432	0.354048	0.003339	0.011053
727.0	0.009710	0.354160	0.003439	0.011383
727.1	0.009984	0.354270	0.003537	0.011708
727.2	0.010253	0.354381	0.003633	0.012027
727.3	0.010515	0.354500	0.003728	0.012338
727.4	0.010770	0.354621	0.003819	0.012642
727.5	0.011018	0.354741	0.003909	0.012937
727.6	0.011257	0.354861	0.003995	0.013222
727.7	0.011486	0.354982	0.004077	0.013496
727.8	0.011705	0.355102	0.004156	0.013758
727.9	0.011914	0.355222	0.004232	0.014008
728.0	0.012110	0.355343	0.004303	0.014244
728.1	0.012295	0.355421	0.004370	0.014464
728.2	0.012478	0.355499	0.004436	0.014683
728.3	0.012667	0.355577	0.004504	0.014909
728.4	0.012873	0.355655	0.004578	0.015154
728.5	0.013105	0.355732	0.004662	0.015431
728.6	0.013373	0.355809	0.004758	0.015750
728.7	0.013686	0.355887	0.004871	0.016122
728.8	0.014055	0.355963	0.005003	0.016560
728.9	0.014489	0.356040	0.005159	0.017075
729.0	0.014997	0.356116	0.005341	0.017678
729.1	0.015587	0.356190	0.005552	0.018377
729.2	0.016254	0.356269	0.005791	0.019168
729.3	0.016991	0.356352	0.006055	0.020041
729.4	0.017791	0.356435	0.006341	0.020990
729.5	0.018646	0.356517	0.006648	0.022004
729.6	0.019550	0.356599	0.006972	0.023076
729.7	0.020494	0.356682	0.007310	0.024196
729.8	0.021472	0.356764	0.007660	0.025356

729.9	0.022477	0.356846	0.008021	0.026549
730.0	0.023501	0.356927	0.008388	0.027765
730.1	0.024538	0.356921	0.008758	0.028990
730.2	0.025586	0.356916	0.009132	0.030227
730.3	0.026643	0.356909	0.009509	0.031475
730.4	0.027708	0.356903	0.009889	0.032733
730.5	0.028780	0.356896	0.010271	0.033999
730.6	0.029858	0.356890	0.010656	0.035272
730.7	0.030940	0.356884	0.011042	0.036549
730.8	0.032025	0.356877	0.011429	0.037830
730.9	0.033112	0.356871	0.011817	0.039113
731.0	0.034199	0.356864	0.012204	0.040397
731.1	0.035288	0.356859	0.012593	0.041682
731.2	0.036391	0.356860	0.012986	0.042985
731.3	0.037524	0.356861	0.013391	0.044324
731.4	0.038700	0.356862	0.013811	0.045713
731.5	0.039935	0.356863	0.014251	0.047172
731.6	0.041244	0.356864	0.014718	0.048718
731.7	0.042642	0.356865	0.015217	0.050370
731.8	0.044144	0.356865	0.015753	0.052144
731.9	0.045765	0.356866	0.016332	0.054059
732.0	0.047519	0.356866	0.016958	0.056131
732.1	0.049418	0.357016	0.017643	0.058399
732.2	0.051454	0.357166	0.018378	0.060830
732.3	0.053616	0.357316	0.019158	0.063413
732.4	0.055894	0.357466	0.019980	0.066135
732.5	0.058276	0.357617	0.020840	0.068982
732.6	0.060752	0.357767	0.021735	0.071943
732.7	0.063309	0.357918	0.022659	0.075003
732.8	0.065938	0.358069	0.023610	0.078150
732.9	0.068626	0.358219	0.024583	0.081371
733.0	0.071364	0.358370	0.025575	0.084653
733.1	0.074143	0.358528	0.026582	0.087988
733.2	0.076974	0.358686	0.027609	0.091388
733.3	0.079869	0.358843	0.028660	0.094866
733.4	0.082843	0.359001	0.029741	0.098442
733.5	0.085908	0.359159	0.030855	0.102129
733.6	0.089077	0.359317	0.032007	0.105943
733.7	0.092365	0.359475	0.033203	0.109902
733.8	0.095785	0.359633	0.034447	0.114021
733.9	0.099350	0.359791	0.035745	0.118317
734.0	0.103070	0.359949	0.037100	0.122801
734.1	0.106970	0.359991	0.038508	0.127463

734.2	0.111040	0.360032	0.039978	0.132327
734.3	0.115290	0.360073	0.041513	0.137408
734.4	0.119730	0.360114	0.043116	0.142716
734.5	0.124360	0.360154	0.044789	0.148251
734.6	0.129190	0.360195	0.046534	0.154027
734.7	0.134220	0.360236	0.048351	0.160042
734.8	0.139460	0.360277	0.050244	0.166309
734.9	0.144900	0.360318	0.052210	0.172816
735.0	0.150570	0.360365	0.054260	0.179602
735.1	0.156450	0.360412	0.056386	0.186640
735.2	0.162540	0.360459	0.058589	0.193930
735.3	0.168840	0.360506	0.060868	0.201473
735.4	0.175340	0.360553	0.063219	0.209256
735.5	0.182030	0.360600	0.065640	0.217269
735.6	0.188910	0.360647	0.068130	0.225510
735.7	0.195960	0.360694	0.070682	0.233957
735.8	0.203180	0.360741	0.073295	0.242608
735.9	0.210560	0.360788	0.075967	0.251453
736.0	0.218100	0.360835	0.078698	0.260492
736.1	0.225790	0.360841	0.081474	0.269681
736.2	0.233620	0.360848	0.084301	0.279038
736.3	0.241620	0.360854	0.087190	0.288598
736.4	0.249780	0.360861	0.090136	0.298351
736.5	0.258110	0.360868	0.093144	0.308306
736.6	0.266610	0.360874	0.096213	0.318465
736.7	0.275290	0.360881	0.099347	0.328839
736.8	0.284150	0.360888	0.102546	0.339429
736.9	0.293210	0.360898	0.105819	0.350262
737.0	0.302460	0.360912	0.109161	0.361325
737.1	0.311900	0.360925	0.112572	0.372616
737.2	0.321530	0.360938	0.116052	0.384134
737.3	0.331310	0.360951	0.119587	0.395833
737.4	0.341230	0.360964	0.123172	0.407699
737.5	0.351260	0.360977	0.126797	0.419698
737.6	0.361380	0.360990	0.130455	0.431806
737.7	0.371570	0.361003	0.134138	0.443998
737.8	0.381810	0.361016	0.137840	0.456251
737.9	0.392080	0.361030	0.141553	0.468541
738.0	0.402350	0.361044	0.145266	0.480832
738.1	0.412600	0.361169	0.149018	0.493252
738.2	0.422820	0.361294	0.152762	0.505645
738.3	0.433000	0.361420	0.156495	0.517999
738.4	0.443120	0.361545	0.160208	0.530290

738.5	0.453170	0.361671	0.163898	0.542505
738.6	0.463150	0.361796	0.167566	0.554645
738.7	0.473020	0.361922	0.171196	0.566662
738.8	0.482800	0.362049	0.174797	0.578581
738.9	0.492450	0.362181	0.178356	0.590360
739.0	0.501980	0.362313	0.181874	0.602005
739.1	0.511360	0.362445	0.185340	0.613478
739.2	0.520590	0.362578	0.188754	0.624779
739.3	0.529670	0.362710	0.192117	0.635909
739.4	0.538600	0.362843	0.195427	0.646866
739.5	0.547360	0.362975	0.198678	0.657627
739.6	0.555960	0.363108	0.201874	0.668204
739.7	0.564390	0.363241	0.205009	0.678583
739.8	0.572640	0.363374	0.208082	0.688755
739.9	0.580720	0.363507	0.211096	0.698729
740.0	0.588610	0.363640	0.214042	0.708482
740.1	0.596320	0.363779	0.216929	0.718036
740.2	0.603830	0.363918	0.219745	0.727357
740.3	0.611160	0.364057	0.222497	0.736469
740.4	0.618300	0.364197	0.225183	0.745358
740.5	0.625240	0.364336	0.227798	0.754012
740.6	0.631990	0.364476	0.230345	0.762445
740.7	0.638540	0.364616	0.232822	0.770642
740.8	0.644900	0.364760	0.235234	0.778627
740.9	0.651070	0.364906	0.237579	0.786389
741.0	0.657030	0.365051	0.239849	0.793904
741.1	0.662790	0.365196	0.242048	0.801181
741.2	0.668360	0.365340	0.244179	0.808235
741.3	0.673720	0.365485	0.246235	0.815040
741.4	0.678880	0.365630	0.248219	0.821608
741.5	0.683840	0.365776	0.250132	0.827939
741.6	0.688590	0.365921	0.251970	0.834022
741.7	0.693140	0.366067	0.253735	0.839867
741.8	0.697480	0.366212	0.255426	0.845461
741.9	0.701620	0.366358	0.257044	0.850818
742.0	0.705550	0.366503	0.258587	0.855924
742.1	0.709270	0.366665	0.260065	0.860817
742.2	0.712800	0.366828	0.261475	0.865484
742.3	0.716160	0.366990	0.262823	0.869948
742.4	0.719360	0.367152	0.264115	0.874222
742.5	0.722410	0.367315	0.265352	0.878317
742.6	0.725340	0.367477	0.266546	0.882270
742.7	0.728160	0.367643	0.267703	0.886099

742.8	0.730880	0.367810	0.268825	0.889813
742.9	0.733530	0.367977	0.269922	0.893445
743.0	0.736110	0.368144	0.270994	0.896994
743.1	0.738650	0.368310	0.272052	0.900495
743.2	0.741120	0.368476	0.273085	0.903913
743.3	0.743540	0.368642	0.274100	0.907273
743.4	0.745870	0.368808	0.275083	0.910527
743.5	0.748120	0.368974	0.276037	0.913685
743.6	0.750270	0.369141	0.276955	0.916724
743.7	0.752310	0.369307	0.277833	0.919631
743.8	0.754230	0.369474	0.278668	0.922395
743.9	0.756020	0.369640	0.279456	0.925001
744.0	0.757670	0.369807	0.280192	0.927437
744.1	0.759170	0.370003	0.280895	0.929765
744.2	0.760540	0.370198	0.281551	0.931935
744.3	0.761800	0.370394	0.282166	0.933973
744.4	0.762970	0.370590	0.282749	0.935902
744.5	0.764080	0.370786	0.283310	0.937759
744.6	0.765140	0.370983	0.283854	0.939559
744.7	0.766180	0.371182	0.284392	0.941341
744.8	0.767220	0.371382	0.284932	0.943126
744.9	0.768280	0.371582	0.285479	0.944937
745.0	0.769390	0.371781	0.286045	0.946811
745.1	0.770550	0.371980	0.286629	0.948745
745.2	0.771750	0.372179	0.287229	0.950731
745.3	0.772980	0.372378	0.287840	0.952755
745.4	0.774210	0.372577	0.288453	0.954781
745.5	0.775420	0.372776	0.289058	0.956784
745.6	0.776590	0.372975	0.289648	0.958739
745.7	0.777710	0.373174	0.290221	0.960635
745.8	0.778740	0.373373	0.290761	0.962421
745.9	0.779670	0.373573	0.291263	0.964085
746.0	0.780480	0.373772	0.291722	0.965602
746.1	0.781160	0.373885	0.292064	0.966736
746.2	0.781710	0.373999	0.292358	0.967709
746.3	0.782150	0.374112	0.292611	0.968547
746.4	0.782490	0.374225	0.292827	0.969261
746.5	0.782760	0.374338	0.293017	0.969888
746.6	0.782960	0.374453	0.293182	0.970434
746.7	0.783120	0.374568	0.293332	0.970931
746.8	0.783250	0.374683	0.293470	0.971390
746.9	0.783360	0.374798	0.293602	0.971824
747.0	0.783460	0.374913	0.293729	0.972247

747.1	0.783590	0.375028	0.293868	0.972706
747.2	0.783730	0.375143	0.294011	0.973179
747.3	0.783890	0.375258	0.294161	0.973676
747.4	0.784080	0.375373	0.294322	0.974210
747.5	0.784290	0.375488	0.294492	0.974770
747.6	0.784530	0.375603	0.294672	0.975367
747.7	0.784790	0.375718	0.294860	0.975990
747.8	0.785090	0.375834	0.295063	0.976662
747.9	0.785430	0.375949	0.295281	0.977384
748.0	0.785800	0.376063	0.295511	0.978143
748.1	0.786210	0.376320	0.295867	0.979321
748.2	0.786650	0.376577	0.296234	0.980539
748.3	0.787110	0.376834	0.296610	0.981782
748.4	0.787590	0.377092	0.296994	0.983052
748.5	0.788080	0.377350	0.297382	0.984336
748.6	0.788570	0.377608	0.297770	0.985622
748.7	0.789060	0.377866	0.298159	0.986909
748.8	0.789530	0.378124	0.298540	0.988172
748.9	0.789980	0.378383	0.298915	0.989411
749.0	0.790400	0.378641	0.299278	0.990614
749.1	0.790790	0.378901	0.299631	0.991782
749.2	0.791140	0.379161	0.299969	0.992901
749.3	0.791440	0.379420	0.300288	0.993958
749.4	0.791700	0.379680	0.300593	0.994965
749.5	0.791920	0.379940	0.300882	0.995923
749.6	0.792080	0.380200	0.301149	0.996805
749.7	0.792190	0.380460	0.301396	0.997625
749.8	0.792250	0.380720	0.301625	0.998382
749.9	0.792240	0.380980	0.301828	0.999052
750.0	0.792170	0.381240	0.302007	0.999647
750.1	0.792040	0.381383	0.302071	0.999857
750.2	0.791840	0.381526	0.302108	0.999979
750.3	0.791560	0.381669	0.302114	1.000000
750.4	0.791210	0.381812	0.302093	0.999932
750.5	0.790770	0.381954	0.302038	0.999749
750.6	0.790240	0.382097	0.301948	0.999452
750.7	0.789620	0.382240	0.301824	0.999041
750.8	0.788900	0.382382	0.301661	0.998502
750.9	0.788070	0.382525	0.301456	0.997824
751.0	0.787140	0.382668	0.301213	0.997019
751.1	0.786090	0.382810	0.300923	0.996059
751.2	0.784930	0.382952	0.300591	0.994958
751.3	0.783620	0.383095	0.300201	0.993667

751.4	0.782180	0.383237	0.299760	0.992210
751.5	0.780570	0.383379	0.299254	0.990535
751.6	0.778800	0.383522	0.298687	0.988657
751.7	0.776850	0.383665	0.298050	0.986548
751.8	0.774720	0.383807	0.297343	0.984209
751.9	0.772380	0.383950	0.296555	0.981600
752.0	0.769840	0.384093	0.295690	0.978736
752.1	0.767070	0.384283	0.294772	0.975698
752.2	0.764070	0.384473	0.293764	0.972363
752.3	0.760840	0.384663	0.292667	0.968731
752.4	0.757350	0.384852	0.291468	0.964762
752.5	0.753600	0.385041	0.290167	0.960456
752.6	0.749580	0.385231	0.288761	0.955802
752.7	0.745270	0.385420	0.287242	0.950773
752.8	0.740680	0.385608	0.285612	0.945380
752.9	0.735780	0.385797	0.283862	0.939585
753.0	0.730570	0.385985	0.281989	0.933388
753.1	0.725040	0.386172	0.279990	0.926769
753.2	0.719180	0.386358	0.277861	0.919721
753.3	0.712990	0.386543	0.275601	0.912243
753.4	0.706460	0.386729	0.273208	0.904322
753.5	0.699590	0.386914	0.270681	0.895957
753.6	0.692370	0.387099	0.268016	0.887135
753.7	0.684800	0.387284	0.265212	0.877854
753.8	0.676870	0.387468	0.262266	0.868102
753.9	0.668580	0.387653	0.259177	0.857878
754.0	0.659910	0.387837	0.255938	0.847156
754.1	0.650880	0.387953	0.252511	0.835813
754.2	0.641510	0.388069	0.248950	0.824027
754.3	0.631810	0.388181	0.245257	0.811803
754.4	0.621830	0.388294	0.241453	0.799211
754.5	0.611580	0.388407	0.237542	0.786265
754.6	0.601100	0.388519	0.233539	0.773016
754.7	0.590410	0.388632	0.229452	0.759489
754.8	0.579540	0.388744	0.225293	0.745722
754.9	0.568530	0.388857	0.221077	0.731766
755.0	0.557390	0.388969	0.216808	0.717635
755.1	0.546150	0.389077	0.212495	0.703359
755.2	0.534820	0.389185	0.208144	0.688959
755.3	0.523410	0.389293	0.203760	0.674448
755.4	0.511930	0.389402	0.199347	0.659839
755.5	0.500370	0.389510	0.194899	0.645119
755.6	0.488740	0.389619	0.190422	0.630300

755.7	0.477050	0.389727	0.185919	0.615395
755.8	0.465300	0.389836	0.181391	0.600405
755.9	0.453510	0.389945	0.176844	0.585355
756.0	0.441670	0.390053	0.172275	0.570232
756.1	0.429790	0.390369	0.167777	0.555342
756.2	0.417900	0.390682	0.163266	0.540412
756.3	0.406030	0.390994	0.158755	0.525482
756.4	0.394190	0.391306	0.154249	0.510566
756.5	0.382410	0.391618	0.149759	0.495703
756.6	0.370720	0.391931	0.145297	0.480933
756.7	0.359150	0.392243	0.140874	0.466295
756.8	0.347710	0.392556	0.136496	0.451802
756.9	0.336440	0.392868	0.132177	0.437506
757.0	0.325370	0.393181	0.127929	0.423447
757.1	0.314500	0.393495	0.123754	0.409628
757.2	0.303860	0.393810	0.119663	0.396086
757.3	0.293430	0.394125	0.115648	0.382796
757.4	0.283240	0.394440	0.111721	0.369798
757.5	0.273260	0.394755	0.107871	0.357053
757.6	0.263520	0.395070	0.104109	0.344601
757.7	0.254010	0.395385	0.100432	0.332430
757.8	0.244730	0.395700	0.096840	0.320540
757.9	0.235700	0.396015	0.093341	0.308959
758.0	0.226900	0.396331	0.089928	0.297661
758.1	0.218340	0.396726	0.086621	0.286717
758.2	0.210030	0.397118	0.083407	0.276077
758.3	0.201970	0.397510	0.080285	0.265745
758.4	0.194170	0.397903	0.077261	0.255734
758.5	0.186620	0.398295	0.074330	0.246033
758.6	0.179340	0.398688	0.071501	0.236668
758.7	0.172320	0.399081	0.068770	0.227628
758.8	0.165580	0.399474	0.066145	0.218941
758.9	0.159110	0.399868	0.063623	0.210593
759.0	0.152930	0.400261	0.061212	0.202612
759.1	0.147020	0.400653	0.058904	0.194973
759.2	0.141380	0.401045	0.056700	0.187677
759.3	0.135980	0.401438	0.054587	0.180685
759.4	0.130810	0.401830	0.052563	0.173986
759.5	0.125840	0.402223	0.050616	0.167539
759.6	0.121060	0.402617	0.048741	0.161332
759.7	0.116440	0.403010	0.046926	0.155327
759.8	0.111960	0.403403	0.045165	0.149497
759.9	0.107610	0.403797	0.043453	0.143828

760.0	0.103360	0.404190	0.041777	0.138283
760.1	0.099207	0.404446	0.040124	0.132810
760.2	0.095141	0.404701	0.038504	0.127447
760.3	0.091174	0.404956	0.036921	0.122210
760.4	0.087313	0.405211	0.035380	0.117109
760.5	0.083564	0.405466	0.033882	0.112151
760.6	0.079934	0.405721	0.032431	0.107347
760.7	0.076431	0.405976	0.031029	0.102707
760.8	0.073061	0.406231	0.029680	0.098240
760.9	0.069832	0.406486	0.028386	0.093957
761.0	0.066750	0.406741	0.027150	0.089867
761.1	0.063822	0.406991	0.025975	0.085977
761.2	0.061050	0.407241	0.024862	0.082294
761.3	0.058436	0.407491	0.023812	0.078818
761.4	0.055983	0.407741	0.022827	0.075556
761.5	0.053694	0.407991	0.021907	0.072511
761.6	0.051569	0.408241	0.021053	0.069684
761.7	0.049611	0.408490	0.020266	0.067079
761.8	0.047822	0.408740	0.019547	0.064700
761.9	0.046205	0.408990	0.018897	0.062551
762.0	0.044761	0.409235	0.018318	0.060632
762.1	0.043487	0.409427	0.017805	0.058934
762.2	0.042356	0.409619	0.017350	0.057428
762.3	0.041336	0.409811	0.016940	0.056071
762.4	0.040394	0.410004	0.016562	0.054819
762.5	0.039499	0.410196	0.016202	0.053630
762.6	0.038617	0.410388	0.015848	0.052457
762.7	0.037716	0.410580	0.015485	0.051257
762.8	0.036763	0.410772	0.015101	0.049985
762.9	0.035728	0.410963	0.014683	0.048601
763.0	0.034576	0.411155	0.014216	0.047055
763.1	0.033287	0.411346	0.013692	0.045322
763.2	0.031883	0.411536	0.013121	0.043431
763.3	0.030398	0.411726	0.012516	0.041427
763.4	0.028867	0.411915	0.011891	0.039359
763.5	0.027321	0.412105	0.011259	0.037268
763.6	0.025796	0.412295	0.010636	0.035204
763.7	0.024326	0.412485	0.010034	0.033213
763.8	0.022943	0.412674	0.009468	0.031339
763.9	0.021681	0.412861	0.008951	0.029629
764.0	0.020575	0.413043	0.008498	0.028130
764.1	0.019649	0.413237	0.008120	0.026876
764.2	0.018892	0.413431	0.007811	0.025853

764.3	0.018282	0.413624	0.007562	0.025030
764.4	0.017801	0.413818	0.007366	0.024383
764.5	0.017426	0.414012	0.007215	0.023880
764.6	0.017139	0.414205	0.007099	0.023498
764.7	0.016918	0.414398	0.007011	0.023206
764.8	0.016742	0.414591	0.006941	0.022975
764.9	0.016592	0.414784	0.006882	0.022780
765.0	0.016447	0.414977	0.006825	0.022591
765.1	0.016289	0.415172	0.006763	0.022385
765.2	0.016110	0.415368	0.006692	0.022149
765.3	0.015905	0.415563	0.006610	0.021878
765.4	0.015668	0.415758	0.006514	0.021562
765.5	0.015394	0.415954	0.006403	0.021195
765.6	0.015079	0.416148	0.006275	0.020771
765.7	0.014715	0.416343	0.006126	0.020279
765.8	0.014299	0.416536	0.005956	0.019715
765.9	0.013825	0.416722	0.005761	0.019070
766.0	0.013287	0.416907	0.005539	0.018336
766.1	0.012684	0.417251	0.005292	0.017518
766.2	0.012029	0.417594	0.005023	0.016627
766.3	0.011339	0.417938	0.004739	0.015686
766.4	0.010630	0.418281	0.004446	0.014717
766.5	0.009919	0.418623	0.004152	0.013745
766.6	0.009224	0.418966	0.003865	0.012792
766.7	0.008561	0.419309	0.003590	0.011882
766.8	0.007946	0.419652	0.003335	0.011037
766.9	0.007397	0.419994	0.003107	0.010283
767.0	0.006930	0.420337	0.002913	0.009642
767.1	0.006558	0.420679	0.002759	0.009132
767.2	0.006277	0.421022	0.002643	0.008748
767.3	0.006079	0.421365	0.002561	0.008478
767.4	0.005954	0.421707	0.002511	0.008311
767.5	0.005896	0.422050	0.002489	0.008237
767.6	0.005896	0.422393	0.002491	0.008244
767.7	0.005946	0.422735	0.002513	0.008320
767.8	0.006037	0.423071	0.002554	0.008453
767.9	0.006160	0.423405	0.002608	0.008634
768.0	0.006309	0.423739	0.002673	0.008849
768.1	0.006473	0.423943	0.002744	0.009084
768.2	0.006639	0.424147	0.002816	0.009321
768.3	0.006793	0.424352	0.002883	0.009542
768.4	0.006920	0.424556	0.002938	0.009724
768.5	0.007005	0.424761	0.002975	0.009848

768.6	0.007033	0.424965	0.002989	0.009894
768.7	0.006991	0.425169	0.002973	0.009839
768.8	0.006864	0.425373	0.002920	0.009665
768.9	0.006637	0.425577	0.002824	0.009349
769.0	0.006295	0.425781	0.002680	0.008872
769.1	0.005832	0.425982	0.002484	0.008224
769.2	0.005276	0.426182	0.002248	0.007442
769.3	0.004659	0.426382	0.001987	0.006576
769.4	0.004019	0.426583	0.001714	0.005675
769.5	0.003388	0.426783	0.001446	0.004787
769.6	0.002803	0.426983	0.001197	0.003961
769.7	0.002297	0.427179	0.000981	0.003248
769.8	0.001906	0.427369	0.000815	0.002697
769.9	0.001665	0.427560	0.000712	0.002356
770.0	0.001608	0.427751	0.000688	0.002277
770.1	0.001757	0.427994	0.000752	0.002489
770.2	0.002082	0.428237	0.000892	0.002951
770.3	0.002539	0.428480	0.001088	0.003601
770.4	0.003086	0.428723	0.001323	0.004379
770.5	0.003678	0.428966	0.001578	0.005222
770.6	0.004273	0.429209	0.001834	0.006070
770.7	0.004826	0.429451	0.002073	0.006861
770.8	0.005296	0.429694	0.002276	0.007532
770.9	0.005638	0.429937	0.002424	0.008023
771.0	0.005809	0.430179	0.002499	0.008271
771.1	0.005778	0.430423	0.002487	0.008233
771.2	0.005566	0.430667	0.002397	0.007935
771.3	0.005205	0.430911	0.002243	0.007424
771.4	0.004728	0.431154	0.002038	0.006747
771.5	0.004167	0.431398	0.001798	0.005950
771.6	0.003555	0.431640	0.001534	0.005079
771.7	0.002924	0.431874	0.001263	0.004180
771.8	0.002308	0.432108	0.000997	0.003301
771.9	0.001739	0.432342	0.000752	0.002488
772.0	0.001249	0.432577	0.000540	0.001788
772.1	0.000864	0.432737	0.000374	0.001237
772.2	0.000577	0.432897	0.000250	0.000827
772.3	0.000374	0.433057	0.000162	0.000537
772.4	0.000242	0.433217	0.000105	0.000348
772.5	0.000167	0.433378	0.000072	0.000239
772.6	0.000134	0.433538	0.000058	0.000192
772.7	0.000130	0.433698	0.000056	0.000187
772.8	0.000141	0.433859	0.000061	0.000202

772.9	0.000152	0.434019	0.000066	0.000219
773.0	0.000151	0.434180	0.000066	0.000217
773.1	0.000127	0.434345	0.000055	0.000182
773.2	0.000086	0.434511	0.000037	0.000124
773.3	0.000040	0.434677	0.000017	0.000058
773.4	0.000000	0.434842	0.000000	0.000000
8 639				
Channel 8				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
867.3	0.002912	0.482673	0.001406	0.003174
867.4	0.004500	0.482781	0.002173	0.004907
867.5	0.005666	0.482890	0.002736	0.006179
867.6	0.005722	0.482998	0.002764	0.006241
867.7	0.005052	0.483108	0.002441	0.005512
867.8	0.004844	0.483217	0.002341	0.005287
867.9	0.004950	0.483327	0.002393	0.005403
868.0	0.005434	0.483437	0.002627	0.005932
868.1	0.006065	0.483559	0.002933	0.006624
868.2	0.005946	0.483682	0.002876	0.006495
868.3	0.005356	0.483804	0.002591	0.005852
868.4	0.004934	0.483928	0.002388	0.005392
868.5	0.004630	0.484052	0.002241	0.005062
868.6	0.004534	0.484177	0.002195	0.004957
868.7	0.004535	0.484303	0.002196	0.004960
868.8	0.004167	0.484429	0.002019	0.004559
868.9	0.003618	0.484557	0.001753	0.003959
869.0	0.003348	0.484684	0.001623	0.003665
869.1	0.003354	0.484810	0.001626	0.003672
869.2	0.003867	0.484937	0.001875	0.004235
869.3	0.004765	0.485064	0.002311	0.005220
869.4	0.005871	0.485193	0.002849	0.006434
869.5	0.006990	0.485323	0.003392	0.007661
869.6	0.007313	0.485455	0.003550	0.008018
869.7	0.007070	0.485587	0.003433	0.007753
869.8	0.006882	0.485721	0.003343	0.007549
869.9	0.006555	0.485855	0.003185	0.007192
870.0	0.005294	0.485988	0.002573	0.005810
870.1	0.003656	0.485977	0.001777	0.004013
870.2	0.003516	0.485966	0.001709	0.003859
870.3	0.004406	0.485956	0.002141	0.004836

870.4	0.005325	0.485947	0.002587	0.005843
870.5	0.006414	0.485939	0.003117	0.007039
870.6	0.008132	0.485932	0.003952	0.008924
870.7	0.010061	0.485925	0.004889	0.011041
870.8	0.010793	0.485919	0.005245	0.011844
870.9	0.010642	0.485914	0.005171	0.011678
871.0	0.010228	0.485909	0.004970	0.011224
871.1	0.009601	0.485904	0.004665	0.010536
871.2	0.009212	0.485899	0.004476	0.010108
871.3	0.009008	0.485895	0.004377	0.009885
871.4	0.008948	0.485891	0.004348	0.009819
871.5	0.009090	0.485888	0.004417	0.009975
871.6	0.009671	0.485886	0.004699	0.010612
871.7	0.010645	0.485884	0.005172	0.011681
871.8	0.012176	0.485883	0.005916	0.013361
871.9	0.014002	0.485881	0.006803	0.015364
872.0	0.015384	0.485876	0.007475	0.016881
872.1	0.016228	0.485982	0.007887	0.017811
872.2	0.015667	0.486088	0.007616	0.017199
872.3	0.014163	0.486195	0.006886	0.015551
872.4	0.012918	0.486303	0.006282	0.014187
872.5	0.012146	0.486411	0.005908	0.013342
872.6	0.013557	0.486520	0.006596	0.014896
872.7	0.016429	0.486629	0.007995	0.018055
872.8	0.019025	0.486739	0.009260	0.020913
872.9	0.021116	0.486850	0.010280	0.023217
873.0	0.020734	0.486961	0.010097	0.022802
873.1	0.018725	0.487071	0.009120	0.020597
873.2	0.017402	0.487181	0.008478	0.019146
873.3	0.016733	0.487292	0.008154	0.018414
873.4	0.017893	0.487404	0.008721	0.019695
873.5	0.020327	0.487516	0.009910	0.022380
873.6	0.022637	0.487630	0.011038	0.024929
873.7	0.024672	0.487743	0.012034	0.027176
873.8	0.025030	0.487858	0.012211	0.027577
873.9	0.024323	0.487970	0.011869	0.026804
874.0	0.024392	0.488081	0.011905	0.026886
874.1	0.025077	0.488143	0.012241	0.027645
874.2	0.026794	0.488205	0.013081	0.029541
874.3	0.029250	0.488268	0.014282	0.032253
874.4	0.031823	0.488333	0.015540	0.035095
874.5	0.034230	0.488397	0.016718	0.037755
874.6	0.034925	0.488463	0.017060	0.038527

874.7	0.034500	0.488529	0.016854	0.038063
874.8	0.034723	0.488596	0.016966	0.038314
874.9	0.035304	0.488664	0.017252	0.038961
875.0	0.035756	0.488732	0.017475	0.039465
875.1	0.036427	0.488804	0.017806	0.040211
875.2	0.038990	0.488876	0.019061	0.043047
875.3	0.042626	0.488948	0.020842	0.047068
875.4	0.044795	0.489022	0.021906	0.049471
875.5	0.046031	0.489096	0.022514	0.050844
875.6	0.047332	0.489171	0.023153	0.052289
875.7	0.048709	0.489247	0.023831	0.053818
875.8	0.050887	0.489321	0.024900	0.056233
875.9	0.053600	0.489394	0.026232	0.059240
876.0	0.056289	0.489467	0.027552	0.062221
876.1	0.058842	0.489661	0.028813	0.065069
876.2	0.060472	0.489855	0.029623	0.066898
876.3	0.061606	0.490049	0.030190	0.068180
876.4	0.063854	0.490244	0.031304	0.070696
876.5	0.066882	0.490440	0.032802	0.074078
876.6	0.070199	0.490636	0.034442	0.077783
876.7	0.073869	0.490832	0.036257	0.081882
876.8	0.078309	0.491028	0.038452	0.086838
876.9	0.083066	0.491224	0.040804	0.092150
877.0	0.086506	0.491421	0.042511	0.096005
877.1	0.089033	0.491618	0.043770	0.098849
877.2	0.091505	0.491816	0.045004	0.101634
877.3	0.094000	0.492013	0.046249	0.104447
877.4	0.097474	0.492210	0.047978	0.108351
877.5	0.101670	0.492408	0.050063	0.113060
877.6	0.106190	0.492605	0.052310	0.118134
877.7	0.111000	0.492801	0.054701	0.123534
877.8	0.115910	0.492994	0.057143	0.129049
877.9	0.120820	0.493186	0.059587	0.134568
878.0	0.124980	0.493379	0.061663	0.139256
878.1	0.128820	0.493503	0.063573	0.143571
878.2	0.134360	0.493627	0.066324	0.149783
878.3	0.140900	0.493752	0.069570	0.157113
878.4	0.146490	0.493876	0.072348	0.163387
878.5	0.151680	0.494002	0.074930	0.169219
878.6	0.158120	0.494127	0.078131	0.176449
878.7	0.165380	0.494253	0.081740	0.184597
878.8	0.172730	0.494379	0.085394	0.192850
878.9	0.180190	0.494505	0.089105	0.201230

879.0	0.187590	0.494631	0.092788	0.209548
879.1	0.195100	0.494754	0.096527	0.217991
879.2	0.203330	0.494878	0.100624	0.227244
879.3	0.212080	0.495002	0.104980	0.237082
879.4	0.220910	0.495126	0.109378	0.247015
879.5	0.229740	0.495250	0.113779	0.256953
879.6	0.237830	0.495374	0.117815	0.266068
879.7	0.245480	0.495494	0.121634	0.274693
879.8	0.253260	0.495615	0.125519	0.283468
879.9	0.261340	0.495735	0.129556	0.292582
880.0	0.271340	0.495856	0.134546	0.303852
880.1	0.282700	0.495918	0.140196	0.316613
880.2	0.293950	0.495981	0.145794	0.329254
880.3	0.305110	0.496043	0.151348	0.341797
880.4	0.314640	0.496105	0.156095	0.352517
880.5	0.323150	0.496168	0.160337	0.362097
880.6	0.332260	0.496230	0.164878	0.372352
880.7	0.341990	0.496293	0.169727	0.383304
880.8	0.353350	0.496355	0.175387	0.396086
880.9	0.366000	0.496417	0.181688	0.410317
881.0	0.378940	0.496479	0.188136	0.424877
881.1	0.392120	0.496542	0.194704	0.439711
881.2	0.404190	0.496606	0.200723	0.453304
881.3	0.415660	0.496669	0.206446	0.466228
881.4	0.427470	0.496733	0.212338	0.479536
881.5	0.439570	0.496796	0.218377	0.493172
881.6	0.451940	0.496857	0.224550	0.507113
881.7	0.464520	0.496917	0.230828	0.521292
881.8	0.476890	0.496978	0.237004	0.535239
881.9	0.489130	0.497038	0.243116	0.549043
882.0	0.500580	0.497099	0.248838	0.561964
882.1	0.511620	0.497047	0.254299	0.574298
882.2	0.522730	0.496996	0.259795	0.586708
882.3	0.534020	0.496944	0.265378	0.599318
882.4	0.545450	0.496893	0.271030	0.612082
882.5	0.557110	0.496842	0.276796	0.625103
882.6	0.569340	0.496791	0.282843	0.638760
882.7	0.582090	0.496740	0.289147	0.652997
882.8	0.594370	0.496688	0.295217	0.666704
882.9	0.606380	0.496637	0.301151	0.680106
883.0	0.617500	0.496586	0.306642	0.692507
883.1	0.628030	0.496537	0.311840	0.704246
883.2	0.638360	0.496488	0.316938	0.715759

883.3	0.648480	0.496440	0.321931	0.727035
883.4	0.657690	0.496391	0.326471	0.737288
883.5	0.666480	0.496340	0.330801	0.747066
883.6	0.675990	0.496288	0.335486	0.757646
883.7	0.686150	0.496236	0.340493	0.768953
883.8	0.696560	0.496185	0.345622	0.780538
883.9	0.707190	0.496132	0.350860	0.792366
884.0	0.716750	0.496081	0.355566	0.802994
884.1	0.725590	0.496202	0.360039	0.813096
884.2	0.733230	0.496323	0.363919	0.821858
884.3	0.740110	0.496443	0.367423	0.829771
884.4	0.747670	0.496564	0.371266	0.838450
884.5	0.755780	0.496685	0.375384	0.847751
884.6	0.764050	0.496805	0.379584	0.857235
884.7	0.772370	0.496925	0.383810	0.866779
884.8	0.779330	0.497045	0.387362	0.874800
884.9	0.785230	0.497164	0.390388	0.881635
885.0	0.789580	0.497283	0.392645	0.886732
885.1	0.792940	0.497403	0.394410	0.890719
885.2	0.797350	0.497522	0.396699	0.895888
885.3	0.802420	0.497641	0.399317	0.901799
885.4	0.806980	0.497759	0.401681	0.907139
885.5	0.811430	0.497875	0.403991	0.912355
885.6	0.816760	0.497991	0.406739	0.918561
885.7	0.822640	0.498106	0.409762	0.925389
885.8	0.827320	0.498221	0.412188	0.930868
885.9	0.831320	0.498336	0.414277	0.935584
886.0	0.835600	0.498450	0.416505	0.940616
886.1	0.839960	0.498509	0.418727	0.945635
886.2	0.843310	0.498567	0.420446	0.949518
886.3	0.845970	0.498625	0.421822	0.952624
886.4	0.848600	0.498683	0.423183	0.955697
886.5	0.851210	0.498741	0.424534	0.958748
886.6	0.853820	0.498798	0.425884	0.961797
886.7	0.856490	0.498855	0.427265	0.964915
886.8	0.858980	0.498912	0.428555	0.967830
886.9	0.861350	0.498968	0.429786	0.970610
887.0	0.863340	0.499024	0.430828	0.972962
887.1	0.865140	0.499079	0.431773	0.975097
887.2	0.867200	0.499134	0.432849	0.977526
887.3	0.869420	0.499188	0.434004	0.980135
887.4	0.871240	0.499240	0.434958	0.982290
887.5	0.872710	0.499293	0.435738	0.984051

887.6	0.873400	0.499345	0.436128	0.984931
887.7	0.873450	0.499397	0.436198	0.985090
887.8	0.873130	0.499448	0.436083	0.984831
887.9	0.872600	0.499499	0.435863	0.984334
888.0	0.872900	0.499551	0.436058	0.984773
888.1	0.873860	0.499601	0.436581	0.985955
888.2	0.875350	0.499651	0.437369	0.987736
888.3	0.877280	0.499701	0.438378	0.990013
888.4	0.879050	0.499751	0.439306	0.992109
888.5	0.880630	0.499801	0.440140	0.993992
888.6	0.881210	0.499851	0.440473	0.994745
888.7	0.881020	0.499900	0.440422	0.994630
888.8	0.880410	0.499950	0.440161	0.994040
888.9	0.879510	0.499999	0.439754	0.993122
889.0	0.879180	0.500049	0.439633	0.992848
889.1	0.879350	0.500099	0.439762	0.993139
889.2	0.880440	0.500149	0.440351	0.994470
889.3	0.882230	0.500198	0.441290	0.996590
889.4	0.883650	0.500247	0.442043	0.998291
889.5	0.884770	0.500296	0.442647	0.999654
889.6	0.884990	0.500345	0.442800	1.000000
889.7	0.884540	0.500394	0.442618	0.999589
889.8	0.884280	0.500442	0.442531	0.999392
889.9	0.883980	0.500491	0.442424	0.999150
890.0	0.882940	0.500540	0.441946	0.998072
890.1	0.881520	0.500523	0.441221	0.996433
890.2	0.881490	0.500506	0.441191	0.996366
890.3	0.882390	0.500488	0.441626	0.997348
890.4	0.882900	0.500471	0.441866	0.997890
890.5	0.883240	0.500453	0.442020	0.998239
890.6	0.883770	0.500435	0.442270	0.998802
890.7	0.884310	0.500417	0.442524	0.999377
890.8	0.883910	0.500400	0.442308	0.998889
890.9	0.882950	0.500382	0.441812	0.997769
891.0	0.882950	0.500363	0.441796	0.997732
891.1	0.883530	0.500349	0.442073	0.998358
891.2	0.883600	0.500334	0.442095	0.998407
891.3	0.883370	0.500318	0.441966	0.998117
891.4	0.883170	0.500303	0.441853	0.997861
891.5	0.882980	0.500288	0.441745	0.997616
891.6	0.882870	0.500273	0.441676	0.997461
891.7	0.882780	0.500258	0.441617	0.997329
891.8	0.882280	0.500242	0.441353	0.996733

891.9	0.881530	0.500226	0.440964	0.995854
892.0	0.881190	0.500211	0.440781	0.995439
892.1	0.881030	0.500321	0.440798	0.995479
892.2	0.880420	0.500432	0.440591	0.995010
892.3	0.879390	0.500543	0.440173	0.994067
892.4	0.877960	0.500654	0.439554	0.992670
892.5	0.876150	0.500765	0.438745	0.990843
892.6	0.874310	0.500876	0.437921	0.988981
892.7	0.872580	0.500987	0.437151	0.987243
892.8	0.872530	0.501098	0.437223	0.987405
892.9	0.873720	0.501209	0.437917	0.988971
893.0	0.874890	0.501320	0.438600	0.990515
893.1	0.876090	0.501431	0.439298	0.992092
893.2	0.876540	0.501540	0.439620	0.992819
893.3	0.876360	0.501651	0.439627	0.992833
893.4	0.875340	0.501761	0.439211	0.991895
893.5	0.873710	0.501871	0.438489	0.990265
893.6	0.872820	0.501981	0.438139	0.989474
893.7	0.872290	0.502091	0.437969	0.989090
893.8	0.871030	0.502202	0.437433	0.987878
893.9	0.869290	0.502312	0.436655	0.986122
894.0	0.868360	0.502423	0.436284	0.985284
894.1	0.867960	0.502399	0.436062	0.984784
894.2	0.867730	0.502376	0.435926	0.984477
894.3	0.867640	0.502352	0.435861	0.984328
894.4	0.867410	0.502328	0.435725	0.984021
894.5	0.866990	0.502305	0.435493	0.983498
894.6	0.865920	0.502281	0.434935	0.982239
894.7	0.864480	0.502258	0.434192	0.980560
894.8	0.864380	0.502235	0.434122	0.980401
894.9	0.865210	0.502212	0.434518	0.981297
895.0	0.865880	0.502188	0.434835	0.982012
895.1	0.866310	0.502168	0.435033	0.982459
895.2	0.864980	0.502147	0.434347	0.980909
895.3	0.862380	0.502125	0.433023	0.977920
895.4	0.860790	0.502104	0.432206	0.976075
895.5	0.859760	0.502083	0.431671	0.974866
895.6	0.859080	0.502062	0.431312	0.974055
895.7	0.858600	0.502042	0.431053	0.973471
895.8	0.857660	0.502021	0.430563	0.972365
895.9	0.856400	0.502000	0.429913	0.970896
896.0	0.855420	0.501980	0.429403	0.969745
896.1	0.854610	0.501963	0.428982	0.968794

896.2	0.854110	0.501946	0.428717	0.968195
896.3	0.853830	0.501928	0.428562	0.967844
896.4	0.853300	0.501911	0.428281	0.967210
896.5	0.852750	0.501894	0.427990	0.966553
896.6	0.853280	0.501877	0.428241	0.967121
896.7	0.854630	0.501860	0.428904	0.968619
896.8	0.855920	0.501843	0.429537	0.970047
896.9	0.857060	0.501826	0.430095	0.971306
897.0	0.856270	0.501808	0.429683	0.970378
897.1	0.854120	0.501791	0.428590	0.967908
897.2	0.852980	0.501774	0.428003	0.966582
897.3	0.852490	0.501756	0.427742	0.965994
897.4	0.852750	0.501739	0.427858	0.966255
897.5	0.853520	0.501722	0.428230	0.967094
897.6	0.853570	0.501704	0.428240	0.967118
897.7	0.853000	0.501687	0.427939	0.966439
897.8	0.851400	0.501670	0.427122	0.964593
897.9	0.849050	0.501652	0.425928	0.961897
898.0	0.848080	0.501635	0.425427	0.960765
898.1	0.847920	0.501636	0.425347	0.960585
898.2	0.847250	0.501636	0.425012	0.959827
898.3	0.846230	0.501637	0.424500	0.958673
898.4	0.845060	0.501638	0.423914	0.957349
898.5	0.843880	0.501639	0.423323	0.956014
898.6	0.844160	0.501640	0.423465	0.956334
898.7	0.845490	0.501642	0.424133	0.957844
898.8	0.846420	0.501644	0.424601	0.958901
898.9	0.847080	0.501646	0.424934	0.959652
899.0	0.846700	0.501649	0.424746	0.959227
899.1	0.845550	0.501653	0.424173	0.957932
899.2	0.844700	0.501657	0.423750	0.956977
899.3	0.844030	0.501661	0.423417	0.956227
899.4	0.844010	0.501666	0.423411	0.956213
899.5	0.844350	0.501671	0.423586	0.956607
899.6	0.843650	0.501675	0.423238	0.955822
899.7	0.842300	0.501679	0.422564	0.954301
899.8	0.842120	0.501684	0.422478	0.954105
899.9	0.842760	0.501688	0.422803	0.954839
900.0	0.843500	0.501693	0.423178	0.955686
900.1	0.844340	0.501711	0.423615	0.956672
900.2	0.844860	0.501729	0.423890	0.957295
900.3	0.845050	0.501746	0.424001	0.957545
900.4	0.845220	0.501764	0.424101	0.957771

900.5	0.845420	0.501782	0.424216	0.958031
900.6	0.846400	0.501798	0.424722	0.959174
900.7	0.847910	0.501815	0.425494	0.960917
900.8	0.848320	0.501832	0.425714	0.961413
900.9	0.847660	0.501848	0.425397	0.960697
901.0	0.846510	0.501865	0.424834	0.959426
901.1	0.845080	0.501880	0.424128	0.957833
901.2	0.845200	0.501894	0.424201	0.957996
901.3	0.846750	0.501908	0.424990	0.959779
901.4	0.848050	0.501921	0.425654	0.961279
901.5	0.849080	0.501935	0.426183	0.962472
901.6	0.849270	0.501947	0.426289	0.962712
901.7	0.848750	0.501960	0.426039	0.962147
901.8	0.849330	0.501972	0.426340	0.962828
901.9	0.850780	0.501984	0.427078	0.964494
902.0	0.851800	0.501995	0.427600	0.965672
902.1	0.852260	0.502010	0.427843	0.966222
902.2	0.851450	0.502025	0.427449	0.965332
902.3	0.849430	0.502039	0.426447	0.963070
902.4	0.847600	0.502054	0.425541	0.961022
902.5	0.846030	0.502068	0.424764	0.959269
902.6	0.845290	0.502082	0.424405	0.958457
902.7	0.845450	0.502096	0.424497	0.958665
902.8	0.845650	0.502110	0.424609	0.958918
902.9	0.846050	0.502123	0.424821	0.959398
903.0	0.846700	0.502137	0.425160	0.960161
903.1	0.847580	0.502150	0.425612	0.961184
903.2	0.848550	0.502163	0.426111	0.962309
903.3	0.849480	0.502176	0.426589	0.963389
903.4	0.849900	0.502189	0.426810	0.963890
903.5	0.849780	0.502202	0.426761	0.963778
903.6	0.849630	0.502214	0.426696	0.963631
903.7	0.849460	0.502226	0.426621	0.963462
903.8	0.849760	0.502238	0.426782	0.963825
903.9	0.850470	0.502250	0.427148	0.964653
904.0	0.851040	0.502262	0.427445	0.965322
904.1	0.851520	0.502268	0.427691	0.965879
904.2	0.852150	0.502274	0.428013	0.966605
904.3	0.852740	0.502280	0.428314	0.967286
904.4	0.852390	0.502286	0.428144	0.966900
904.5	0.851140	0.502292	0.427521	0.965493
904.6	0.849900	0.502297	0.426902	0.964097
904.7	0.848680	0.502302	0.426294	0.962723

904.8	0.847810	0.502308	0.425862	0.961747
904.9	0.847310	0.502313	0.425615	0.961190
905.0	0.846680	0.502319	0.425303	0.960486
905.1	0.846050	0.502323	0.424990	0.959778
905.2	0.845740	0.502326	0.424837	0.959434
905.3	0.845760	0.502329	0.424850	0.959463
905.4	0.845860	0.502332	0.424903	0.959582
905.5	0.846140	0.502335	0.425046	0.959905
905.6	0.847020	0.502338	0.425490	0.960908
905.7	0.848290	0.502340	0.426130	0.962353
905.8	0.848270	0.502342	0.426122	0.962334
905.9	0.847080	0.502344	0.425525	0.960987
906.0	0.846140	0.502345	0.425054	0.959924
906.1	0.845330	0.502190	0.424517	0.958709
906.2	0.844440	0.502036	0.423939	0.957405
906.3	0.843590	0.501881	0.423381	0.956146
906.4	0.843140	0.501725	0.423024	0.955339
906.5	0.843060	0.501569	0.422853	0.954952
906.6	0.842620	0.501413	0.422500	0.954156
906.7	0.841900	0.501257	0.422008	0.953045
906.8	0.841070	0.501101	0.421461	0.951809
906.9	0.840160	0.500945	0.420874	0.950483
907.0	0.839320	0.500789	0.420322	0.949237
907.1	0.838600	0.500632	0.419830	0.948126
907.2	0.838020	0.500476	0.419409	0.947174
907.3	0.837710	0.500319	0.419122	0.946526
907.4	0.838180	0.500162	0.419225	0.946760
907.5	0.839380	0.500004	0.419694	0.947818
907.6	0.840310	0.499847	0.420026	0.948568
907.7	0.840870	0.499689	0.420173	0.948901
907.8	0.840100	0.499531	0.419656	0.947732
907.9	0.838170	0.499372	0.418559	0.945255
908.0	0.837480	0.499214	0.418082	0.944177
908.1	0.837820	0.499095	0.418152	0.944335
908.2	0.837680	0.498975	0.417982	0.943951
908.3	0.837160	0.498856	0.417622	0.943139
908.4	0.836310	0.498736	0.417098	0.941956
908.5	0.835230	0.498617	0.416460	0.940514
908.6	0.835070	0.498507	0.416288	0.940127
908.7	0.835770	0.498402	0.416549	0.940717
908.8	0.836540	0.498297	0.416845	0.941385
908.9	0.837320	0.498192	0.417146	0.942063
909.0	0.837270	0.498086	0.417033	0.941808

909.1	0.836350	0.497977	0.416483	0.940567
909.2	0.834990	0.497868	0.415715	0.938832
909.3	0.833320	0.497759	0.414792	0.936749
909.4	0.833130	0.497650	0.414607	0.936329
909.5	0.834370	0.497540	0.415133	0.937517
909.6	0.835750	0.497430	0.415727	0.938860
909.7	0.837260	0.497320	0.416386	0.940348
909.8	0.837840	0.497210	0.416583	0.940791
909.9	0.837550	0.497100	0.416346	0.940258
910.0	0.837650	0.496990	0.416304	0.940162
910.1	0.838060	0.496996	0.416512	0.940633
910.2	0.838980	0.497002	0.416974	0.941676
910.3	0.840260	0.497008	0.417616	0.943124
910.4	0.840580	0.497013	0.417780	0.943495
910.5	0.839960	0.497024	0.417480	0.942819
910.6	0.839250	0.497041	0.417141	0.942054
910.7	0.838410	0.497057	0.416738	0.941142
910.8	0.838040	0.497074	0.416568	0.940758
910.9	0.838190	0.497090	0.416656	0.940958
911.0	0.838870	0.497107	0.417008	0.941752
911.1	0.840010	0.497122	0.417587	0.943060
911.2	0.840400	0.497137	0.417794	0.943526
911.3	0.840080	0.497151	0.417647	0.943195
911.4	0.839680	0.497166	0.417460	0.942773
911.5	0.839090	0.497180	0.417179	0.942138
911.6	0.838120	0.497195	0.416709	0.941076
911.7	0.836850	0.497209	0.416089	0.939677
911.8	0.836200	0.497223	0.415778	0.938974
911.9	0.836060	0.497237	0.415720	0.938843
912.0	0.835330	0.497251	0.415368	0.938050
912.1	0.834060	0.497200	0.414694	0.936527
912.2	0.832660	0.497148	0.413955	0.934858
912.3	0.831020	0.497097	0.413097	0.932921
912.4	0.828910	0.497044	0.412005	0.930453
912.5	0.826400	0.496981	0.410705	0.927519
912.6	0.824240	0.496918	0.409580	0.924976
912.7	0.822300	0.496854	0.408563	0.922681
912.8	0.819360	0.496791	0.407050	0.919264
912.9	0.815510	0.496726	0.405085	0.914827
913.0	0.811560	0.496662	0.403071	0.910278
913.1	0.807420	0.496604	0.400968	0.905528
913.2	0.802660	0.496545	0.398557	0.900083
913.3	0.797370	0.496486	0.395883	0.894044

913.4	0.791890	0.496426	0.393115	0.887793
913.5	0.786220	0.496366	0.390253	0.881329
913.6	0.780120	0.496305	0.387178	0.874385
913.7	0.773630	0.496245	0.383910	0.867005
913.8	0.766510	0.496184	0.380330	0.858920
913.9	0.758840	0.496123	0.376478	0.850221
914.0	0.750990	0.496062	0.372537	0.841322
914.1	0.742920	0.496014	0.368499	0.832201
914.2	0.733730	0.495966	0.363905	0.821828
914.3	0.723440	0.495919	0.358767	0.810224
914.4	0.712130	0.495871	0.353124	0.797480
914.5	0.699950	0.495823	0.347051	0.783765
914.6	0.687700	0.495775	0.340944	0.769974
914.7	0.675660	0.495727	0.334943	0.756420
914.8	0.664500	0.495678	0.329378	0.743853
914.9	0.654220	0.495630	0.324251	0.732274
915.0	0.641870	0.495581	0.318099	0.718380
915.1	0.627770	0.495534	0.311081	0.702532
915.2	0.613340	0.495486	0.303902	0.686318
915.3	0.598680	0.495439	0.296609	0.669849
915.4	0.584100	0.495391	0.289358	0.653473
915.5	0.569980	0.495343	0.282336	0.637615
915.6	0.556710	0.495295	0.275736	0.622710
915.7	0.544480	0.495247	0.269652	0.608970
915.8	0.531040	0.495198	0.262970	0.593880
915.9	0.516780	0.495149	0.255883	0.577876
916.0	0.502620	0.495101	0.248847	0.561986
916.1	0.488670	0.495028	0.241905	0.546308
916.2	0.474020	0.494955	0.234619	0.529852
916.3	0.458970	0.494883	0.227136	0.512955
916.4	0.444360	0.494810	0.219874	0.496553
916.5	0.430350	0.494738	0.212910	0.480827
916.6	0.415960	0.494664	0.205761	0.464680
916.7	0.401560	0.494591	0.198608	0.448527
916.8	0.387840	0.494517	0.191793	0.433137
916.9	0.375010	0.494442	0.185421	0.418746
917.0	0.361880	0.494367	0.178901	0.404023
917.1	0.348740	0.494288	0.172378	0.389291
917.2	0.335240	0.494209	0.165679	0.374161
917.3	0.321710	0.494130	0.158967	0.359003
917.4	0.309200	0.494050	0.152760	0.344987
917.5	0.297790	0.493970	0.147099	0.332203
917.6	0.285660	0.493889	0.141084	0.318619

917.7	0.273120	0.493808	0.134869	0.304582
917.8	0.260980	0.493726	0.128853	0.290995
917.9	0.249360	0.493644	0.123095	0.277992
918.0	0.237410	0.493561	0.117176	0.264626
918.1	0.225520	0.493377	0.111266	0.251279
918.2	0.214910	0.493192	0.105992	0.239368
918.3	0.205720	0.493008	0.101422	0.229046
918.4	0.196120	0.492822	0.096652	0.218275
918.5	0.186550	0.492637	0.091901	0.207546
918.6	0.178070	0.492450	0.087691	0.198037
918.7	0.170800	0.492264	0.084079	0.189879
918.8	0.163480	0.492077	0.080445	0.181673
918.9	0.156310	0.491889	0.076887	0.173638
919.0	0.149130	0.491701	0.073327	0.165599
919.1	0.142010	0.491513	0.069800	0.157633
919.2	0.134680	0.491325	0.066172	0.149439
919.3	0.127290	0.491136	0.062517	0.141185
919.4	0.120500	0.490947	0.059159	0.133602
919.5	0.114480	0.490757	0.056182	0.126879
919.6	0.109160	0.490567	0.053550	0.120936
919.7	0.104740	0.490377	0.051362	0.115994
919.8	0.100680	0.490187	0.049352	0.111454
919.9	0.097125	0.489997	0.047591	0.107477
920.0	0.093581	0.489806	0.045837	0.103515
920.1	0.090071	0.489675	0.044106	0.099606
920.2	0.086278	0.489544	0.042237	0.095386
920.3	0.082124	0.489413	0.040193	0.090769
920.4	0.077296	0.489282	0.037820	0.085410
920.5	0.071844	0.489150	0.035143	0.079364
920.6	0.067147	0.489018	0.032836	0.074156
920.7	0.063203	0.488886	0.030899	0.069781
920.8	0.059588	0.488754	0.029124	0.065772
920.9	0.056502	0.488621	0.027608	0.062349
921.0	0.054094	0.488488	0.026424	0.059675
921.1	0.052396	0.488357	0.025588	0.057787
921.2	0.050124	0.488226	0.024472	0.055266
921.3	0.047402	0.488095	0.023137	0.052251
921.4	0.045021	0.487964	0.021969	0.049613
921.5	0.042977	0.487833	0.020966	0.047348
921.6	0.041193	0.487701	0.020090	0.045370
921.7	0.039788	0.487570	0.019399	0.043811
921.8	0.039007	0.487439	0.019014	0.042939
921.9	0.038836	0.487308	0.018925	0.042740

922.0	0.037966	0.487177	0.018496	0.041771
922.1	0.036461	0.487043	0.017758	0.040104
922.2	0.034977	0.486909	0.017031	0.038461
922.3	0.033475	0.486775	0.016295	0.036799
922.4	0.032392	0.486642	0.015763	0.035599
922.5	0.031677	0.486508	0.015411	0.034804
922.6	0.030545	0.486374	0.014856	0.033551
922.7	0.029017	0.486240	0.014109	0.031864
922.8	0.027402	0.486105	0.013320	0.030082
922.9	0.025671	0.485971	0.012475	0.028174
923.0	0.024284	0.485836	0.011798	0.026644
923.1	0.023199	0.485704	0.011268	0.025447
923.2	0.022000	0.485572	0.010683	0.024125
923.3	0.020693	0.485439	0.010045	0.022686
923.4	0.019130	0.485306	0.009284	0.020966
923.5	0.017424	0.485174	0.008454	0.019091
923.6	0.016874	0.485041	0.008185	0.018484
923.7	0.017493	0.484908	0.008482	0.019156
923.8	0.018083	0.484775	0.008766	0.019797
923.9	0.018737	0.484642	0.009081	0.020508
924.0	0.018867	0.484509	0.009141	0.020644
924.1	0.018365	0.484419	0.008896	0.020091
924.2	0.016898	0.484329	0.008184	0.018483
924.3	0.014450	0.484239	0.006997	0.015802
924.4	0.013077	0.484149	0.006331	0.014298
924.5	0.012669	0.484059	0.006133	0.013849
924.6	0.012139	0.483969	0.005875	0.013268
924.7	0.011693	0.483879	0.005658	0.012778
924.8	0.012106	0.483789	0.005857	0.013227
924.9	0.013245	0.483699	0.006407	0.014468
925.0	0.012776	0.483609	0.006179	0.013953
925.1	0.010813	0.483520	0.005228	0.011807
925.2	0.009544	0.483430	0.004614	0.010420
925.3	0.008788	0.483340	0.004247	0.009592
925.4	0.007980	0.483250	0.003856	0.008709
925.5	0.007287	0.483160	0.003521	0.007951
925.6	0.007638	0.483071	0.003690	0.008333
925.7	0.008996	0.482982	0.004345	0.009813
925.8	0.009442	0.482893	0.004560	0.010297
925.9	0.009073	0.482804	0.004380	0.009892
926.0	0.008669	0.482716	0.004185	0.009451
926.1	0.008046	0.482525	0.003882	0.008768
926.2	0.006803	0.482334	0.003282	0.007411

926.3	0.004926	0.482143	0.002375	0.005364
926.4	0.003564	0.481953	0.001718	0.003879
926.5	0.002771	0.481763	0.001335	0.003014
926.6	0.003266	0.481573	0.001573	0.003551
926.7	0.005094	0.481383	0.002452	0.005538
926.8	0.006064	0.481194	0.002918	0.006590
926.9	0.006292	0.481004	0.003026	0.006835
927.0	0.006034	0.480815	0.002901	0.006553
927.1	0.005247	0.480623	0.002522	0.005695
927.2	0.005132	0.480431	0.002465	0.005568
927.3	0.005641	0.480240	0.002709	0.006118
927.4	0.006176	0.480048	0.002965	0.006695
927.5	0.006773	0.479857	0.003250	0.007339
927.6	0.006877	0.479665	0.003299	0.007450
927.7	0.006435	0.479474	0.003085	0.006968
927.8	0.005628	0.479283	0.002697	0.006092
927.9	0.004371	0.479091	0.002094	0.004729
928.0	0.003348	0.478900	0.001603	0.003621
928.1	0.002542	0.478867	0.001217	0.002749
928.2	0.002271	0.478834	0.001087	0.002456
928.3	0.002562	0.478801	0.001226	0.002770
928.4	0.002649	0.478767	0.001268	0.002864
928.5	0.002632	0.478734	0.001260	0.002845
928.6	0.002873	0.478700	0.001375	0.003106
928.7	0.003348	0.478666	0.001603	0.003619
928.8	0.003538	0.478633	0.001693	0.003824
928.9	0.003457	0.478599	0.001655	0.003737
929.0	0.003345	0.478565	0.001601	0.003615
929.1	0.003104	0.478535	0.001485	0.003354
929.2	0.002304	0.478504	0.001103	0.002490
929.3	0.000988	0.478473	0.000473	0.001068
929.4	0.000674	0.478441	0.000322	0.000728
929.5	0.001342	0.478410	0.000642	0.001450
929.6	0.002064	0.478379	0.000988	0.002230
929.7	0.002967	0.478347	0.001419	0.003205
929.8	0.003558	0.478315	0.001702	0.003843
929.9	0.003852	0.478284	0.001842	0.004161
930.0	0.004005	0.478252	0.001916	0.004326
930.1	0.003944	0.478069	0.001886	0.004258
930.2	0.003592	0.477885	0.001717	0.003877
930.3	0.002944	0.477701	0.001406	0.003176
930.4	0.002850	0.477518	0.001361	0.003074
930.5	0.003232	0.477334	0.001543	0.003484

930.6	0.003050	0.477150	0.001455	0.003287
930.7	0.002298	0.476967	0.001096	0.002476
930.8	0.001131	0.476783	0.000539	0.001218
930.9	0.000000	0.476599	0.000000	0.000000
CHANNEL 9				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
999.4	0.003000	0.436028	0.001308	0.003873
999.5	0.002000	0.436030	0.000872	0.002582
999.6	0.002000	0.436032	0.000872	0.002582
999.7	0.002000	0.436034	0.000872	0.002582
999.8	0.002000	0.436036	0.000872	0.002582
999.9	0.002000	0.436038	0.000872	0.002582
1000.0	0.002000	0.436039	0.000872	0.002582
1000.1	0.002000	0.435979	0.000872	0.002582
1000.2	0.002000	0.435919	0.000872	0.002582
1000.3	0.002000	0.435859	0.000872	0.002581
1000.4	0.002000	0.435798	0.000872	0.002581
1000.5	0.003000	0.435738	0.001307	0.003871
1000.6	0.003000	0.435678	0.001307	0.003870
1000.7	0.003000	0.435617	0.001307	0.003870
1000.8	0.004000	0.435557	0.001742	0.005159
1000.9	0.004000	0.435496	0.001742	0.005158
1001.0	0.004000	0.435436	0.001742	0.005157
1001.1	0.004000	0.435376	0.001742	0.005157
1001.2	0.004000	0.435315	0.001741	0.005156
1001.3	0.004000	0.435255	0.001741	0.005155
1001.4	0.004000	0.435194	0.001741	0.005155
1001.5	0.003000	0.435134	0.001305	0.003865
1001.6	0.003000	0.435074	0.001305	0.003865
1001.7	0.003000	0.435014	0.001305	0.003864
1001.8	0.003000	0.434954	0.001305	0.003864
1001.9	0.003000	0.434893	0.001305	0.003863
1002.0	0.004000	0.434833	0.001739	0.005150
1002.1	0.005000	0.434827	0.002174	0.006438
1002.2	0.006000	0.434822	0.002609	0.007725
1002.3	0.005000	0.434817	0.002174	0.006438
1002.4	0.005000	0.434811	0.002174	0.006438
1002.5	0.006000	0.434806	0.002609	0.007725
1002.6	0.006000	0.434800	0.002609	0.007725
1002.7	0.006000	0.434794	0.002609	0.007725

1002.8	0.007000	0.434789	0.003044	0.009012
1002.9	0.007000	0.434783	0.003043	0.009012
1003.0	0.007000	0.434777	0.003043	0.009012
1003.1	0.007000	0.434769	0.003043	0.009012
1003.2	0.007000	0.434762	0.003043	0.009012
1003.3	0.007000	0.434754	0.003043	0.009011
1003.4	0.007000	0.434747	0.003043	0.009011
1003.5	0.007000	0.434739	0.003043	0.009011
1003.6	0.007000	0.434731	0.003043	0.009011
1003.7	0.008000	0.434722	0.003478	0.010298
1003.8	0.008000	0.434714	0.003478	0.010298
1003.9	0.008000	0.434706	0.003478	0.010298
1004.0	0.008000	0.434698	0.003478	0.010297
1004.1	0.009000	0.434688	0.003912	0.011584
1004.2	0.009000	0.434678	0.003912	0.011584
1004.3	0.010000	0.434668	0.004347	0.012871
1004.4	0.010000	0.434658	0.004347	0.012871
1004.5	0.010000	0.434648	0.004346	0.012870
1004.6	0.010000	0.434637	0.004346	0.012870
1004.7	0.010000	0.434627	0.004346	0.012870
1004.8	0.010000	0.434617	0.004346	0.012869
1004.9	0.011000	0.434606	0.004781	0.014156
1005.0	0.012000	0.434597	0.005215	0.015443
1005.1	0.011000	0.434600	0.004781	0.014156
1005.2	0.012000	0.434602	0.005215	0.015443
1005.3	0.012000	0.434604	0.005215	0.015443
1005.4	0.012000	0.434607	0.005215	0.015443
1005.5	0.012000	0.434609	0.005215	0.015443
1005.6	0.012000	0.434610	0.005215	0.015443
1005.7	0.013000	0.434612	0.005650	0.016730
1005.8	0.013000	0.434614	0.005650	0.016730
1005.9	0.014000	0.434616	0.006085	0.018017
1006.0	0.014000	0.434618	0.006085	0.018017
1006.1	0.014000	0.434699	0.006086	0.018021
1006.2	0.014000	0.434780	0.006087	0.018024
1006.3	0.015000	0.434860	0.006523	0.019315
1006.4	0.017000	0.434941	0.007394	0.021894
1006.5	0.017000	0.435022	0.007395	0.021898
1006.6	0.017000	0.435102	0.007397	0.021902
1006.7	0.017000	0.435183	0.007398	0.021907
1006.8	0.018000	0.435263	0.007835	0.023199
1006.9	0.019000	0.435344	0.008272	0.024493
1007.0	0.019000	0.435424	0.008273	0.024497

1007.1	0.019000	0.435508	0.008275	0.024502
1007.2	0.020000	0.435591	0.008712	0.025797
1007.3	0.020000	0.435675	0.008713	0.025801
1007.4	0.020000	0.435758	0.008715	0.025806
1007.5	0.022000	0.435841	0.009589	0.028392
1007.6	0.023000	0.435924	0.010026	0.029689
1007.7	0.023000	0.436007	0.010028	0.029694
1007.8	0.022000	0.436090	0.009594	0.028409
1007.9	0.026000	0.436173	0.011340	0.033580
1008.0	0.028000	0.436255	0.012215	0.036170
1008.1	0.025000	0.436290	0.010907	0.032297
1008.2	0.026000	0.436324	0.011344	0.033592
1008.3	0.027000	0.436358	0.011782	0.034887
1008.4	0.028000	0.436392	0.012219	0.036182
1008.5	0.028000	0.436426	0.012220	0.036184
1008.6	0.028000	0.436460	0.012221	0.036187
1008.7	0.029000	0.436494	0.012658	0.037482
1008.8	0.031000	0.436527	0.013532	0.040071
1008.9	0.032000	0.436561	0.013970	0.041366
1009.0	0.033000	0.436594	0.014408	0.042662
1009.1	0.033000	0.436625	0.014409	0.042665
1009.2	0.035000	0.436655	0.015283	0.045254
1009.3	0.036000	0.436686	0.015721	0.046551
1009.4	0.037000	0.436716	0.016159	0.047847
1009.5	0.037000	0.436746	0.016160	0.047850
1009.6	0.038000	0.436776	0.016598	0.049147
1009.7	0.040000	0.436806	0.017472	0.051737
1009.8	0.040000	0.436836	0.017473	0.051741
1009.9	0.041000	0.436865	0.017911	0.053038
1010.0	0.039000	0.436894	0.017039	0.050454
1010.1	0.043000	0.436917	0.018787	0.055631
1010.2	0.046000	0.436941	0.020099	0.059516
1010.3	0.046000	0.436963	0.020100	0.059519
1010.4	0.047000	0.436986	0.020538	0.060816
1010.5	0.049000	0.437008	0.021413	0.063407
1010.6	0.049000	0.437030	0.021414	0.063410
1010.7	0.052000	0.437051	0.022727	0.067296
1010.8	0.053000	0.437073	0.023165	0.068593
1010.9	0.055000	0.437094	0.024040	0.071185
1011.0	0.057000	0.437116	0.024916	0.073778
1011.1	0.057000	0.437135	0.024917	0.073781
1011.2	0.060000	0.437155	0.026229	0.077667
1011.3	0.064000	0.437174	0.027979	0.082849

1011.4	0.065000	0.437193	0.028418	0.084147
1011.5	0.066000	0.437211	0.028856	0.085445
1011.6	0.069000	0.437230	0.030169	0.089333
1011.7	0.071000	0.437249	0.031045	0.091926
1011.8	0.073000	0.437267	0.031920	0.094520
1011.9	0.075000	0.437285	0.032796	0.097113
1012.0	0.078000	0.437303	0.034110	0.101002
1012.1	0.081000	0.437287	0.035420	0.104883
1012.2	0.083000	0.437270	0.036293	0.107468
1012.3	0.086000	0.437254	0.037604	0.111349
1012.4	0.088000	0.437237	0.038477	0.113934
1012.5	0.090000	0.437221	0.039350	0.116519
1012.6	0.093000	0.437204	0.040660	0.120398
1012.7	0.096000	0.437187	0.041970	0.124277
1012.8	0.099000	0.437170	0.043280	0.128156
1012.9	0.101000	0.437153	0.044152	0.130740
1013.0	0.104000	0.437137	0.045462	0.134618
1013.1	0.107000	0.437120	0.046772	0.138496
1013.2	0.109000	0.437104	0.047644	0.141079
1013.3	0.111000	0.437087	0.048517	0.143662
1013.4	0.116000	0.437070	0.050700	0.150128
1013.5	0.119000	0.437053	0.052009	0.154004
1013.6	0.123000	0.437035	0.053755	0.159175
1013.7	0.127000	0.437018	0.055501	0.164345
1013.8	0.131000	0.437001	0.057247	0.169514
1013.9	0.134000	0.436983	0.058556	0.173389
1014.0	0.138000	0.436966	0.060301	0.178558
1014.1	0.143000	0.436878	0.062474	0.184990
1014.2	0.146000	0.436790	0.063771	0.188833
1014.3	0.152000	0.436702	0.066379	0.196554
1014.4	0.155000	0.436614	0.067675	0.200393
1014.5	0.160000	0.436526	0.069844	0.206815
1014.6	0.164000	0.436437	0.071576	0.211943
1014.7	0.167000	0.436349	0.072870	0.215776
1014.8	0.174000	0.436261	0.075909	0.224775
1014.9	0.176000	0.436173	0.076766	0.227313
1015.0	0.179000	0.436085	0.078059	0.231141
1015.1	0.190000	0.435995	0.082839	0.245295
1015.2	0.194000	0.435906	0.084566	0.250407
1015.3	0.201000	0.435817	0.087599	0.259390
1015.4	0.207000	0.435728	0.090196	0.267078
1015.5	0.212000	0.435638	0.092355	0.273473
1015.6	0.223000	0.435549	0.097127	0.287604

1015.7	0.227000	0.435460	0.098849	0.292702
1015.8	0.232000	0.435370	0.101006	0.299088
1015.9	0.253000	0.435281	0.110126	0.326094
1016.0	0.256000	0.435192	0.111409	0.329893
1016.1	0.257000	0.435154	0.111835	0.331153
1016.2	0.257000	0.435116	0.111825	0.331124
1016.3	0.267000	0.435078	0.116166	0.343978
1016.4	0.274000	0.435040	0.119201	0.352966
1016.5	0.274000	0.435002	0.119191	0.352935
1016.6	0.283000	0.434965	0.123095	0.364496
1016.7	0.287000	0.434927	0.124824	0.369616
1016.8	0.292000	0.434889	0.126988	0.376023
1016.9	0.299000	0.434852	0.130021	0.385004
1017.0	0.308000	0.434814	0.133923	0.396558
1017.1	0.321000	0.434772	0.139562	0.413256
1017.2	0.330000	0.434731	0.143461	0.424802
1017.3	0.334000	0.434689	0.145186	0.429910
1017.4	0.338000	0.434646	0.146910	0.435016
1017.5	0.343000	0.434604	0.149069	0.441408
1017.6	0.349000	0.434561	0.151662	0.449086
1017.7	0.361000	0.434519	0.156861	0.464481
1017.8	0.364000	0.434476	0.158149	0.468295
1017.9	0.395000	0.434433	0.171601	0.508128
1018.0	0.407000	0.434390	0.176797	0.523513
1018.1	0.407000	0.434296	0.176759	0.523399
1018.2	0.408000	0.434202	0.177154	0.524572
1018.3	0.409000	0.434108	0.177550	0.525743
1018.4	0.417000	0.434014	0.180984	0.535910
1018.5	0.424000	0.433920	0.183982	0.544788
1018.6	0.424000	0.433825	0.183942	0.544670
1018.7	0.434000	0.433731	0.188239	0.557394
1018.8	0.450000	0.433636	0.195136	0.577818
1018.9	0.465000	0.433542	0.201597	0.596948
1019.0	0.470000	0.433447	0.203720	0.603235
1019.1	0.473000	0.433355	0.204977	0.606957
1019.2	0.489000	0.433263	0.211866	0.627355
1019.3	0.492000	0.433171	0.213120	0.631070
1019.4	0.503000	0.433079	0.217839	0.645042
1019.5	0.504000	0.432987	0.218226	0.646187
1019.6	0.506000	0.432895	0.219045	0.648613
1019.7	0.509000	0.432803	0.220297	0.652320
1019.8	0.517000	0.432711	0.223712	0.662432
1019.9	0.519000	0.432619	0.224529	0.664853

1020.0	0.522000	0.432528	0.225779	0.668555
1020.1	0.528000	0.432369	0.228291	0.675992
1020.2	0.536000	0.432211	0.231665	0.685982
1020.3	0.544000	0.432053	0.235037	0.695966
1020.4	0.549000	0.431895	0.237110	0.702106
1020.5	0.559000	0.431737	0.241341	0.714634
1020.6	0.570000	0.431580	0.246000	0.728431
1020.7	0.576000	0.431422	0.248499	0.735830
1020.8	0.581000	0.431265	0.250565	0.741947
1020.9	0.583000	0.431108	0.251336	0.744230
1021.0	0.586000	0.430951	0.252537	0.747787
1021.1	0.592000	0.430794	0.255030	0.755168
1021.2	0.595000	0.430637	0.256229	0.758719
1021.3	0.599000	0.430480	0.257858	0.763542
1021.4	0.605000	0.430324	0.260346	0.770909
1021.5	0.612000	0.430167	0.263262	0.779545
1021.6	0.617000	0.430011	0.265317	0.785628
1021.7	0.623000	0.429854	0.267799	0.792980
1021.8	0.627000	0.429699	0.269421	0.797782
1021.9	0.632000	0.429543	0.271471	0.803852
1022.0	0.637000	0.429387	0.273520	0.809918
1022.1	0.640000	0.429310	0.274759	0.813587
1022.2	0.643000	0.429234	0.275997	0.817255
1022.3	0.647000	0.429157	0.277665	0.822192
1022.4	0.653000	0.429081	0.280190	0.829669
1022.5	0.658000	0.429004	0.282285	0.835873
1022.6	0.662000	0.428929	0.283951	0.840806
1022.7	0.665000	0.428853	0.285187	0.844467
1022.8	0.669000	0.428777	0.286852	0.849396
1022.9	0.673000	0.428701	0.288516	0.854324
1023.0	0.676000	0.428625	0.289751	0.857980
1023.1	0.679000	0.428547	0.290984	0.861631
1023.2	0.682000	0.428469	0.292216	0.865280
1023.3	0.686000	0.428391	0.293876	0.870196
1023.4	0.689000	0.428313	0.295108	0.873842
1023.5	0.692000	0.428235	0.296339	0.877487
1023.6	0.695000	0.428157	0.297569	0.881132
1023.7	0.698000	0.428080	0.298800	0.884775
1023.8	0.701000	0.428002	0.300029	0.888416
1023.9	0.703000	0.427924	0.300831	0.890789
1024.0	0.709000	0.427846	0.303343	0.898228
1024.1	0.710000	0.427720	0.303681	0.899229
1024.2	0.711000	0.427593	0.304019	0.900229

1024.3	0.714000	0.427467	0.305211	0.903760
1024.4	0.716000	0.427341	0.305976	0.906024
1024.5	0.718000	0.427215	0.306740	0.908287
1024.6	0.720000	0.427089	0.307504	0.910549
1024.7	0.722000	0.426963	0.308267	0.912810
1024.8	0.724000	0.426838	0.309031	0.915070
1024.9	0.726000	0.426713	0.309793	0.917328
1025.0	0.726000	0.426587	0.309702	0.917059
1025.1	0.726000	0.426465	0.309614	0.916796
1025.2	0.729000	0.426342	0.310804	0.920320
1025.3	0.731000	0.426220	0.311567	0.922580
1025.4	0.732000	0.426098	0.311904	0.923577
1025.5	0.733000	0.425976	0.312240	0.924574
1025.6	0.735000	0.425854	0.313003	0.926832
1025.7	0.737000	0.425733	0.313765	0.929089
1025.8	0.740000	0.425612	0.314953	0.932605
1025.9	0.740000	0.425491	0.314863	0.932340
1026.0	0.741000	0.425369	0.315199	0.933334
1026.1	0.743000	0.425194	0.315919	0.935468
1026.2	0.745000	0.425019	0.316639	0.937599
1026.3	0.746000	0.424845	0.316934	0.938472
1026.4	0.747000	0.424670	0.317229	0.939345
1026.5	0.749000	0.424496	0.317948	0.941474
1026.6	0.750000	0.424322	0.318242	0.942344
1026.7	0.751000	0.424148	0.318535	0.943214
1026.8	0.752000	0.423975	0.318829	0.944084
1026.9	0.755000	0.423802	0.319970	0.947463
1027.0	0.756000	0.423629	0.320263	0.948330
1027.1	0.757000	0.423456	0.320557	0.949199
1027.2	0.758000	0.423284	0.320850	0.950067
1027.3	0.760000	0.423112	0.321565	0.952187
1027.4	0.762000	0.422941	0.322281	0.954305
1027.5	0.762000	0.422769	0.322150	0.953918
1027.6	0.764000	0.422598	0.322865	0.956034
1027.7	0.766000	0.422427	0.323579	0.958149
1027.8	0.766000	0.422256	0.323448	0.957761
1027.9	0.768000	0.422085	0.324161	0.959872
1028.0	0.770000	0.421914	0.324874	0.961982
1028.1	0.770000	0.421775	0.324767	0.961666
1028.2	0.771000	0.421636	0.325082	0.962598
1028.3	0.774000	0.421498	0.326239	0.966026
1028.4	0.775000	0.421360	0.326554	0.966957
1028.5	0.776000	0.421222	0.326868	0.967888

1028.6	0.777000	0.421083	0.327182	0.968817
1028.7	0.779000	0.420945	0.327916	0.970992
1028.8	0.779000	0.420807	0.327809	0.970674
1028.9	0.781000	0.420670	0.328543	0.972848
1029.0	0.781000	0.420532	0.328435	0.972529
1029.1	0.783000	0.420395	0.329169	0.974702
1029.2	0.783000	0.420258	0.329062	0.974384
1029.3	0.784000	0.420121	0.329375	0.975311
1029.4	0.786000	0.419984	0.330107	0.977480
1029.5	0.787000	0.419847	0.330420	0.978404
1029.6	0.788000	0.419710	0.330731	0.979328
1029.7	0.790000	0.419573	0.331463	0.981493
1029.8	0.790000	0.419436	0.331355	0.981173
1029.9	0.791000	0.419300	0.331666	0.982095
1030.0	0.792000	0.419163	0.331977	0.983016
1030.1	0.792000	0.419089	0.331918	0.982842
1030.2	0.794000	0.419015	0.332698	0.985150
1030.3	0.795000	0.418941	0.333058	0.986216
1030.4	0.795000	0.418866	0.332999	0.986042
1030.5	0.796000	0.418792	0.333359	0.987107
1030.6	0.797000	0.418718	0.333718	0.988172
1030.7	0.799000	0.418644	0.334497	0.990477
1030.8	0.800000	0.418570	0.334856	0.991541
1030.9	0.799000	0.418496	0.334378	0.990127
1031.0	0.800000	0.418422	0.334738	0.991191
1031.1	0.802000	0.418350	0.335517	0.993498
1031.2	0.802000	0.418278	0.335459	0.993327
1031.3	0.802000	0.418206	0.335401	0.993156
1031.4	0.804000	0.418135	0.336180	0.995462
1031.5	0.804000	0.418063	0.336123	0.995291
1031.6	0.804000	0.417991	0.336064	0.995119
1031.7	0.805000	0.417918	0.336424	0.996185
1031.8	0.807000	0.417846	0.337202	0.998488
1031.9	0.806000	0.417774	0.336726	0.997079
1032.0	0.807000	0.417703	0.337086	0.998144
1032.1	0.808000	0.417574	0.337399	0.999072
1032.2	0.809000	0.417445	0.337713	1.000000
1032.3	0.809000	0.417315	0.337608	0.999691
1032.4	0.809000	0.417186	0.337504	0.999381
1032.5	0.809000	0.417057	0.337399	0.999071
1032.6	0.809000	0.416928	0.337295	0.998762
1032.7	0.809000	0.416799	0.337190	0.998452
1032.8	0.810000	0.416669	0.337502	0.999377

1032.9	0.810000	0.416540	0.337398	0.999067
1033.0	0.811000	0.416411	0.337709	0.999990
1033.1	0.810000	0.416282	0.337188	0.998446
1033.2	0.811000	0.416152	0.337499	0.999368
1033.3	0.811000	0.416022	0.337394	0.999057
1033.4	0.810000	0.415893	0.336873	0.997514
1033.5	0.810000	0.415763	0.336768	0.997203
1033.6	0.809000	0.415633	0.336247	0.995661
1033.7	0.809000	0.415503	0.336142	0.995350
1033.8	0.809000	0.415374	0.336037	0.995039
1033.9	0.809000	0.415244	0.335933	0.994729
1034.0	0.809000	0.415115	0.335828	0.994419
1034.1	0.808000	0.414875	0.335219	0.992615
1034.2	0.806000	0.414634	0.334195	0.989585
1034.3	0.806000	0.414394	0.334002	0.989011
1034.4	0.804000	0.414154	0.332980	0.985986
1034.5	0.804000	0.413914	0.332787	0.985414
1034.6	0.803000	0.413674	0.332180	0.983618
1034.7	0.800000	0.413434	0.330747	0.979374
1034.8	0.799000	0.413194	0.330142	0.977582
1034.9	0.798000	0.412954	0.329537	0.975791
1035.0	0.796000	0.412714	0.328520	0.972780
1035.1	0.790000	0.412473	0.325854	0.964885
1035.2	0.790000	0.412233	0.325664	0.964322
1035.3	0.789000	0.411992	0.325062	0.962540
1035.4	0.788000	0.411752	0.324460	0.960759
1035.5	0.784000	0.411511	0.322625	0.955324
1035.6	0.782000	0.411271	0.321614	0.952330
1035.7	0.780000	0.411031	0.320604	0.949340
1035.8	0.778000	0.410790	0.319595	0.946352
1035.9	0.773000	0.410550	0.317355	0.939719
1036.0	0.769000	0.410310	0.315528	0.934310
1036.1	0.766000	0.410199	0.314212	0.930413
1036.2	0.762000	0.410088	0.312487	0.925303
1036.3	0.757000	0.409976	0.310352	0.918983
1036.4	0.754000	0.409865	0.309038	0.915093
1036.5	0.750000	0.409754	0.307316	0.909992
1036.6	0.746000	0.409643	0.305594	0.904893
1036.7	0.740000	0.409532	0.303054	0.897371
1036.8	0.735000	0.409421	0.300924	0.891066
1036.9	0.733000	0.409310	0.300024	0.888400
1037.0	0.725000	0.409199	0.296669	0.878465
1037.1	0.711000	0.409085	0.290860	0.861264

1037.2	0.711000	0.408972	0.290779	0.861025
1037.3	0.706000	0.408859	0.288654	0.854734
1037.4	0.694000	0.408746	0.283670	0.839973
1037.5	0.690000	0.408633	0.281957	0.834901
1037.6	0.690000	0.408519	0.281878	0.834669
1037.7	0.683000	0.408406	0.278941	0.825973
1037.8	0.676000	0.408293	0.276006	0.817281
1037.9	0.661000	0.408180	0.269807	0.798925
1038.0	0.657000	0.408067	0.268100	0.793870
1038.1	0.654000	0.407985	0.266822	0.790086
1038.2	0.648000	0.407903	0.264321	0.782681
1038.3	0.646000	0.407821	0.263453	0.780108
1038.4	0.629000	0.407739	0.256468	0.759427
1038.5	0.616000	0.407658	0.251117	0.743582
1038.6	0.613000	0.407576	0.249844	0.739812
1038.7	0.609000	0.407494	0.248164	0.734837
1038.8	0.595000	0.407412	0.242410	0.717801
1038.9	0.589000	0.407331	0.239918	0.710420
1039.0	0.582000	0.407249	0.237019	0.701836
1039.1	0.576000	0.407166	0.234528	0.694460
1039.2	0.561000	0.407084	0.228374	0.676237
1039.3	0.558000	0.407001	0.227107	0.672485
1039.4	0.542000	0.406919	0.220550	0.653070
1039.5	0.517000	0.406836	0.210334	0.622820
1039.6	0.511000	0.406754	0.207851	0.615468
1039.7	0.505000	0.406672	0.205369	0.608118
1039.8	0.499000	0.406606	0.202896	0.600796
1039.9	0.473000	0.406541	0.192294	0.569400
1040.0	0.473000	0.406475	0.192263	0.569308
1040.1	0.465000	0.406333	0.188945	0.559485
1040.2	0.462000	0.406192	0.187661	0.555681
1040.3	0.458000	0.406050	0.185971	0.550678
1040.4	0.432000	0.405909	0.175353	0.519236
1040.5	0.424000	0.405767	0.172045	0.509443
1040.6	0.415000	0.405626	0.168335	0.498455
1040.7	0.406000	0.405484	0.164627	0.487475
1040.8	0.389000	0.405343	0.157678	0.466901
1040.9	0.381000	0.405201	0.154382	0.457139
1041.0	0.363000	0.405060	0.147037	0.435390
1041.1	0.362000	0.404922	0.146582	0.434042
1041.2	0.357000	0.404783	0.144508	0.427901
1041.3	0.351000	0.404644	0.142030	0.420565
1041.4	0.332000	0.404506	0.134296	0.397663

1041.5	0.328000	0.404367	0.132632	0.392738
1041.6	0.320000	0.404229	0.129353	0.383028
1041.7	0.312000	0.404091	0.126076	0.373324
1041.8	0.307000	0.403953	0.124014	0.367216
1041.9	0.305000	0.403815	0.123164	0.364699
1042.0	0.302000	0.403677	0.121910	0.360988
1042.1	0.296000	0.403494	0.119434	0.353656
1042.2	0.270000	0.403311	0.108894	0.322446
1042.3	0.259000	0.403129	0.104410	0.309169
1042.4	0.257000	0.402946	0.103557	0.306642
1042.5	0.254000	0.402763	0.102302	0.302925
1042.6	0.237000	0.402580	0.095411	0.282523
1042.7	0.232000	0.402397	0.093356	0.276437
1042.8	0.230000	0.402215	0.092509	0.273929
1042.9	0.218000	0.402032	0.087643	0.259520
1043.0	0.215000	0.401850	0.086398	0.255832
1043.1	0.210000	0.401667	0.084350	0.249769
1043.2	0.198000	0.401485	0.079494	0.235390
1043.3	0.193000	0.401303	0.077451	0.229341
1043.4	0.188000	0.401121	0.075411	0.223298
1043.5	0.182000	0.400939	0.072971	0.216074
1043.6	0.175000	0.400757	0.070132	0.207669
1043.7	0.172000	0.400575	0.068899	0.204016
1043.8	0.161000	0.400393	0.064463	0.190882
1043.9	0.155000	0.400211	0.062033	0.183685
1044.0	0.144000	0.400030	0.057604	0.170572
1044.1	0.142000	0.399880	0.056783	0.168140
1044.2	0.140000	0.399730	0.055962	0.165709
1044.3	0.134000	0.399580	0.053544	0.158548
1044.4	0.129000	0.399430	0.051527	0.152575
1044.5	0.123000	0.399281	0.049112	0.145424
1044.6	0.120000	0.399132	0.047896	0.141824
1044.7	0.115000	0.398982	0.045883	0.135864
1044.8	0.111000	0.398833	0.044270	0.131089
1044.9	0.108000	0.398684	0.043058	0.127499
1045.0	0.104000	0.398535	0.041448	0.122730
1045.1	0.099000	0.398389	0.039440	0.116787
1045.2	0.097000	0.398242	0.038629	0.114386
1045.3	0.095000	0.398096	0.037819	0.111986
1045.4	0.093000	0.397950	0.037009	0.109588
1045.5	0.086000	0.397803	0.034211	0.101302
1045.6	0.085000	0.397658	0.033801	0.100088
1045.7	0.081000	0.397512	0.032198	0.095343

1045.8	0.078000	0.397367	0.030995	0.091778
1045.9	0.076000	0.397222	0.030189	0.089392
1046.0	0.073000	0.397077	0.028987	0.085832
1046.1	0.069000	0.397042	0.027396	0.081122
1046.2	0.069000	0.397008	0.027394	0.081115
1046.3	0.068000	0.396973	0.026994	0.079932
1046.4	0.064000	0.396939	0.025404	0.075224
1046.5	0.061000	0.396905	0.024211	0.071692
1046.6	0.058000	0.396871	0.023019	0.068160
1046.7	0.057000	0.396838	0.022620	0.066979
1046.8	0.056000	0.396804	0.022221	0.065799
1046.9	0.055000	0.396770	0.021822	0.064618
1047.0	0.049000	0.396737	0.019440	0.057564
1047.1	0.049000	0.396707	0.019439	0.057560
1047.2	0.048000	0.396677	0.019041	0.056381
1047.3	0.045000	0.396648	0.017849	0.052853
1047.4	0.044000	0.396619	0.017451	0.051675
1047.5	0.043000	0.396590	0.017053	0.050497
1047.6	0.041000	0.396561	0.016259	0.048144
1047.7	0.039000	0.396532	0.015465	0.045793
1047.8	0.038000	0.396503	0.015067	0.044615
1047.9	0.037000	0.396475	0.014670	0.043438
1048.0	0.035000	0.396446	0.013876	0.041087
1048.1	0.034000	0.396358	0.013476	0.039904
1048.2	0.033000	0.396269	0.013077	0.038722
1048.3	0.031000	0.396181	0.012282	0.036367
1048.4	0.031000	0.396092	0.012279	0.036359
1048.5	0.030000	0.396004	0.011880	0.035178
1048.6	0.028000	0.395916	0.011086	0.032826
1048.7	0.028000	0.395828	0.011083	0.032818
1048.8	0.026000	0.395740	0.010289	0.030467
1048.9	0.026000	0.395652	0.010287	0.030461
1049.0	0.025000	0.395564	0.009889	0.029283
1049.1	0.025000	0.395476	0.009887	0.029276
1049.2	0.023000	0.395387	0.009094	0.026928
1049.3	0.022000	0.395299	0.008697	0.025751
1049.4	0.022000	0.395210	0.008695	0.025746
1049.5	0.020000	0.395122	0.007902	0.023400
1049.6	0.019000	0.395034	0.007506	0.022225
1049.7	0.019000	0.394946	0.007504	0.022220
1049.8	0.018000	0.394858	0.007107	0.021046
1049.9	0.018000	0.394770	0.007106	0.021041
1050.0	0.017000	0.394682	0.006710	0.019868

1050.1	0.017000	0.394540	0.006707	0.019861
1050.2	0.017000	0.394397	0.006705	0.019853
1050.3	0.015000	0.394254	0.005914	0.017511
1050.4	0.015000	0.394112	0.005912	0.017505
1050.5	0.015000	0.393969	0.005910	0.017499
1050.6	0.015000	0.393827	0.005907	0.017492
1050.7	0.015000	0.393684	0.005905	0.017486
1050.8	0.013000	0.393542	0.005116	0.015149
1050.9	0.013000	0.393399	0.005114	0.015144
1051.0	0.013000	0.393257	0.005112	0.015138
1051.1	0.011000	0.393111	0.004324	0.012804
1051.2	0.010000	0.392966	0.003930	0.011636
1051.3	0.011000	0.392821	0.004321	0.012795
1051.4	0.010000	0.392675	0.003927	0.011627
1051.5	0.009000	0.392530	0.003533	0.010461
1051.6	0.009000	0.392385	0.003531	0.010457
1051.7	0.008000	0.392240	0.003138	0.009292
1051.8	0.008000	0.392095	0.003137	0.009288
1051.9	0.008000	0.391950	0.003136	0.009285
1052.0	0.008000	0.391805	0.003134	0.009281
1052.1	0.008000	0.391707	0.003134	0.009279
1052.2	0.007000	0.391609	0.002741	0.008117
1052.3	0.007000	0.391512	0.002741	0.008115
1052.4	0.008000	0.391414	0.003131	0.009272
1052.5	0.007000	0.391316	0.002739	0.008111
1052.6	0.007000	0.391218	0.002739	0.008109
1052.7	0.007000	0.391121	0.002738	0.008107
1052.8	0.008000	0.391023	0.003128	0.009263
1052.9	0.008000	0.390925	0.003127	0.009261
1053.0	0.008000	0.390828	0.003127	0.009258
1053.1	0.007000	0.390728	0.002735	0.008099
1053.2	0.007000	0.390627	0.002734	0.008097
1053.3	0.007000	0.390528	0.002734	0.008095
1053.4	0.007000	0.390428	0.002733	0.008093
1053.5	0.007000	0.390328	0.002732	0.008091
1053.6	0.007000	0.390229	0.002732	0.008089
1053.7	0.008000	0.390129	0.003121	0.009242
1053.8	0.008000	0.390030	0.003120	0.009239
1053.9	0.008000	0.389930	0.003119	0.009237
1054.0	0.008000	0.389830	0.003119	0.009235
1054.1	0.008000	0.389662	0.003117	0.009231
1054.2	0.009000	0.389494	0.003505	0.010380
1054.3	0.009000	0.389326	0.003504	0.010375

1054.4	0.008000	0.389157	0.003113	0.009219
1054.5	0.008000	0.388989	0.003112	0.009215
1054.6	0.008000	0.388821	0.003111	0.009211
1054.7	0.008000	0.388653	0.003109	0.009207
1054.8	0.007000	0.388485	0.002719	0.008052
1054.9	0.006000	0.388318	0.002330	0.006899
1055.0	0.005000	0.388150	0.001941	0.005747
1055.1	0.005000	0.387980	0.001940	0.005744
1055.2	0.004000	0.387810	0.001551	0.004593
1055.3	0.004000	0.387639	0.001551	0.004591
1055.4	0.004000	0.387469	0.001550	0.004589
1055.5	0.004000	0.387299	0.001549	0.004587
1055.6	0.004000	0.387129	0.001549	0.004585
1055.7	0.003000	0.386960	0.001161	0.003437
1055.8	0.003000	0.386790	0.001160	0.003436
1055.9	0.002000	0.386621	0.000773	0.002290
1056.0	0.002000	0.386451	0.000773	0.002289
1056.1	0.002000	0.386319	0.000773	0.002288
1056.2	0.002000	0.386187	0.000772	0.002287
1056.3	0.002000	0.386055	0.000772	0.002286
1056.4	0.002000	0.385923	0.000772	0.002286
1056.5	0.002000	0.385791	0.000772	0.002285
1056.6	0.002000	0.385659	0.000771	0.002284
1056.7	0.001000	0.385527	0.000386	0.001142
1056.8	0.000000	0.385396	0.000000	0.000000
CHANNEL 10				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
780.1	0.000124	0.445151	0.000055	0.000154
780.2	0.000247	0.445279	0.000110	0.000308
780.3	0.000369	0.445407	0.000165	0.000462
780.4	0.000492	0.445535	0.000219	0.000614
780.5	0.000613	0.445663	0.000273	0.000767
780.6	0.000735	0.445791	0.000327	0.000919
780.7	0.000855	0.445919	0.000381	0.001070
780.8	0.000976	0.446047	0.000435	0.001221
780.9	0.001096	0.446176	0.000489	0.001372
781.0	0.001216	0.446305	0.000543	0.001522
781.1	0.001336	0.446433	0.000596	0.001672
781.2	0.001455	0.446561	0.000650	0.001822
781.3	0.001574	0.446683	0.000703	0.001972

781.4	0.001693	0.446803	0.000756	0.002121
781.5	0.001811	0.446923	0.000810	0.002271
781.6	0.001930	0.447043	0.000863	0.002420
781.7	0.002048	0.447163	0.000916	0.002569
781.8	0.002167	0.447283	0.000969	0.002718
781.9	0.002285	0.447404	0.001022	0.002867
782.0	0.002403	0.447525	0.001075	0.003016
782.1	0.002521	0.447685	0.001129	0.003166
782.2	0.002639	0.447845	0.001182	0.003316
782.3	0.002758	0.448006	0.001235	0.003465
782.4	0.002876	0.448166	0.001289	0.003615
782.5	0.002994	0.448327	0.001342	0.003765
782.6	0.003113	0.448487	0.001396	0.003916
782.7	0.003232	0.448648	0.001450	0.004067
782.8	0.003350	0.448808	0.001504	0.004218
782.9	0.003469	0.448969	0.001558	0.004369
783.0	0.003589	0.449130	0.001612	0.004521
783.1	0.003708	0.449287	0.001666	0.004673
783.2	0.003828	0.449440	0.001721	0.004826
783.3	0.003948	0.449589	0.001775	0.004979
783.4	0.004069	0.449737	0.001830	0.005133
783.5	0.004190	0.449886	0.001885	0.005287
783.6	0.004311	0.450034	0.001940	0.005442
783.7	0.004433	0.450182	0.001996	0.005597
783.8	0.004555	0.450331	0.002051	0.005753
783.9	0.004678	0.450478	0.002107	0.005910
784.0	0.004801	0.450626	0.002163	0.006068
784.1	0.004924	0.450814	0.002220	0.006227
784.2	0.005049	0.451001	0.002277	0.006387
784.3	0.005174	0.451189	0.002334	0.006547
784.4	0.005299	0.451376	0.002392	0.006709
784.5	0.005425	0.451563	0.002450	0.006871
784.6	0.005552	0.451750	0.002508	0.007035
784.7	0.005679	0.451938	0.002567	0.007199
784.8	0.005808	0.452125	0.002626	0.007365
784.9	0.005937	0.452312	0.002685	0.007532
785.0	0.006066	0.452499	0.002745	0.007700
785.1	0.006197	0.452681	0.002805	0.007868
785.2	0.006328	0.452856	0.002866	0.008038
785.3	0.006461	0.453032	0.002927	0.008210
785.4	0.006594	0.453207	0.002988	0.008382
785.5	0.006728	0.453383	0.003050	0.008556
785.6	0.006863	0.453558	0.003113	0.008731

785.7	0.006999	0.453734	0.003176	0.008907
785.8	0.007136	0.453909	0.003239	0.009085
785.9	0.007274	0.454084	0.003303	0.009265
786.0	0.007413	0.454259	0.003368	0.009446
786.1	0.007554	0.454142	0.003430	0.009622
786.2	0.007695	0.454026	0.003494	0.009799
786.3	0.007837	0.453909	0.003557	0.009978
786.4	0.007981	0.453793	0.003622	0.010159
786.5	0.008126	0.453676	0.003686	0.010340
786.6	0.008272	0.453559	0.003752	0.010523
786.7	0.008419	0.453443	0.003818	0.010708
786.8	0.008568	0.453326	0.003884	0.010894
786.9	0.008718	0.453210	0.003951	0.011082
787.0	0.008869	0.453093	0.004018	0.011271
787.1	0.009022	0.452971	0.004087	0.011462
787.2	0.009176	0.452848	0.004155	0.011655
787.3	0.009331	0.452725	0.004224	0.011849
787.4	0.009488	0.452602	0.004294	0.012045
787.5	0.009646	0.452479	0.004365	0.012243
787.6	0.009806	0.452356	0.004436	0.012442
787.7	0.009968	0.452233	0.004508	0.012643
787.8	0.010132	0.452110	0.004581	0.012849
787.9	0.010308	0.451987	0.004659	0.013068
788.0	0.010512	0.451864	0.004750	0.013323
788.1	0.010755	0.451962	0.004861	0.013634
788.2	0.011052	0.452061	0.004996	0.014014
788.3	0.011418	0.452159	0.005163	0.014481
788.4	0.011863	0.452257	0.005365	0.015049
788.5	0.012387	0.452355	0.005603	0.015717
788.6	0.012986	0.452454	0.005876	0.016480
788.7	0.013651	0.452552	0.006178	0.017328
788.8	0.014377	0.452650	0.006508	0.018254
788.9	0.015158	0.452748	0.006863	0.019249
789.0	0.015988	0.452842	0.007240	0.020308
789.1	0.016861	0.452936	0.007637	0.021421
789.2	0.017770	0.453029	0.008050	0.022580
789.3	0.018709	0.453123	0.008477	0.023778
789.4	0.019674	0.453216	0.008917	0.025010
789.5	0.020667	0.453309	0.009369	0.026278
789.6	0.021698	0.453403	0.009838	0.027594
789.7	0.022773	0.453496	0.010327	0.028967
789.8	0.023900	0.453590	0.010841	0.030407
789.9	0.025087	0.453683	0.011382	0.031924

790.0	0.026342	0.453777	0.011953	0.033528
790.1	0.027672	0.453809	0.012558	0.035223
790.2	0.029084	0.453842	0.013200	0.037023
790.3	0.030588	0.453875	0.013883	0.038941
790.4	0.032190	0.453907	0.014611	0.040983
790.5	0.033904	0.453939	0.015390	0.043168
790.6	0.035745	0.453972	0.016227	0.045516
790.7	0.037728	0.454005	0.017129	0.048044
790.8	0.039867	0.454037	0.018101	0.050772
790.9	0.042179	0.454068	0.019152	0.053720
791.0	0.044677	0.454095	0.020288	0.056905
791.1	0.047377	0.454119	0.021515	0.060347
791.2	0.050293	0.454144	0.022840	0.064065
791.3	0.053441	0.454168	0.024271	0.068078
791.4	0.056836	0.454192	0.025814	0.072407
791.5	0.060491	0.454215	0.027476	0.077067
791.6	0.064418	0.454239	0.029261	0.082075
791.7	0.068631	0.454263	0.031177	0.087447
791.8	0.073142	0.454287	0.033227	0.093200
791.9	0.077963	0.454310	0.035419	0.099348
792.0	0.083109	0.454333	0.037759	0.105911
792.1	0.088591	0.454314	0.040248	0.112892
792.2	0.094423	0.454296	0.042896	0.120319
792.3	0.100620	0.454277	0.045709	0.128210
792.4	0.107180	0.454258	0.048687	0.136563
792.5	0.114130	0.454239	0.051842	0.145412
792.6	0.121460	0.454219	0.055169	0.154745
792.7	0.129180	0.454199	0.058673	0.164573
792.8	0.137290	0.454178	0.062354	0.174897
792.9	0.145800	0.454152	0.066215	0.185727
793.0	0.154700	0.454126	0.070253	0.197053
793.1	0.164000	0.454094	0.074471	0.208885
793.2	0.173710	0.454062	0.078875	0.221237
793.3	0.183830	0.454030	0.083464	0.234109
793.4	0.194350	0.453997	0.088234	0.247488
793.5	0.205280	0.453964	0.093190	0.261387
793.6	0.216590	0.453929	0.098317	0.275768
793.7	0.228260	0.453895	0.103606	0.290605
793.8	0.240280	0.453861	0.109054	0.305884
793.9	0.252630	0.453825	0.114650	0.321581
794.0	0.265290	0.453790	0.120386	0.337670
794.1	0.278240	0.453806	0.126267	0.354166
794.2	0.291480	0.453821	0.132280	0.371032

794.3	0.304970	0.453837	0.138407	0.388216
794.4	0.318710	0.453851	0.144647	0.405720
794.5	0.332660	0.453866	0.150983	0.423492
794.6	0.346800	0.453880	0.157406	0.441507
794.7	0.361100	0.453894	0.163901	0.459726
794.8	0.375520	0.453905	0.170450	0.478096
794.9	0.390040	0.453916	0.177045	0.496594
795.0	0.404620	0.453926	0.183668	0.515169
795.1	0.419250	0.453933	0.190312	0.533805
795.2	0.433880	0.453941	0.196956	0.552441
795.3	0.448480	0.453948	0.203586	0.571039
795.4	0.463040	0.453955	0.210199	0.589587
795.5	0.477510	0.453962	0.216771	0.608021
795.6	0.491860	0.453969	0.223289	0.626303
795.7	0.506070	0.453976	0.229743	0.644407
795.8	0.520100	0.453983	0.236116	0.662283
795.9	0.533910	0.453990	0.242390	0.679878
796.0	0.547480	0.453996	0.248554	0.697169
796.1	0.560780	0.453977	0.254581	0.714074
796.2	0.573770	0.453957	0.260467	0.730584
796.3	0.586410	0.453938	0.266194	0.746646
796.4	0.598690	0.453918	0.271756	0.762249
796.5	0.610580	0.453899	0.277141	0.777353
796.6	0.622080	0.453878	0.282349	0.791959
796.7	0.633170	0.453857	0.287368	0.806039
796.8	0.643840	0.453834	0.292196	0.819581
796.9	0.654080	0.453812	0.296829	0.832575
797.0	0.663890	0.453789	0.301266	0.845021
797.1	0.673240	0.453759	0.305488	0.856864
797.2	0.682140	0.453728	0.309506	0.868133
797.3	0.690570	0.453697	0.313310	0.878802
797.4	0.698520	0.453667	0.316895	0.888859
797.5	0.706000	0.453636	0.320267	0.898316
797.6	0.713020	0.453605	0.323429	0.907186
797.7	0.719590	0.453574	0.326387	0.915483
797.8	0.725720	0.453542	0.329145	0.923217
797.9	0.731430	0.453510	0.331711	0.930416
798.0	0.736720	0.453478	0.334087	0.937079
798.1	0.741610	0.453537	0.336348	0.943421
798.2	0.746100	0.453596	0.338428	0.949256
798.3	0.750220	0.453654	0.340341	0.954621
798.4	0.753970	0.453712	0.342085	0.959515
798.5	0.757370	0.453770	0.343672	0.963964

798.6	0.760450	0.453827	0.345113	0.968007
798.7	0.763230	0.453884	0.346418	0.971666
798.8	0.765740	0.453940	0.347600	0.974982
798.9	0.767990	0.453995	0.348664	0.977967
799.0	0.770010	0.454051	0.349624	0.980660
799.1	0.771820	0.454104	0.350486	0.983079
799.2	0.773450	0.454156	0.351267	0.985269
799.3	0.774920	0.454209	0.351975	0.987255
799.4	0.776260	0.454261	0.352625	0.989077
799.5	0.777470	0.454314	0.353215	0.990733
799.6	0.778570	0.454366	0.353756	0.992249
799.7	0.779570	0.454419	0.354251	0.993639
799.8	0.780470	0.454471	0.354701	0.994901
799.9	0.781300	0.454524	0.355120	0.996075
800.0	0.782050	0.454577	0.355502	0.997147
800.1	0.782740	0.454408	0.355684	0.997657
800.2	0.783380	0.454240	0.355842	0.998102
800.3	0.783980	0.454071	0.355983	0.998496
800.4	0.784550	0.453904	0.356110	0.998852
800.5	0.785090	0.453736	0.356223	0.999170
800.6	0.785600	0.453567	0.356322	0.999448
800.7	0.786060	0.453399	0.356399	0.999663
800.8	0.786490	0.453231	0.356462	0.999839
800.9	0.786870	0.453063	0.356502	0.999951
801.0	0.787200	0.452895	0.356519	1.000000
801.1	0.787480	0.452726	0.356513	0.999983
801.2	0.787710	0.452558	0.356484	0.999902
801.3	0.787870	0.452389	0.356424	0.999733
801.4	0.787980	0.452221	0.356341	0.999500
801.5	0.788020	0.452053	0.356226	0.999179
801.6	0.788000	0.451885	0.356085	0.998783
801.7	0.787920	0.451717	0.355917	0.998311
801.8	0.787770	0.451550	0.355717	0.997751
801.9	0.787550	0.451382	0.355486	0.997102
802.0	0.787260	0.451215	0.355223	0.996365
802.1	0.786910	0.451176	0.355035	0.995837
802.2	0.786490	0.451138	0.354815	0.995221
802.3	0.786010	0.451099	0.354569	0.994529
802.4	0.785450	0.451061	0.354286	0.993736
802.5	0.784820	0.451023	0.353972	0.992856
802.6	0.784130	0.450986	0.353631	0.991900
802.7	0.783370	0.450949	0.353260	0.990857
802.8	0.782560	0.450911	0.352865	0.989751

802.9	0.781680	0.450874	0.352439	0.988556
803.0	0.780750	0.450837	0.351991	0.987298
803.1	0.779760	0.450793	0.351510	0.985951
803.2	0.778720	0.450750	0.351008	0.984541
803.3	0.777620	0.450706	0.350478	0.983055
803.4	0.776480	0.450662	0.349930	0.981519
803.5	0.775290	0.450619	0.349360	0.979920
803.6	0.774060	0.450576	0.348773	0.978272
803.7	0.772770	0.450532	0.348158	0.976548
803.8	0.771440	0.450489	0.347526	0.974774
803.9	0.770050	0.450447	0.346866	0.972925
804.0	0.768620	0.450404	0.346189	0.971026
804.1	0.767140	0.450350	0.345482	0.969042
804.2	0.765600	0.450297	0.344748	0.966982
804.3	0.764020	0.450244	0.343995	0.964872
804.4	0.762390	0.450191	0.343221	0.962701
804.5	0.760710	0.450140	0.342426	0.960470
804.6	0.758990	0.450089	0.341613	0.958190
804.7	0.757230	0.450038	0.340782	0.955860
804.8	0.755440	0.449988	0.339939	0.953493
804.9	0.753610	0.449937	0.339077	0.951077
805.0	0.751760	0.449887	0.338207	0.948636
805.1	0.749880	0.449838	0.337325	0.946161
805.2	0.747990	0.449789	0.336438	0.943674
805.3	0.746080	0.449740	0.335542	0.941162
805.4	0.744160	0.449692	0.334642	0.938638
805.5	0.742230	0.449643	0.333738	0.936102
805.6	0.740270	0.449595	0.332821	0.933530
805.7	0.738280	0.449546	0.331891	0.930921
805.8	0.736250	0.449499	0.330943	0.928263
805.9	0.734160	0.449451	0.329969	0.925530
806.0	0.732020	0.449403	0.328972	0.922734
806.1	0.729820	0.449325	0.327926	0.919799
806.2	0.727540	0.449246	0.326844	0.916765
806.3	0.725180	0.449167	0.325727	0.913631
806.4	0.722730	0.449091	0.324571	0.910390
806.5	0.720180	0.449014	0.323371	0.907023
806.6	0.717500	0.448938	0.322113	0.903494
806.7	0.714690	0.448862	0.320797	0.899803
806.8	0.711720	0.448786	0.319410	0.895912
806.9	0.708580	0.448710	0.317947	0.891809
807.0	0.705260	0.448634	0.316404	0.887481
807.1	0.701740	0.448566	0.314777	0.882917

807.2	0.698000	0.448497	0.313051	0.878077
807.3	0.694020	0.448429	0.311219	0.872937
807.4	0.689800	0.448361	0.309279	0.867497
807.5	0.685310	0.448293	0.307219	0.861719
807.6	0.680540	0.448224	0.305035	0.855591
807.7	0.675480	0.448156	0.302720	0.849100
807.8	0.670110	0.448087	0.300268	0.842221
807.9	0.664420	0.448019	0.297673	0.834942
808.0	0.658400	0.447951	0.294931	0.827251
808.1	0.652020	0.447912	0.292048	0.819164
808.2	0.645290	0.447873	0.289008	0.810638
808.3	0.638170	0.447837	0.285796	0.801629
808.4	0.630660	0.447801	0.282410	0.792133
808.5	0.622770	0.447766	0.278855	0.782161
808.6	0.614490	0.447731	0.275126	0.771701
808.7	0.605840	0.447696	0.271232	0.760779
808.8	0.596810	0.447662	0.267169	0.749382
808.9	0.587430	0.447627	0.262950	0.737547
809.0	0.577680	0.447593	0.258565	0.725250
809.1	0.567590	0.447561	0.254031	0.712532
809.2	0.557160	0.447530	0.249346	0.699390
809.3	0.546390	0.447499	0.244509	0.685823
809.4	0.535300	0.447468	0.239530	0.671856
809.5	0.523890	0.447437	0.234408	0.657489
809.6	0.512210	0.447407	0.229166	0.642788
809.7	0.500270	0.447376	0.223809	0.627762
809.8	0.488090	0.447347	0.218345	0.612437
809.9	0.475710	0.447317	0.212793	0.596864
810.0	0.463140	0.447288	0.207157	0.581055
810.1	0.450420	0.447192	0.201424	0.564975
810.2	0.437570	0.447098	0.195637	0.548741
810.3	0.424600	0.447006	0.189799	0.532366
810.4	0.411560	0.446914	0.183932	0.515910
810.5	0.398460	0.446822	0.178041	0.499387
810.6	0.385330	0.446732	0.172139	0.482833
810.7	0.372210	0.446641	0.166244	0.466298
810.8	0.359110	0.446550	0.160360	0.449795
810.9	0.346080	0.446459	0.154510	0.433386
811.0	0.333130	0.446368	0.148698	0.417084
811.1	0.320290	0.446281	0.142939	0.400930
811.2	0.307600	0.446194	0.137249	0.384970
811.3	0.295080	0.446107	0.131637	0.369229
811.4	0.282760	0.446021	0.126117	0.353745

811.5	0.270660	0.445934	0.120697	0.338541
811.6	0.258790	0.445847	0.115381	0.323631
811.7	0.247170	0.445760	0.110179	0.309040
811.8	0.235820	0.445673	0.105099	0.294791
811.9	0.224750	0.445585	0.100145	0.280898
812.0	0.213970	0.445498	0.095323	0.267372
812.1	0.203520	0.445564	0.090681	0.254351
812.2	0.193390	0.445633	0.086181	0.241729
812.3	0.183610	0.445703	0.081835	0.229540
812.4	0.174200	0.445772	0.077653	0.217810
812.5	0.165140	0.445841	0.073626	0.206514
812.6	0.156450	0.445909	0.069762	0.195677
812.7	0.148110	0.445978	0.066054	0.185274
812.8	0.140120	0.446047	0.062500	0.175306
812.9	0.132480	0.446115	0.059101	0.165773
813.0	0.125180	0.446183	0.055853	0.156663
813.1	0.118230	0.446258	0.052761	0.147989
813.2	0.111610	0.446332	0.049815	0.139726
813.3	0.105320	0.446406	0.047015	0.131874
813.4	0.099359	0.446480	0.044362	0.124430
813.5	0.093718	0.446553	0.041850	0.117385
813.6	0.088386	0.446627	0.039476	0.110725
813.7	0.083351	0.446700	0.037233	0.104434
813.8	0.078603	0.446773	0.035118	0.098502
813.9	0.074129	0.446846	0.033124	0.092910
814.0	0.069920	0.446919	0.031249	0.087649
814.1	0.065965	0.446926	0.029481	0.082692
814.2	0.062251	0.446932	0.027822	0.078038
814.3	0.058770	0.446939	0.026267	0.073675
814.4	0.055508	0.446946	0.024809	0.069587
814.5	0.052455	0.446953	0.023445	0.065761
814.6	0.049598	0.446960	0.022168	0.062180
814.7	0.046925	0.446967	0.020974	0.058830
814.8	0.044423	0.446974	0.019856	0.055694
814.9	0.042081	0.446980	0.018809	0.052758
815.0	0.039885	0.446987	0.017828	0.050006
815.1	0.037823	0.447002	0.016907	0.047422
815.2	0.035884	0.447017	0.016041	0.044993
815.3	0.034054	0.447031	0.015223	0.042700
815.4	0.032322	0.447046	0.014449	0.040529
815.5	0.030682	0.447060	0.013717	0.038474
815.6	0.029130	0.447074	0.013023	0.036529
815.7	0.027662	0.447088	0.012367	0.034689

815.8	0.026274	0.447102	0.011747	0.032950
815.9	0.024963	0.447116	0.011161	0.031306
816.0	0.023723	0.447133	0.010607	0.029752
816.1	0.022553	0.447250	0.010087	0.028293
816.2	0.021447	0.447367	0.009595	0.026912
816.3	0.020402	0.447484	0.009130	0.025607
816.4	0.019414	0.447600	0.008690	0.024374
816.5	0.018480	0.447716	0.008274	0.023207
816.6	0.017598	0.447832	0.007881	0.022105
816.7	0.016765	0.447948	0.007510	0.021064
816.8	0.015978	0.448064	0.007159	0.020081
816.9	0.015235	0.448179	0.006828	0.019152
817.0	0.014533	0.448294	0.006515	0.018274
817.1	0.013870	0.448410	0.006219	0.017445
817.2	0.013242	0.448527	0.005939	0.016659
817.3	0.012648	0.448643	0.005674	0.015916
817.4	0.012086	0.448759	0.005424	0.015213
817.5	0.011551	0.448875	0.005185	0.014543
817.6	0.011042	0.448990	0.004958	0.013906
817.7	0.010556	0.449105	0.004741	0.013297
817.8	0.010091	0.449220	0.004533	0.012715
817.9	0.009644	0.449337	0.004333	0.012154
818.0	0.009214	0.449457	0.004141	0.011615
818.1	0.008800	0.449288	0.003954	0.011090
818.2	0.008403	0.449119	0.003774	0.010586
818.3	0.008023	0.448950	0.003602	0.010103
818.4	0.007658	0.448781	0.003437	0.009639
818.5	0.007308	0.448612	0.003278	0.009196
818.6	0.006973	0.448443	0.003127	0.008771
818.7	0.006653	0.448273	0.002982	0.008365
818.8	0.006347	0.448103	0.002844	0.007977
818.9	0.006055	0.447933	0.002712	0.007607
819.0	0.005776	0.447763	0.002586	0.007254
819.1	0.005510	0.447592	0.002466	0.006918
819.2	0.005258	0.447420	0.002352	0.006598
819.3	0.005017	0.447248	0.002244	0.006294
819.4	0.004789	0.447077	0.002141	0.006006
819.5	0.004572	0.446905	0.002043	0.005732
819.6	0.004367	0.446733	0.001951	0.005472
819.7	0.004173	0.446561	0.001863	0.005227
819.8	0.003989	0.446389	0.001781	0.004995
819.9	0.003815	0.446223	0.001703	0.004776
820.0	0.003652	0.446056	0.001629	0.004569

820.1	0.003498	0.446046	0.001560	0.004376
820.2	0.003353	0.446037	0.001495	0.004195
820.3	0.003216	0.446027	0.001435	0.004024
820.4	0.003089	0.446018	0.001378	0.003864
820.5	0.002969	0.446009	0.001324	0.003714
820.6	0.002857	0.445999	0.001274	0.003574
820.7	0.002752	0.445990	0.001227	0.003442
820.8	0.002654	0.445980	0.001184	0.003320
820.9	0.002563	0.445971	0.001143	0.003206
821.0	0.002478	0.445961	0.001105	0.003099
821.1	0.002398	0.445960	0.001070	0.003000
821.2	0.002325	0.445959	0.001037	0.002908
821.3	0.002256	0.445958	0.001006	0.002822
821.4	0.002192	0.445957	0.000978	0.002742
821.5	0.002133	0.445956	0.000951	0.002668
821.6	0.002077	0.445954	0.000926	0.002599
821.7	0.002026	0.445953	0.000903	0.002534
821.8	0.001977	0.445955	0.000882	0.002473
821.9	0.001932	0.445959	0.000862	0.002417
822.0	0.001889	0.445962	0.000842	0.002363
822.1	0.001848	0.445959	0.000824	0.002312
822.2	0.001810	0.445956	0.000807	0.002264
822.3	0.001772	0.445952	0.000790	0.002217
822.4	0.001736	0.445948	0.000774	0.002172
822.5	0.001701	0.445944	0.000758	0.002127
822.6	0.001666	0.445940	0.000743	0.002083
822.7	0.001631	0.445936	0.000727	0.002040
822.8	0.001595	0.445932	0.000711	0.001996
822.9	0.001559	0.445927	0.000695	0.001951
823.0	0.001523	0.445922	0.000679	0.001904
823.1	0.001484	0.445924	0.000662	0.001856
823.2	0.001444	0.445926	0.000644	0.001806
823.3	0.001401	0.445928	0.000625	0.001753
823.4	0.001357	0.445929	0.000605	0.001697
823.5	0.001309	0.445931	0.000584	0.001637
823.6	0.001258	0.445933	0.000561	0.001573
823.7	0.001203	0.445937	0.000537	0.001505
823.8	0.001145	0.445944	0.000510	0.001432
823.9	0.001082	0.445951	0.000482	0.001353
824.0	0.001014	0.445957	0.000452	0.001269
824.1	0.000941	0.446029	0.000420	0.001178
824.2	0.000863	0.446100	0.000385	0.001080
824.3	0.000780	0.446171	0.000348	0.000976

824.4	0.000690	0.446242	0.000308	0.000863
824.5	0.000593	0.446314	0.000265	0.000742
824.6	0.000490	0.446385	0.000219	0.000613
824.7	0.000379	0.446457	0.000169	0.000475
824.8	0.000261	0.446528	0.000116	0.000327
824.9	0.000135	0.446600	0.000060	0.000169
825.0	0.000000	0.446671	0.000000	0.000000
Channel 11				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1311.1	0.000099	0.282074	0.000028	0.000146
1311.2	0.000198	0.282109	0.000056	0.000292
1311.3	0.000297	0.282144	0.000084	0.000438
1311.4	0.000397	0.282180	0.000112	0.000585
1311.5	0.000497	0.282215	0.000140	0.000733
1311.6	0.000597	0.282250	0.000168	0.000881
1311.7	0.000697	0.282285	0.000197	0.001030
1311.8	0.000798	0.282317	0.000225	0.001178
1311.9	0.000899	0.282349	0.000254	0.001328
1312.0	0.001000	0.282381	0.000282	0.001477
1312.1	0.001057	0.282381	0.000299	0.001562
1312.2	0.001115	0.282380	0.000315	0.001646
1312.3	0.001172	0.282380	0.000331	0.001731
1312.4	0.001229	0.282380	0.000347	0.001816
1312.5	0.001287	0.282379	0.000363	0.001900
1312.6	0.001344	0.282379	0.000379	0.001985
1312.7	0.001401	0.282378	0.000396	0.002070
1312.8	0.001459	0.282378	0.000412	0.002155
1312.9	0.001516	0.282378	0.000428	0.002239
1313.0	0.001573	0.282378	0.000444	0.002324
1313.1	0.001631	0.282379	0.000460	0.002409
1313.2	0.001688	0.282379	0.000477	0.002493
1313.3	0.001745	0.282380	0.000493	0.002578
1313.4	0.001803	0.282380	0.000509	0.002663
1313.5	0.001860	0.282381	0.000525	0.002747
1313.6	0.001917	0.282381	0.000541	0.002832
1313.7	0.001975	0.282382	0.000558	0.002917
1313.8	0.002032	0.282383	0.000574	0.003001
1313.9	0.002089	0.282383	0.000590	0.003086
1314.0	0.002147	0.282384	0.000606	0.003171
1314.1	0.002204	0.282359	0.000622	0.003255

1314.2	0.002261	0.282335	0.000638	0.003339
1314.3	0.002318	0.282311	0.000655	0.003424
1314.4	0.002376	0.282286	0.000671	0.003508
1314.5	0.002433	0.282262	0.000687	0.003593
1314.6	0.002490	0.282237	0.000703	0.003677
1314.7	0.002548	0.282213	0.000719	0.003761
1314.8	0.002605	0.282189	0.000735	0.003845
1314.9	0.002662	0.282165	0.000751	0.003930
1315.0	0.002720	0.282141	0.000767	0.004014
1315.1	0.002777	0.282119	0.000783	0.004098
1315.2	0.002834	0.282098	0.000800	0.004183
1315.3	0.002892	0.282076	0.000816	0.004267
1315.4	0.002949	0.282055	0.000832	0.004351
1315.5	0.003006	0.282033	0.000848	0.004435
1315.6	0.003064	0.282012	0.000864	0.004520
1315.7	0.003121	0.281991	0.000880	0.004604
1315.8	0.003178	0.281970	0.000896	0.004688
1315.9	0.003236	0.281949	0.000912	0.004772
1316.0	0.003293	0.281927	0.000928	0.004856
1316.1	0.003350	0.282060	0.000945	0.004943
1316.2	0.003408	0.282192	0.000962	0.005030
1316.3	0.003465	0.282325	0.000978	0.005117
1316.4	0.003522	0.282457	0.000995	0.005204
1316.5	0.003580	0.282589	0.001012	0.005291
1316.6	0.003637	0.282722	0.001028	0.005379
1316.7	0.003694	0.282854	0.001045	0.005466
1316.8	0.003752	0.282987	0.001062	0.005554
1316.9	0.003809	0.283119	0.001078	0.005641
1317.0	0.003866	0.283251	0.001095	0.005728
1317.1	0.003924	0.283385	0.001112	0.005816
1317.2	0.003981	0.283519	0.001129	0.005904
1317.3	0.004038	0.283653	0.001145	0.005992
1317.4	0.004096	0.283787	0.001162	0.006080
1317.5	0.004153	0.283921	0.001179	0.006168
1317.6	0.004210	0.284055	0.001196	0.006256
1317.7	0.004267	0.284189	0.001213	0.006344
1317.8	0.004325	0.284323	0.001230	0.006432
1317.9	0.004382	0.284457	0.001247	0.006521
1318.0	0.004439	0.284591	0.001263	0.006609
1318.1	0.004497	0.284659	0.001280	0.006696
1318.2	0.004554	0.284728	0.001297	0.006783
1318.3	0.004612	0.284796	0.001313	0.006870
1318.4	0.004669	0.284865	0.001330	0.006957

1318.5	0.004726	0.284933	0.001347	0.007044
1318.6	0.004783	0.285001	0.001363	0.007131
1318.7	0.004841	0.285069	0.001380	0.007219
1318.8	0.004898	0.285138	0.001397	0.007306
1318.9	0.004955	0.285206	0.001413	0.007393
1319.0	0.005013	0.285274	0.001430	0.007480
1319.1	0.005070	0.285336	0.001447	0.007568
1319.2	0.005127	0.285399	0.001463	0.007655
1319.3	0.005185	0.285461	0.001480	0.007742
1319.4	0.005242	0.285523	0.001497	0.007829
1319.5	0.005299	0.285585	0.001513	0.007917
1319.6	0.005357	0.285647	0.001530	0.008004
1319.7	0.005414	0.285709	0.001547	0.008091
1319.8	0.005471	0.285771	0.001564	0.008179
1319.9	0.005529	0.285834	0.001580	0.008266
1320.0	0.005586	0.285896	0.001597	0.008354
1320.1	0.005643	0.285962	0.001614	0.008442
1320.2	0.005701	0.286029	0.001631	0.008529
1320.3	0.005758	0.286096	0.001647	0.008617
1320.4	0.005815	0.286162	0.001664	0.008705
1320.5	0.005873	0.286229	0.001681	0.008793
1320.6	0.005930	0.286295	0.001698	0.008881
1320.7	0.005987	0.286361	0.001715	0.008969
1320.8	0.006045	0.286428	0.001731	0.009057
1320.9	0.006102	0.286494	0.001748	0.009145
1321.0	0.006159	0.286560	0.001765	0.009233
1321.1	0.006217	0.286628	0.001782	0.009321
1321.2	0.006274	0.286695	0.001799	0.009409
1321.3	0.006331	0.286762	0.001816	0.009497
1321.4	0.006389	0.286829	0.001832	0.009585
1321.5	0.006446	0.286896	0.001849	0.009674
1321.6	0.006503	0.286963	0.001866	0.009762
1321.7	0.006561	0.287030	0.001883	0.009850
1321.8	0.006618	0.287097	0.001900	0.009939
1321.9	0.006675	0.287164	0.001917	0.010027
1322.0	0.006732	0.287231	0.001934	0.010116
1322.1	0.006790	0.287252	0.001950	0.010202
1322.2	0.006847	0.287274	0.001967	0.010289
1322.3	0.006905	0.287295	0.001984	0.010376
1322.4	0.006962	0.287316	0.002000	0.010463
1322.5	0.007019	0.287337	0.002017	0.010550
1322.6	0.007076	0.287358	0.002033	0.010637
1322.7	0.007134	0.287379	0.002050	0.010724

1322.8	0.007191	0.287400	0.002067	0.010811
1322.9	0.007248	0.287421	0.002083	0.010898
1323.0	0.007306	0.287442	0.002100	0.010985
1323.1	0.007363	0.287463	0.002117	0.011072
1323.2	0.007420	0.287484	0.002133	0.011159
1323.3	0.007478	0.287505	0.002150	0.011246
1323.4	0.007535	0.287526	0.002167	0.011333
1323.5	0.007592	0.287547	0.002183	0.011420
1323.6	0.007650	0.287568	0.002200	0.011507
1323.7	0.007707	0.287589	0.002216	0.011594
1323.8	0.007764	0.287610	0.002233	0.011681
1323.9	0.007822	0.287631	0.002250	0.011769
1324.0	0.007879	0.287652	0.002266	0.011856
1324.1	0.007936	0.287728	0.002283	0.011945
1324.2	0.007994	0.287804	0.002301	0.012034
1324.3	0.008051	0.287881	0.002318	0.012124
1324.4	0.008108	0.287957	0.002335	0.012214
1324.5	0.008166	0.288034	0.002352	0.012303
1324.6	0.008223	0.288110	0.002369	0.012393
1324.7	0.008280	0.288186	0.002386	0.012483
1324.8	0.008338	0.288263	0.002403	0.012572
1324.9	0.008395	0.288339	0.002421	0.012662
1325.0	0.008452	0.288415	0.002438	0.012752
1325.1	0.008510	0.288491	0.002455	0.012842
1325.2	0.008567	0.288567	0.002472	0.012932
1325.3	0.008624	0.288642	0.002489	0.013022
1325.4	0.008682	0.288718	0.002507	0.013112
1325.5	0.008739	0.288794	0.002524	0.013202
1325.6	0.008796	0.288870	0.002541	0.013292
1325.7	0.008854	0.288946	0.002558	0.013382
1325.8	0.008911	0.289021	0.002575	0.013472
1325.9	0.008968	0.289097	0.002593	0.013562
1326.0	0.009026	0.289173	0.002610	0.013653
1326.1	0.009083	0.289267	0.002627	0.013744
1326.2	0.009140	0.289360	0.002645	0.013835
1326.3	0.009198	0.289454	0.002662	0.013926
1326.4	0.009255	0.289548	0.002680	0.014018
1326.5	0.009312	0.289641	0.002697	0.014109
1326.6	0.009369	0.289735	0.002715	0.014200
1326.7	0.009427	0.289829	0.002732	0.014292
1326.8	0.009484	0.289923	0.002750	0.014383
1326.9	0.009541	0.290017	0.002767	0.014475
1327.0	0.009599	0.290110	0.002785	0.014567

1327.1	0.009656	0.290206	0.002802	0.014659
1327.2	0.009713	0.290301	0.002820	0.014750
1327.3	0.009771	0.290397	0.002837	0.014842
1327.4	0.009828	0.290492	0.002855	0.014934
1327.5	0.009885	0.290588	0.002873	0.015026
1327.6	0.009943	0.290684	0.002890	0.015119
1327.7	0.010000	0.290779	0.002908	0.015211
1327.8	0.009954	0.290875	0.002895	0.015146
1327.9	0.009917	0.290971	0.002885	0.015094
1328.0	0.009897	0.291067	0.002881	0.015068
1328.1	0.009905	0.291112	0.002884	0.015084
1328.2	0.009952	0.291158	0.002898	0.015157
1328.3	0.010047	0.291204	0.002926	0.015304
1328.4	0.010200	0.291249	0.002971	0.015540
1328.5	0.010419	0.291295	0.003035	0.015876
1328.6	0.010702	0.291341	0.003118	0.016310
1328.7	0.011044	0.291387	0.003218	0.016834
1328.8	0.011441	0.291433	0.003334	0.017442
1328.9	0.011887	0.291479	0.003465	0.018124
1329.0	0.012378	0.291525	0.003608	0.018876
1329.1	0.012910	0.291572	0.003764	0.019690
1329.2	0.013477	0.291618	0.003930	0.020559
1329.3	0.014075	0.291665	0.004105	0.021474
1329.4	0.014700	0.291712	0.004288	0.022431
1329.5	0.015347	0.291759	0.004478	0.023422
1329.6	0.016018	0.291806	0.004674	0.024450
1329.7	0.016713	0.291853	0.004878	0.025515
1329.8	0.017434	0.291900	0.005089	0.026620
1329.9	0.018184	0.291946	0.005309	0.027770
1330.0	0.018962	0.291993	0.005537	0.028963
1330.1	0.019772	0.292071	0.005775	0.030208
1330.2	0.020613	0.292150	0.006022	0.031502
1330.3	0.021489	0.292228	0.006280	0.032849
1330.4	0.022400	0.292306	0.006548	0.034251
1330.5	0.023348	0.292384	0.006827	0.035710
1330.6	0.024332	0.292462	0.007116	0.037225
1330.7	0.025353	0.292540	0.007417	0.038797
1330.8	0.026410	0.292618	0.007728	0.040425
1330.9	0.027503	0.292696	0.008050	0.042110
1331.0	0.028632	0.292774	0.008383	0.043850
1331.1	0.029797	0.292854	0.008726	0.045647
1331.2	0.030996	0.292934	0.009080	0.047496
1331.3	0.032231	0.293014	0.009444	0.049402

1331.4	0.033500	0.293093	0.009819	0.051361
1331.5	0.034804	0.293173	0.010204	0.053375
1331.6	0.036141	0.293253	0.010598	0.055440
1331.7	0.037513	0.293332	0.011004	0.057561
1331.8	0.038917	0.293412	0.011419	0.059731
1331.9	0.040353	0.293491	0.011843	0.061952
1332.0	0.041821	0.293571	0.012277	0.064223
1332.1	0.043320	0.293606	0.012719	0.066533
1332.2	0.044850	0.293641	0.013170	0.068891
1332.3	0.046410	0.293676	0.013629	0.071296
1332.4	0.048000	0.293711	0.014098	0.073747
1332.5	0.049619	0.293746	0.014575	0.076244
1332.6	0.051266	0.293781	0.015061	0.078784
1332.7	0.052941	0.293816	0.015555	0.081368
1332.8	0.054643	0.293851	0.016057	0.083994
1332.9	0.056372	0.293886	0.016567	0.086662
1333.0	0.058128	0.293921	0.017085	0.089372
1333.1	0.059909	0.293956	0.017611	0.092121
1333.2	0.061715	0.293990	0.018144	0.094909
1333.3	0.063545	0.294024	0.018684	0.097735
1333.4	0.065400	0.294058	0.019231	0.100599
1333.5	0.067278	0.294092	0.019786	0.103500
1333.6	0.069179	0.294126	0.020347	0.106437
1333.7	0.071103	0.294160	0.020916	0.109410
1333.8	0.073050	0.294194	0.021491	0.112419
1333.9	0.075020	0.294228	0.022073	0.115464
1334.0	0.077012	0.294262	0.022662	0.118544
1334.1	0.079026	0.294281	0.023256	0.121651
1334.2	0.081062	0.294300	0.023857	0.124793
1334.3	0.083120	0.294318	0.024464	0.127970
1334.4	0.085200	0.294337	0.025077	0.131180
1334.5	0.087301	0.294355	0.025697	0.134424
1334.6	0.089422	0.294374	0.026323	0.137698
1334.7	0.091561	0.294392	0.026955	0.141001
1334.8	0.093716	0.294410	0.027591	0.144328
1334.9	0.095886	0.294429	0.028232	0.147680
1335.0	0.098069	0.294448	0.028876	0.151051
1335.1	0.100260	0.294467	0.029523	0.154436
1335.2	0.102470	0.294487	0.030176	0.157851
1335.3	0.104680	0.294506	0.030829	0.161266
1335.4	0.106900	0.294526	0.031485	0.164697
1335.5	0.109120	0.294545	0.032141	0.168128
1335.6	0.111350	0.294564	0.032800	0.171576

1335.7	0.113580	0.294584	0.033459	0.175023
1335.8	0.115820	0.294603	0.034121	0.178487
1335.9	0.118060	0.294623	0.034783	0.181951
1336.0	0.120300	0.294642	0.035445	0.185415
1336.1	0.122550	0.294622	0.036106	0.188870
1336.2	0.124800	0.294601	0.036766	0.192324
1336.3	0.127050	0.294581	0.037426	0.195778
1336.4	0.129300	0.294560	0.038087	0.199231
1336.5	0.131550	0.294540	0.038747	0.202684
1336.6	0.133810	0.294519	0.039410	0.206152
1336.7	0.136080	0.294499	0.040075	0.209634
1336.8	0.138350	0.294478	0.040741	0.213117
1336.9	0.140630	0.294458	0.041410	0.216614
1337.0	0.142930	0.294438	0.042084	0.220142
1337.1	0.145240	0.294418	0.042761	0.223685
1337.2	0.147570	0.294399	0.043444	0.227258
1337.3	0.149930	0.294379	0.044136	0.230877
1337.4	0.152300	0.294360	0.044831	0.234511
1337.5	0.154700	0.294340	0.045534	0.238191
1337.6	0.157130	0.294321	0.046247	0.241916
1337.7	0.159580	0.294302	0.046965	0.245672
1337.8	0.162060	0.294282	0.047691	0.249474
1337.9	0.164570	0.294263	0.048427	0.253321
1338.0	0.167110	0.294244	0.049171	0.257214
1338.1	0.169690	0.294180	0.049919	0.261128
1338.2	0.172290	0.294116	0.050673	0.265072
1338.3	0.174930	0.294052	0.051439	0.269075
1338.4	0.177600	0.293988	0.052212	0.273123
1338.5	0.180310	0.293924	0.052998	0.277230
1338.6	0.183050	0.293861	0.053791	0.281382
1338.7	0.185850	0.293797	0.054602	0.285624
1338.8	0.188690	0.293734	0.055425	0.289926
1338.9	0.191590	0.293670	0.056264	0.294319
1339.0	0.194550	0.293607	0.057121	0.298801
1339.1	0.197570	0.293540	0.057995	0.303371
1339.2	0.200670	0.293474	0.058891	0.308061
1339.3	0.203840	0.293407	0.059808	0.312857
1339.4	0.207100	0.293341	0.060751	0.317788
1339.5	0.210440	0.293275	0.061717	0.322841
1339.6	0.213870	0.293209	0.062709	0.328029
1339.7	0.217390	0.293142	0.063726	0.333352
1339.8	0.221000	0.293076	0.064770	0.338811
1339.9	0.224710	0.293010	0.065842	0.344421

1340.0	0.228510	0.292944	0.066941	0.350166
1340.1	0.232410	0.292937	0.068081	0.356134
1340.2	0.236410	0.292930	0.069252	0.362255
1340.3	0.240500	0.292923	0.070448	0.368513
1340.4	0.244700	0.292915	0.071676	0.374939
1340.5	0.249000	0.292908	0.072934	0.381519
1340.6	0.253410	0.292901	0.074224	0.388266
1340.7	0.257920	0.292894	0.075543	0.395167
1340.8	0.262540	0.292887	0.076895	0.402236
1340.9	0.267270	0.292880	0.078278	0.409473
1341.0	0.272110	0.292873	0.079694	0.416878
1341.1	0.277060	0.292868	0.081142	0.424454
1341.2	0.282130	0.292863	0.082626	0.432214
1341.3	0.287310	0.292858	0.084141	0.440142
1341.4	0.292600	0.292853	0.085689	0.448239
1341.5	0.298010	0.292848	0.087272	0.456518
1341.6	0.303540	0.292843	0.088890	0.464982
1341.7	0.309180	0.292838	0.090540	0.473613
1341.8	0.314930	0.292833	0.092222	0.482413
1341.9	0.320790	0.292828	0.093936	0.491381
1342.0	0.326760	0.292823	0.095683	0.500516
1342.1	0.332840	0.292738	0.097435	0.509682
1342.2	0.339020	0.292653	0.099215	0.518995
1342.3	0.345310	0.292568	0.101027	0.528471
1342.4	0.351700	0.292483	0.102866	0.538094
1342.5	0.358190	0.292398	0.104734	0.547865
1342.6	0.364770	0.292314	0.106627	0.557767
1342.7	0.371430	0.292229	0.108543	0.567786
1342.8	0.378170	0.292144	0.110480	0.577922
1342.9	0.384970	0.292059	0.112434	0.588143
1343.0	0.391820	0.291975	0.114402	0.598435
1343.1	0.398720	0.291891	0.116383	0.608799
1343.2	0.405660	0.291808	0.118375	0.619219
1343.3	0.412620	0.291724	0.120371	0.629663
1343.4	0.419600	0.291641	0.122373	0.640131
1343.5	0.426590	0.291558	0.124376	0.650609
1343.6	0.433580	0.291474	0.126377	0.661080
1343.7	0.440550	0.291390	0.128372	0.671515
1343.8	0.447500	0.291307	0.130360	0.681913
1343.9	0.454420	0.291223	0.132338	0.692259
1344.0	0.461290	0.291140	0.134300	0.702523
1344.1	0.468100	0.291059	0.136245	0.712697
1344.2	0.474850	0.290979	0.138171	0.722773

1344.3	0.481520	0.290898	0.140073	0.732723
1344.4	0.488100	0.290817	0.141948	0.742529
1344.5	0.494580	0.290737	0.143792	0.752179
1344.6	0.500940	0.290656	0.145601	0.761641
1344.7	0.507170	0.290576	0.147371	0.770900
1344.8	0.513260	0.290495	0.149100	0.779941
1344.9	0.519180	0.290415	0.150778	0.788718
1345.0	0.524920	0.290334	0.152402	0.797217
1345.1	0.530470	0.290252	0.153970	0.805417
1345.2	0.535810	0.290170	0.155476	0.813294
1345.3	0.540930	0.290087	0.156917	0.820833
1345.4	0.545800	0.290005	0.158285	0.827988
1345.5	0.550420	0.289923	0.159579	0.834759
1345.6	0.554780	0.289840	0.160798	0.841133
1345.7	0.558890	0.289758	0.161943	0.847124
1345.8	0.562730	0.289676	0.163009	0.852703
1345.9	0.566320	0.289594	0.164003	0.857899
1346.0	0.569660	0.289512	0.164923	0.862713
1346.1	0.572730	0.289384	0.165739	0.866979
1346.2	0.575550	0.289256	0.166481	0.870863
1346.3	0.578100	0.289128	0.167145	0.874334
1346.4	0.580400	0.288999	0.167735	0.877424
1346.5	0.582440	0.288872	0.168250	0.880118
1346.6	0.584220	0.288744	0.168690	0.882418
1346.7	0.585740	0.288616	0.169054	0.884323
1346.8	0.586990	0.288489	0.169340	0.885819
1346.9	0.587990	0.288361	0.169554	0.886935
1347.0	0.588720	0.288234	0.169689	0.887643
1347.1	0.589190	0.288106	0.169749	0.887960
1347.2	0.589390	0.287979	0.169732	0.887870
1347.3	0.589330	0.287853	0.169640	0.887388
1347.4	0.589000	0.287726	0.169470	0.886500
1347.5	0.588410	0.287599	0.169226	0.885221
1347.6	0.587550	0.287472	0.168904	0.883537
1347.7	0.586460	0.287345	0.168516	0.881509
1347.8	0.585120	0.287218	0.168057	0.879107
1347.9	0.583550	0.287092	0.167532	0.876362
1348.0	0.581760	0.286965	0.166945	0.873288
1348.1	0.579760	0.286826	0.166290	0.869865
1348.2	0.577560	0.286688	0.165579	0.866146
1348.3	0.575170	0.286549	0.164814	0.862144
1348.4	0.572600	0.286411	0.163999	0.857878
1348.5	0.569850	0.286272	0.163132	0.853345

1348.6	0.566950	0.286134	0.162224	0.848592
1348.7	0.563890	0.285996	0.161270	0.843604
1348.8	0.560690	0.285857	0.160277	0.838410
1348.9	0.557350	0.285719	0.159245	0.833013
1349.0	0.553900	0.285581	0.158183	0.827456
1349.1	0.550340	0.285442	0.157090	0.821738
1349.2	0.546680	0.285303	0.155969	0.815875
1349.3	0.542930	0.285163	0.154824	0.809883
1349.4	0.539100	0.285024	0.153656	0.803777
1349.5	0.535200	0.284885	0.152470	0.797573
1349.6	0.531250	0.284746	0.151271	0.791300
1349.7	0.527250	0.284607	0.150059	0.784958
1349.8	0.523220	0.284468	0.148839	0.778578
1349.9	0.519160	0.284328	0.147612	0.772158
1350.0	0.515090	0.284189	0.146383	0.765730
1350.1	0.511020	0.284073	0.145167	0.759369
1350.2	0.506960	0.283957	0.143955	0.753027
1350.3	0.502910	0.283840	0.142746	0.746706
1350.4	0.498900	0.283724	0.141550	0.740448
1350.5	0.494930	0.283608	0.140366	0.734255
1350.6	0.491000	0.283492	0.139194	0.728126
1350.7	0.487130	0.283375	0.138041	0.722091
1350.8	0.483320	0.283259	0.136905	0.716150
1350.9	0.479570	0.283143	0.135787	0.710302
1351.0	0.475900	0.283027	0.134693	0.704577
1351.1	0.472290	0.282910	0.133616	0.698944
1351.2	0.468770	0.282794	0.132565	0.693449
1351.3	0.465340	0.282677	0.131541	0.688092
1351.4	0.462000	0.282561	0.130543	0.682872
1351.5	0.458760	0.282444	0.129574	0.677803
1351.6	0.455620	0.282328	0.128634	0.672886
1351.7	0.452580	0.282211	0.127723	0.668120
1351.8	0.449640	0.282095	0.126841	0.663505
1351.9	0.446810	0.281978	0.125991	0.659057
1352.0	0.444080	0.281861	0.125169	0.654759
1352.1	0.441470	0.281728	0.124375	0.650604
1352.2	0.438970	0.281596	0.123612	0.646615
1352.3	0.436580	0.281463	0.122881	0.642792
1352.4	0.434300	0.281331	0.122182	0.639133
1352.5	0.432140	0.281198	0.121517	0.635655
1352.6	0.430100	0.281065	0.120886	0.632355
1352.7	0.428170	0.280933	0.120287	0.629221
1352.8	0.426370	0.280800	0.119725	0.626280

1352.9	0.424680	0.280667	0.119194	0.623503
1353.0	0.423120	0.280534	0.118700	0.620918
1353.1	0.421680	0.280403	0.118240	0.618515
1353.2	0.420360	0.280271	0.117815	0.616289
1353.3	0.419170	0.280139	0.117426	0.614255
1353.4	0.418100	0.280007	0.117071	0.612398
1353.5	0.417160	0.279875	0.116753	0.610734
1353.6	0.416340	0.279743	0.116468	0.609246
1353.7	0.415650	0.279611	0.116220	0.607949
1353.8	0.415070	0.279479	0.116003	0.606813
1353.9	0.414610	0.279346	0.115820	0.605854
1354.0	0.414270	0.279214	0.115670	0.605070
1354.1	0.414040	0.279115	0.115565	0.604520
1354.2	0.413920	0.279016	0.115490	0.604130
1354.3	0.413910	0.278917	0.115447	0.603901
1354.4	0.414000	0.278818	0.115431	0.603818
1354.5	0.414200	0.278719	0.115445	0.603894
1354.6	0.414500	0.278619	0.115488	0.604116
1354.7	0.414900	0.278520	0.115558	0.604483
1354.8	0.415400	0.278420	0.115656	0.604996
1354.9	0.416000	0.278321	0.115782	0.605654
1355.0	0.416710	0.278222	0.115938	0.606471
1355.1	0.417510	0.278124	0.116119	0.607421
1355.2	0.418410	0.278025	0.116329	0.608515
1355.3	0.419410	0.277927	0.116565	0.609753
1355.4	0.420500	0.277829	0.116827	0.611122
1355.5	0.421690	0.277730	0.117116	0.612634
1355.6	0.422970	0.277632	0.117430	0.614276
1355.7	0.424350	0.277534	0.117771	0.616062
1355.8	0.425820	0.277435	0.118137	0.617977
1355.9	0.427370	0.277337	0.118525	0.620006
1356.0	0.429010	0.277238	0.118938	0.622165
1356.1	0.430740	0.277102	0.119359	0.624367
1356.2	0.432550	0.276966	0.119802	0.626682
1356.3	0.434430	0.276830	0.120263	0.629097
1356.4	0.436400	0.276694	0.120749	0.631639
1356.5	0.438440	0.276558	0.121254	0.634280
1356.6	0.440560	0.276422	0.121781	0.637034
1356.7	0.442750	0.276286	0.122326	0.639886
1356.8	0.445010	0.276150	0.122890	0.642835
1356.9	0.447340	0.276014	0.123472	0.645883
1357.0	0.449740	0.275878	0.124074	0.649029
1357.1	0.452210	0.275744	0.124694	0.652276

1357.2	0.454740	0.275610	0.125331	0.655606
1357.3	0.457340	0.275476	0.125986	0.659034
1357.4	0.460000	0.275342	0.126657	0.662545
1357.5	0.462720	0.275208	0.127344	0.666138
1357.6	0.465500	0.275074	0.128047	0.669814
1357.7	0.468320	0.274940	0.128760	0.673543
1357.8	0.471200	0.274806	0.129489	0.677356
1357.9	0.474130	0.274673	0.130231	0.681236
1358.0	0.477090	0.274539	0.130980	0.685156
1358.1	0.480100	0.274427	0.131752	0.689197
1358.2	0.483140	0.274315	0.132532	0.693277
1358.3	0.486200	0.274202	0.133317	0.697383
1358.4	0.489300	0.274090	0.134112	0.701542
1358.5	0.492420	0.273978	0.134912	0.705727
1358.6	0.495560	0.273867	0.135717	0.709937
1358.7	0.498720	0.273755	0.136527	0.714173
1358.8	0.501910	0.273643	0.137344	0.718448
1358.9	0.505120	0.273532	0.138166	0.722748
1359.0	0.508350	0.273420	0.138993	0.727073
1359.1	0.511610	0.273309	0.139828	0.731438
1359.2	0.514880	0.273198	0.140664	0.735814
1359.3	0.518180	0.273087	0.141508	0.740229
1359.4	0.521500	0.272976	0.142357	0.744668
1359.5	0.524840	0.272865	0.143210	0.749133
1359.6	0.528200	0.272754	0.144069	0.753624
1359.7	0.531570	0.272644	0.144929	0.758124
1359.8	0.534960	0.272533	0.145794	0.762650
1359.9	0.538350	0.272423	0.146659	0.767172
1360.0	0.541750	0.272313	0.147525	0.771705
1360.1	0.545140	0.272185	0.148379	0.776169
1360.2	0.548540	0.272057	0.149234	0.780643
1360.3	0.551920	0.271929	0.150083	0.785085
1360.4	0.555300	0.271801	0.150931	0.789522
1360.5	0.558660	0.271674	0.151773	0.793927
1360.6	0.562010	0.271547	0.152612	0.798313
1360.7	0.565340	0.271419	0.153444	0.802667
1360.8	0.568660	0.271292	0.154273	0.807002
1360.9	0.571950	0.271165	0.155093	0.811291
1361.0	0.575230	0.271038	0.155909	0.815560
1361.1	0.578480	0.270912	0.156717	0.819789
1361.2	0.581710	0.270787	0.157520	0.823986
1361.3	0.584920	0.270662	0.158316	0.828151
1361.4	0.588100	0.270538	0.159103	0.832269

1361.5	0.591250	0.270413	0.159881	0.836340
1361.6	0.594380	0.270288	0.160654	0.840380
1361.7	0.597480	0.270163	0.161417	0.844373
1361.8	0.600550	0.270038	0.162172	0.848320
1361.9	0.603590	0.269914	0.162917	0.852220
1362.0	0.606590	0.269789	0.163651	0.856061
1362.1	0.609570	0.269729	0.164418	0.860073
1362.2	0.612510	0.269668	0.165174	0.864028
1362.3	0.615420	0.269608	0.165922	0.867938
1362.4	0.618300	0.269547	0.166661	0.871804
1362.5	0.621140	0.269487	0.167389	0.875612
1362.6	0.623950	0.269426	0.168109	0.879376
1362.7	0.626720	0.269366	0.168817	0.883082
1362.8	0.629450	0.269305	0.169514	0.886729
1362.9	0.632150	0.269245	0.170203	0.890333
1363.0	0.634810	0.269185	0.170881	0.893880
1363.1	0.637440	0.269126	0.171552	0.897386
1363.2	0.640030	0.269067	0.172211	0.900835
1363.3	0.642580	0.269007	0.172859	0.904225
1363.4	0.645100	0.268948	0.173498	0.907571
1363.5	0.647580	0.268889	0.174127	0.910859
1363.6	0.650020	0.268830	0.174745	0.914089
1363.7	0.652430	0.268770	0.175354	0.917276
1363.8	0.654800	0.268711	0.175952	0.920405
1363.9	0.657140	0.268652	0.176542	0.923490
1364.0	0.659440	0.268592	0.177120	0.926517
1364.1	0.661700	0.268514	0.177676	0.929422
1364.2	0.663940	0.268436	0.178225	0.932296
1364.3	0.666140	0.268357	0.178763	0.935112
1364.4	0.668300	0.268279	0.179291	0.937870
1364.5	0.670430	0.268200	0.179810	0.940585
1364.6	0.672530	0.268122	0.180320	0.943255
1364.7	0.674600	0.268044	0.180822	0.945881
1364.8	0.676630	0.267965	0.181313	0.948449
1364.9	0.678630	0.267886	0.181796	0.950973
1365.0	0.680590	0.267808	0.182267	0.953440
1365.1	0.682520	0.267727	0.182729	0.955857
1365.2	0.684410	0.267647	0.183180	0.958216
1365.3	0.686270	0.267566	0.183623	0.960531
1365.4	0.688100	0.267486	0.184057	0.962803
1365.5	0.689890	0.267405	0.184480	0.965017
1365.6	0.691640	0.267325	0.184893	0.967174
1365.7	0.693360	0.267245	0.185297	0.969287

1365.8	0.695040	0.267164	0.185690	0.971344
1365.9	0.696670	0.267084	0.186069	0.973329
1366.0	0.698270	0.267003	0.186440	0.975270
1366.1	0.699820	0.266947	0.186815	0.977230
1366.2	0.701330	0.266891	0.187179	0.979133
1366.3	0.702790	0.266835	0.187529	0.980965
1366.4	0.704200	0.266779	0.187866	0.982727
1366.5	0.705560	0.266723	0.188189	0.984419
1366.6	0.706880	0.266667	0.188502	0.986053
1366.7	0.708140	0.266611	0.188798	0.987603
1366.8	0.709340	0.266555	0.189078	0.989069
1366.9	0.710490	0.266500	0.189345	0.990465
1367.0	0.711580	0.266444	0.189596	0.991777
1367.1	0.712610	0.266388	0.189831	0.993007
1367.2	0.713570	0.266333	0.190047	0.994139
1367.3	0.714470	0.266278	0.190248	0.995187
1367.4	0.715300	0.266223	0.190430	0.996137
1367.5	0.716060	0.266168	0.190593	0.996990
1367.6	0.716750	0.266114	0.190737	0.997745
1367.7	0.717360	0.266059	0.190860	0.998389
1367.8	0.717890	0.266004	0.190962	0.998922
1367.9	0.718340	0.265950	0.191042	0.999343
1368.0	0.718710	0.265895	0.191102	0.999653
1368.1	0.719000	0.265853	0.191148	0.999896
1368.2	0.719190	0.265810	0.191168	1.000000
1368.3	0.719290	0.265768	0.191164	0.999979
1368.4	0.719300	0.265725	0.191136	0.999833
1368.5	0.719210	0.265683	0.191082	0.999549
1368.6	0.719030	0.265640	0.191003	0.999139
1368.7	0.718740	0.265598	0.190896	0.998577
1368.8	0.718360	0.265556	0.190765	0.997891
1368.9	0.717880	0.265514	0.190607	0.997066
1369.0	0.717300	0.265472	0.190423	0.996102
1369.1	0.716630	0.265431	0.190216	0.995018
1369.2	0.715850	0.265390	0.189979	0.993782
1369.3	0.714970	0.265349	0.189717	0.992408
1369.4	0.714000	0.265309	0.189430	0.990910
1369.5	0.712930	0.265268	0.189117	0.989274
1369.6	0.711750	0.265227	0.188776	0.987485
1369.7	0.710470	0.265187	0.188407	0.985559
1369.8	0.709080	0.265146	0.188010	0.983480
1369.9	0.707580	0.265106	0.187584	0.981250
1370.0	0.705980	0.265065	0.187131	0.978882

1370.1	0.704260	0.265052	0.186665	0.976446
1370.2	0.702420	0.265038	0.186168	0.973844
1370.3	0.700470	0.265024	0.185641	0.971090
1370.4	0.698400	0.265010	0.185083	0.968170
1370.5	0.696210	0.264997	0.184493	0.965085
1370.6	0.693900	0.264983	0.183872	0.961834
1370.7	0.691460	0.264969	0.183216	0.958402
1370.8	0.688910	0.264956	0.182531	0.954818
1370.9	0.686250	0.264942	0.181816	0.951082
1371.0	0.683460	0.264928	0.181068	0.947167
1371.1	0.680570	0.264912	0.180291	0.943103
1371.2	0.677560	0.264895	0.179483	0.938874
1371.3	0.674430	0.264879	0.178642	0.934478
1371.4	0.671200	0.264862	0.177776	0.929945
1371.5	0.667860	0.264846	0.176880	0.925259
1371.6	0.664410	0.264829	0.175955	0.920423
1371.7	0.660860	0.264813	0.175004	0.915448
1371.8	0.657210	0.264796	0.174027	0.910335
1371.9	0.653480	0.264780	0.173028	0.905112
1372.0	0.649660	0.264764	0.172006	0.899765
1372.1	0.645750	0.264754	0.170965	0.894317
1372.2	0.641770	0.264744	0.169905	0.888773
1372.3	0.637720	0.264735	0.168827	0.883132
1372.4	0.633600	0.264725	0.167730	0.877394
1372.5	0.629420	0.264715	0.166617	0.871574
1372.6	0.625180	0.264706	0.165489	0.865672
1372.7	0.620880	0.264696	0.164345	0.859687
1372.8	0.616530	0.264687	0.163187	0.853633
1372.9	0.612140	0.264677	0.162020	0.847524
1373.0	0.607700	0.264668	0.160839	0.841347
1373.1	0.603220	0.264658	0.159647	0.835115
1373.2	0.598710	0.264649	0.158448	0.828843
1373.3	0.594170	0.264640	0.157241	0.822529
1373.4	0.589600	0.264631	0.156026	0.816174
1373.5	0.585010	0.264619	0.154805	0.809785
1373.6	0.580400	0.264608	0.153578	0.803369
1373.7	0.575770	0.264597	0.152347	0.796927
1373.8	0.571140	0.264585	0.151115	0.790485
1373.9	0.566500	0.264574	0.149881	0.784030
1374.0	0.561860	0.264563	0.148648	0.777576
1374.1	0.557220	0.264568	0.147423	0.771168
1374.2	0.552600	0.264573	0.146203	0.764789
1374.3	0.547990	0.264578	0.144986	0.758423

1374.4	0.543400	0.264583	0.143774	0.752085
1374.5	0.538830	0.264588	0.142568	0.745774
1374.6	0.534290	0.264593	0.141370	0.739505
1374.7	0.529760	0.264599	0.140174	0.733250
1374.8	0.525260	0.264604	0.138986	0.727037
1374.9	0.520780	0.264610	0.137804	0.720851
1375.0	0.516310	0.264616	0.136624	0.714679
1375.1	0.511860	0.264624	0.135451	0.708542
1375.2	0.507430	0.264633	0.134283	0.702433
1375.3	0.503010	0.264641	0.133117	0.696337
1375.4	0.498600	0.264650	0.131955	0.690254
1375.5	0.494210	0.264659	0.130797	0.684200
1375.6	0.489830	0.264668	0.129642	0.678158
1375.7	0.485470	0.264676	0.128492	0.672144
1375.8	0.481130	0.264685	0.127348	0.666158
1375.9	0.476820	0.264694	0.126212	0.660213
1376.0	0.472550	0.264703	0.125086	0.654323
1376.1	0.468300	0.264736	0.123976	0.648519
1376.2	0.464090	0.264769	0.122877	0.642769
1376.3	0.459920	0.264802	0.121788	0.637073
1376.4	0.455800	0.264835	0.120712	0.631444
1376.5	0.451720	0.264868	0.119646	0.625870
1376.6	0.447690	0.264902	0.118594	0.620364
1376.7	0.443700	0.264935	0.117552	0.614912
1376.8	0.439740	0.264968	0.116517	0.609500
1376.9	0.435810	0.265001	0.115490	0.604128
1377.0	0.431910	0.265034	0.114471	0.598797
1377.1	0.428040	0.265067	0.113459	0.593506
1377.2	0.424180	0.265101	0.112450	0.588228
1377.3	0.420330	0.265134	0.111444	0.582963
1377.4	0.416500	0.265168	0.110442	0.577724
1377.5	0.412670	0.265201	0.109441	0.572484
1377.6	0.408850	0.265234	0.108441	0.567255
1377.7	0.405030	0.265268	0.107441	0.562026
1377.8	0.401220	0.265301	0.106444	0.556810
1377.9	0.397410	0.265335	0.105447	0.551591
1378.0	0.393600	0.265368	0.104449	0.546372
1378.1	0.389800	0.265405	0.103455	0.541173
1378.2	0.386000	0.265443	0.102461	0.535973
1378.3	0.382200	0.265480	0.101467	0.530772
1378.4	0.378400	0.265518	0.100472	0.525568
1378.5	0.374600	0.265555	0.099477	0.520363
1378.6	0.370800	0.265592	0.098481	0.515157

1378.7	0.366990	0.265629	0.097483	0.509935
1378.8	0.363170	0.265666	0.096482	0.504697
1378.9	0.359330	0.265703	0.095475	0.499430
1379.0	0.355480	0.265740	0.094465	0.494148
1379.1	0.351600	0.265775	0.093446	0.488818
1379.2	0.347700	0.265809	0.092422	0.483459
1379.3	0.343770	0.265843	0.091389	0.478056
1379.4	0.339800	0.265877	0.090345	0.472595
1379.5	0.335800	0.265911	0.089293	0.467092
1379.6	0.331760	0.265945	0.088230	0.461531
1379.7	0.327700	0.265979	0.087161	0.455942
1379.8	0.323600	0.266013	0.086082	0.450294
1379.9	0.319480	0.266046	0.084997	0.444617
1380.0	0.315340	0.266080	0.083906	0.438910
1380.1	0.311180	0.266141	0.082818	0.433220
1380.2	0.307000	0.266202	0.081724	0.427498
1380.3	0.302800	0.266263	0.080624	0.421746
1380.4	0.298600	0.266324	0.079524	0.415991
1380.5	0.294390	0.266384	0.078421	0.410220
1380.6	0.290170	0.266445	0.077314	0.404431
1380.7	0.285930	0.266505	0.076202	0.398611
1380.8	0.281690	0.266565	0.075089	0.392789
1380.9	0.277430	0.266625	0.073970	0.386936
1381.0	0.273160	0.266684	0.072848	0.381066
1381.1	0.268870	0.266745	0.071720	0.375166
1381.2	0.264570	0.266806	0.070589	0.369251
1381.3	0.260240	0.266867	0.069449	0.363290
1381.4	0.255900	0.266927	0.068307	0.357313
1381.5	0.251540	0.266988	0.067158	0.351304
1381.6	0.247150	0.267048	0.066001	0.345251
1381.7	0.242760	0.267108	0.064843	0.339195
1381.8	0.238350	0.267168	0.063680	0.333108
1381.9	0.233940	0.267228	0.062515	0.327018
1382.0	0.229520	0.267288	0.061348	0.320911
1382.1	0.225100	0.267328	0.060176	0.314779
1382.2	0.220690	0.267369	0.059006	0.308659
1382.3	0.216290	0.267409	0.057838	0.302551
1382.4	0.211900	0.267450	0.056673	0.296455
1382.5	0.207530	0.267490	0.055512	0.290385
1382.6	0.203170	0.267530	0.054354	0.284326
1382.7	0.198840	0.267570	0.053204	0.278308
1382.8	0.194540	0.267610	0.052061	0.272331
1382.9	0.190260	0.267650	0.050923	0.266379

1383.0	0.186030	0.267690	0.049798	0.260495
1383.1	0.181830	0.267731	0.048682	0.254653
1383.2	0.177670	0.267772	0.047575	0.248866
1383.3	0.173560	0.267814	0.046482	0.243146
1383.4	0.169500	0.267855	0.045401	0.237495
1383.5	0.165490	0.267896	0.044334	0.231912
1383.6	0.161540	0.267937	0.043283	0.226411
1383.7	0.157650	0.267978	0.042247	0.220993
1383.8	0.153810	0.268019	0.041224	0.215643
1383.9	0.150020	0.268059	0.040214	0.210361
1384.0	0.146300	0.268100	0.039223	0.205176
1384.1	0.142640	0.268109	0.038243	0.200049
1384.2	0.139030	0.268117	0.037276	0.194993
1384.3	0.135480	0.268126	0.036326	0.190020
1384.4	0.132000	0.268135	0.035394	0.185145
1384.5	0.128580	0.268143	0.034478	0.180354
1384.6	0.125220	0.268151	0.033578	0.175646
1384.7	0.121920	0.268160	0.032694	0.171023
1384.8	0.118670	0.268168	0.031824	0.166469
1384.9	0.115490	0.268176	0.030972	0.162013
1385.0	0.112360	0.268185	0.030133	0.157627
1385.1	0.109290	0.268191	0.029311	0.153324
1385.2	0.106270	0.268197	0.028501	0.149090
1385.3	0.103310	0.268203	0.027708	0.144941
1385.4	0.100400	0.268209	0.026928	0.140861
1385.5	0.097542	0.268215	0.026162	0.136855
1385.6	0.094737	0.268221	0.025410	0.132922
1385.7	0.091985	0.268227	0.024673	0.129064
1385.8	0.089288	0.268233	0.023950	0.125283
1385.9	0.086647	0.268239	0.023242	0.121580
1386.0	0.084061	0.268245	0.022549	0.117954
1386.1	0.081533	0.268254	0.021872	0.114410
1386.2	0.079063	0.268263	0.021210	0.110948
1386.3	0.076651	0.268272	0.020563	0.107567
1386.4	0.074300	0.268281	0.019933	0.104271
1386.5	0.072009	0.268290	0.019319	0.101059
1386.6	0.069779	0.268299	0.018722	0.097933
1386.7	0.067609	0.268308	0.018140	0.094891
1386.8	0.065499	0.268317	0.017574	0.091932
1386.9	0.063450	0.268326	0.017025	0.089059
1387.0	0.061460	0.268335	0.016492	0.086269
1387.1	0.059531	0.268341	0.015975	0.083563
1387.2	0.057661	0.268348	0.015473	0.080940

1387.3	0.055851	0.268354	0.014988	0.078401
1387.4	0.054100	0.268360	0.014518	0.075945
1387.5	0.052408	0.268367	0.014065	0.073572
1387.6	0.050774	0.268373	0.013626	0.071280
1387.7	0.049194	0.268380	0.013203	0.069063
1387.8	0.047667	0.268387	0.012793	0.066921
1387.9	0.046191	0.268393	0.012397	0.064851
1388.0	0.044764	0.268400	0.012015	0.062849
1388.1	0.043384	0.268418	0.011645	0.060915
1388.2	0.042048	0.268435	0.011287	0.059043
1388.3	0.040754	0.268453	0.010941	0.057230
1388.4	0.039500	0.268471	0.010605	0.055473
1388.5	0.038285	0.268489	0.010279	0.053770
1388.6	0.037108	0.268507	0.009964	0.052120
1388.7	0.035970	0.268524	0.009659	0.050525
1388.8	0.034870	0.268542	0.009364	0.048983
1388.9	0.033809	0.268559	0.009080	0.047496
1389.0	0.032788	0.268577	0.008806	0.046065
1389.1	0.031806	0.268594	0.008543	0.044688
1389.2	0.030864	0.268611	0.008290	0.043367
1389.3	0.029962	0.268628	0.008049	0.042102
1389.4	0.029100	0.268646	0.007818	0.040894
1389.5	0.028278	0.268663	0.007597	0.039741
1389.6	0.027495	0.268680	0.007387	0.038643
1389.7	0.026748	0.268697	0.007187	0.037596
1389.8	0.026037	0.268714	0.006997	0.036599
1389.9	0.025359	0.268731	0.006815	0.035648
1390.0	0.024712	0.268748	0.006641	0.034741
1390.1	0.024094	0.268750	0.006475	0.033872
1390.2	0.023504	0.268753	0.006317	0.033043
1390.3	0.022940	0.268755	0.006165	0.032250
1390.4	0.022400	0.268757	0.006020	0.031492
1390.5	0.021882	0.268760	0.005881	0.030764
1390.6	0.021386	0.268762	0.005748	0.030066
1390.7	0.020910	0.268764	0.005620	0.029397
1390.8	0.020455	0.268766	0.005498	0.028758
1390.9	0.020019	0.268769	0.005380	0.028145
1391.0	0.019601	0.268771	0.005268	0.027558
1391.1	0.019201	0.268775	0.005161	0.026996
1391.2	0.018818	0.268780	0.005058	0.026458
1391.3	0.018451	0.268784	0.004959	0.025942
1391.4	0.018100	0.268789	0.004865	0.025449
1391.5	0.017763	0.268793	0.004775	0.024976

1391.6	0.017439	0.268797	0.004688	0.024521
1391.7	0.017125	0.268802	0.004603	0.024080
1391.8	0.016819	0.268806	0.004521	0.023650
1391.9	0.016517	0.268810	0.004440	0.023225
1392.0	0.016218	0.268815	0.004360	0.022805
1392.1	0.015919	0.268810	0.004279	0.022384
1392.2	0.015618	0.268805	0.004198	0.021961
1392.3	0.015313	0.268801	0.004116	0.021532
1392.4	0.015000	0.268796	0.004032	0.021091
1392.5	0.014679	0.268791	0.003946	0.020639
1392.6	0.014351	0.268787	0.003857	0.020178
1392.7	0.014020	0.268782	0.003768	0.019712
1392.8	0.013690	0.268778	0.003680	0.019248
1392.9	0.013363	0.268774	0.003592	0.018788
1393.0	0.013043	0.268770	0.003506	0.018338
1393.1	0.012734	0.268765	0.003422	0.017903
1393.2	0.012438	0.268760	0.003343	0.017486
1393.3	0.012159	0.268755	0.003268	0.017094
1393.4	0.011900	0.268751	0.003198	0.016729
1393.5	0.011664	0.268746	0.003135	0.016397
1393.6	0.011449	0.268741	0.003077	0.016095
1393.7	0.011255	0.268737	0.003025	0.015822
1393.8	0.011080	0.268733	0.002978	0.015576
1393.9	0.010922	0.268729	0.002935	0.015353
1394.0	0.010779	0.268724	0.002897	0.015152
1394.1	0.010650	0.268719	0.002862	0.014970
1394.2	0.010533	0.268714	0.002830	0.014806
1394.3	0.010427	0.268709	0.002802	0.014656
1394.4	0.010330	0.268704	0.002776	0.014520
1394.5	0.010240	0.268698	0.002751	0.014393
1394.6	0.010156	0.268694	0.002729	0.014275
1394.7	0.010077	0.268689	0.002708	0.014163
1394.8	0.010000	0.268684	0.002687	0.014055
1394.9	0.009948	0.268680	0.002673	0.013981
1395.0	0.009895	0.268676	0.002659	0.013907
1395.1	0.009843	0.268673	0.002645	0.013834
1395.2	0.009791	0.268670	0.002630	0.013760
1395.3	0.009738	0.268666	0.002616	0.013686
1395.4	0.009686	0.268664	0.002602	0.013613
1395.5	0.009634	0.268661	0.002588	0.013539
1395.6	0.009581	0.268659	0.002574	0.013465
1395.7	0.009529	0.268656	0.002560	0.013392
1395.8	0.009477	0.268654	0.002546	0.013318

1395.9	0.009424	0.268652	0.002532	0.013244
1396.0	0.009372	0.268650	0.002518	0.013171
1396.1	0.009320	0.268623	0.002504	0.013096
1396.2	0.009267	0.268596	0.002489	0.013021
1396.3	0.009215	0.268569	0.002475	0.012946
1396.4	0.009163	0.268543	0.002461	0.012871
1396.5	0.009111	0.268516	0.002446	0.012797
1396.6	0.009058	0.268489	0.002432	0.012722
1396.7	0.009006	0.268463	0.002418	0.012647
1396.8	0.008953	0.268437	0.002403	0.012572
1396.9	0.008901	0.268411	0.002389	0.012498
1397.0	0.008849	0.268384	0.002375	0.012423
1397.1	0.008797	0.268360	0.002361	0.012348
1397.2	0.008744	0.268335	0.002346	0.012274
1397.3	0.008692	0.268310	0.002332	0.012199
1397.4	0.008639	0.268286	0.002318	0.012125
1397.5	0.008587	0.268261	0.002304	0.012050
1397.6	0.008535	0.268237	0.002289	0.011976
1397.7	0.008483	0.268213	0.002275	0.011901
1397.8	0.008430	0.268188	0.002261	0.011827
1397.9	0.008378	0.268164	0.002247	0.011752
1398.0	0.008326	0.268140	0.002232	0.011678
1398.1	0.008273	0.268096	0.002218	0.011603
1398.2	0.008221	0.268051	0.002204	0.011527
1398.3	0.008169	0.268007	0.002189	0.011452
1398.4	0.008116	0.267963	0.002175	0.011377
1398.5	0.008064	0.267918	0.002160	0.011302
1398.6	0.008012	0.267874	0.002146	0.011226
1398.7	0.007959	0.267830	0.002132	0.011151
1398.8	0.007907	0.267787	0.002117	0.011076
1398.9	0.007855	0.267743	0.002103	0.011001
1399.0	0.007802	0.267699	0.002089	0.010926
1399.1	0.007750	0.267656	0.002074	0.010851
1399.2	0.007698	0.267612	0.002060	0.010776
1399.3	0.007645	0.267568	0.002046	0.010701
1399.4	0.007593	0.267524	0.002031	0.010626
1399.5	0.007541	0.267480	0.002017	0.010551
1399.6	0.007488	0.267437	0.002003	0.010476
1399.7	0.007436	0.267394	0.001988	0.010401
1399.8	0.007384	0.267351	0.001974	0.010326
1399.9	0.007331	0.267308	0.001960	0.010251
1400.0	0.007279	0.267264	0.001945	0.010177
1400.1	0.007227	0.267257	0.001931	0.010103

1400.2	0.007174	0.267249	0.001917	0.010030
1400.3	0.007122	0.267242	0.001903	0.009956
1400.4	0.007070	0.267235	0.001889	0.009883
1400.5	0.007017	0.267228	0.001875	0.009809
1400.6	0.006965	0.267220	0.001861	0.009736
1400.7	0.006913	0.267213	0.001847	0.009663
1400.8	0.006861	0.267206	0.001833	0.009589
1400.9	0.006808	0.267199	0.001819	0.009516
1401.0	0.006756	0.267191	0.001805	0.009442
1401.1	0.006704	0.267184	0.001791	0.009369
1401.2	0.006651	0.267178	0.001777	0.009296
1401.3	0.006599	0.267171	0.001763	0.009222
1401.4	0.006547	0.267164	0.001749	0.009149
1401.5	0.006494	0.267157	0.001735	0.009076
1401.6	0.006442	0.267150	0.001721	0.009002
1401.7	0.006390	0.267143	0.001707	0.008929
1401.8	0.006337	0.267136	0.001693	0.008856
1401.9	0.006285	0.267129	0.001679	0.008782
1402.0	0.006233	0.267122	0.001665	0.008709
1402.1	0.006180	0.267041	0.001650	0.008633
1402.2	0.006128	0.266960	0.001636	0.008557
1402.3	0.006076	0.266879	0.001621	0.008482
1402.4	0.006023	0.266799	0.001607	0.008406
1402.5	0.005971	0.266719	0.001593	0.008331
1402.6	0.005919	0.266638	0.001578	0.008255
1402.7	0.005866	0.266558	0.001564	0.008180
1402.8	0.005814	0.266478	0.001549	0.008104
1402.9	0.005762	0.266398	0.001535	0.008029
1403.0	0.005709	0.266319	0.001520	0.007954
1403.1	0.005657	0.266241	0.001506	0.007879
1403.2	0.005605	0.266162	0.001492	0.007803
1403.3	0.005552	0.266084	0.001477	0.007728
1403.4	0.005500	0.266006	0.001463	0.007653
1403.5	0.005448	0.265929	0.001449	0.007578
1403.6	0.005395	0.265851	0.001434	0.007503
1403.7	0.005343	0.265774	0.001420	0.007428
1403.8	0.005291	0.265697	0.001406	0.007353
1403.9	0.005238	0.265620	0.001391	0.007279
1404.0	0.005186	0.265542	0.001377	0.007204
1404.1	0.005134	0.265514	0.001363	0.007130
1404.2	0.005081	0.265486	0.001349	0.007057
1404.3	0.005029	0.265458	0.001335	0.006983
1404.4	0.004977	0.265430	0.001321	0.006910

1404.5	0.004924	0.265402	0.001307	0.006837
1404.6	0.004872	0.265375	0.001293	0.006763
1404.7	0.004820	0.265347	0.001279	0.006690
1404.8	0.004767	0.265320	0.001265	0.006617
1404.9	0.004715	0.265292	0.001251	0.006543
1405.0	0.004663	0.265264	0.001237	0.006470
1405.1	0.004611	0.265238	0.001223	0.006397
1405.2	0.004558	0.265212	0.001209	0.006324
1405.3	0.004506	0.265186	0.001195	0.006250
1405.4	0.004454	0.265159	0.001181	0.006177
1405.5	0.004401	0.265133	0.001167	0.006104
1405.6	0.004349	0.265107	0.001153	0.006031
1405.7	0.004297	0.265081	0.001139	0.005958
1405.8	0.004244	0.265054	0.001125	0.005885
1405.9	0.004192	0.265028	0.001111	0.005811
1406.0	0.004140	0.265002	0.001097	0.005738
1406.1	0.004087	0.264992	0.001083	0.005666
1406.2	0.004035	0.264982	0.001069	0.005593
1406.3	0.003983	0.264972	0.001055	0.005520
1406.4	0.003930	0.264962	0.001041	0.005447
1406.5	0.003878	0.264953	0.001027	0.005375
1406.6	0.003826	0.264942	0.001014	0.005302
1406.7	0.003773	0.264932	0.001000	0.005229
1406.8	0.003721	0.264922	0.000986	0.005156
1406.9	0.003669	0.264911	0.000972	0.005084
1407.0	0.003616	0.264901	0.000958	0.005011
1407.1	0.003564	0.264889	0.000944	0.004938
1407.2	0.003512	0.264877	0.000930	0.004866
1407.3	0.003459	0.264865	0.000916	0.004793
1407.4	0.003407	0.264852	0.000902	0.004720
1407.5	0.003355	0.264840	0.000888	0.004648
1407.6	0.003302	0.264827	0.000875	0.004575
1407.7	0.003250	0.264814	0.000861	0.004502
1407.8	0.003198	0.264801	0.000847	0.004429
1407.9	0.003145	0.264787	0.000833	0.004357
1408.0	0.003093	0.264774	0.000819	0.004284
1408.1	0.003041	0.264673	0.000805	0.004210
1408.2	0.002988	0.264572	0.000791	0.004136
1408.3	0.002936	0.264471	0.000776	0.004062
1408.4	0.002884	0.264370	0.000762	0.003988
1408.5	0.002831	0.264269	0.000748	0.003914
1408.6	0.002779	0.264167	0.000734	0.003840
1408.7	0.002727	0.264065	0.000720	0.003766

1408.8	0.002674	0.263963	0.000706	0.003693
1408.9	0.002622	0.263860	0.000692	0.003619
1409.0	0.002570	0.263758	0.000678	0.003546
1409.1	0.002517	0.263655	0.000664	0.003472
1409.2	0.002465	0.263553	0.000650	0.003398
1409.3	0.002413	0.263450	0.000636	0.003325
1409.4	0.002361	0.263346	0.000622	0.003252
1409.5	0.002308	0.263243	0.000608	0.003178
1409.6	0.002256	0.263139	0.000594	0.003105
1409.7	0.002204	0.263035	0.000580	0.003032
1409.8	0.002151	0.262930	0.000566	0.002959
1409.9	0.002099	0.262825	0.000552	0.002886
1410.0	0.002047	0.262720	0.000538	0.002812
1410.1	0.001994	0.262656	0.000524	0.002740
1410.2	0.001942	0.262593	0.000510	0.002667
1410.3	0.001889	0.262530	0.000496	0.002595
1410.4	0.001837	0.262466	0.000482	0.002522
1410.5	0.001785	0.262402	0.000468	0.002450
1410.6	0.001733	0.262337	0.000455	0.002378
1410.7	0.001680	0.262272	0.000441	0.002305
1410.8	0.001628	0.262207	0.000427	0.002233
1410.9	0.001576	0.262141	0.000413	0.002161
1411.0	0.001523	0.262076	0.000399	0.002088
1411.1	0.001471	0.262012	0.000385	0.002016
1411.2	0.001419	0.261949	0.000372	0.001944
1411.3	0.001366	0.261885	0.000358	0.001872
1411.4	0.001314	0.261821	0.000344	0.001800
1411.5	0.001262	0.261757	0.000330	0.001727
1411.6	0.001209	0.261693	0.000316	0.001655
1411.7	0.001157	0.261628	0.000303	0.001583
1411.8	0.001105	0.261563	0.000289	0.001511
1411.9	0.001052	0.261498	0.000275	0.001439
1412.0	0.001000	0.261433	0.000261	0.001368
1412.1	0.000906	0.261419	0.000237	0.001239
1412.2	0.000810	0.261405	0.000212	0.001108
1412.3	0.000714	0.261391	0.000187	0.000976
1412.4	0.000616	0.261377	0.000161	0.000842
1412.5	0.000516	0.261363	0.000135	0.000706
1412.6	0.000416	0.261348	0.000109	0.000568
1412.7	0.000314	0.261333	0.000082	0.000429
1412.8	0.000211	0.261318	0.000055	0.000288
1412.9	0.000106	0.261302	0.000028	0.000145
1413.0	0.000000	0.261287	0.000000	0.000000

Channel 12				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
1488.3	0.001000	0.287981	0.000288	0.001626
1488.4	0.003000	0.287845	0.000864	0.004876
1488.5	0.004000	0.287709	0.001151	0.006498
1488.6	0.005000	0.287572	0.001438	0.008119
1488.7	0.004000	0.287436	0.001150	0.006492
1488.8	0.002000	0.287299	0.000575	0.003244
1488.9	0.001000	0.287162	0.000287	0.001621
1489.0	0.003000	0.287024	0.000861	0.004862
1489.1	0.004000	0.286888	0.001148	0.006479
1489.2	0.002000	0.286752	0.000574	0.003238
1489.3	0.001000	0.286615	0.000287	0.001618
1489.4	0.003000	0.286478	0.000859	0.004853
1489.5	0.006000	0.286341	0.001718	0.009701
1489.6	0.007000	0.286204	0.002003	0.011312
1489.7	0.007000	0.286067	0.002002	0.011306
1489.8	0.007000	0.285929	0.002002	0.011301
1489.9	0.007000	0.285792	0.002001	0.011296
1490.0	0.007000	0.285654	0.002000	0.011290
1490.1	0.006000	0.285504	0.001713	0.009672
1490.2	0.006000	0.285354	0.001712	0.009667
1490.3	0.005000	0.285204	0.001426	0.008052
1490.4	0.005000	0.285054	0.001425	0.008047
1490.5	0.005000	0.284903	0.001425	0.008043
1490.6	0.004000	0.284753	0.001139	0.006431
1490.7	0.005000	0.284602	0.001423	0.008035
1490.8	0.006000	0.284452	0.001707	0.009637
1490.9	0.006000	0.284301	0.001706	0.009631
1491.0	0.005000	0.284151	0.001421	0.008022
1491.1	0.006000	0.284001	0.001704	0.009621
1491.2	0.006000	0.283852	0.001703	0.009616
1491.3	0.007000	0.283702	0.001986	0.011213
1491.4	0.007000	0.283553	0.001985	0.011207
1491.5	0.007000	0.283404	0.001984	0.011201
1491.6	0.007000	0.283254	0.001983	0.011195
1491.7	0.007000	0.283105	0.001982	0.011189
1491.8	0.007000	0.282955	0.001981	0.011183
1491.9	0.007000	0.282806	0.001980	0.011178
1492.0	0.007000	0.282656	0.001979	0.011172

1492.1	0.007000	0.282583	0.001978	0.011169
1492.2	0.007000	0.282510	0.001978	0.011166
1492.3	0.007000	0.282437	0.001977	0.011163
1492.4	0.007000	0.282364	0.001977	0.011160
1492.5	0.006000	0.282291	0.001694	0.009563
1492.6	0.007000	0.282218	0.001976	0.011154
1492.7	0.007000	0.282145	0.001975	0.011151
1492.8	0.008000	0.282072	0.002257	0.012741
1492.9	0.008000	0.281999	0.002256	0.012738
1493.0	0.008000	0.281926	0.002255	0.012735
1493.1	0.008000	0.281855	0.002255	0.012731
1493.2	0.008000	0.281784	0.002254	0.012728
1493.3	0.008000	0.281712	0.002254	0.012725
1493.4	0.008000	0.281641	0.002253	0.012722
1493.5	0.009000	0.281570	0.002534	0.014308
1493.6	0.009000	0.281499	0.002533	0.014305
1493.7	0.008000	0.281428	0.002251	0.012712
1493.8	0.008000	0.281356	0.002251	0.012709
1493.9	0.009000	0.281285	0.002532	0.014294
1494.0	0.009000	0.281214	0.002531	0.014290
1494.1	0.009000	0.280960	0.002529	0.014277
1494.2	0.009000	0.280706	0.002526	0.014264
1494.3	0.009000	0.280452	0.002524	0.014252
1494.4	0.009000	0.280198	0.002522	0.014239
1494.5	0.009000	0.279944	0.002519	0.014226
1494.6	0.009000	0.279690	0.002517	0.014213
1494.7	0.009000	0.279437	0.002515	0.014200
1494.8	0.009000	0.279183	0.002513	0.014187
1494.9	0.009000	0.278928	0.002510	0.014174
1495.0	0.010000	0.278675	0.002787	0.015735
1495.1	0.011000	0.278421	0.003063	0.017292
1495.2	0.011000	0.278167	0.003060	0.017277
1495.3	0.012000	0.277913	0.003335	0.018830
1495.4	0.012000	0.277659	0.003332	0.018813
1495.5	0.012000	0.277406	0.003329	0.018796
1495.6	0.012000	0.277151	0.003326	0.018778
1495.7	0.012000	0.276897	0.003323	0.018761
1495.8	0.012000	0.276643	0.003320	0.018744
1495.9	0.012000	0.276388	0.003317	0.018727
1496.0	0.013000	0.276133	0.003590	0.020269
1496.1	0.013000	0.275913	0.003587	0.020252
1496.2	0.014000	0.275692	0.003860	0.021793
1496.3	0.015000	0.275471	0.004132	0.023331

1496.4	0.015000	0.275250	0.004129	0.023312
1496.5	0.015000	0.275029	0.004125	0.023293
1496.6	0.015000	0.274807	0.004122	0.023274
1496.7	0.016000	0.274585	0.004393	0.024806
1496.8	0.017000	0.274364	0.004664	0.026335
1496.9	0.017000	0.274142	0.004660	0.026314
1497.0	0.016000	0.273920	0.004383	0.024746
1497.1	0.016000	0.273698	0.004379	0.024726
1497.2	0.017000	0.273475	0.004649	0.026250
1497.3	0.018000	0.273253	0.004919	0.027771
1497.4	0.018000	0.273031	0.004915	0.027749
1497.5	0.019000	0.272808	0.005183	0.029266
1497.6	0.020000	0.272585	0.005452	0.030782
1497.7	0.020000	0.272362	0.005447	0.030756
1497.8	0.020000	0.272140	0.005443	0.030731
1497.9	0.020000	0.271917	0.005438	0.030706
1498.0	0.021000	0.271694	0.005706	0.032215
1498.1	0.022000	0.271557	0.005974	0.033732
1498.2	0.023000	0.271421	0.006243	0.035248
1498.3	0.023000	0.271285	0.006240	0.035230
1498.4	0.023000	0.271148	0.006236	0.035212
1498.5	0.023000	0.271012	0.006233	0.035195
1498.6	0.024000	0.270875	0.006501	0.036706
1498.7	0.025000	0.270738	0.006768	0.038216
1498.8	0.025000	0.270601	0.006765	0.038197
1498.9	0.025000	0.270464	0.006762	0.038178
1499.0	0.025000	0.270327	0.006758	0.038158
1499.1	0.026000	0.270188	0.007025	0.039664
1499.2	0.027000	0.270049	0.007291	0.041169
1499.3	0.027000	0.269910	0.007288	0.041147
1499.4	0.028000	0.269771	0.007554	0.042649
1499.5	0.029000	0.269632	0.007819	0.044150
1499.6	0.029000	0.269492	0.007815	0.044127
1499.7	0.030000	0.269353	0.008081	0.045625
1499.8	0.031000	0.269213	0.008346	0.047121
1499.9	0.030000	0.269074	0.008072	0.045578
1500.0	0.031000	0.268934	0.008337	0.047072
1500.1	0.033000	0.268778	0.008870	0.050080
1500.2	0.033000	0.268622	0.008865	0.050051
1500.3	0.033000	0.268466	0.008859	0.050022
1500.4	0.034000	0.268310	0.009123	0.051508
1500.5	0.035000	0.268153	0.009385	0.052992
1500.6	0.036000	0.267997	0.009648	0.054474

1500.7	0.036000	0.267841	0.009642	0.054443
1500.8	0.036000	0.267685	0.009637	0.054411
1500.9	0.038000	0.267528	0.010166	0.057400
1501.0	0.040000	0.267372	0.010695	0.060386
1501.1	0.041000	0.267215	0.010956	0.061859
1501.2	0.041000	0.267057	0.010949	0.061823
1501.3	0.041000	0.266900	0.010943	0.061786
1501.4	0.042000	0.266742	0.011203	0.063256
1501.5	0.044000	0.266584	0.011730	0.066229
1501.6	0.044000	0.266427	0.011723	0.066190
1501.7	0.045000	0.266269	0.011982	0.067654
1501.8	0.046000	0.266112	0.012241	0.069117
1501.9	0.046000	0.265955	0.012234	0.069076
1502.0	0.046000	0.265797	0.012227	0.069035
1502.1	0.049000	0.265625	0.013016	0.073489
1502.2	0.058000	0.265452	0.015396	0.086931
1502.3	0.067000	0.265280	0.017774	0.100355
1502.4	0.067000	0.265108	0.017762	0.100290
1502.5	0.068000	0.264935	0.018016	0.101720
1502.6	0.068000	0.264763	0.018004	0.101654
1502.7	0.074000	0.264591	0.019580	0.110552
1502.8	0.080000	0.264419	0.021154	0.119438
1502.9	0.084000	0.264247	0.022197	0.125328
1503.0	0.087000	0.264075	0.022975	0.129720
1503.1	0.088000	0.263902	0.023223	0.131125
1503.2	0.090000	0.263729	0.023736	0.134017
1503.3	0.092000	0.263556	0.024247	0.136905
1503.4	0.094000	0.263383	0.024758	0.139790
1503.5	0.100000	0.263210	0.026321	0.148615
1503.6	0.108000	0.263037	0.028408	0.160398
1503.7	0.114000	0.262865	0.029967	0.169198
1503.8	0.117000	0.262692	0.030735	0.173537
1503.9	0.119000	0.262520	0.031240	0.176388
1504.0	0.123000	0.262348	0.032269	0.182197
1504.1	0.128000	0.262122	0.033552	0.189440
1504.2	0.134000	0.261896	0.035094	0.198150
1504.3	0.137000	0.261670	0.035849	0.202411
1504.4	0.137000	0.261445	0.035818	0.202237
1504.5	0.138000	0.261219	0.036048	0.203537
1504.6	0.139000	0.260994	0.036278	0.204835
1504.7	0.140000	0.260769	0.036508	0.206131
1504.8	0.142000	0.260544	0.036997	0.208895
1504.9	0.151000	0.260319	0.039308	0.221943

1505.0	0.161000	0.260094	0.041875	0.236437
1505.1	0.163000	0.259869	0.042359	0.239167
1505.2	0.165000	0.259645	0.042841	0.241893
1505.3	0.168000	0.259420	0.043583	0.246078
1505.4	0.170000	0.259195	0.044063	0.248791
1505.5	0.185000	0.258970	0.047910	0.270509
1505.6	0.198000	0.258746	0.051232	0.289267
1505.7	0.200000	0.258522	0.051704	0.291935
1505.8	0.200000	0.258297	0.051659	0.291682
1505.9	0.201000	0.258073	0.051873	0.292886
1506.0	0.214000	0.257849	0.055180	0.311558
1506.1	0.231000	0.257686	0.059526	0.336096
1506.2	0.241000	0.257524	0.062063	0.350424
1506.3	0.242000	0.257362	0.062282	0.351657
1506.4	0.242000	0.257199	0.062242	0.351435
1506.5	0.243000	0.257037	0.062460	0.352665
1506.6	0.254000	0.256875	0.065246	0.368396
1506.7	0.261000	0.256713	0.067002	0.378310
1506.8	0.269000	0.256551	0.069012	0.389660
1506.9	0.280000	0.256389	0.071789	0.405338
1507.0	0.301000	0.256227	0.077124	0.435463
1507.1	0.328000	0.256065	0.083989	0.474225
1507.2	0.345000	0.255904	0.088287	0.498488
1507.3	0.352000	0.255742	0.090021	0.508281
1507.4	0.356000	0.255580	0.090986	0.513732
1507.5	0.363000	0.255418	0.092717	0.523502
1507.6	0.373000	0.255257	0.095211	0.537583
1507.7	0.381000	0.255095	0.097191	0.548766
1507.8	0.383000	0.254934	0.097640	0.551297
1507.9	0.387000	0.254772	0.098597	0.556702
1508.0	0.391000	0.254611	0.099553	0.562100
1508.1	0.406000	0.254482	0.103319	0.583367
1508.2	0.417000	0.254352	0.106065	0.598868
1508.3	0.423000	0.254223	0.107536	0.607175
1508.4	0.429000	0.254093	0.109006	0.615474
1508.5	0.436000	0.253964	0.110728	0.625199
1508.6	0.445000	0.253835	0.112956	0.637779
1508.7	0.451000	0.253705	0.114421	0.646049
1508.8	0.451000	0.253576	0.114363	0.645720
1508.9	0.452000	0.253447	0.114558	0.646822
1509.0	0.453000	0.253317	0.114753	0.647921
1509.1	0.457000	0.253188	0.115707	0.653310
1509.2	0.459000	0.253059	0.116154	0.655835

1509.3	0.468000	0.252931	0.118372	0.668354
1509.4	0.486000	0.252802	0.122862	0.693707
1509.5	0.500000	0.252673	0.126337	0.713327
1509.6	0.501000	0.252544	0.126525	0.714388
1509.7	0.502000	0.252415	0.126712	0.715449
1509.8	0.503000	0.252286	0.126900	0.716507
1509.9	0.504000	0.252157	0.127087	0.717564
1510.0	0.505000	0.252027	0.127274	0.718619
1510.1	0.509000	0.251865	0.128199	0.723845
1510.2	0.509000	0.251703	0.128117	0.723379
1510.3	0.515000	0.251541	0.129544	0.731434
1510.4	0.528000	0.251379	0.132728	0.749414
1510.5	0.540000	0.251216	0.135657	0.765951
1510.6	0.546000	0.251054	0.137075	0.773961
1510.7	0.547000	0.250891	0.137238	0.774877
1510.8	0.548000	0.250729	0.137399	0.775790
1510.9	0.548000	0.250566	0.137310	0.775287
1511.0	0.555000	0.250403	0.138974	0.784680
1511.1	0.559000	0.250241	0.139884	0.789822
1511.2	0.564000	0.250078	0.141044	0.796368
1511.3	0.579000	0.249915	0.144701	0.817016
1511.4	0.598000	0.249752	0.149352	0.843275
1511.5	0.610000	0.249589	0.152249	0.859635
1511.6	0.618000	0.249425	0.154145	0.870339
1511.7	0.625000	0.249262	0.155789	0.879621
1511.8	0.633000	0.249099	0.157679	0.890296
1511.9	0.637000	0.248935	0.158572	0.895334
1512.0	0.639000	0.248772	0.158965	0.897555
1512.1	0.640000	0.248633	0.159125	0.898460
1512.2	0.644000	0.248495	0.160031	0.903571
1512.3	0.650000	0.248356	0.161431	0.911481
1512.4	0.655000	0.248217	0.162582	0.917979
1512.5	0.656000	0.248079	0.162740	0.918867
1512.6	0.661000	0.247940	0.163888	0.925352
1512.7	0.674000	0.247801	0.167018	0.943022
1512.8	0.684000	0.247661	0.169400	0.956476
1512.9	0.684000	0.247522	0.169305	0.955938
1513.0	0.685000	0.247383	0.169457	0.956797
1513.1	0.686000	0.247242	0.169608	0.957648
1513.2	0.690000	0.247101	0.170500	0.962683
1513.3	0.694000	0.246960	0.171390	0.967711
1513.4	0.697000	0.246818	0.172032	0.971337
1513.5	0.700000	0.246677	0.172674	0.974959

1513.6	0.704000	0.246536	0.173561	0.979968
1513.7	0.708000	0.246394	0.174447	0.984971
1513.8	0.710000	0.246253	0.174840	0.987186
1513.9	0.712000	0.246111	0.175231	0.989397
1514.0	0.714000	0.245969	0.175622	0.991605
1514.1	0.715000	0.245876	0.175802	0.992618
1514.2	0.716000	0.245783	0.175981	0.993630
1514.3	0.716000	0.245694	0.175917	0.993269
1514.4	0.717000	0.245606	0.176099	0.994299
1514.5	0.718000	0.245517	0.176282	0.995328
1514.6	0.719000	0.245429	0.176463	0.996355
1514.7	0.719000	0.245340	0.176400	0.995996
1514.8	0.718000	0.245252	0.176091	0.994251
1514.9	0.718000	0.245163	0.176027	0.993892
1515.0	0.718000	0.245074	0.175963	0.993532
1515.1	0.718000	0.244983	0.175898	0.993162
1515.2	0.718000	0.244892	0.175832	0.992793
1515.3	0.718000	0.244801	0.175767	0.992422
1515.4	0.719000	0.244709	0.175946	0.993433
1515.5	0.718000	0.244618	0.175635	0.991680
1515.6	0.717000	0.244526	0.175325	0.989928
1515.7	0.716000	0.244434	0.175015	0.988177
1515.8	0.714000	0.244343	0.174461	0.985047
1515.9	0.713000	0.244251	0.174151	0.983298
1516.0	0.712000	0.244159	0.173841	0.981550
1516.1	0.710000	0.244042	0.173270	0.978324
1516.2	0.709000	0.243925	0.172943	0.976477
1516.3	0.708000	0.243808	0.172616	0.974631
1516.4	0.707000	0.243691	0.172289	0.972787
1516.5	0.706000	0.243574	0.171963	0.970944
1516.6	0.706000	0.243456	0.171880	0.970477
1516.7	0.704000	0.243339	0.171311	0.967262
1516.8	0.702000	0.243222	0.170742	0.964049
1516.9	0.699000	0.243105	0.169930	0.959467
1517.0	0.698000	0.242987	0.169605	0.957632
1517.1	0.697000	0.242870	0.169280	0.955796
1517.2	0.696000	0.242752	0.168955	0.953962
1517.3	0.693000	0.242634	0.168145	0.949389
1517.4	0.690000	0.242516	0.167336	0.944820
1517.5	0.688000	0.242398	0.166770	0.941624
1517.6	0.687000	0.242281	0.166447	0.939799
1517.7	0.685000	0.242163	0.165882	0.936608
1517.8	0.682000	0.242045	0.165075	0.932053

1517.9	0.680000	0.241928	0.164511	0.928868
1518.0	0.679000	0.241810	0.164189	0.927051
1518.1	0.677000	0.241749	0.163664	0.924089
1518.2	0.674000	0.241689	0.162898	0.919763
1518.3	0.672000	0.241628	0.162374	0.916804
1518.4	0.670000	0.241568	0.161850	0.913847
1518.5	0.667000	0.241507	0.161085	0.909527
1518.6	0.664000	0.241447	0.160321	0.905209
1518.7	0.661000	0.241386	0.159556	0.900894
1518.8	0.658000	0.241326	0.158792	0.896581
1518.9	0.655000	0.241265	0.158029	0.892270
1519.0	0.652000	0.241205	0.157266	0.887961
1519.1	0.649000	0.241144	0.156503	0.883652
1519.2	0.647000	0.241084	0.155981	0.880707
1519.3	0.644000	0.241023	0.155219	0.876402
1519.4	0.641000	0.240962	0.154457	0.872100
1519.5	0.639000	0.240901	0.153936	0.869160
1519.6	0.637000	0.240841	0.153416	0.866222
1519.7	0.635000	0.240780	0.152895	0.863285
1519.8	0.633000	0.240720	0.152376	0.860350
1519.9	0.632000	0.240660	0.152097	0.858776
1520.0	0.632000	0.240599	0.152059	0.858560
1520.1	0.632000	0.240552	0.152029	0.858392
1520.2	0.630000	0.240505	0.151518	0.855508
1520.3	0.628000	0.240458	0.151008	0.852626
1520.4	0.626000	0.240411	0.150497	0.849744
1520.5	0.625000	0.240364	0.150227	0.848221
1520.6	0.624000	0.240317	0.149958	0.846699
1520.7	0.623000	0.240270	0.149688	0.845178
1520.8	0.623000	0.240224	0.149660	0.845014
1520.9	0.623000	0.240178	0.149631	0.844851
1521.0	0.623000	0.240131	0.149602	0.844689
1521.1	0.623000	0.240083	0.149572	0.844518
1521.2	0.622000	0.240034	0.149301	0.842991
1521.3	0.622000	0.239986	0.149271	0.842822
1521.4	0.622000	0.239938	0.149242	0.842654
1521.5	0.623000	0.239890	0.149452	0.843840
1521.6	0.623000	0.239843	0.149422	0.843674
1521.7	0.623000	0.239796	0.149393	0.843508
1521.8	0.623000	0.239749	0.149364	0.843343
1521.9	0.623000	0.239702	0.149335	0.843179
1522.0	0.623000	0.239656	0.149306	0.843015
1522.1	0.623000	0.239687	0.149325	0.843127

1522.2	0.623000	0.239719	0.149345	0.843238
1522.3	0.623000	0.239751	0.149365	0.843351
1522.4	0.623000	0.239783	0.149385	0.843464
1522.5	0.624000	0.239815	0.149645	0.844931
1522.6	0.625000	0.239848	0.149905	0.846399
1522.7	0.626000	0.239880	0.150165	0.847868
1522.8	0.626000	0.239913	0.150185	0.847983
1522.9	0.627000	0.239945	0.150446	0.849453
1523.0	0.628000	0.239978	0.150706	0.850924
1523.1	0.628000	0.240011	0.150727	0.851042
1523.2	0.628000	0.240045	0.150748	0.851161
1523.3	0.628000	0.240079	0.150769	0.851280
1523.4	0.628000	0.240112	0.150790	0.851399
1523.5	0.628000	0.240146	0.150811	0.851518
1523.6	0.628000	0.240179	0.150833	0.851637
1523.7	0.628000	0.240213	0.150854	0.851756
1523.8	0.629000	0.240246	0.151115	0.853232
1523.9	0.630000	0.240280	0.151376	0.854708
1524.0	0.629000	0.240314	0.151157	0.853471
1524.1	0.630000	0.240319	0.151401	0.854845
1524.2	0.631000	0.240323	0.151644	0.856220
1524.3	0.631000	0.240328	0.151647	0.856237
1524.4	0.631000	0.240333	0.151650	0.856254
1524.5	0.632000	0.240338	0.151894	0.857629
1524.6	0.633000	0.240343	0.152137	0.859003
1524.7	0.634000	0.240348	0.152380	0.860377
1524.8	0.633000	0.240352	0.152143	0.859036
1524.9	0.634000	0.240356	0.152386	0.860408
1525.0	0.636000	0.240361	0.152869	0.863137
1525.1	0.637000	0.240365	0.153112	0.864509
1525.2	0.637000	0.240369	0.153115	0.864524
1525.3	0.638000	0.240373	0.153358	0.865895
1525.4	0.640000	0.240376	0.153841	0.868623
1525.5	0.642000	0.240380	0.154324	0.871350
1525.6	0.643000	0.240383	0.154566	0.872719
1525.7	0.644000	0.240386	0.154809	0.874088
1525.8	0.644000	0.240389	0.154811	0.874098
1525.9	0.645000	0.240392	0.155053	0.875466
1526.0	0.645000	0.240395	0.155055	0.875476
1526.1	0.646000	0.240423	0.155313	0.876936
1526.2	0.647000	0.240451	0.155572	0.878396
1526.3	0.648000	0.240479	0.155830	0.879856
1526.4	0.650000	0.240506	0.156329	0.882672

1526.5	0.651000	0.240534	0.156588	0.884131
1526.6	0.652000	0.240561	0.156846	0.885589
1526.7	0.654000	0.240588	0.157344	0.888404
1526.8	0.656000	0.240614	0.157843	0.891219
1526.9	0.658000	0.240640	0.158341	0.894032
1527.0	0.661000	0.240666	0.159080	0.898205
1527.1	0.662000	0.240690	0.159337	0.899654
1527.2	0.663000	0.240714	0.159594	0.901104
1527.3	0.664000	0.240738	0.159850	0.902553
1527.4	0.666000	0.240761	0.160347	0.905359
1527.5	0.668000	0.240785	0.160844	0.908165
1527.6	0.670000	0.240807	0.161341	0.910968
1527.7	0.671000	0.240829	0.161596	0.912412
1527.8	0.673000	0.240851	0.162093	0.915214
1527.9	0.674000	0.240872	0.162348	0.916654
1528.0	0.675000	0.240893	0.162603	0.918095
1528.1	0.676000	0.240941	0.162876	0.919637
1528.2	0.678000	0.240988	0.163390	0.922540
1528.3	0.681000	0.241035	0.164145	0.926803
1528.4	0.683000	0.241082	0.164659	0.929704
1528.5	0.684000	0.241128	0.164932	0.931244
1528.6	0.685000	0.241173	0.165204	0.932780
1528.7	0.686000	0.241218	0.165476	0.934316
1528.8	0.688000	0.241263	0.165989	0.937212
1528.9	0.689000	0.241306	0.166260	0.938744
1529.0	0.692000	0.241350	0.167014	0.943002
1529.1	0.695000	0.241392	0.167767	0.947255
1529.2	0.696000	0.241434	0.168038	0.948782
1529.3	0.697000	0.241475	0.168308	0.950307
1529.4	0.700000	0.241515	0.169060	0.954556
1529.5	0.703000	0.241555	0.169813	0.958806
1529.6	0.703000	0.241593	0.169840	0.958959
1529.7	0.703000	0.241632	0.169867	0.959112
1529.8	0.704000	0.241670	0.170135	0.960626
1529.9	0.706000	0.241707	0.170645	0.963502
1530.0	0.707000	0.241743	0.170913	0.965014
1530.1	0.708000	0.241791	0.171188	0.966568
1530.2	0.710000	0.241838	0.171705	0.969488
1530.3	0.711000	0.241884	0.171980	0.971040
1530.4	0.712000	0.241930	0.172254	0.972590
1530.5	0.714000	0.241976	0.172771	0.975506
1530.6	0.715000	0.242020	0.173044	0.977051
1530.7	0.717000	0.242064	0.173560	0.979962

1530.8	0.718000	0.242108	0.173833	0.981505
1530.9	0.719000	0.242150	0.174106	0.983046
1531.0	0.720000	0.242193	0.174379	0.984586
1531.1	0.720000	0.242235	0.174409	0.984756
1531.2	0.721000	0.242277	0.174681	0.986294
1531.3	0.721000	0.242318	0.174711	0.986461
1531.4	0.721000	0.242358	0.174740	0.986625
1531.5	0.721000	0.242398	0.174769	0.986789
1531.6	0.721000	0.242438	0.174798	0.986950
1531.7	0.721000	0.242477	0.174826	0.987110
1531.8	0.722000	0.242516	0.175097	0.988638
1531.9	0.722000	0.242554	0.175124	0.988793
1532.0	0.722000	0.242592	0.175152	0.988949
1532.1	0.723000	0.242697	0.175470	0.990745
1532.2	0.723000	0.242801	0.175545	0.991171
1532.3	0.723000	0.242905	0.175620	0.991595
1532.4	0.722000	0.243009	0.175452	0.990646
1532.5	0.722000	0.243112	0.175527	0.991067
1532.6	0.722000	0.243215	0.175601	0.991486
1532.7	0.722000	0.243317	0.175675	0.991904
1532.8	0.722000	0.243419	0.175749	0.992320
1532.9	0.722000	0.243521	0.175822	0.992736
1533.0	0.722000	0.243623	0.175896	0.993152
1533.1	0.722000	0.243724	0.175969	0.993564
1533.2	0.723000	0.243825	0.176286	0.995352
1533.3	0.723000	0.243926	0.176359	0.995763
1533.4	0.724000	0.244027	0.176675	0.997551
1533.5	0.723000	0.244127	0.176504	0.996584
1533.6	0.723000	0.244227	0.176576	0.996992
1533.7	0.723000	0.244327	0.176648	0.997400
1533.8	0.724000	0.244427	0.176965	0.999187
1533.9	0.724000	0.244526	0.177037	0.999594
1534.0	0.724000	0.244626	0.177109	1.000000
1534.1	0.724000	0.244621	0.177106	0.999982
1534.2	0.724000	0.244617	0.177102	0.999963
1534.3	0.724000	0.244612	0.177099	0.999945
1534.4	0.724000	0.244608	0.177096	0.999926
1534.5	0.724000	0.244603	0.177093	0.999908
1534.6	0.723000	0.244599	0.176845	0.998508
1534.7	0.723000	0.244594	0.176841	0.998489
1534.8	0.722000	0.244589	0.176593	0.997089
1534.9	0.722000	0.244585	0.176590	0.997071
1535.0	0.722000	0.244580	0.176587	0.997052

1535.1	0.721000	0.244575	0.176339	0.995652
1535.2	0.720000	0.244571	0.176091	0.994252
1535.3	0.719000	0.244566	0.175843	0.992853
1535.4	0.717000	0.244562	0.175351	0.990073
1535.5	0.716000	0.244557	0.175103	0.988674
1535.6	0.714000	0.244553	0.174611	0.985897
1535.7	0.712000	0.244549	0.174119	0.983118
1535.8	0.708000	0.244545	0.173138	0.977579
1535.9	0.705000	0.244541	0.172402	0.973421
1536.0	0.702000	0.244537	0.171665	0.969264
1536.1	0.700000	0.244610	0.171227	0.966788
1536.2	0.696000	0.244682	0.170299	0.961547
1536.3	0.693000	0.244754	0.169615	0.957686
1536.4	0.691000	0.244827	0.169175	0.955205
1536.5	0.688000	0.244899	0.168491	0.951340
1536.6	0.684000	0.244973	0.167561	0.946091
1536.7	0.681000	0.245045	0.166876	0.942222
1536.8	0.679000	0.245119	0.166436	0.939736
1536.9	0.678000	0.245192	0.166240	0.938634
1537.0	0.675000	0.245266	0.165554	0.934761
1537.1	0.673000	0.245341	0.165114	0.932276
1537.2	0.671000	0.245416	0.164674	0.929788
1537.3	0.670000	0.245491	0.164479	0.928687
1537.4	0.667000	0.245566	0.163793	0.924813
1537.5	0.664000	0.245642	0.163106	0.920936
1537.6	0.663000	0.245718	0.162911	0.919836
1537.7	0.662000	0.245795	0.162716	0.918734
1537.8	0.661000	0.245872	0.162521	0.917634
1537.9	0.659000	0.245949	0.162080	0.915145
1538.0	0.658000	0.246026	0.161885	0.914044
1538.1	0.657000	0.246074	0.161671	0.912832
1538.2	0.656000	0.246122	0.161456	0.911620
1538.3	0.655000	0.246171	0.161242	0.910410
1538.4	0.652000	0.246220	0.160535	0.906420
1538.5	0.651000	0.246268	0.160321	0.905209
1538.6	0.650000	0.246318	0.160107	0.904002
1538.7	0.648000	0.246368	0.159646	0.901403
1538.8	0.647000	0.246418	0.159433	0.900195
1538.9	0.645000	0.246469	0.158972	0.897596
1539.0	0.644000	0.246519	0.158758	0.896388
1539.1	0.643000	0.246570	0.158544	0.895179
1539.2	0.641000	0.246620	0.158083	0.892577
1539.3	0.640000	0.246671	0.157869	0.891368

1539.4	0.639000	0.246722	0.157655	0.890160
1539.5	0.637000	0.246773	0.157194	0.887558
1539.6	0.636000	0.246825	0.156981	0.886351
1539.7	0.636000	0.246877	0.157014	0.886537
1539.8	0.632000	0.246929	0.156059	0.881147
1539.9	0.622000	0.246981	0.153622	0.867389
1540.0	0.615000	0.247034	0.151926	0.857809
1540.1	0.615000	0.247097	0.151964	0.858028
1540.2	0.616000	0.247159	0.152250	0.859642
1540.3	0.616000	0.247223	0.152289	0.859862
1540.4	0.614000	0.247286	0.151834	0.857290
1540.5	0.614000	0.247350	0.151873	0.857510
1540.6	0.613000	0.247414	0.151665	0.856336
1540.7	0.613000	0.247478	0.151704	0.856557
1540.8	0.611000	0.247542	0.151248	0.853984
1540.9	0.610000	0.247606	0.151040	0.852808
1541.0	0.609000	0.247670	0.150831	0.851630
1541.1	0.610000	0.247734	0.151118	0.853249
1541.2	0.609000	0.247798	0.150909	0.852069
1541.3	0.607000	0.247862	0.150452	0.849490
1541.4	0.607000	0.247926	0.150491	0.849709
1541.5	0.607000	0.247990	0.150530	0.849928
1541.6	0.606000	0.248054	0.150321	0.848747
1541.7	0.605000	0.248118	0.150111	0.847565
1541.8	0.604000	0.248182	0.149902	0.846384
1541.9	0.603000	0.248247	0.149693	0.845201
1542.0	0.602000	0.248311	0.149483	0.844017
1542.1	0.602000	0.248372	0.149520	0.844226
1542.2	0.602000	0.248433	0.149557	0.844433
1542.3	0.602000	0.248494	0.149593	0.844641
1542.4	0.601000	0.248555	0.149382	0.843445
1542.5	0.600000	0.248616	0.149170	0.842249
1542.6	0.599000	0.248677	0.148958	0.841051
1542.7	0.599000	0.248738	0.148994	0.841257
1542.8	0.599000	0.248799	0.149031	0.841463
1542.9	0.599000	0.248860	0.149067	0.841669
1543.0	0.599000	0.248920	0.149103	0.841874
1543.1	0.599000	0.248981	0.149140	0.842079
1543.2	0.599000	0.249042	0.149176	0.842284
1543.3	0.599000	0.249102	0.149212	0.842488
1543.4	0.599000	0.249162	0.149248	0.842691
1543.5	0.599000	0.249222	0.149284	0.842894
1543.6	0.599000	0.249282	0.149320	0.843096

1543.7	0.599000	0.249342	0.149356	0.843298
1543.8	0.601000	0.249401	0.149890	0.846316
1543.9	0.602000	0.249461	0.150175	0.847926
1544.0	0.602000	0.249520	0.150211	0.848127
1544.1	0.601000	0.249536	0.149971	0.846774
1544.2	0.601000	0.249552	0.149981	0.846828
1544.3	0.602000	0.249568	0.150240	0.848291
1544.4	0.604000	0.249583	0.150748	0.851162
1544.5	0.605000	0.249599	0.151007	0.852624
1544.6	0.604000	0.249614	0.150767	0.851266
1544.7	0.604000	0.249629	0.150776	0.851316
1544.8	0.604000	0.249643	0.150784	0.851366
1544.9	0.605000	0.249657	0.151043	0.852824
1545.0	0.607000	0.249672	0.151551	0.855692
1545.1	0.607000	0.249685	0.151559	0.855738
1545.2	0.607000	0.249698	0.151567	0.855783
1545.3	0.607000	0.249711	0.151575	0.855826
1545.4	0.608000	0.249723	0.151832	0.857279
1545.5	0.609000	0.249735	0.152089	0.858730
1545.6	0.610000	0.249747	0.152346	0.860180
1545.7	0.610000	0.249758	0.152352	0.860219
1545.8	0.610000	0.249769	0.152359	0.860257
1545.9	0.609000	0.249780	0.152116	0.858883
1546.0	0.610000	0.249790	0.152372	0.860329
1546.1	0.610000	0.249773	0.152361	0.860270
1546.2	0.611000	0.249755	0.152600	0.861619
1546.3	0.611000	0.249737	0.152589	0.861556
1546.4	0.611000	0.249718	0.152578	0.861492
1546.5	0.612000	0.249699	0.152816	0.862836
1546.6	0.612000	0.249680	0.152804	0.862768
1546.7	0.612000	0.249660	0.152792	0.862699
1546.8	0.612000	0.249639	0.152779	0.862629
1546.9	0.612000	0.249618	0.152766	0.862556
1547.0	0.612000	0.249597	0.152753	0.862483
1547.1	0.613000	0.249575	0.152989	0.863814
1547.2	0.614000	0.249552	0.153225	0.865145
1547.3	0.614000	0.249529	0.153211	0.865064
1547.4	0.613000	0.249505	0.152947	0.863573
1547.5	0.612000	0.249481	0.152682	0.862082
1547.6	0.612000	0.249456	0.152667	0.861997
1547.7	0.612000	0.249432	0.152652	0.861911
1547.8	0.612000	0.249406	0.152637	0.861824
1547.9	0.612000	0.249381	0.152621	0.861736

1548.0	0.612000	0.249355	0.152605	0.861646
1548.1	0.612000	0.249321	0.152585	0.861530
1548.2	0.612000	0.249287	0.152564	0.861412
1548.3	0.611000	0.249253	0.152294	0.859886
1548.4	0.611000	0.249218	0.152272	0.859767
1548.5	0.612000	0.249183	0.152500	0.861054
1548.6	0.612000	0.249148	0.152479	0.860931
1548.7	0.611000	0.249112	0.152207	0.859400
1548.8	0.611000	0.249076	0.152185	0.859276
1548.9	0.611000	0.249039	0.152163	0.859150
1549.0	0.610000	0.249003	0.151892	0.857618
1549.1	0.610000	0.248965	0.151869	0.857487
1549.2	0.610000	0.248927	0.151845	0.857356
1549.3	0.610000	0.248888	0.151822	0.857223
1549.4	0.608000	0.248850	0.151301	0.854280
1549.5	0.607000	0.248811	0.151028	0.852741
1549.6	0.607000	0.248771	0.151004	0.852606
1549.7	0.607000	0.248732	0.150980	0.852470
1549.8	0.605000	0.248692	0.150459	0.849526
1549.9	0.604000	0.248652	0.150186	0.847986
1550.0	0.604000	0.248612	0.150162	0.847849
1550.1	0.604000	0.248530	0.150112	0.847569
1550.2	0.603000	0.248448	0.149814	0.845886
1550.3	0.601000	0.248365	0.149268	0.842801
1550.4	0.601000	0.248283	0.149218	0.842521
1550.5	0.600000	0.248200	0.148920	0.840839
1550.6	0.599000	0.248117	0.148622	0.839156
1550.7	0.598000	0.248034	0.148324	0.837475
1550.8	0.597000	0.247951	0.148026	0.835793
1550.9	0.596000	0.247867	0.147729	0.834113
1551.0	0.594000	0.247784	0.147183	0.831033
1551.1	0.593000	0.247697	0.146884	0.829345
1551.2	0.592000	0.247611	0.146585	0.827657
1551.3	0.590000	0.247524	0.146039	0.824572
1551.4	0.588000	0.247437	0.145493	0.821489
1551.5	0.585000	0.247350	0.144700	0.817011
1551.6	0.583000	0.247263	0.144154	0.813931
1551.7	0.582000	0.247176	0.143856	0.812249
1551.8	0.581000	0.247089	0.143559	0.810567
1551.9	0.579000	0.247001	0.143014	0.807491
1552.0	0.577000	0.246914	0.142469	0.804416
1552.1	0.575000	0.246852	0.141940	0.801428
1552.2	0.573000	0.246790	0.141411	0.798440

1552.3	0.571000	0.246728	0.140882	0.795454
1552.4	0.570000	0.246666	0.140600	0.793861
1552.5	0.568000	0.246604	0.140071	0.790876
1552.6	0.567000	0.246542	0.139789	0.789284
1552.7	0.566000	0.246479	0.139507	0.787692
1552.8	0.564000	0.246417	0.138979	0.784709
1552.9	0.563000	0.246354	0.138697	0.783119
1553.0	0.562000	0.246292	0.138416	0.781530
1553.1	0.559000	0.246228	0.137642	0.777158
1553.2	0.558000	0.246165	0.137360	0.775568
1553.3	0.557000	0.246102	0.137079	0.773979
1553.4	0.556000	0.246038	0.136797	0.772390
1553.5	0.555000	0.245974	0.136516	0.770802
1553.6	0.554000	0.245911	0.136235	0.769215
1553.7	0.553000	0.245848	0.135954	0.767629
1553.8	0.552000	0.245784	0.135673	0.766043
1553.9	0.550000	0.245721	0.135147	0.763071
1554.0	0.548000	0.245657	0.134620	0.760098
1554.1	0.547000	0.245573	0.134328	0.758450
1554.2	0.545000	0.245488	0.133791	0.755416
1554.3	0.543000	0.245403	0.133254	0.752385
1554.4	0.542000	0.245319	0.132963	0.750740
1554.5	0.541000	0.245234	0.132672	0.749097
1554.6	0.540000	0.245150	0.132381	0.747456
1554.7	0.529000	0.245066	0.129640	0.731977
1554.8	0.527000	0.244981	0.129105	0.728959
1554.9	0.525000	0.244897	0.128571	0.725942
1555.0	0.522000	0.244813	0.127792	0.721546
1555.1	0.511000	0.244730	0.125057	0.706101
1555.2	0.505000	0.244646	0.123546	0.697573
1555.3	0.502000	0.244563	0.122771	0.693194
1555.4	0.499000	0.244481	0.121996	0.688818
1555.5	0.495000	0.244397	0.120977	0.683064
1555.6	0.491000	0.244315	0.119959	0.677315
1555.7	0.488000	0.244232	0.119185	0.672948
1555.8	0.485000	0.244149	0.118412	0.668584
1555.9	0.482000	0.244066	0.117640	0.664224
1556.0	0.480000	0.243984	0.117112	0.661244
1556.1	0.478000	0.243863	0.116567	0.658163
1556.2	0.478000	0.243743	0.116509	0.657838
1556.3	0.475000	0.243622	0.115721	0.653386
1556.4	0.467000	0.243502	0.113715	0.642065
1556.5	0.460000	0.243381	0.111955	0.632127

1556.6	0.459000	0.243261	0.111657	0.630441
1556.7	0.458000	0.243140	0.111358	0.628755
1556.8	0.455000	0.243020	0.110574	0.624327
1556.9	0.452000	0.242899	0.109790	0.619903
1557.0	0.451000	0.242778	0.109493	0.618223
1557.1	0.449000	0.242658	0.108954	0.615179
1557.2	0.447000	0.242539	0.108415	0.612136
1557.3	0.444000	0.242419	0.107634	0.607728
1557.4	0.443000	0.242300	0.107339	0.606060
1557.5	0.442000	0.242180	0.107044	0.604394
1557.6	0.440000	0.242060	0.106507	0.601362
1557.7	0.439000	0.241941	0.106212	0.599698
1557.8	0.436000	0.241821	0.105434	0.595305
1557.9	0.435000	0.241701	0.105140	0.593645
1558.0	0.433000	0.241581	0.104605	0.590623
1558.1	0.432000	0.241484	0.104321	0.589021
1558.2	0.430000	0.241386	0.103796	0.586058
1558.3	0.426000	0.241289	0.102789	0.580372
1558.4	0.419000	0.241192	0.101059	0.570605
1558.5	0.405000	0.241094	0.097643	0.551317
1558.6	0.399000	0.240997	0.096158	0.542929
1558.7	0.396000	0.240899	0.095396	0.538630
1558.8	0.390000	0.240802	0.093913	0.530254
1558.9	0.387000	0.240704	0.093153	0.525962
1559.0	0.384000	0.240607	0.092393	0.521673
1559.1	0.383000	0.240508	0.092114	0.520101
1559.2	0.359000	0.240409	0.086307	0.487309
1559.3	0.343000	0.240310	0.082426	0.465399
1559.4	0.336000	0.240211	0.080711	0.455713
1559.5	0.336000	0.240112	0.080678	0.455525
1559.6	0.336000	0.240013	0.080644	0.455337
1559.7	0.332000	0.239914	0.079651	0.449731
1559.8	0.327000	0.239815	0.078419	0.442775
1559.9	0.324000	0.239716	0.077668	0.438532
1560.0	0.319000	0.239617	0.076438	0.431586
1560.1	0.312000	0.239478	0.074717	0.421870
1560.2	0.307000	0.239338	0.073477	0.414868
1560.3	0.305000	0.239199	0.072956	0.411926
1560.4	0.304000	0.239060	0.072674	0.410336
1560.5	0.302000	0.238920	0.072154	0.407399
1560.6	0.301000	0.238781	0.071873	0.405813
1560.7	0.299000	0.238642	0.071354	0.402882
1560.8	0.297000	0.238503	0.070835	0.399954

1560.9	0.294000	0.238364	0.070079	0.395683
1561.0	0.293000	0.238225	0.069800	0.394107
1561.1	0.291000	0.238084	0.069283	0.391186
1561.2	0.290000	0.237944	0.069004	0.389611
1561.3	0.289000	0.237803	0.068725	0.388039
1561.4	0.287000	0.237663	0.068209	0.385126
1561.5	0.286000	0.237522	0.067931	0.383557
1561.6	0.285000	0.237382	0.067654	0.381990
1561.7	0.283000	0.237241	0.067139	0.379084
1561.8	0.281000	0.237100	0.066625	0.376182
1561.9	0.279000	0.236960	0.066112	0.373283
1562.0	0.277000	0.236819	0.065599	0.370388
1562.1	0.275000	0.236690	0.065090	0.367513
1562.2	0.273000	0.236561	0.064581	0.364641
1562.3	0.270000	0.236432	0.063837	0.360437
1562.4	0.266000	0.236303	0.062857	0.354904
1562.5	0.262000	0.236174	0.061878	0.349376
1562.6	0.257000	0.236045	0.060664	0.342521
1562.7	0.254000	0.235916	0.059923	0.338338
1562.8	0.251000	0.235787	0.059183	0.334159
1562.9	0.248000	0.235658	0.058443	0.329984
1563.0	0.245000	0.235529	0.057705	0.325814
1563.1	0.241000	0.235401	0.056732	0.320321
1563.2	0.239000	0.235273	0.056230	0.317490
1563.3	0.236000	0.235145	0.055494	0.313334
1563.4	0.231000	0.235017	0.054289	0.306529
1563.5	0.228000	0.234889	0.053555	0.302383
1563.6	0.225000	0.234761	0.052821	0.298242
1563.7	0.220000	0.234634	0.051619	0.291456
1563.8	0.212000	0.234506	0.049715	0.280704
1563.9	0.202000	0.234378	0.047344	0.267317
1564.0	0.192000	0.234250	0.044976	0.253945
1564.1	0.192000	0.234149	0.044957	0.253836
1564.2	0.188000	0.234049	0.044001	0.248442
1564.3	0.182000	0.233948	0.042579	0.240409
1564.4	0.174000	0.233848	0.040690	0.229743
1564.5	0.159000	0.233747	0.037166	0.209847
1564.6	0.154000	0.233647	0.035982	0.203161
1564.7	0.152000	0.233546	0.035499	0.200436
1564.8	0.150000	0.233446	0.035017	0.197714
1564.9	0.147000	0.233345	0.034302	0.193676
1565.0	0.123000	0.233245	0.028689	0.161986
1565.1	0.115000	0.233142	0.026811	0.151384

1565.2	0.114000	0.233040	0.026567	0.150001
1565.3	0.114000	0.232938	0.026555	0.149935
1565.4	0.113000	0.232836	0.026310	0.148555
1565.5	0.113000	0.232733	0.026299	0.148490
1565.6	0.111000	0.232631	0.025822	0.145798
1565.7	0.107000	0.232529	0.024881	0.140482
1565.8	0.104000	0.232427	0.024172	0.136484
1565.9	0.100000	0.232326	0.023233	0.131177
1566.0	0.097000	0.232224	0.022526	0.127186
1566.1	0.093000	0.232093	0.021585	0.121872
1566.2	0.089000	0.231963	0.020645	0.116565
1566.3	0.085000	0.231832	0.019706	0.111263
1566.4	0.082000	0.231701	0.019000	0.107276
1566.5	0.077000	0.231571	0.017831	0.100678
1566.6	0.072000	0.231441	0.016664	0.094088
1566.7	0.068000	0.231311	0.015729	0.088810
1566.8	0.064000	0.231180	0.014796	0.083539
1566.9	0.060000	0.231050	0.013863	0.078274
1567.0	0.056000	0.230920	0.012932	0.073014
1567.1	0.053000	0.230784	0.012232	0.069062
1567.2	0.051000	0.230649	0.011763	0.066417
1567.3	0.048000	0.230513	0.011065	0.062474
1567.4	0.045000	0.230378	0.010367	0.058535
1567.5	0.042000	0.230242	0.009670	0.054600
1567.6	0.041000	0.230106	0.009434	0.053269
1567.7	0.041000	0.229971	0.009429	0.053237
1567.8	0.041000	0.229835	0.009423	0.053206
1567.9	0.039000	0.229699	0.008958	0.050581
1568.0	0.038000	0.229563	0.008723	0.049255
1568.1	0.037000	0.229467	0.008490	0.047938
1568.2	0.037000	0.229371	0.008487	0.047918
1568.3	0.036000	0.229274	0.008254	0.046603
1568.4	0.035000	0.229178	0.008021	0.045290
1568.5	0.033000	0.229082	0.007560	0.042684
1568.6	0.033000	0.228985	0.007557	0.042666
1568.7	0.033000	0.228888	0.007553	0.042648
1568.8	0.032000	0.228791	0.007321	0.041338
1568.9	0.031000	0.228695	0.007090	0.040029
1569.0	0.030000	0.228598	0.006858	0.038722
1569.1	0.029000	0.228497	0.006626	0.037414
1569.2	0.028000	0.228397	0.006395	0.036108
1569.3	0.027000	0.228296	0.006164	0.034803
1569.4	0.026000	0.228196	0.005933	0.033500

1569.5	0.025000	0.228095	0.005702	0.032197
1569.6	0.025000	0.227995	0.005700	0.032183
1569.7	0.024000	0.227894	0.005469	0.030882
1569.8	0.023000	0.227793	0.005239	0.029582
1569.9	0.022000	0.227693	0.005009	0.028283
1570.0	0.022000	0.227592	0.005007	0.028271
1570.1	0.021000	0.227451	0.004776	0.026969
1570.2	0.020000	0.227311	0.004546	0.025669
1570.3	0.020000	0.227170	0.004543	0.025653
1570.4	0.019000	0.227029	0.004314	0.024355
1570.5	0.018000	0.226888	0.004084	0.023059
1570.6	0.018000	0.226747	0.004081	0.023045
1570.7	0.017000	0.226606	0.003852	0.021751
1570.8	0.016000	0.226465	0.003623	0.020459
1570.9	0.016000	0.226324	0.003621	0.020446
1571.0	0.015000	0.226183	0.003393	0.019156
1571.1	0.015000	0.226041	0.003391	0.019144
1571.2	0.015000	0.225900	0.003388	0.019132
1571.3	0.015000	0.225759	0.003386	0.019120
1571.4	0.015000	0.225617	0.003384	0.019108
1571.5	0.014000	0.225476	0.003157	0.017823
1571.6	0.014000	0.225334	0.003155	0.017812
1571.7	0.013000	0.225192	0.002928	0.016529
1571.8	0.012000	0.225050	0.002701	0.015248
1571.9	0.012000	0.224908	0.002699	0.015239
1572.0	0.012000	0.224766	0.002697	0.015229
1572.1	0.012000	0.224660	0.002696	0.015222
1572.2	0.012000	0.224554	0.002695	0.015215
1572.3	0.012000	0.224447	0.002693	0.015207
1572.4	0.011000	0.224341	0.002468	0.013934
1572.5	0.010000	0.224234	0.002242	0.012661
1572.6	0.009000	0.224127	0.002017	0.011389
1572.7	0.009000	0.224020	0.002016	0.011384
1572.8	0.009000	0.223913	0.002015	0.011378
1572.9	0.009000	0.223805	0.002014	0.011373
1573.0	0.008000	0.223698	0.001790	0.010104
1573.1	0.008000	0.223592	0.001789	0.010100
1573.2	0.008000	0.223486	0.001788	0.010095
1573.3	0.008000	0.223380	0.001787	0.010090
1573.4	0.008000	0.223273	0.001786	0.010085
1573.5	0.008000	0.223166	0.001785	0.010080
1573.6	0.008000	0.223059	0.001784	0.010076
1573.7	0.007000	0.222952	0.001561	0.008812

1573.8	0.007000	0.222845	0.001560	0.008808
1573.9	0.008000	0.222737	0.001782	0.010061
1574.0	0.008000	0.222630	0.001781	0.010056
1574.1	0.007000	0.222536	0.001558	0.008795
1574.2	0.006000	0.222441	0.001335	0.007536
1574.3	0.007000	0.222347	0.001556	0.008788
1574.4	0.007000	0.222253	0.001556	0.008784
1574.5	0.007000	0.222158	0.001555	0.008781
1574.6	0.007000	0.222063	0.001554	0.008777
1574.7	0.007000	0.221969	0.001554	0.008773
1574.8	0.007000	0.221874	0.001553	0.008769
1574.9	0.007000	0.221778	0.001552	0.008766
1575.0	0.007000	0.221683	0.001552	0.008762
1575.1	0.007000	0.221584	0.001551	0.008758
1575.2	0.007000	0.221486	0.001550	0.008754
1575.3	0.007000	0.221387	0.001550	0.008750
1575.4	0.007000	0.221288	0.001549	0.008746
1575.5	0.007000	0.221189	0.001548	0.008742
1575.6	0.007000	0.221090	0.001548	0.008738
1575.7	0.007000	0.220991	0.001547	0.008734
1575.8	0.007000	0.220891	0.001546	0.008730
1575.9	0.007000	0.220792	0.001546	0.008727
1576.0	0.007000	0.220692	0.001545	0.008723
1576.1	0.007000	0.220536	0.001544	0.008716
1576.2	0.007000	0.220380	0.001543	0.008710
1576.3	0.007000	0.220223	0.001542	0.008704
1576.4	0.007000	0.220067	0.001540	0.008698
1576.5	0.007000	0.219911	0.001539	0.008692
1576.6	0.007000	0.219754	0.001538	0.008685
1576.7	0.007000	0.219597	0.001537	0.008679
1576.8	0.007000	0.219441	0.001536	0.008673
1576.9	0.007000	0.219284	0.001535	0.008667
1577.0	0.007000	0.219127	0.001534	0.008661
1577.1	0.007000	0.218970	0.001533	0.008655
1577.2	0.007000	0.218813	0.001532	0.008648
1577.3	0.007000	0.218655	0.001531	0.008642
1577.4	0.007000	0.218498	0.001529	0.008636
1577.5	0.007000	0.218340	0.001528	0.008630
1577.6	0.007000	0.218183	0.001527	0.008623
1577.7	0.007000	0.218025	0.001526	0.008617
1577.8	0.007000	0.217867	0.001525	0.008611
1577.9	0.007000	0.217709	0.001524	0.008605
1578.0	0.007000	0.217552	0.001523	0.008598

1578.1	0.007000	0.217432	0.001522	0.008594
1578.2	0.007000	0.217312	0.001521	0.008589
1578.3	0.007000	0.217191	0.001520	0.008584
1578.4	0.007000	0.217071	0.001519	0.008579
1578.5	0.007000	0.216951	0.001519	0.008575
1578.6	0.007000	0.216830	0.001518	0.008570
1578.7	0.007000	0.216709	0.001517	0.008565
1578.8	0.007000	0.216588	0.001516	0.008560
1578.9	0.007000	0.216467	0.001515	0.008556
1579.0	0.007000	0.216346	0.001514	0.008551
1579.1	0.007000	0.216228	0.001514	0.008546
1579.2	0.007000	0.216111	0.001513	0.008541
1579.3	0.007000	0.215993	0.001512	0.008537
1579.4	0.007000	0.215875	0.001511	0.008532
1579.5	0.007000	0.215757	0.001510	0.008528
1579.6	0.007000	0.215638	0.001509	0.008523
1579.7	0.007000	0.215520	0.001509	0.008518
1579.8	0.007000	0.215401	0.001508	0.008513
1579.9	0.007000	0.215282	0.001507	0.008509
1580.0	0.007000	0.215163	0.001506	0.008504
1580.1	0.007000	0.215078	0.001506	0.008501
1580.2	0.007000	0.214994	0.001505	0.008497
1580.3	0.007000	0.214909	0.001504	0.008494
1580.4	0.007000	0.214824	0.001504	0.008491
1580.5	0.007000	0.214739	0.001503	0.008487
1580.6	0.007000	0.214653	0.001503	0.008484
1580.7	0.007000	0.214567	0.001502	0.008480
1580.8	0.007000	0.214481	0.001501	0.008477
1580.9	0.007000	0.214395	0.001501	0.008474
1581.0	0.007000	0.214309	0.001500	0.008470
1581.1	0.007000	0.214220	0.001500	0.008467
1581.2	0.007000	0.214132	0.001499	0.008463
1581.3	0.007000	0.214043	0.001498	0.008460
1581.4	0.007000	0.213954	0.001498	0.008456
1581.5	0.007000	0.213865	0.001497	0.008453
1581.6	0.007000	0.213775	0.001496	0.008449
1581.7	0.007000	0.213686	0.001496	0.008446
1581.8	0.007000	0.213596	0.001495	0.008442
1581.9	0.007000	0.213506	0.001495	0.008439
1582.0	0.007000	0.213415	0.001494	0.008435
1582.1	0.007000	0.213273	0.001493	0.008429
1582.2	0.007000	0.213130	0.001492	0.008424
1582.3	0.007000	0.212987	0.001491	0.008418

1582.4	0.006000	0.212843	0.001277	0.007211
1582.5	0.005000	0.212700	0.001063	0.006005
1582.6	0.005000	0.212556	0.001063	0.006001
1582.7	0.004000	0.212413	0.000850	0.004797
1582.8	0.004000	0.212269	0.000849	0.004794
1582.9	0.004000	0.212124	0.000848	0.004791
1583.0	0.004000	0.211980	0.000848	0.004788
1583.1	0.004000	0.211832	0.000847	0.004784
1583.2	0.004000	0.211685	0.000847	0.004781
1583.3	0.004000	0.211536	0.000846	0.004778
1583.4	0.004000	0.211388	0.000846	0.004774
1583.5	0.004000	0.211240	0.000845	0.004771
1583.6	0.004000	0.211091	0.000844	0.004767
1583.7	0.004000	0.210942	0.000844	0.004764
1583.8	0.004000	0.210794	0.000843	0.004761
1583.9	0.004000	0.210644	0.000843	0.004757
1584.0	0.003000	0.210495	0.000631	0.003566
1584.1	0.003000	0.210358	0.000631	0.003563
1584.2	0.003000	0.210221	0.000631	0.003561
1584.3	0.003000	0.210084	0.000630	0.003559
1584.4	0.003000	0.209946	0.000630	0.003556
1584.5	0.003000	0.209809	0.000629	0.003554
1584.6	0.004000	0.209670	0.000839	0.004735
1584.7	0.004000	0.209532	0.000838	0.004732
1584.8	0.004000	0.209394	0.000838	0.004729
1584.9	0.004000	0.209255	0.000837	0.004726
1585.0	0.004000	0.209116	0.000836	0.004723
1585.1	0.005000	0.208974	0.001045	0.005900
1585.2	0.006000	0.208832	0.001253	0.007075
1585.3	0.007000	0.208690	0.001461	0.008248
1585.4	0.007000	0.208547	0.001460	0.008243
1585.5	0.007000	0.208405	0.001459	0.008237
1585.6	0.007000	0.208262	0.001458	0.008231
1585.7	0.007000	0.208119	0.001457	0.008226
1585.8	0.007000	0.207976	0.001456	0.008220
1585.9	0.007000	0.207833	0.001455	0.008214
1586.0	0.007000	0.207690	0.001454	0.008209
1586.1	0.007000	0.207554	0.001453	0.008203
1586.2	0.007000	0.207417	0.001452	0.008198
1586.3	0.007000	0.207281	0.001451	0.008193
1586.4	0.007000	0.207144	0.001450	0.008187
1586.5	0.007000	0.207008	0.001449	0.008182
1586.6	0.007000	0.206871	0.001448	0.008176

1586.7	0.007000	0.206733	0.001447	0.008171
1586.8	0.007000	0.206596	0.001446	0.008165
1586.9	0.007000	0.206458	0.001445	0.008160
1587.0	0.007000	0.206321	0.001444	0.008155
1587.1	0.007000	0.206183	0.001443	0.008149
1587.2	0.007000	0.206045	0.001442	0.008144
1587.3	0.007000	0.205907	0.001441	0.008138
1587.4	0.007000	0.205769	0.001440	0.008133
1587.5	0.007000	0.205631	0.001439	0.008127
1587.6	0.007000	0.205492	0.001438	0.008122
1587.7	0.007000	0.205353	0.001437	0.008116
1587.8	0.006000	0.205214	0.001231	0.006952
1587.9	0.006000	0.205075	0.001230	0.006947
1588.0	0.005000	0.204935	0.001025	0.005786
1588.1	0.005000	0.204772	0.001024	0.005781
1588.2	0.005000	0.204609	0.001023	0.005776
1588.3	0.005000	0.204445	0.001022	0.005772
1588.4	0.005000	0.204282	0.001021	0.005767
1588.5	0.005000	0.204118	0.001021	0.005763
1588.6	0.005000	0.203954	0.001020	0.005758
1588.7	0.005000	0.203790	0.001019	0.005753
1588.8	0.005000	0.203625	0.001018	0.005749
1588.9	0.005000	0.203461	0.001017	0.005744
1589.0	0.005000	0.203296	0.001016	0.005739
1589.1	0.004000	0.203132	0.000813	0.004588
1589.2	0.004000	0.202967	0.000812	0.004584
1589.3	0.004000	0.202803	0.000811	0.004580
1589.4	0.005000	0.202638	0.001013	0.005721
1589.5	0.005000	0.202474	0.001012	0.005716
1589.6	0.005000	0.202308	0.001012	0.005711
1589.7	0.004000	0.202143	0.000809	0.004565
1589.8	0.005000	0.201978	0.001010	0.005702
1589.9	0.005000	0.201812	0.001009	0.005697
1590.0	0.005000	0.201646	0.001008	0.005693
1590.1	0.004000	0.201440	0.000806	0.004550
1590.2	0.004000	0.201234	0.000805	0.004545
1590.3	0.004000	0.201028	0.000804	0.004540
1590.4	0.005000	0.200822	0.001004	0.005669
1590.5	0.005000	0.200615	0.001003	0.005664
1590.6	0.005000	0.200409	0.001002	0.005658
1590.7	0.005000	0.200202	0.001001	0.005652
1590.8	0.005000	0.199996	0.001000	0.005646
1590.9	0.005000	0.199789	0.000999	0.005640

1591.0	0.005000	0.199582	0.000998	0.005634
1591.1	0.006000	0.199374	0.001196	0.006754
1591.2	0.007000	0.199165	0.001394	0.007872
1591.3	0.006000	0.198957	0.001194	0.006740
1591.4	0.005000	0.198749	0.000994	0.005611
1591.5	0.006000	0.198540	0.001191	0.006726
1591.6	0.007000	0.198331	0.001388	0.007839
1591.7	0.006000	0.198123	0.001189	0.006712
1591.8	0.005000	0.197914	0.000990	0.005587
1591.9	0.006000	0.197705	0.001186	0.006698
1592.0	0.006000	0.197497	0.001185	0.006691
1592.1	0.007000	0.197299	0.001381	0.007798
1592.2	0.007000	0.197102	0.001380	0.007790
1592.3	0.007000	0.196904	0.001378	0.007782
1592.4	0.007000	0.196707	0.001377	0.007775
1592.5	0.007000	0.196509	0.001376	0.007767
1592.6	0.007000	0.196312	0.001374	0.007759
1592.7	0.007000	0.196114	0.001373	0.007751
1592.8	0.007000	0.195916	0.001371	0.007743
1592.9	0.007000	0.195719	0.001370	0.007736
1593.0	0.007000	0.195521	0.001369	0.007728
1593.1	0.007000	0.195323	0.001367	0.007720
1593.2	0.007000	0.195125	0.001366	0.007712
1593.3	0.007000	0.194928	0.001364	0.007704
1593.4	0.007000	0.194730	0.001363	0.007696
1593.5	0.007000	0.194532	0.001362	0.007689
1593.6	0.007000	0.194334	0.001360	0.007681
1593.7	0.006000	0.194135	0.001165	0.006577
1593.8	0.005000	0.193937	0.000970	0.005475
1593.9	0.006000	0.193739	0.001162	0.006563
1594.0	0.007000	0.193541	0.001355	0.007649
1594.1	0.006000	0.193310	0.001160	0.006549
1594.2	0.005000	0.193078	0.000965	0.005451
1594.3	0.005000	0.192847	0.000964	0.005444
1594.4	0.005000	0.192616	0.000963	0.005438
1594.5	0.005000	0.192385	0.000962	0.005431
1594.6	0.006000	0.192154	0.001153	0.006510
1594.7	0.006000	0.191923	0.001152	0.006502
1594.8	0.007000	0.191693	0.001342	0.007576
1594.9	0.007000	0.191462	0.001340	0.007567
1595.0	0.006000	0.191231	0.001147	0.006478
1595.1	0.006000	0.191001	0.001146	0.006471
1595.2	0.005000	0.190771	0.000954	0.005386

1595.3	0.004000	0.190542	0.000762	0.004303
1595.4	0.004000	0.190312	0.000761	0.004298
1595.5	0.004000	0.190082	0.000760	0.004293
1595.6	0.004000	0.189853	0.000759	0.004288
1595.7	0.004000	0.189623	0.000758	0.004283
1595.8	0.003000	0.189394	0.000568	0.003208
1595.9	0.003000	0.189164	0.000567	0.003204
1596.0	0.003000	0.188935	0.000567	0.003200
1596.1	0.003000	0.188663	0.000566	0.003196
1596.2	0.003000	0.188391	0.000565	0.003191
1596.3	0.003000	0.188120	0.000564	0.003187
1596.4	0.003000	0.187849	0.000564	0.003182
1596.5	0.003000	0.187578	0.000563	0.003177
1596.6	0.003000	0.187306	0.000562	0.003173
1596.7	0.003000	0.187036	0.000561	0.003168
1596.8	0.003000	0.186765	0.000560	0.003164
1596.9	0.003000	0.186495	0.000559	0.003159
1597.0	0.003000	0.186225	0.000559	0.003154
1597.1	0.003000	0.185954	0.000558	0.003150
1597.2	0.003000	0.185683	0.000557	0.003145
1597.3	0.003000	0.185413	0.000556	0.003141
1597.4	0.003000	0.185142	0.000555	0.003136
1597.5	0.003000	0.184872	0.000555	0.003132
1597.6	0.003000	0.184603	0.000554	0.003127
1597.7	0.003000	0.184333	0.000553	0.003122
1597.8	0.003000	0.184063	0.000552	0.003118
1597.9	0.003000	0.183794	0.000551	0.003113
1598.0	0.003000	0.183525	0.000551	0.003109
1598.1	0.003000	0.183259	0.000550	0.003104
1598.2	0.003000	0.182993	0.000549	0.003100
1598.3	0.003000	0.182728	0.000548	0.003095
1598.4	0.003000	0.182463	0.000547	0.003091
1598.5	0.003000	0.182198	0.000547	0.003086
1598.6	0.003000	0.181933	0.000546	0.003082
1598.7	0.003000	0.181668	0.000545	0.003077
1598.8	0.003000	0.181403	0.000544	0.003073
1598.9	0.003000	0.181139	0.000543	0.003068
1599.0	0.003000	0.180874	0.000543	0.003064
1599.1	0.003000	0.180609	0.000542	0.003059
1599.2	0.003000	0.180343	0.000541	0.003055
1599.3	0.003000	0.180077	0.000540	0.003050
1599.4	0.003000	0.179812	0.000539	0.003046
1599.5	0.003000	0.179547	0.000539	0.003041

1599.6	0.003000	0.179281	0.000538	0.003037
1599.7	0.003000	0.179017	0.000537	0.003032
1599.8	0.003000	0.178752	0.000536	0.003028
1599.9	0.003000	0.178487	0.000535	0.003023
1600.0	0.003000	0.178223	0.000535	0.003019
1600.1	0.003000	0.177924	0.000534	0.003014
1600.2	0.003000	0.177625	0.000533	0.003009
1600.3	0.003000	0.177326	0.000532	0.003004
1600.4	0.003000	0.177027	0.000531	0.002999
1600.5	0.003000	0.176729	0.000530	0.002994
1600.6	0.003000	0.176431	0.000529	0.002989
1600.7	0.003000	0.176134	0.000528	0.002983
1600.8	0.003000	0.175836	0.000528	0.002978
1600.9	0.003000	0.175539	0.000527	0.002973
1601.0	0.003000	0.175242	0.000526	0.002968
1601.1	0.003000	0.174944	0.000525	0.002963
1601.2	0.003000	0.174646	0.000524	0.002958
1601.3	0.003000	0.174349	0.000523	0.002953
1601.4	0.003000	0.174052	0.000522	0.002948
1601.5	0.003000	0.173755	0.000521	0.002943
1601.6	0.003000	0.173458	0.000520	0.002938
1601.7	0.003000	0.173162	0.000519	0.002933
1601.8	0.003000	0.172866	0.000519	0.002928
1601.9	0.003000	0.172570	0.000518	0.002923
1602.0	0.003000	0.172275	0.000517	0.002918
1602.1	0.003000	0.171999	0.000516	0.002913
1602.2	0.003000	0.171723	0.000515	0.002909
1602.3	0.003000	0.171448	0.000514	0.002904
1602.4	0.003000	0.171173	0.000514	0.002899
1602.5	0.003000	0.170898	0.000513	0.002895
1602.6	0.003000	0.170623	0.000512	0.002890
1602.7	0.003000	0.170349	0.000511	0.002885
1602.8	0.003000	0.170074	0.000510	0.002881
1602.9	0.003000	0.169800	0.000509	0.002876
1603.0	0.003000	0.169526	0.000509	0.002872
1603.1	0.003000	0.169251	0.000508	0.002867
1603.2	0.003000	0.168976	0.000507	0.002862
1603.3	0.003000	0.168702	0.000506	0.002858
1603.4	0.003000	0.168427	0.000505	0.002853
1603.5	0.003000	0.168153	0.000504	0.002848
1603.6	0.003000	0.167879	0.000504	0.002844
1603.7	0.003000	0.167605	0.000503	0.002839
1603.8	0.003000	0.167331	0.000502	0.002834

1603.9	0.003000	0.167058	0.000501	0.002830
1604.0	0.003000	0.166785	0.000500	0.002825
1604.1	0.003000	0.166492	0.000499	0.002820
1604.2	0.003000	0.166200	0.000499	0.002815
1604.3	0.003000	0.165908	0.000498	0.002810
1604.4	0.003000	0.165616	0.000497	0.002805
1604.5	0.003000	0.165325	0.000496	0.002800
1604.6	0.003000	0.165034	0.000495	0.002795
1604.7	0.003000	0.164743	0.000494	0.002791
1604.8	0.003000	0.164452	0.000493	0.002786
1604.9	0.003000	0.164162	0.000492	0.002781
1605.0	0.003000	0.163872	0.000492	0.002776
1605.1	0.003000	0.163583	0.000491	0.002771
1605.2	0.003000	0.163295	0.000490	0.002766
1605.3	0.003000	0.163006	0.000489	0.002761
1605.4	0.003000	0.162717	0.000488	0.002756
1605.5	0.003000	0.162429	0.000487	0.002751
1605.6	0.003000	0.162141	0.000486	0.002746
1605.7	0.003000	0.161853	0.000486	0.002742
1605.8	0.004000	0.161566	0.000646	0.003649
1605.9	0.004000	0.161279	0.000645	0.003642
1606.0	0.004000	0.160992	0.000644	0.003636
1606.1	0.004000	0.160708	0.000643	0.003630
1606.2	0.004000	0.160425	0.000642	0.003623
1606.3	0.005000	0.160142	0.000801	0.004521
1606.4	0.005000	0.159859	0.000799	0.004513
1606.5	0.006000	0.159576	0.000957	0.005406
1606.6	0.007000	0.159294	0.001115	0.006296
1606.7	0.007000	0.159012	0.001113	0.006285
1606.8	0.007000	0.158730	0.001111	0.006274
1606.9	0.007000	0.158449	0.001109	0.006262
1607.0	0.007000	0.158168	0.001107	0.006251
1607.1	0.007000	0.157887	0.001105	0.006240
1607.2	0.007000	0.157607	0.001103	0.006229
1607.3	0.007000	0.157328	0.001101	0.006218
1607.4	0.007000	0.157048	0.001099	0.006207
1607.5	0.007000	0.156769	0.001097	0.006196
1607.6	0.007000	0.156491	0.001095	0.006185
1607.7	0.007000	0.156212	0.001093	0.006174
1607.8	0.007000	0.155934	0.001092	0.006163
1607.9	0.007000	0.155656	0.001090	0.006152
1608.0	0.007000	0.155378	0.001088	0.006141
1608.1	0.007000	0.155081	0.001086	0.006129

1608.2	0.007000	0.154785	0.001083	0.006118
1608.3	0.007000	0.154488	0.001081	0.006106
1608.4	0.006000	0.154192	0.000925	0.005224
1608.5	0.004000	0.153897	0.000616	0.003476
1608.6	0.004000	0.153602	0.000614	0.003469
1608.7	0.004000	0.153307	0.000613	0.003462
1608.8	0.004000	0.153013	0.000612	0.003456
1608.9	0.004000	0.152719	0.000611	0.003449
1609.0	0.003000	0.152425	0.000457	0.002582
1609.1	0.003000	0.152131	0.000456	0.002577
1609.2	0.002000	0.151837	0.000304	0.001715
1609.3	0.003000	0.151543	0.000455	0.002567
1609.4	0.003000	0.151250	0.000454	0.002562
1609.5	0.004000	0.150957	0.000604	0.003409
1609.6	0.004000	0.150664	0.000603	0.003403
1609.7	0.004000	0.150372	0.000601	0.003396
1609.8	0.005000	0.150080	0.000750	0.004237
1609.9	0.005000	0.149788	0.000749	0.004229
1610.0	0.006000	0.149497	0.000897	0.005065
1610.1	0.007000	0.149237	0.001045	0.005898
1610.2	0.007000	0.148978	0.001043	0.005888
1610.3	0.007000	0.148720	0.001041	0.005878
1610.4	0.007000	0.148461	0.001039	0.005868
1610.5	0.007000	0.148203	0.001037	0.005858
1610.6	0.007000	0.147946	0.001036	0.005847
1610.7	0.007000	0.147688	0.001034	0.005837
1610.8	0.007000	0.147431	0.001032	0.005827
1610.9	0.007000	0.147174	0.001030	0.005817
1611.0	0.007000	0.146918	0.001028	0.005807
1611.1	0.007000	0.146660	0.001027	0.005797
1611.2	0.007000	0.146402	0.001025	0.005786
1611.3	0.007000	0.146145	0.001023	0.005776
1611.4	0.007000	0.145888	0.001021	0.005766
1611.5	0.007000	0.145632	0.001019	0.005756
1611.6	0.007000	0.145375	0.001018	0.005746
1611.7	0.006000	0.145119	0.000871	0.004916
1611.8	0.005000	0.144864	0.000724	0.004090
1611.9	0.006000	0.144609	0.000868	0.004899
1612.0	0.007000	0.144354	0.001010	0.005705
1612.1	0.006000	0.144107	0.000865	0.004882
1612.2	0.004000	0.143861	0.000575	0.003249
1612.3	0.004000	0.143616	0.000574	0.003244
1612.4	0.005000	0.143370	0.000717	0.004048

1612.5	0.005000	0.143125	0.000716	0.004041
1612.6	0.004000	0.142880	0.000572	0.003227
1612.7	0.004000	0.142635	0.000571	0.003221
1612.8	0.004000	0.142390	0.000570	0.003216
1612.9	0.004000	0.142146	0.000569	0.003210
1613.0	0.004000	0.141902	0.000568	0.003205
1613.1	0.004000	0.141658	0.000567	0.003199
1613.2	0.004000	0.141415	0.000566	0.003194
1613.3	0.004000	0.141171	0.000565	0.003188
1613.4	0.004000	0.140928	0.000564	0.003183
1613.5	0.004000	0.140685	0.000563	0.003177
1613.6	0.004000	0.140443	0.000562	0.003172
1613.7	0.005000	0.140200	0.000701	0.003958
1613.8	0.005000	0.139958	0.000700	0.003951
1613.9	0.005000	0.139716	0.000699	0.003944
1614.0	0.005000	0.139475	0.000697	0.003938
1614.1	0.005000	0.139220	0.000696	0.003930
1614.2	0.005000	0.138965	0.000695	0.003923
1614.3	0.005000	0.138710	0.000694	0.003916
1614.4	0.006000	0.138456	0.000831	0.004691
1614.5	0.006000	0.138202	0.000829	0.004682
1614.6	0.007000	0.137948	0.000966	0.005452
1614.7	0.007000	0.137695	0.000964	0.005442
1614.8	0.007000	0.137442	0.000962	0.005432
1614.9	0.007000	0.137190	0.000960	0.005422
1615.0	0.007000	0.136938	0.000959	0.005412
1615.1	0.007000	0.136685	0.000957	0.005402
1615.2	0.007000	0.136432	0.000955	0.005392
1615.3	0.007000	0.136180	0.000953	0.005382
1615.4	0.007000	0.135927	0.000951	0.005372
1615.5	0.007000	0.135676	0.000950	0.005362
1615.6	0.007000	0.135424	0.000948	0.005352
1615.7	0.007000	0.135173	0.000946	0.005343
1615.8	0.007000	0.134923	0.000944	0.005333
1615.9	0.007000	0.134673	0.000943	0.005323
1616.0	0.007000	0.134423	0.000941	0.005313
1616.1	0.007000	0.134205	0.000939	0.005304
1616.2	0.007000	0.133987	0.000938	0.005296
1616.3	0.007000	0.133770	0.000936	0.005287
1616.4	0.007000	0.133553	0.000935	0.005278
1616.5	0.007000	0.133336	0.000933	0.005270
1616.6	0.007000	0.133120	0.000932	0.005261
1616.7	0.008000	0.132904	0.001063	0.006003

1616.8	0.008000	0.132688	0.001062	0.005994
1616.9	0.008000	0.132473	0.001060	0.005984
1617.0	0.008000	0.132258	0.001058	0.005974
1617.1	0.008000	0.132042	0.001056	0.005964
1617.2	0.008000	0.131826	0.001055	0.005955
1617.3	0.008000	0.131610	0.001053	0.005945
1617.4	0.008000	0.131395	0.001051	0.005935
1617.5	0.008000	0.131180	0.001049	0.005925
1617.6	0.007000	0.130965	0.000917	0.005176
1617.7	0.007000	0.130751	0.000915	0.005168
1617.8	0.007000	0.130537	0.000914	0.005159
1617.9	0.007000	0.130323	0.000912	0.005151
1618.0	0.007000	0.130110	0.000911	0.005142
1618.1	0.007000	0.129898	0.000909	0.005134
1618.2	0.007000	0.129687	0.000908	0.005126
1618.3	0.007000	0.129475	0.000906	0.005117
1618.4	0.007000	0.129265	0.000905	0.005109
1618.5	0.007000	0.129054	0.000903	0.005101
1618.6	0.007000	0.128844	0.000902	0.005092
1618.7	0.006000	0.128635	0.000772	0.004358
1618.8	0.005000	0.128426	0.000642	0.003626
1618.9	0.006000	0.128217	0.000769	0.004344
1619.0	0.007000	0.128009	0.000896	0.005059
1619.1	0.006000	0.127800	0.000767	0.004330
1619.2	0.006000	0.127593	0.000766	0.004323
1619.3	0.004000	0.127385	0.000510	0.002877
1619.4	0.004000	0.127178	0.000509	0.002872
1619.5	0.005000	0.126971	0.000635	0.003585
1619.6	0.005000	0.126765	0.000634	0.003579
1619.7	0.005000	0.126560	0.000633	0.003573
1619.8	0.004000	0.126355	0.000505	0.002854
1619.9	0.004000	0.126150	0.000505	0.002849
1620.0	0.004000	0.125946	0.000504	0.002844
1620.1	0.004000	0.125802	0.000503	0.002841
1620.2	0.004000	0.125658	0.000503	0.002838
1620.3	0.004000	0.125514	0.000502	0.002835
1620.4	0.004000	0.125371	0.000501	0.002832
1620.5	0.004000	0.125228	0.000501	0.002828
1620.6	0.004000	0.125085	0.000500	0.002825
1620.7	0.004000	0.124943	0.000500	0.002822
1620.8	0.004000	0.124802	0.000499	0.002819
1620.9	0.004000	0.124660	0.000499	0.002815
1621.0	0.004000	0.124519	0.000498	0.002812

1621.1	0.004000	0.124379	0.000498	0.002809
1621.2	0.004000	0.124238	0.000497	0.002806
1621.3	0.004000	0.124099	0.000496	0.002803
1621.4	0.004000	0.123959	0.000496	0.002800
1621.5	0.004000	0.123820	0.000495	0.002796
1621.6	0.004000	0.123681	0.000495	0.002793
1621.7	0.004000	0.123543	0.000494	0.002790
1621.8	0.004000	0.123405	0.000494	0.002787
1621.9	0.004000	0.123267	0.000493	0.002784
1622.0	0.004000	0.123130	0.000493	0.002781
1622.1	0.004000	0.122979	0.000492	0.002777
1622.2	0.004000	0.122829	0.000491	0.002774
1622.3	0.004000	0.122679	0.000491	0.002771
1622.4	0.004000	0.122530	0.000490	0.002767
1622.5	0.004000	0.122381	0.000490	0.002764
1622.6	0.004000	0.122232	0.000489	0.002761
1622.7	0.004000	0.122084	0.000488	0.002757
1622.8	0.005000	0.121936	0.000610	0.003442
1622.9	0.007000	0.121788	0.000853	0.004814
1623.0	0.007000	0.121641	0.000851	0.004808
1623.1	0.007000	0.121495	0.000850	0.004802
1623.2	0.007000	0.121349	0.000849	0.004796
1623.3	0.007000	0.121203	0.000848	0.004790
1623.4	0.007000	0.121058	0.000847	0.004785
1623.5	0.007000	0.120913	0.000846	0.004779
1623.6	0.007000	0.120769	0.000845	0.004773
1623.7	0.007000	0.120625	0.000844	0.004768
1623.8	0.007000	0.120481	0.000843	0.004762
1623.9	0.007000	0.120337	0.000842	0.004756
1624.0	0.006000	0.120194	0.000721	0.004072
1624.1	0.005000	0.120058	0.000600	0.003389
1624.2	0.004000	0.119922	0.000480	0.002708
1624.3	0.004000	0.119786	0.000479	0.002705
1624.4	0.004000	0.119651	0.000479	0.002702
1624.5	0.004000	0.119515	0.000478	0.002699
1624.6	0.004000	0.119381	0.000478	0.002696
1624.7	0.004000	0.119246	0.000477	0.002693
1624.8	0.003000	0.119112	0.000357	0.002018
1624.9	0.002000	0.118978	0.000238	0.001344
1625.0	0.002000	0.118844	0.000238	0.001342
1625.1	0.001000	0.118711	0.000119	0.000670
1625.2	0.001000	0.118578	0.000119	0.000670
1625.3	0.001000	0.118445	0.000118	0.000669

1625.4	0.001000	0.118313	0.000118	0.000668
1625.5	0.001000	0.118181	0.000118	0.000667
1625.6	0.001000	0.118049	0.000118	0.000667
1625.7	0.001000	0.117918	0.000118	0.000666
1625.8	0.000000	0.117786	0.000000	0.000000
Channel 13				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2154.1	0.000312	0.397524	0.000124	0.000493
2154.2	0.000583	0.397676	0.000232	0.000920
2154.3	0.000812	0.397827	0.000323	0.001282
2154.4	0.001000	0.397979	0.000398	0.001579
2154.5	0.001084	0.398130	0.000432	0.001713
2154.6	0.001168	0.398717	0.000466	0.001848
2154.7	0.001252	0.398868	0.000500	0.001982
2154.8	0.001336	0.399018	0.000533	0.002116
2154.9	0.001421	0.399167	0.000567	0.002250
2155.0	0.001505	0.399317	0.000601	0.002384
2155.1	0.001589	0.399467	0.000635	0.002519
2155.2	0.001673	0.399617	0.000669	0.002653
2155.3	0.001757	0.399766	0.000702	0.002787
2155.4	0.001841	0.399915	0.000736	0.002922
2155.5	0.001925	0.400064	0.000770	0.003056
2155.6	0.002009	0.400213	0.000804	0.003191
2155.7	0.002093	0.400361	0.000838	0.003326
2155.8	0.002178	0.400508	0.000872	0.003461
2155.9	0.002262	0.401094	0.000907	0.003600
2156.0	0.002346	0.401241	0.000941	0.003735
2156.1	0.002430	0.401645	0.000976	0.003873
2156.2	0.002514	0.402048	0.001011	0.004011
2156.3	0.002598	0.402452	0.001046	0.004149
2156.4	0.002682	0.402855	0.001081	0.004288
2156.5	0.002766	0.403259	0.001116	0.004427
2156.6	0.002851	0.403663	0.001151	0.004566
2156.7	0.002935	0.404067	0.001186	0.004705
2156.8	0.003019	0.404471	0.001221	0.004845
2156.9	0.003103	0.404875	0.001256	0.004985
2157.0	0.003187	0.405279	0.001292	0.005125
2157.1	0.003271	0.405618	0.001327	0.005265
2157.2	0.003355	0.405956	0.001362	0.005405
2157.3	0.003439	0.406295	0.001397	0.005545

2157.4	0.003523	0.406633	0.001433	0.005685
2157.5	0.003608	0.406972	0.001468	0.005826
2157.6	0.003692	0.407311	0.001504	0.005967
2157.7	0.003776	0.407650	0.001539	0.006108
2157.8	0.003860	0.407989	0.001575	0.006249
2157.9	0.003944	0.408327	0.001610	0.006391
2158.0	0.004028	0.408667	0.001646	0.006532
2158.1	0.004112	0.409076	0.001682	0.006675
2158.2	0.004196	0.409485	0.001718	0.006819
2158.3	0.004280	0.409894	0.001755	0.006962
2158.4	0.004365	0.410304	0.001791	0.007106
2158.5	0.004449	0.410713	0.001827	0.007250
2158.6	0.004533	0.411123	0.001863	0.007395
2158.7	0.004617	0.411534	0.001900	0.007540
2158.8	0.004701	0.411944	0.001937	0.007685
2158.9	0.004785	0.412355	0.001973	0.007830
2159.0	0.004869	0.412766	0.002010	0.007976
2159.1	0.004953	0.413137	0.002046	0.008121
2159.2	0.005037	0.413509	0.002083	0.008266
2159.3	0.005122	0.413881	0.002120	0.008411
2159.4	0.005206	0.414289	0.002157	0.008558
2159.5	0.005290	0.414755	0.002194	0.008706
2159.6	0.005374	0.415222	0.002231	0.008854
2159.7	0.005458	0.415688	0.002269	0.009003
2159.8	0.005542	0.416155	0.002306	0.009152
2159.9	0.005626	0.416554	0.002344	0.009300
2160.0	0.005710	0.416928	0.002381	0.009448
2160.1	0.005794	0.417097	0.002417	0.009591
2160.2	0.005879	0.417267	0.002453	0.009734
2160.3	0.005963	0.417436	0.002489	0.009877
2160.4	0.006047	0.417605	0.002525	0.010020
2160.5	0.006131	0.417775	0.002561	0.010164
2160.6	0.006215	0.417944	0.002598	0.010308
2160.7	0.006299	0.418113	0.002634	0.010451
2160.8	0.006383	0.418282	0.002670	0.010595
2160.9	0.006467	0.418451	0.002706	0.010739
2161.0	0.006551	0.418620	0.002743	0.010883
2161.1	0.006635	0.418813	0.002779	0.011028
2161.2	0.006720	0.419179	0.002817	0.011177
2161.3	0.006804	0.419631	0.002855	0.011330
2161.4	0.006888	0.419824	0.002892	0.011475
2161.5	0.006972	0.420018	0.002928	0.011621
2161.6	0.007056	0.420211	0.002965	0.011766

2161.7	0.007140	0.420403	0.003002	0.011912
2161.8	0.007224	0.420596	0.003039	0.012058
2161.9	0.007308	0.420789	0.003075	0.012204
2162.0	0.007392	0.420982	0.003112	0.012350
2162.1	0.007477	0.421210	0.003149	0.012497
2162.2	0.007561	0.421439	0.003186	0.012644
2162.3	0.007645	0.421667	0.003224	0.012792
2162.4	0.007729	0.421895	0.003261	0.012940
2162.5	0.007813	0.422123	0.003298	0.013088
2162.6	0.007897	0.422351	0.003335	0.013236
2162.7	0.007981	0.422580	0.003373	0.013384
2162.8	0.008065	0.423270	0.003414	0.013547
2162.9	0.008150	0.423498	0.003451	0.013696
2163.0	0.008234	0.423727	0.003489	0.013844
2163.1	0.008318	0.423964	0.003526	0.013994
2163.2	0.008402	0.424201	0.003564	0.014143
2163.3	0.008486	0.424438	0.003602	0.014293
2163.4	0.008570	0.424675	0.003640	0.014443
2163.5	0.008654	0.424912	0.003677	0.014592
2163.6	0.008738	0.425149	0.003715	0.014742
2163.7	0.008822	0.425386	0.003753	0.014893
2163.8	0.008906	0.425623	0.003791	0.015043
2163.9	0.008991	0.425860	0.003829	0.015194
2164.0	0.009075	0.426096	0.003867	0.015344
2164.1	0.009159	0.426619	0.003907	0.015505
2164.2	0.009243	0.427142	0.003948	0.015667
2164.3	0.009327	0.427665	0.003989	0.015829
2164.4	0.009411	0.428188	0.004030	0.015991
2164.5	0.009495	0.428712	0.004071	0.016154
2164.6	0.009579	0.429237	0.004112	0.016317
2164.7	0.009664	0.429761	0.004153	0.016480
2164.8	0.009748	0.430286	0.004194	0.016644
2164.9	0.009832	0.430812	0.004236	0.016808
2165.0	0.009916	0.431338	0.004277	0.016973
2165.1	0.010000	0.431816	0.004318	0.017136
2165.2	0.011109	0.432294	0.004802	0.019057
2165.3	0.012312	0.432775	0.005328	0.021144
2165.4	0.013500	0.433256	0.005849	0.023210
2165.5	0.014233	0.433737	0.006173	0.024498
2165.6	0.014726	0.434219	0.006394	0.025374
2165.7	0.015053	0.434701	0.006544	0.025967
2165.8	0.015286	0.435183	0.006652	0.026398
2165.9	0.015500	0.435665	0.006753	0.026797

2166.0	0.015752	0.436148	0.006870	0.027263
2166.1	0.016037	0.436347	0.006998	0.027769
2166.2	0.016337	0.436546	0.007132	0.028301
2166.3	0.016631	0.436744	0.007263	0.028823
2166.4	0.016900	0.436943	0.007384	0.029303
2166.5	0.017132	0.437141	0.007489	0.029719
2166.6	0.017343	0.437818	0.007593	0.030131
2166.7	0.017559	0.438016	0.007691	0.030520
2166.8	0.017803	0.438215	0.007802	0.030959
2166.9	0.018100	0.438413	0.007935	0.031489
2167.0	0.018471	0.438454	0.008099	0.032138
2167.1	0.018923	0.438357	0.008295	0.032917
2167.2	0.019459	0.438554	0.008534	0.033864
2167.3	0.020083	0.438751	0.008811	0.034966
2167.4	0.020800	0.438948	0.009130	0.036231
2167.5	0.021608	0.439145	0.009489	0.037655
2167.6	0.022492	0.439342	0.009882	0.039213
2167.7	0.023432	0.439539	0.010299	0.040870
2167.8	0.024408	0.439735	0.010733	0.042592
2167.9	0.025400	0.439932	0.011174	0.044342
2168.0	0.026393	0.440129	0.011616	0.046097
2168.1	0.027391	0.440349	0.012062	0.047864
2168.2	0.028402	0.440570	0.012513	0.049655
2168.3	0.029436	0.440791	0.012975	0.051489
2168.4	0.030500	0.441011	0.013451	0.053376
2168.5	0.031606	0.441232	0.013946	0.055340
2168.6	0.032776	0.441452	0.014469	0.057417
2168.7	0.034032	0.441673	0.015031	0.059647
2168.8	0.035399	0.441893	0.015643	0.062074
2168.9	0.036900	0.442113	0.016314	0.064738
2169.0	0.038556	0.442334	0.017055	0.067677
2169.1	0.040378	0.442562	0.017870	0.070912
2169.2	0.042371	0.442790	0.018761	0.074450
2169.3	0.044543	0.443018	0.019733	0.078307
2169.4	0.046900	0.443246	0.020788	0.082493
2169.5	0.049442	0.443474	0.021926	0.087009
2169.6	0.052141	0.443703	0.023135	0.091806
2169.7	0.054957	0.443931	0.024397	0.096814
2169.8	0.057856	0.444159	0.025697	0.101973
2169.9	0.060800	0.444387	0.027019	0.107217
2170.0	0.063760	0.444615	0.028349	0.112495
2170.1	0.066739	0.444963	0.029696	0.117843
2170.2	0.069749	0.445371	0.031064	0.123271

2170.3	0.072799	0.445819	0.032455	0.128791
2170.4	0.075900	0.446267	0.033872	0.134412
2170.5	0.079068	0.446716	0.035321	0.140163
2170.6	0.082335	0.447164	0.036817	0.146101
2170.7	0.085739	0.447523	0.038370	0.152263
2170.8	0.089315	0.447872	0.040002	0.158737
2170.9	0.093100	0.448222	0.041729	0.165593
2171.0	0.097127	0.448571	0.043568	0.172891
2171.1	0.101410	0.448894	0.045522	0.180645
2171.2	0.105960	0.449217	0.047599	0.188885
2171.3	0.110790	0.449540	0.049804	0.197637
2171.4	0.115900	0.449863	0.052139	0.206902
2171.5	0.121300	0.450186	0.054608	0.216697
2171.6	0.126980	0.450509	0.057206	0.227007
2171.7	0.132900	0.450832	0.059916	0.237761
2171.8	0.139050	0.451156	0.062733	0.248942
2171.9	0.145400	0.451480	0.065645	0.260497
2172.0	0.151930	0.451804	0.068643	0.272392
2172.1	0.158610	0.451918	0.071679	0.284440
2172.2	0.165450	0.452033	0.074789	0.296782
2172.3	0.172410	0.452147	0.077955	0.309344
2172.4	0.179500	0.452261	0.081181	0.322147
2172.5	0.186700	0.452375	0.084458	0.335153
2172.6	0.194010	0.452489	0.087787	0.348363
2172.7	0.201460	0.452603	0.091181	0.361832
2172.8	0.209050	0.452717	0.094640	0.375558
2172.9	0.216800	0.452830	0.098174	0.389579
2173.0	0.224720	0.452944	0.101786	0.403912
2173.1	0.232820	0.453055	0.105480	0.418574
2173.2	0.241110	0.453167	0.109263	0.433584
2173.3	0.249600	0.453278	0.113138	0.448962
2173.4	0.258300	0.453389	0.117110	0.464725
2173.5	0.267200	0.453500	0.121175	0.480855
2173.6	0.276280	0.453611	0.125324	0.497317
2173.7	0.285490	0.453722	0.129533	0.514022
2173.8	0.294770	0.453833	0.133776	0.530860
2173.9	0.304100	0.453944	0.138044	0.547796
2174.0	0.313420	0.454054	0.142310	0.564722
2174.1	0.322690	0.454351	0.146615	0.581805
2174.2	0.331880	0.454648	0.150888	0.598765
2174.3	0.340930	0.454944	0.155104	0.615494
2174.4	0.349800	0.455241	0.159243	0.631920
2174.5	0.358470	0.455538	0.163297	0.648005

2174.6	0.366930	0.455835	0.167260	0.663730
2174.7	0.375220	0.456133	0.171150	0.679169
2174.8	0.383330	0.456430	0.174963	0.694300
2174.9	0.391300	0.456727	0.178717	0.709198
2175.0	0.399130	0.457025	0.182412	0.723860
2175.1	0.406820	0.457310	0.186043	0.738267
2175.2	0.414370	0.457596	0.189614	0.752438
2175.3	0.421760	0.457881	0.193116	0.766335
2175.4	0.429000	0.458167	0.196554	0.779976
2175.5	0.436070	0.458453	0.199917	0.793325
2175.6	0.442950	0.458738	0.203198	0.806344
2175.7	0.449630	0.459024	0.206391	0.819014
2175.8	0.456090	0.459310	0.209487	0.831298
2175.9	0.462300	0.459596	0.212471	0.843142
2176.0	0.468250	0.459882	0.215340	0.854525
2176.1	0.473940	0.460161	0.218089	0.865433
2176.2	0.479380	0.460440	0.220726	0.875897
2176.3	0.484560	0.460719	0.223246	0.885898
2176.4	0.489500	0.461501	0.225905	0.896448
2176.5	0.494190	0.461780	0.228207	0.905586
2176.6	0.498660	0.462060	0.230411	0.914330
2176.7	0.502920	0.462339	0.232520	0.922698
2176.8	0.507000	0.462618	0.234548	0.930746
2176.9	0.510900	0.462898	0.236495	0.938473
2177.0	0.514640	0.463178	0.238370	0.945914
2177.1	0.518220	0.463423	0.240155	0.952998
2177.2	0.521600	0.463668	0.241849	0.959721
2177.3	0.524760	0.463913	0.243443	0.966046
2177.4	0.527700	0.464159	0.244936	0.971972
2177.5	0.530380	0.464404	0.246311	0.977425
2177.6	0.532790	0.464649	0.247560	0.982385
2177.7	0.534890	0.464895	0.248668	0.986779
2177.8	0.536670	0.465647	0.249899	0.991665
2177.9	0.538100	0.465893	0.250697	0.994832
2178.0	0.539160	0.466139	0.251324	0.997318
2178.1	0.539870	0.466237	0.251707	0.998841
2178.2	0.540230	0.466335	0.251928	0.999717
2178.3	0.540270	0.466432	0.251999	1.000000
2178.4	0.540000	0.466530	0.251926	0.999709
2178.5	0.539440	0.466628	0.251718	0.998881
2178.6	0.538620	0.466725	0.251387	0.997572
2178.7	0.537580	0.466823	0.250954	0.995853
2178.8	0.536360	0.466920	0.250437	0.993800

2178.9	0.535000	0.467525	0.250126	0.992566
2179.0	0.533530	0.467623	0.249491	0.990046
2179.1	0.531950	0.467700	0.248793	0.987276
2179.2	0.530260	0.467777	0.248043	0.984301
2179.3	0.528440	0.467853	0.247232	0.981083
2179.4	0.526500	0.467930	0.246365	0.977641
2179.5	0.524420	0.468006	0.245432	0.973938
2179.6	0.522180	0.468083	0.244423	0.969936
2179.7	0.519760	0.468159	0.243330	0.965599
2179.8	0.517140	0.468236	0.242143	0.960888
2179.9	0.514300	0.468312	0.240853	0.955767
2180.0	0.511220	0.468388	0.239449	0.950198
2180.1	0.507910	0.468963	0.238191	0.945205
2180.2	0.504410	0.469029	0.236583	0.938823
2180.3	0.500730	0.469094	0.234890	0.932104
2180.4	0.496900	0.469160	0.233126	0.925104
2180.5	0.492940	0.469225	0.231300	0.917859
2180.6	0.488880	0.469291	0.229427	0.910426
2180.7	0.484740	0.469356	0.227516	0.902842
2180.8	0.480540	0.469422	0.225576	0.895144
2180.9	0.476300	0.469487	0.223617	0.887370
2181.0	0.472050	0.469553	0.221652	0.879575
2181.1	0.467800	0.469591	0.219675	0.871727
2181.2	0.463550	0.469630	0.217697	0.863879
2181.3	0.459320	0.469669	0.215728	0.856066
2181.4	0.455100	0.469707	0.213764	0.848271
2181.5	0.450910	0.469746	0.211813	0.840530
2181.6	0.446760	0.469785	0.209881	0.832863
2181.7	0.442650	0.469823	0.207967	0.825269
2181.8	0.438590	0.469862	0.206077	0.817767
2181.9	0.434600	0.469901	0.204219	0.810394
2182.0	0.430680	0.469939	0.202393	0.803150
2182.1	0.426830	0.470092	0.200649	0.796229
2182.2	0.423080	0.470244	0.198951	0.789489
2182.3	0.419430	0.470396	0.197298	0.782932
2182.4	0.415900	0.470549	0.195701	0.776594
2182.5	0.412490	0.470701	0.194160	0.770476
2182.6	0.409210	0.470854	0.192678	0.764598
2182.7	0.406050	0.471007	0.191252	0.758939
2182.8	0.403010	0.471159	0.189882	0.753501
2182.9	0.400100	0.471312	0.188572	0.748303
2183.0	0.397310	0.471464	0.187318	0.743325
2183.1	0.394630	0.471643	0.186124	0.738591

2183.2	0.392040	0.471822	0.184973	0.734022
2183.3	0.389530	0.472513	0.184058	0.730391
2183.4	0.387100	0.472692	0.182979	0.726109
2183.5	0.384730	0.472871	0.181928	0.721937
2183.6	0.382420	0.473050	0.180904	0.717874
2183.7	0.380190	0.473229	0.179917	0.713957
2183.8	0.378040	0.473408	0.178967	0.710189
2183.9	0.376000	0.473587	0.178069	0.706623
2184.0	0.374060	0.473766	0.177217	0.703243
2184.1	0.372230	0.473927	0.176410	0.700040
2184.2	0.370510	0.474087	0.175654	0.697042
2184.3	0.368900	0.474248	0.174950	0.694248
2184.4	0.367400	0.474409	0.174298	0.691659
2184.5	0.366010	0.474569	0.173697	0.689276
2184.6	0.364720	0.474730	0.173144	0.687079
2184.7	0.363520	0.474893	0.172633	0.685053
2184.8	0.362420	0.475055	0.172170	0.683214
2184.9	0.361400	0.475218	0.171744	0.681524
2185.0	0.360460	0.475380	0.171356	0.679984
2185.1	0.359590	0.475579	0.171013	0.678626
2185.2	0.358800	0.476294	0.170894	0.678153
2185.3	0.358070	0.476493	0.170618	0.677057
2185.4	0.357400	0.476692	0.170370	0.676072
2185.5	0.356800	0.476891	0.170155	0.675219
2185.6	0.356280	0.477090	0.169978	0.674516
2185.7	0.355860	0.477289	0.169848	0.674002
2185.8	0.355560	0.477489	0.169776	0.673715
2185.9	0.355400	0.477688	0.169770	0.673693
2186.0	0.355400	0.477887	0.169841	0.673974
2186.1	0.355540	0.478041	0.169963	0.674457
2186.2	0.355800	0.478195	0.170142	0.675168
2186.3	0.356160	0.478429	0.170397	0.676181
2186.4	0.356600	0.478997	0.170810	0.677820
2186.5	0.357100	0.479151	0.171105	0.678989
2186.6	0.357650	0.479305	0.171424	0.680254
2186.7	0.358210	0.479460	0.171747	0.681538
2186.8	0.358770	0.479614	0.172071	0.682823
2186.9	0.359300	0.480288	0.172568	0.684793
2187.0	0.359790	0.480369	0.172832	0.685843
2187.1	0.360220	0.480070	0.172931	0.686235
2187.2	0.360610	0.480192	0.173162	0.687152
2187.3	0.360930	0.480313	0.173359	0.687936
2187.4	0.361200	0.480435	0.173533	0.688624

2187.5	0.361410	0.480556	0.173678	0.689199
2187.6	0.361560	0.480678	0.173794	0.689660
2187.7	0.361690	0.480799	0.173900	0.690082
2187.8	0.361800	0.481021	0.174033	0.690610
2187.9	0.361900	0.481248	0.174164	0.691127
2188.0	0.362010	0.481475	0.174299	0.691663
2188.1	0.362130	0.481732	0.174450	0.692262
2188.2	0.362260	0.481973	0.174600	0.692857
2188.3	0.362380	0.482125	0.174712	0.693305
2188.4	0.362500	0.482277	0.174825	0.693753
2188.5	0.362610	0.482429	0.174934	0.694182
2188.6	0.362710	0.482581	0.175037	0.694593
2188.7	0.362810	0.482733	0.175140	0.695003
2188.8	0.362900	0.483408	0.175429	0.696148
2188.9	0.363000	0.483561	0.175533	0.696559
2189.0	0.363100	0.483713	0.175636	0.696970
2189.1	0.363210	0.483851	0.175739	0.697380
2189.2	0.363310	0.483988	0.175838	0.697770
2189.3	0.363410	0.484126	0.175936	0.698161
2189.4	0.363500	0.484263	0.176030	0.698532
2189.5	0.363580	0.484401	0.176118	0.698884
2189.6	0.363630	0.484538	0.176193	0.699178
2189.7	0.363660	0.484676	0.176257	0.699435
2189.8	0.363650	0.484813	0.176302	0.699614
2189.9	0.363600	0.484951	0.176328	0.699716
2190.0	0.363500	0.485088	0.176330	0.699722
2190.1	0.363360	0.485362	0.176361	0.699847
2190.2	0.363180	0.485636	0.176373	0.699896
2190.3	0.362960	0.485910	0.176366	0.699867
2190.4	0.362700	0.486185	0.176339	0.699760
2190.5	0.362410	0.486459	0.176298	0.699595
2190.6	0.362090	0.486754	0.176249	0.699401
2190.7	0.361740	0.487135	0.176216	0.699272
2190.8	0.361340	0.487516	0.176159	0.699046
2190.9	0.360900	0.487898	0.176082	0.698741
2191.0	0.360410	0.488279	0.175981	0.698338
2191.1	0.359880	0.488613	0.175842	0.697788
2191.2	0.359320	0.488882	0.175665	0.697086
2191.3	0.358720	0.489152	0.175469	0.696306
2191.4	0.358100	0.489422	0.175262	0.695486
2191.5	0.357460	0.490222	0.175235	0.695377
2191.6	0.356810	0.490492	0.175012	0.694495
2191.7	0.356140	0.490762	0.174780	0.693572

2191.8	0.355470	0.491032	0.174547	0.692649
2191.9	0.354800	0.491302	0.174314	0.691724
2192.0	0.354120	0.491573	0.174076	0.690778
2192.1	0.353430	0.492156	0.173943	0.690250
2192.2	0.352710	0.492208	0.173607	0.688917
2192.3	0.351930	0.492260	0.173241	0.687466
2192.4	0.351100	0.492312	0.172851	0.685917
2192.5	0.350190	0.492895	0.172607	0.684950
2192.6	0.349200	0.492947	0.172137	0.683085
2192.7	0.348140	0.492999	0.171633	0.681083
2192.8	0.347000	0.493050	0.171088	0.678924
2192.9	0.345800	0.493102	0.170515	0.676647
2193.0	0.344520	0.493153	0.169901	0.674213
2193.1	0.343160	0.493718	0.169424	0.672320
2193.2	0.341700	0.493750	0.168714	0.669503
2193.3	0.340120	0.493783	0.167945	0.666451
2193.4	0.338400	0.493815	0.167107	0.663124
2193.5	0.336530	0.493847	0.166194	0.659503
2193.6	0.334510	0.493879	0.165208	0.655587
2193.7	0.332340	0.493912	0.164147	0.651377
2193.8	0.330040	0.493944	0.163021	0.646911
2193.9	0.327600	0.494508	0.162001	0.642861
2194.0	0.325040	0.494540	0.160745	0.637880
2194.1	0.322370	0.494629	0.159454	0.632754
2194.2	0.319620	0.494718	0.158122	0.627468
2194.3	0.316820	0.494806	0.156765	0.622083
2194.4	0.314000	0.494895	0.155397	0.616656
2194.5	0.311170	0.494983	0.154024	0.611208
2194.6	0.308350	0.495072	0.152655	0.605777
2194.7	0.305540	0.495161	0.151291	0.600364
2194.8	0.302750	0.495249	0.149937	0.594988
2194.9	0.300000	0.495338	0.148601	0.589689
2195.0	0.297280	0.495427	0.147280	0.584448
2195.1	0.294560	0.495528	0.145963	0.579218
2195.2	0.291830	0.495629	0.144639	0.573967
2195.3	0.289050	0.495729	0.143291	0.568615
2195.4	0.286200	0.495830	0.141907	0.563123
2195.5	0.283250	0.495931	0.140473	0.557432
2195.6	0.280190	0.496032	0.138983	0.551522
2195.7	0.277050	0.496133	0.137454	0.545452
2195.8	0.273810	0.496234	0.135874	0.539183
2195.9	0.270500	0.496335	0.134259	0.532774
2196.0	0.267110	0.496970	0.132746	0.526769

2196.1	0.263680	0.497125	0.131082	0.520167
2196.2	0.260230	0.497280	0.129407	0.513522
2196.3	0.256800	0.497435	0.127741	0.506911
2196.4	0.253400	0.497590	0.126089	0.500356
2196.5	0.250070	0.497746	0.124471	0.493935
2196.6	0.246810	0.497901	0.122887	0.487648
2196.7	0.243630	0.498056	0.121341	0.481515
2196.8	0.240530	0.498212	0.119835	0.475536
2196.9	0.237500	0.498367	0.118362	0.469692
2197.0	0.234550	0.498523	0.116928	0.464003
2197.1	0.231670	0.498654	0.115523	0.458426
2197.2	0.228860	0.498785	0.114152	0.452985
2197.3	0.226110	0.498917	0.112810	0.447660
2197.4	0.223400	0.499048	0.111487	0.442411
2197.5	0.220730	0.499180	0.110184	0.437239
2197.6	0.218100	0.499311	0.108900	0.432143
2197.7	0.215470	0.499443	0.107615	0.427045
2197.8	0.212840	0.499575	0.106329	0.421943
2197.9	0.210200	0.499706	0.105038	0.416819
2198.0	0.207530	0.499838	0.103731	0.411633
2198.1	0.204820	0.499848	0.102379	0.406266
2198.2	0.202080	0.500396	0.101120	0.401271
2198.3	0.199310	0.500406	0.099736	0.395779
2198.4	0.196500	0.500417	0.098332	0.390207
2198.5	0.193660	0.500427	0.096913	0.384575
2198.6	0.190770	0.500438	0.095469	0.378844
2198.7	0.187850	0.500448	0.094009	0.373053
2198.8	0.184900	0.500459	0.092535	0.367202
2198.9	0.181900	0.500469	0.091035	0.361252
2199.0	0.178860	0.500479	0.089516	0.355222
2199.1	0.175790	0.500450	0.087974	0.349105
2199.2	0.172690	0.500421	0.086418	0.342928
2199.3	0.169560	0.500392	0.084847	0.336693
2199.4	0.166400	0.500363	0.083260	0.330399
2199.5	0.163230	0.500334	0.081670	0.324086
2199.6	0.160050	0.500842	0.080160	0.318095
2199.7	0.156890	0.500813	0.078573	0.311797
2199.8	0.153770	0.500784	0.077006	0.305578
2199.9	0.150700	0.500755	0.075464	0.299460
2200.0	0.147700	0.500726	0.073957	0.293482
2200.1	0.144780	0.500834	0.072511	0.287742
2200.2	0.141940	0.500943	0.071104	0.282159
2200.3	0.139170	0.501051	0.069731	0.276712

2200.4	0.136500	0.501159	0.068408	0.271462
2200.5	0.133910	0.501267	0.067125	0.266369
2200.6	0.131390	0.501376	0.065876	0.261412
2200.7	0.128910	0.501484	0.064646	0.256534
2200.8	0.126450	0.501593	0.063426	0.251693
2200.9	0.124000	0.501702	0.062211	0.246870
2201.0	0.121530	0.502348	0.061050	0.242264
2201.1	0.119050	0.502480	0.059820	0.237383
2201.2	0.116580	0.502613	0.058595	0.232519
2201.3	0.114130	0.502745	0.057378	0.227692
2201.4	0.111700	0.502878	0.056171	0.222903
2201.5	0.109310	0.503010	0.054984	0.218191
2201.6	0.106980	0.503143	0.053826	0.213596
2201.7	0.104690	0.503275	0.052688	0.209079
2201.8	0.102460	0.503407	0.051579	0.204680
2201.9	0.100300	0.503540	0.050505	0.200417
2202.0	0.098202	0.503672	0.049462	0.196277
2202.1	0.096148	0.503907	0.048450	0.192261
2202.2	0.094114	0.504142	0.047447	0.188281
2202.3	0.092073	0.504377	0.046439	0.184284
2202.4	0.090000	0.505152	0.045464	0.180412
2202.5	0.087878	0.505387	0.044412	0.176240
2202.6	0.085723	0.505622	0.043343	0.171998
2202.7	0.083559	0.505857	0.042269	0.167734
2202.8	0.081410	0.506092	0.041201	0.163496
2202.9	0.079300	0.506328	0.040152	0.159333
2203.0	0.077253	0.506563	0.039134	0.155292
2203.1	0.075290	0.506827	0.038159	0.151425
2203.2	0.073430	0.507092	0.037236	0.147761
2203.3	0.071693	0.507356	0.036374	0.144341
2203.4	0.070100	0.507620	0.035584	0.141207
2203.5	0.068663	0.507885	0.034873	0.138385
2203.6	0.067368	0.508149	0.034233	0.135845
2203.7	0.066190	0.508414	0.033652	0.133540
2203.8	0.065109	0.508678	0.033120	0.131427
2203.9	0.064100	0.508943	0.032623	0.129458
2204.0	0.063141	0.509208	0.032152	0.127587
2204.1	0.062201	0.509299	0.031679	0.125710
2204.2	0.061252	0.509390	0.031201	0.123814
2204.3	0.060261	0.510026	0.030735	0.121963
2204.4	0.059200	0.510117	0.030199	0.119837
2204.5	0.058048	0.510207	0.029617	0.117526
2204.6	0.056828	0.510298	0.028999	0.115077

2204.7	0.055574	0.510389	0.028364	0.112557
2204.8	0.054320	0.510480	0.027729	0.110037
2204.9	0.053100	0.510571	0.027111	0.107585
2205.0	0.051939	0.510661	0.026523	0.105251
2205.1	0.050827	0.510698	0.025957	0.103005
2205.2	0.049746	0.510735	0.025407	0.100822
2205.3	0.048676	0.510771	0.024862	0.098660
2205.4	0.047600	0.510808	0.024314	0.096486
2205.5	0.046503	0.510845	0.023756	0.094269
2205.6	0.045387	0.510881	0.023187	0.092014
2205.7	0.044260	0.510918	0.022613	0.089735
2205.8	0.043129	0.510955	0.022037	0.087448
2205.9	0.042000	0.510991	0.021462	0.085165
2206.0	0.040882	0.511028	0.020892	0.082904
2206.1	0.039783	0.511112	0.020334	0.080689
2206.2	0.038713	0.511196	0.019790	0.078532
2206.3	0.037682	0.511281	0.019266	0.076453
2206.4	0.036700	0.511365	0.018767	0.074473
2206.5	0.035772	0.511450	0.018296	0.072602
2206.6	0.034891	0.511534	0.017848	0.070825
2206.7	0.034043	0.511619	0.017417	0.069115
2206.8	0.033217	0.512250	0.017015	0.067522
2206.9	0.032400	0.512335	0.016600	0.065872
2207.0	0.031579	0.512419	0.016182	0.064213
2207.1	0.030737	0.512436	0.015751	0.062503
2207.2	0.029856	0.512453	0.015300	0.060714
2207.3	0.028916	0.512470	0.014819	0.058804
2207.4	0.027900	0.512488	0.014298	0.056740
2207.5	0.026796	0.512505	0.013733	0.054496
2207.6	0.025620	0.512522	0.013131	0.052106
2207.7	0.024397	0.512539	0.012504	0.049621
2207.8	0.023149	0.512556	0.011865	0.047084
2207.9	0.021900	0.512573	0.011225	0.044545
2208.0	0.020673	0.512590	0.010597	0.042051
2208.1	0.019489	0.512718	0.009992	0.039652
2208.2	0.018368	0.512847	0.009420	0.037381
2208.3	0.017332	0.512975	0.008891	0.035281
2208.4	0.016400	0.513103	0.008415	0.033393
2208.5	0.015590	0.513232	0.008001	0.031751
2208.6	0.014904	0.513360	0.007651	0.030362
2208.7	0.014344	0.514037	0.007373	0.029259
2208.8	0.013910	0.514165	0.007152	0.028381
2208.9	0.013600	0.514294	0.006994	0.027756

2209.0	0.013412	0.514422	0.006899	0.027379
2209.1	0.013329	0.514591	0.006859	0.027218
2209.2	0.013330	0.515254	0.006868	0.027255
2209.3	0.013394	0.515460	0.006904	0.027397
2209.4	0.013500	0.515630	0.006961	0.027623
2209.5	0.013630	0.515799	0.007030	0.027898
2209.6	0.013772	0.515969	0.007106	0.028198
2209.7	0.013920	0.516138	0.007185	0.028511
2209.8	0.014066	0.516308	0.007262	0.028819
2209.9	0.014200	0.516477	0.007334	0.029103
2210.0	0.014317	0.516647	0.007397	0.029353
2210.1	0.014415	0.516657	0.007448	0.029554
2210.2	0.014494	0.516666	0.007489	0.029717
2210.3	0.014556	0.516676	0.007521	0.029844
2210.4	0.014600	0.516685	0.007544	0.029935
2210.5	0.014622	0.516206	0.007548	0.029952
2210.6	0.014600	0.516173	0.007536	0.029905
2210.7	0.014507	0.516183	0.007488	0.029715
2210.8	0.014316	0.516192	0.007390	0.029325
2210.9	0.014000	0.516202	0.007227	0.028678
2211.0	0.013428	0.516211	0.006932	0.027507
2211.1	0.012661	0.516278	0.006537	0.025939
2211.2	0.011816	0.516344	0.006101	0.024211
2211.3	0.011012	0.516410	0.005687	0.022566
2211.4	0.010367	0.516476	0.005354	0.021247
2211.5	0.010000	0.516542	0.005165	0.020498
2211.6	0.009925	0.516608	0.005127	0.020347
2211.7	0.009850	0.516674	0.005089	0.020195
2211.8	0.009775	0.516740	0.005051	0.020044
2211.9	0.009700	0.516807	0.005013	0.019893
2212.0	0.009625	0.517424	0.004980	0.019763
2212.1	0.009550	0.517554	0.004943	0.019614
2212.2	0.009475	0.517683	0.004905	0.019465
2212.3	0.009400	0.517813	0.004867	0.019315
2212.4	0.009325	0.517955	0.004830	0.019166
2212.5	0.009250	0.518196	0.004793	0.019021
2212.6	0.009175	0.518437	0.004757	0.018876
2212.7	0.009100	0.518679	0.004720	0.018730
2212.8	0.009025	0.519472	0.004688	0.018604
2212.9	0.008950	0.519690	0.004651	0.018457
2213.0	0.008875	0.519821	0.004613	0.018307
2213.1	0.008800	0.519909	0.004575	0.018156
2213.2	0.008725	0.519997	0.004537	0.018004

2213.3	0.008650	0.520085	0.004499	0.017852
2213.4	0.008575	0.519620	0.004456	0.017682
2213.5	0.008500	0.519708	0.004418	0.017530
2213.6	0.008425	0.520350	0.004384	0.017397
2213.7	0.008350	0.520439	0.004346	0.017245
2213.8	0.008275	0.520527	0.004307	0.017093
2213.9	0.008200	0.520615	0.004269	0.016941
2214.0	0.008125	0.520703	0.004231	0.016789
2214.1	0.008050	0.520917	0.004193	0.016640
2214.2	0.007975	0.521131	0.004156	0.016492
2214.3	0.007900	0.521345	0.004119	0.016344
2214.4	0.007825	0.521559	0.004081	0.016195
2214.5	0.007750	0.521773	0.004044	0.016047
2214.6	0.007675	0.521987	0.004006	0.015898
2214.7	0.007600	0.522201	0.003969	0.015749
2214.8	0.007525	0.522415	0.003931	0.015600
2214.9	0.007450	0.522629	0.003894	0.015451
2215.0	0.007375	0.522843	0.003856	0.015301
2215.1	0.007300	0.523023	0.003818	0.015151
2215.2	0.007225	0.523203	0.003780	0.015001
2215.3	0.007150	0.523383	0.003742	0.014850
2215.4	0.007075	0.523563	0.003704	0.014699
2215.5	0.007000	0.523742	0.003666	0.014548
2215.6	0.006925	0.523922	0.003628	0.014397
2215.7	0.006850	0.524660	0.003594	0.014262
2215.8	0.006775	0.524840	0.003556	0.014110
2215.9	0.006700	0.525020	0.003518	0.013959
2216.0	0.006625	0.525201	0.003479	0.013807
2216.1	0.006550	0.524977	0.003439	0.013645
2216.2	0.006475	0.524753	0.003398	0.013483
2216.3	0.006400	0.524530	0.003357	0.013321
2216.4	0.006325	0.524306	0.003316	0.013160
2216.5	0.006250	0.524083	0.003276	0.012998
2216.6	0.006175	0.523859	0.003235	0.012837
2216.7	0.006100	0.523635	0.003194	0.012675
2216.8	0.006025	0.523411	0.003154	0.012514
2216.9	0.005950	0.523187	0.003113	0.012353
2217.0	0.005875	0.522962	0.003072	0.012192
2217.1	0.005800	0.522779	0.003032	0.012032
2217.2	0.005725	0.522596	0.002992	0.011872
2217.3	0.005650	0.522412	0.002952	0.011713
2217.4	0.005575	0.522229	0.002911	0.011553
2217.5	0.005500	0.522045	0.002871	0.011394

2217.6	0.005425	0.521861	0.002831	0.011235
2217.7	0.005350	0.521677	0.002791	0.011075
2217.8	0.005275	0.521493	0.002751	0.010916
2217.9	0.005200	0.521309	0.002711	0.010757
2218.0	0.005125	0.521125	0.002671	0.010598
2218.1	0.005050	0.521326	0.002633	0.010447
2218.2	0.004975	0.521527	0.002595	0.010296
2218.3	0.004900	0.521728	0.002556	0.010145
2218.4	0.004825	0.521930	0.002518	0.009993
2218.5	0.004750	0.522131	0.002480	0.009842
2218.6	0.004675	0.522333	0.002442	0.009690
2218.7	0.004600	0.522534	0.002404	0.009538
2218.8	0.004525	0.522736	0.002365	0.009386
2218.9	0.004450	0.523493	0.002330	0.009244
2219.0	0.004375	0.523695	0.002291	0.009092
2219.1	0.004300	0.523910	0.002253	0.008940
2219.2	0.004225	0.524124	0.002214	0.008787
2219.3	0.004150	0.524339	0.002176	0.008635
2219.4	0.004075	0.524554	0.002138	0.008482
2219.5	0.004000	0.524768	0.002099	0.008330
2219.6	0.003925	0.524983	0.002061	0.008177
2219.7	0.003850	0.525198	0.002022	0.008024
2219.8	0.003775	0.525413	0.001983	0.007871
2219.9	0.003700	0.525628	0.001945	0.007718
2220.0	0.003625	0.525843	0.001906	0.007564
2220.1	0.003550	0.526146	0.001868	0.007412
2220.2	0.003475	0.526450	0.001829	0.007260
2220.3	0.003400	0.526754	0.001791	0.007107
2220.4	0.003325	0.527057	0.001752	0.006954
2220.5	0.003250	0.527361	0.001714	0.006801
2220.6	0.003175	0.527665	0.001675	0.006648
2220.7	0.003100	0.527970	0.001637	0.006495
2220.8	0.003025	0.528835	0.001600	0.006348
2220.9	0.002950	0.529140	0.001561	0.006194
2221.0	0.002875	0.529445	0.001522	0.006040
2221.1	0.002800	0.529705	0.001483	0.005886
2221.2	0.002725	0.529965	0.001444	0.005731
2221.3	0.002650	0.530225	0.001405	0.005576
2221.4	0.002575	0.530485	0.001366	0.005421
2221.5	0.002500	0.530745	0.001327	0.005265
2221.6	0.002425	0.531005	0.001288	0.005110
2221.7	0.002350	0.531266	0.001248	0.004954
2221.8	0.002275	0.531526	0.001209	0.004799

2221.9	0.002200	0.531787	0.001170	0.004643
2222.0	0.002125	0.532048	0.001131	0.004487
2222.1	0.002050	0.531950	0.001090	0.004327
2222.2	0.001975	0.531853	0.001050	0.004168
2222.3	0.001900	0.531755	0.001010	0.004009
2222.4	0.001825	0.531657	0.000970	0.003850
2222.5	0.001750	0.531559	0.000930	0.003691
2222.6	0.001675	0.532026	0.000891	0.003536
2222.7	0.001600	0.531928	0.000851	0.003377
2222.8	0.001525	0.531830	0.000811	0.003218
2222.9	0.001450	0.531732	0.000771	0.003060
2223.0	0.001375	0.531634	0.000731	0.002901
2223.1	0.001300	0.531518	0.000691	0.002742
2223.2	0.001225	0.531402	0.000651	0.002583
2223.3	0.001150	0.531286	0.000611	0.002425
2223.4	0.001075	0.531170	0.000571	0.002266
2223.5	0.001000	0.531054	0.000531	0.002107
2223.6	0.000850	0.530937	0.000451	0.001791
2223.7	0.000675	0.530821	0.000358	0.001422
2223.8	0.000475	0.530705	0.000252	0.001000
2223.9	0.000250	0.530589	0.000133	0.000526
2224.0	0.000000	0.530473	0.000000	0.000000
Channel 14				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2142.1	0.000123	0.352980	0.000043	0.000178
2142.2	0.000266	0.353023	0.000094	0.000384
2142.3	0.000424	0.353111	0.000150	0.000611
2142.4	0.000591	0.353416	0.000209	0.000853
2142.5	0.000762	0.353391	0.000269	0.001100
2142.6	0.000932	0.353515	0.000329	0.001346
2142.7	0.001096	0.354033	0.000388	0.001585
2142.8	0.001249	0.354080	0.000442	0.001807
2142.9	0.001385	0.354122	0.000491	0.002004
2143.0	0.001500	0.354165	0.000531	0.002171
2143.1	0.001589	0.354185	0.000563	0.002300
2143.2	0.001656	0.354204	0.000586	0.002396
2143.3	0.001703	0.354223	0.000603	0.002464
2143.4	0.001734	0.354243	0.000614	0.002510
2143.5	0.001753	0.354262	0.000621	0.002538
2143.6	0.001764	0.354281	0.000625	0.002554

2143.7	0.001771	0.354300	0.000627	0.002564
2143.8	0.001777	0.354318	0.000630	0.002572
2143.9	0.001786	0.354732	0.000633	0.002588
2144.0	0.001801	0.354750	0.000639	0.002610
2144.1	0.001826	0.354985	0.000648	0.002648
2144.2	0.001859	0.355614	0.000661	0.002701
2144.3	0.001898	0.355849	0.000675	0.002759
2144.4	0.001941	0.356084	0.000691	0.002823
2144.5	0.001985	0.356319	0.000707	0.002890
2144.6	0.002029	0.356553	0.000723	0.002955
2144.7	0.002070	0.356788	0.000738	0.003017
2144.8	0.002105	0.357023	0.000752	0.003071
2144.9	0.002134	0.357258	0.000762	0.003115
2145.0	0.002153	0.357494	0.000770	0.003145
2145.1	0.002161	0.357749	0.000773	0.003159
2145.2	0.002160	0.358004	0.000773	0.003159
2145.3	0.002151	0.358260	0.000771	0.003148
2145.4	0.002136	0.358516	0.000766	0.003129
2145.5	0.002119	0.359171	0.000761	0.003109
2145.6	0.002100	0.359427	0.000755	0.003084
2145.7	0.002082	0.360083	0.000750	0.003062
2145.8	0.002066	0.360340	0.000745	0.003042
2145.9	0.002056	0.360996	0.000742	0.003033
2146.0	0.002053	0.361254	0.000742	0.003030
2146.1	0.002058	0.361588	0.000744	0.003041
2146.2	0.002071	0.361923	0.000750	0.003062
2146.3	0.002089	0.362660	0.000757	0.003095
2146.4	0.002110	0.362995	0.000766	0.003129
2146.5	0.002133	0.362928	0.000774	0.003162
2146.6	0.002155	0.363264	0.000783	0.003199
2146.7	0.002175	0.363600	0.000791	0.003231
2146.8	0.002191	0.363936	0.000797	0.003258
2146.9	0.002201	0.364272	0.000802	0.003275
2147.0	0.002202	0.364608	0.000803	0.003280
2147.1	0.002194	0.365107	0.000801	0.003273
2147.2	0.002176	0.366012	0.000796	0.003253
2147.3	0.002147	0.366513	0.000787	0.003215
2147.4	0.002108	0.367015	0.000774	0.003161
2147.5	0.002059	0.367516	0.000757	0.003092
2147.6	0.001999	0.368425	0.000736	0.003009
2147.7	0.001928	0.368928	0.000711	0.002907
2147.8	0.001847	0.369431	0.000682	0.002788
2147.9	0.001755	0.369934	0.000649	0.002652

2148.0	0.001651	0.370438	0.000612	0.002499
2148.1	0.001537	0.370720	0.000570	0.002328
2148.2	0.001415	0.371001	0.000525	0.002145
2148.3	0.001290	0.371282	0.000479	0.001956
2148.4	0.001163	0.371562	0.000432	0.001766
2148.5	0.001040	0.371843	0.000387	0.001581
2148.6	0.000924	0.372123	0.000344	0.001405
2148.7	0.000818	0.372403	0.000305	0.001245
2148.8	0.000726	0.372683	0.000271	0.001106
2148.9	0.000651	0.372963	0.000243	0.000993
2149.0	0.000598	0.373655	0.000223	0.000913
2149.1	0.000568	0.373925	0.000213	0.000868
2149.2	0.000563	0.374195	0.000211	0.000861
2149.3	0.000581	0.374465	0.000217	0.000888
2149.4	0.000621	0.375148	0.000233	0.000952
2149.5	0.000683	0.375418	0.000256	0.001048
2149.6	0.000767	0.375687	0.000288	0.001177
2149.7	0.000871	0.375956	0.000327	0.001338
2149.8	0.000995	0.376225	0.000374	0.001529
2149.9	0.001138	0.376494	0.000429	0.001751
2150.0	0.001300	0.376762	0.000490	0.002001
2150.1	0.001479	0.377148	0.000558	0.002279
2150.2	0.001671	0.377535	0.000631	0.002578
2150.3	0.001871	0.377921	0.000707	0.002889
2150.4	0.002075	0.378307	0.000785	0.003207
2150.5	0.002277	0.378694	0.000862	0.003524
2150.6	0.002473	0.379081	0.000938	0.003831
2150.7	0.002658	0.379467	0.001009	0.004122
2150.8	0.002828	0.379854	0.001074	0.004388
2150.9	0.002976	0.380241	0.001132	0.004623
2151.0	0.003099	0.380628	0.001180	0.004819
2151.1	0.003193	0.380996	0.001216	0.004970
2151.2	0.003259	0.381364	0.001243	0.005079
2151.3	0.003301	0.382154	0.001262	0.005155
2151.4	0.003322	0.382522	0.001271	0.005191
2151.5	0.003323	0.382891	0.001272	0.005199
2151.6	0.003309	0.383260	0.001268	0.005182
2151.7	0.003282	0.383629	0.001259	0.005144
2151.8	0.003244	0.383998	0.001246	0.005090
2151.9	0.003200	0.384791	0.001231	0.005031
2152.0	0.003151	0.385161	0.001214	0.004959
2152.1	0.003100	0.385672	0.001196	0.004885
2152.2	0.003050	0.386183	0.001178	0.004812

2152.3	0.002999	0.387121	0.001161	0.004744
2152.4	0.002951	0.387633	0.001144	0.004673
2152.5	0.002905	0.388146	0.001127	0.004607
2152.6	0.002863	0.388660	0.001113	0.004546
2152.7	0.002825	0.389173	0.001100	0.004493
2152.8	0.002794	0.390116	0.001090	0.004454
2152.9	0.002770	0.390631	0.001082	0.004420
2153.0	0.002753	0.391147	0.001077	0.004400
2153.1	0.002745	0.391680	0.001075	0.004393
2153.2	0.002744	0.392214	0.001076	0.004397
2153.3	0.002749	0.393180	0.001081	0.004416
2153.4	0.002758	0.393715	0.001086	0.004437
2153.5	0.002769	0.394251	0.001092	0.004461
2153.6	0.002782	0.394787	0.001098	0.004487
2153.7	0.002793	0.395324	0.001104	0.004511
2153.8	0.002802	0.396295	0.001110	0.004536
2153.9	0.002806	0.396833	0.001114	0.004550
2154.0	0.002805	0.397372	0.001115	0.004554
2154.1	0.002797	0.397524	0.001112	0.004543
2154.2	0.002782	0.397676	0.001106	0.004521
2154.3	0.002762	0.397827	0.001099	0.004490
2154.4	0.002738	0.397979	0.001090	0.004452
2154.5	0.002710	0.398130	0.001079	0.004408
2154.6	0.002680	0.398717	0.001068	0.004365
2154.7	0.002648	0.398868	0.001056	0.004315
2154.8	0.002615	0.399018	0.001044	0.004264
2154.9	0.002583	0.399167	0.001031	0.004213
2155.0	0.002553	0.399317	0.001019	0.004165
2155.1	0.002525	0.399467	0.001009	0.004121
2155.2	0.002500	0.399617	0.000999	0.004081
2155.3	0.002477	0.399766	0.000990	0.004045
2155.4	0.002457	0.399915	0.000982	0.004014
2155.5	0.002440	0.400064	0.000976	0.003988
2155.6	0.002426	0.400213	0.000971	0.003966
2155.7	0.002415	0.400361	0.000967	0.003950
2155.8	0.002407	0.400508	0.000964	0.003939
2155.9	0.002403	0.401094	0.000964	0.003938
2156.0	0.002402	0.401241	0.000964	0.003938
2156.1	0.002404	0.401645	0.000966	0.003946
2156.2	0.002408	0.402048	0.000968	0.003956
2156.3	0.002412	0.402452	0.000971	0.003966
2156.4	0.002413	0.402855	0.000972	0.003971
2156.5	0.002409	0.403259	0.000972	0.003970

2156.6	0.002399	0.403663	0.000968	0.003957
2156.7	0.002381	0.404067	0.000962	0.003930
2156.8	0.002351	0.404471	0.000951	0.003886
2156.9	0.002309	0.404875	0.000935	0.003820
2157.0	0.002253	0.405279	0.000913	0.003731
2157.1	0.002181	0.405618	0.000884	0.003614
2157.2	0.002093	0.405956	0.000850	0.003472
2157.3	0.001993	0.406295	0.000810	0.003309
2157.4	0.001883	0.406633	0.000766	0.003128
2157.5	0.001763	0.406972	0.000717	0.002931
2157.6	0.001636	0.407311	0.000667	0.002723
2157.7	0.001505	0.407650	0.000613	0.002506
2157.8	0.001370	0.407989	0.000559	0.002284
2157.9	0.001235	0.408327	0.000504	0.002060
2158.0	0.001100	0.408667	0.000450	0.001837
2158.1	0.000968	0.409076	0.000396	0.001618
2158.2	0.000841	0.409485	0.000344	0.001407
2158.3	0.000721	0.409894	0.000296	0.001208
2158.4	0.000610	0.410304	0.000250	0.001023
2158.5	0.000510	0.410713	0.000209	0.000856
2158.6	0.000423	0.411123	0.000174	0.000711
2158.7	0.000351	0.411534	0.000145	0.000591
2158.8	0.000297	0.411944	0.000122	0.000500
2158.9	0.000262	0.412355	0.000108	0.000441
2159.0	0.000248	0.412766	0.000102	0.000418
2159.1	0.000257	0.413137	0.000106	0.000433
2159.2	0.000286	0.413509	0.000118	0.000483
2159.3	0.000333	0.413881	0.000138	0.000563
2159.4	0.000394	0.414289	0.000163	0.000667
2159.5	0.000467	0.414755	0.000194	0.000791
2159.6	0.000548	0.415222	0.000228	0.000930
2159.7	0.000635	0.415688	0.000264	0.001079
2159.8	0.000725	0.416155	0.000302	0.001232
2159.9	0.000814	0.416554	0.000339	0.001385
2160.0	0.000900	0.416928	0.000375	0.001533
2160.1	0.000980	0.417097	0.000409	0.001671
2160.2	0.001055	0.417267	0.000440	0.001798
2160.3	0.001124	0.417436	0.000469	0.001917
2160.4	0.001189	0.417605	0.000496	0.002028
2160.5	0.001249	0.417775	0.000522	0.002132
2160.6	0.001305	0.417944	0.000545	0.002228
2160.7	0.001358	0.418113	0.000568	0.002320
2160.8	0.001408	0.418282	0.000589	0.002406

2160.9	0.001455	0.418451	0.000609	0.002488
2161.0	0.001501	0.418620	0.000628	0.002567
2161.1	0.001545	0.418813	0.000647	0.002644
2161.2	0.001589	0.419179	0.000666	0.002722
2161.3	0.001635	0.419631	0.000686	0.002803
2161.4	0.001683	0.419824	0.000707	0.002887
2161.5	0.001735	0.420018	0.000729	0.002978
2161.6	0.001793	0.420211	0.000753	0.003078
2161.7	0.001857	0.420403	0.000781	0.003190
2161.8	0.001929	0.420596	0.000811	0.003315
2161.9	0.002011	0.420789	0.000846	0.003458
2162.0	0.002104	0.420982	0.000886	0.003619
2162.1	0.002208	0.421210	0.000930	0.003800
2162.2	0.002320	0.421439	0.000978	0.003995
2162.3	0.002436	0.421667	0.001027	0.004197
2162.4	0.002552	0.421895	0.001077	0.004399
2162.5	0.002663	0.422123	0.001124	0.004594
2162.6	0.002766	0.422351	0.001168	0.004773
2162.7	0.002856	0.422580	0.001207	0.004931
2162.8	0.002929	0.423270	0.001240	0.005064
2162.9	0.002980	0.423498	0.001262	0.005156
2163.0	0.003006	0.423727	0.001274	0.005204
2163.1	0.003004	0.423964	0.001274	0.005203
2163.2	0.002975	0.424201	0.001262	0.005157
2163.3	0.002925	0.424438	0.001241	0.005072
2163.4	0.002856	0.424675	0.001213	0.004955
2163.5	0.002772	0.424912	0.001178	0.004812
2163.6	0.002676	0.425149	0.001138	0.004648
2163.7	0.002573	0.425386	0.001094	0.004472
2163.8	0.002465	0.425623	0.001049	0.004287
2163.9	0.002358	0.425860	0.001004	0.004102
2164.0	0.002253	0.426096	0.000960	0.003922
2164.1	0.002155	0.426619	0.000919	0.003756
2164.2	0.002063	0.427142	0.000881	0.003601
2164.3	0.001979	0.427665	0.000846	0.003458
2164.4	0.001902	0.428188	0.000815	0.003328
2164.5	0.001833	0.428712	0.000786	0.003210
2164.6	0.001771	0.429237	0.000760	0.003106
2164.7	0.001717	0.429761	0.000738	0.003015
2164.8	0.001670	0.430286	0.000719	0.002937
2164.9	0.001632	0.430812	0.000703	0.002873
2165.0	0.001602	0.431338	0.000691	0.002823
2165.1	0.001580	0.431816	0.000682	0.002787

2165.2	0.001564	0.432294	0.000676	0.002762
2165.3	0.001553	0.432775	0.000672	0.002746
2165.4	0.001545	0.433256	0.000669	0.002734
2165.5	0.001537	0.433737	0.000667	0.002724
2165.6	0.001529	0.434219	0.000664	0.002713
2165.7	0.001519	0.434701	0.000660	0.002697
2165.8	0.001503	0.435183	0.000654	0.002673
2165.9	0.001482	0.435665	0.000646	0.002637
2166.0	0.001452	0.436148	0.000633	0.002587
2166.1	0.001413	0.436347	0.000616	0.002519
2166.2	0.001365	0.436546	0.000596	0.002434
2166.3	0.001308	0.436744	0.000571	0.002334
2166.4	0.001244	0.436943	0.000543	0.002220
2166.5	0.001173	0.437141	0.000513	0.002095
2166.6	0.001097	0.437818	0.000480	0.001961
2166.7	0.001015	0.438016	0.000445	0.001816
2166.8	0.000929	0.438215	0.000407	0.001663
2166.9	0.000840	0.438413	0.000368	0.001504
2167.0	0.000748	0.438454	0.000328	0.001340
2167.1	0.000655	0.438357	0.000287	0.001173
2167.2	0.000563	0.438554	0.000247	0.001008
2167.3	0.000474	0.438751	0.000208	0.000850
2167.4	0.000392	0.438948	0.000172	0.000704
2167.5	0.000320	0.439145	0.000141	0.000574
2167.6	0.000260	0.439342	0.000114	0.000466
2167.7	0.000215	0.439539	0.000094	0.000385
2167.8	0.000187	0.439735	0.000082	0.000336
2167.9	0.000180	0.439932	0.000079	0.000323
2168.0	0.000196	0.440129	0.000086	0.000352
2168.1	0.000237	0.440349	0.000104	0.000427
2168.2	0.000300	0.440570	0.000132	0.000540
2168.3	0.000381	0.440791	0.000168	0.000686
2168.4	0.000476	0.441011	0.000210	0.000857
2168.5	0.000580	0.441232	0.000256	0.001045
2168.6	0.000689	0.441452	0.000304	0.001243
2168.7	0.000800	0.441673	0.000353	0.001444
2168.8	0.000908	0.441893	0.000401	0.001640
2168.9	0.001010	0.442113	0.000446	0.001824
2169.0	0.001100	0.442334	0.000487	0.001988
2169.1	0.001176	0.442562	0.000520	0.002126
2169.2	0.001238	0.442790	0.000548	0.002240
2169.3	0.001287	0.443018	0.000570	0.002329
2169.4	0.001324	0.443246	0.000587	0.002397

2169.5	0.001350	0.443474	0.000598	0.002445
2169.6	0.001366	0.443703	0.000606	0.002475
2169.7	0.001373	0.443931	0.000609	0.002490
2169.8	0.001372	0.444159	0.000609	0.002489
2169.9	0.001364	0.444387	0.000606	0.002477
2170.0	0.001351	0.444615	0.000601	0.002454
2170.1	0.001333	0.444963	0.000593	0.002423
2170.2	0.001311	0.445371	0.000584	0.002386
2170.3	0.001286	0.445819	0.000573	0.002343
2170.4	0.001259	0.446267	0.000562	0.002296
2170.5	0.001231	0.446716	0.000550	0.002247
2170.6	0.001202	0.447164	0.000538	0.002196
2170.7	0.001174	0.447523	0.000525	0.002146
2170.8	0.001147	0.447872	0.000514	0.002099
2170.9	0.001122	0.448222	0.000503	0.002055
2171.0	0.001100	0.448571	0.000493	0.002016
2171.1	0.001082	0.448894	0.000486	0.001984
2171.2	0.001066	0.449217	0.000479	0.001956
2171.3	0.001052	0.449540	0.000473	0.001932
2171.4	0.001038	0.449863	0.000467	0.001908
2171.5	0.001023	0.450186	0.000461	0.001882
2171.6	0.001007	0.450509	0.000454	0.001853
2171.7	0.000987	0.450832	0.000445	0.001819
2171.8	0.000964	0.451156	0.000435	0.001776
2171.9	0.000935	0.451480	0.000422	0.001724
2172.0	0.000899	0.451804	0.000406	0.001660
2172.1	0.000857	0.451918	0.000387	0.001582
2172.2	0.000812	0.452033	0.000367	0.001499
2172.3	0.000768	0.452147	0.000347	0.001419
2172.4	0.000731	0.452261	0.000330	0.001350
2172.5	0.000704	0.452375	0.000319	0.001302
2172.6	0.000693	0.452489	0.000314	0.001282
2172.7	0.000703	0.452603	0.000318	0.001300
2172.8	0.000737	0.452717	0.000334	0.001364
2172.9	0.000801	0.452830	0.000363	0.001482
2173.0	0.000899	0.452944	0.000407	0.001664
2173.1	0.001034	0.453055	0.000468	0.001914
2173.2	0.001200	0.453167	0.000544	0.002222
2173.3	0.001390	0.453278	0.000630	0.002574
2173.4	0.001596	0.453389	0.000724	0.002956
2173.5	0.001811	0.453500	0.000821	0.003355
2173.6	0.002027	0.453611	0.000919	0.003757
2173.7	0.002237	0.453722	0.001015	0.004147

2173.8	0.002433	0.453833	0.001104	0.004511
2173.9	0.002608	0.453944	0.001184	0.004837
2174.0	0.002754	0.454054	0.001250	0.005109
2174.1	0.002865	0.454351	0.001302	0.005319
2174.2	0.002943	0.454648	0.001338	0.005466
2174.3	0.002988	0.454944	0.001360	0.005555
2174.4	0.003004	0.455241	0.001368	0.005588
2174.5	0.002993	0.455538	0.001363	0.005571
2174.6	0.002957	0.455835	0.001348	0.005506
2174.7	0.002897	0.456133	0.001322	0.005400
2174.8	0.002818	0.456430	0.001286	0.005254
2174.9	0.002719	0.456727	0.001242	0.005074
2175.0	0.002605	0.457025	0.001191	0.004864
2175.1	0.002477	0.457310	0.001133	0.004628
2175.2	0.002338	0.457596	0.001070	0.004372
2175.3	0.002193	0.457881	0.001004	0.004102
2175.4	0.002043	0.458167	0.000936	0.003825
2175.5	0.001893	0.458453	0.000868	0.003546
2175.6	0.001746	0.458738	0.000801	0.003272
2175.7	0.001605	0.459024	0.000737	0.003009
2175.8	0.001473	0.459310	0.000676	0.002764
2175.9	0.001354	0.459596	0.000622	0.002542
2176.0	0.001251	0.459882	0.000575	0.002351
2176.1	0.001167	0.460161	0.000537	0.002194
2176.2	0.001102	0.460440	0.000508	0.002074
2176.3	0.001057	0.460719	0.000487	0.001989
2176.4	0.001030	0.461501	0.000475	0.001942
2176.5	0.001022	0.461780	0.000472	0.001927
2176.6	0.001032	0.462060	0.000477	0.001948
2176.7	0.001060	0.462339	0.000490	0.002002
2176.8	0.001106	0.462618	0.000512	0.002090
2176.9	0.001170	0.462898	0.000541	0.002212
2177.0	0.001251	0.463178	0.000579	0.002367
2177.1	0.001349	0.463423	0.000625	0.002554
2177.2	0.001461	0.463668	0.000678	0.002768
2177.3	0.001585	0.463913	0.000735	0.003003
2177.4	0.001716	0.464159	0.000796	0.003254
2177.5	0.001853	0.464404	0.000860	0.003515
2177.6	0.001991	0.464649	0.000925	0.003780
2177.7	0.002129	0.464895	0.000990	0.004043
2177.8	0.002262	0.465647	0.001053	0.004304
2177.9	0.002389	0.465893	0.001113	0.004547
2178.0	0.002505	0.466139	0.001168	0.004771

2178.1	0.002609	0.466237	0.001217	0.004971
2178.2	0.002704	0.466335	0.001261	0.005152
2178.3	0.002793	0.466432	0.001303	0.005323
2178.4	0.002880	0.466530	0.001343	0.005489
2178.5	0.002968	0.466628	0.001385	0.005658
2178.6	0.003061	0.466725	0.001429	0.005838
2178.7	0.003163	0.466823	0.001477	0.006034
2178.8	0.003278	0.466920	0.001531	0.006253
2178.9	0.003409	0.467525	0.001594	0.006511
2179.0	0.003559	0.467623	0.001664	0.006800
2179.1	0.003732	0.467700	0.001745	0.007131
2179.2	0.003923	0.467777	0.001835	0.007498
2179.3	0.004130	0.467853	0.001932	0.007896
2179.4	0.004349	0.467930	0.002035	0.008314
2179.5	0.004574	0.468006	0.002141	0.008747
2179.6	0.004803	0.468083	0.002248	0.009185
2179.7	0.005030	0.468159	0.002355	0.009622
2179.8	0.005253	0.468236	0.002460	0.010049
2179.9	0.005466	0.468312	0.002560	0.010459
2180.0	0.005666	0.468388	0.002654	0.010843
2180.1	0.005849	0.468963	0.002743	0.011208
2180.2	0.006015	0.469029	0.002821	0.011527
2180.3	0.006164	0.469094	0.002892	0.011814
2180.4	0.006296	0.469160	0.002954	0.012068
2180.5	0.006410	0.469225	0.003008	0.012288
2180.6	0.006507	0.469291	0.003053	0.012476
2180.7	0.006586	0.469356	0.003091	0.012630
2180.8	0.006648	0.469422	0.003121	0.012750
2180.9	0.006693	0.469487	0.003142	0.012838
2181.0	0.006720	0.469553	0.003155	0.012892
2181.1	0.006731	0.469591	0.003161	0.012914
2181.2	0.006729	0.469630	0.003160	0.012911
2181.3	0.006719	0.469669	0.003156	0.012893
2181.4	0.006706	0.469707	0.003150	0.012869
2181.5	0.006694	0.469746	0.003144	0.012847
2181.6	0.006688	0.469785	0.003142	0.012837
2181.7	0.006693	0.469823	0.003145	0.012848
2181.8	0.006714	0.469862	0.003155	0.012889
2181.9	0.006755	0.469901	0.003174	0.012968
2182.0	0.006820	0.469939	0.003205	0.013095
2182.1	0.006914	0.470092	0.003250	0.013279
2182.2	0.007036	0.470244	0.003308	0.013517
2182.3	0.007183	0.470396	0.003379	0.013805

2182.4	0.007354	0.470549	0.003461	0.014139
2182.5	0.007548	0.470701	0.003553	0.014515
2182.6	0.007761	0.470854	0.003654	0.014930
2182.7	0.007992	0.471007	0.003765	0.015381
2182.8	0.008240	0.471159	0.003883	0.015863
2182.9	0.008503	0.471312	0.004008	0.016374
2183.0	0.008778	0.471464	0.004139	0.016909
2183.1	0.009064	0.471643	0.004275	0.017467
2183.2	0.009362	0.471822	0.004417	0.018048
2183.3	0.009673	0.472513	0.004571	0.018674
2183.4	0.009997	0.472692	0.004726	0.019308
2183.5	0.010337	0.472871	0.004888	0.019971
2183.6	0.010692	0.473050	0.005058	0.020665
2183.7	0.011064	0.473229	0.005236	0.021392
2183.8	0.011454	0.473408	0.005422	0.022154
2183.9	0.011862	0.473587	0.005618	0.022952
2184.0	0.012291	0.473766	0.005823	0.023791
2184.1	0.012740	0.473927	0.006038	0.024669
2184.2	0.013203	0.474087	0.006259	0.025574
2184.3	0.013677	0.474248	0.006486	0.026501
2184.4	0.014154	0.474409	0.006715	0.027435
2184.5	0.014630	0.474569	0.006943	0.028367
2184.6	0.015099	0.474730	0.007168	0.029286
2184.7	0.015554	0.474893	0.007386	0.030179
2184.8	0.015991	0.475055	0.007597	0.031038
2184.9	0.016403	0.475218	0.007795	0.031848
2185.0	0.016786	0.475380	0.007980	0.032603
2185.1	0.017135	0.475579	0.008149	0.033295
2185.2	0.017455	0.476294	0.008314	0.033968
2185.3	0.017754	0.476493	0.008460	0.034564
2185.4	0.018037	0.476692	0.008598	0.035129
2185.5	0.018312	0.476891	0.008733	0.035680
2185.6	0.018585	0.477090	0.008867	0.036227
2185.7	0.018864	0.477289	0.009004	0.036786
2185.8	0.019156	0.477489	0.009147	0.037371
2185.9	0.019466	0.477688	0.009299	0.037992
2186.0	0.019802	0.477887	0.009463	0.038664
2186.1	0.020170	0.478041	0.009642	0.039395
2186.2	0.020573	0.478195	0.009838	0.040195
2186.3	0.021013	0.478429	0.010053	0.041075
2186.4	0.021492	0.478997	0.010295	0.042061
2186.5	0.022012	0.479151	0.010547	0.043092
2186.6	0.022575	0.479305	0.010820	0.044209

2186.7	0.023184	0.479460	0.011116	0.045416
2186.8	0.023840	0.479614	0.011434	0.046716
2186.9	0.024546	0.480288	0.011789	0.048167
2187.0	0.025303	0.480369	0.012155	0.049661
2187.1	0.026113	0.480070	0.012536	0.051219
2187.2	0.026975	0.480192	0.012953	0.052923
2187.3	0.027887	0.480313	0.013394	0.054726
2187.4	0.028847	0.480435	0.013859	0.056624
2187.5	0.029853	0.480556	0.014346	0.058614
2187.6	0.030902	0.480678	0.014854	0.060689
2187.7	0.031994	0.480799	0.015383	0.062849
2187.8	0.033125	0.481021	0.015934	0.065101
2187.9	0.034295	0.481248	0.016504	0.067432
2188.0	0.035501	0.481475	0.017093	0.069837
2188.1	0.036741	0.481732	0.017699	0.072315
2188.2	0.038015	0.481973	0.018322	0.074859
2188.3	0.039322	0.482125	0.018958	0.077458
2188.4	0.040660	0.482277	0.019609	0.080119
2188.5	0.042030	0.482429	0.020276	0.082844
2188.6	0.043430	0.482581	0.020958	0.085631
2188.7	0.044860	0.482733	0.021655	0.088478
2188.8	0.046319	0.483408	0.022391	0.091483
2188.9	0.047806	0.483561	0.023117	0.094450
2189.0	0.049321	0.483713	0.023857	0.097474
2189.1	0.050863	0.483851	0.024610	0.100550
2189.2	0.052433	0.483988	0.025377	0.103683
2189.3	0.054033	0.484126	0.026159	0.106878
2189.4	0.055664	0.484263	0.026956	0.110135
2189.5	0.057328	0.484401	0.027770	0.113459
2189.6	0.059026	0.484538	0.028600	0.116853
2189.7	0.060759	0.484676	0.029448	0.120318
2189.8	0.062529	0.484813	0.030315	0.123858
2189.9	0.064338	0.484951	0.031201	0.127478
2190.0	0.066187	0.485088	0.032107	0.131178
2190.1	0.068077	0.485362	0.033042	0.135001
2190.2	0.070010	0.485636	0.033999	0.138912
2190.3	0.071989	0.485910	0.034980	0.142920
2190.4	0.074013	0.486185	0.035984	0.147021
2190.5	0.076087	0.486459	0.037013	0.151226
2190.6	0.078210	0.486754	0.038069	0.155540
2190.7	0.080385	0.487135	0.039158	0.159990
2190.8	0.082614	0.487516	0.040276	0.164555
2190.9	0.084898	0.487898	0.041422	0.169237

2191.0	0.087240	0.488279	0.042597	0.174042
2191.1	0.089640	0.488613	0.043799	0.178952
2191.2	0.092100	0.488882	0.045026	0.183964
2191.3	0.094620	0.489152	0.046284	0.189102
2191.4	0.097200	0.489422	0.047572	0.194366
2191.5	0.099842	0.490222	0.048945	0.199975
2191.6	0.102550	0.490492	0.050300	0.205512
2191.7	0.105310	0.490762	0.051682	0.211159
2191.8	0.108140	0.491032	0.053100	0.216953
2191.9	0.111030	0.491302	0.054549	0.222873
2192.0	0.113990	0.491573	0.056034	0.228941
2192.1	0.117010	0.492156	0.057587	0.235285
2192.2	0.120080	0.492208	0.059104	0.241484
2192.3	0.123220	0.492260	0.060656	0.247825
2192.4	0.126400	0.492312	0.062228	0.254248
2192.5	0.129620	0.492895	0.063889	0.261033
2192.6	0.132890	0.492947	0.065508	0.267647
2192.7	0.136180	0.492999	0.067137	0.274302
2192.8	0.139500	0.493050	0.068781	0.281018
2192.9	0.142850	0.493102	0.070440	0.287797
2193.0	0.146210	0.493153	0.072104	0.294597
2193.1	0.149590	0.493718	0.073855	0.301752
2193.2	0.152980	0.493750	0.075534	0.308611
2193.3	0.156390	0.493783	0.077223	0.315511
2193.4	0.159820	0.493815	0.078922	0.322452
2193.5	0.163270	0.493847	0.080630	0.329434
2193.6	0.166750	0.493879	0.082354	0.336478
2193.7	0.170250	0.493912	0.084088	0.343562
2193.8	0.173790	0.493944	0.085842	0.350729
2193.9	0.177370	0.494508	0.087711	0.358362
2194.0	0.180980	0.494540	0.089502	0.365680
2194.1	0.184630	0.494629	0.091323	0.373122
2194.2	0.188320	0.494718	0.093165	0.380648
2194.3	0.192040	0.494806	0.095023	0.388236
2194.4	0.195790	0.494895	0.096895	0.395888
2194.5	0.199550	0.494983	0.098774	0.403563
2194.6	0.203340	0.495072	0.100668	0.411302
2194.7	0.207130	0.495161	0.102563	0.419043
2194.8	0.210930	0.495249	0.104463	0.426807
2194.9	0.214730	0.495338	0.106364	0.434574
2195.0	0.218520	0.495427	0.108261	0.442323
2195.1	0.222310	0.495528	0.110161	0.450087
2195.2	0.226090	0.495629	0.112057	0.457833

2195.3	0.229860	0.495729	0.113948	0.465562
2195.4	0.233620	0.495830	0.115836	0.473274
2195.5	0.237370	0.495931	0.117719	0.480968
2195.6	0.241120	0.496032	0.119603	0.488666
2195.7	0.244850	0.496133	0.121478	0.496327
2195.8	0.248580	0.496234	0.123354	0.503990
2195.9	0.252300	0.496335	0.125225	0.511637
2196.0	0.256010	0.496970	0.127229	0.519824
2196.1	0.259720	0.497125	0.129113	0.527521
2196.2	0.263420	0.497280	0.130993	0.535203
2196.3	0.267120	0.497435	0.132875	0.542890
2196.4	0.270810	0.497590	0.134752	0.550562
2196.5	0.274510	0.497746	0.136636	0.558258
2196.6	0.278210	0.497901	0.138521	0.565959
2196.7	0.281910	0.498056	0.140407	0.573665
2196.8	0.285620	0.498212	0.142299	0.581396
2196.9	0.289340	0.498367	0.144198	0.589152
2197.0	0.293080	0.498523	0.146107	0.596953
2197.1	0.296820	0.498654	0.148010	0.604730
2197.2	0.300570	0.498785	0.149920	0.612532
2197.3	0.304330	0.498917	0.151835	0.620358
2197.4	0.308070	0.499048	0.153742	0.628147
2197.5	0.311800	0.499180	0.155644	0.635920
2197.6	0.315520	0.499311	0.157543	0.643677
2197.7	0.319200	0.499443	0.159422	0.651355
2197.8	0.322860	0.499575	0.161293	0.658998
2197.9	0.326470	0.499706	0.163139	0.666542
2198.0	0.330030	0.499838	0.164961	0.673987
2198.1	0.333550	0.499848	0.166724	0.681190
2198.2	0.337010	0.500396	0.168638	0.689010
2198.3	0.340420	0.500406	0.170348	0.695997
2198.4	0.343790	0.500417	0.172038	0.702901
2198.5	0.347110	0.500427	0.173703	0.709704
2198.6	0.350390	0.500438	0.175348	0.716426
2198.7	0.353640	0.500448	0.176978	0.723086
2198.8	0.356840	0.500459	0.178584	0.729644
2198.9	0.360010	0.500469	0.180174	0.736141
2199.0	0.363160	0.500479	0.181754	0.742597
2199.1	0.366270	0.500450	0.183300	0.748913
2199.2	0.369350	0.500421	0.184831	0.755167
2199.3	0.372410	0.500392	0.186351	0.761379
2199.4	0.375430	0.500363	0.187851	0.767509
2199.5	0.378440	0.500334	0.189346	0.773618

2199.6	0.381410	0.500842	0.191026	0.780481
2199.7	0.384360	0.500813	0.192493	0.786472
2199.8	0.387290	0.500784	0.193949	0.792421
2199.9	0.390190	0.500755	0.195390	0.798308
2200.0	0.393070	0.500726	0.196820	0.804154
2200.1	0.395930	0.500834	0.198295	0.810180
2200.2	0.398750	0.500943	0.199751	0.816127
2200.3	0.401550	0.501051	0.201197	0.822036
2200.4	0.404300	0.501159	0.202619	0.827844
2200.5	0.407000	0.501267	0.204016	0.833553
2200.6	0.409660	0.501376	0.205394	0.839182
2200.7	0.412250	0.501484	0.206737	0.844670
2200.8	0.414780	0.501593	0.208051	0.850038
2200.9	0.417230	0.501702	0.209325	0.855245
2201.0	0.419610	0.502348	0.210790	0.861231
2201.1	0.421910	0.502480	0.212002	0.866180
2201.2	0.424140	0.502613	0.213178	0.870988
2201.3	0.426290	0.502745	0.214315	0.875633
2201.4	0.428390	0.502878	0.215428	0.880179
2201.5	0.430440	0.503010	0.216516	0.884624
2201.6	0.432450	0.503143	0.217584	0.888989
2201.7	0.434430	0.503275	0.218638	0.893294
2201.8	0.436380	0.503407	0.219677	0.897540
2201.9	0.438310	0.503540	0.220707	0.901747
2202.0	0.440240	0.503672	0.221737	0.905956
2202.1	0.442170	0.503907	0.222813	0.910351
2202.2	0.444090	0.504142	0.223884	0.914730
2202.3	0.445990	0.504377	0.224947	0.919071
2202.4	0.447880	0.505152	0.226247	0.924384
2202.5	0.449730	0.505387	0.227288	0.928635
2202.6	0.451550	0.505622	0.228314	0.932827
2202.7	0.453330	0.505857	0.229320	0.936940
2202.8	0.455050	0.506092	0.230297	0.940932
2202.9	0.456710	0.506328	0.231245	0.944804
2203.0	0.458310	0.506563	0.232163	0.948555
2203.1	0.459840	0.506827	0.233060	0.952217
2203.2	0.461290	0.507092	0.233916	0.955718
2203.3	0.462670	0.507356	0.234738	0.959077
2203.4	0.463990	0.507620	0.235531	0.962314
2203.5	0.465250	0.507885	0.236293	0.965430
2203.6	0.466440	0.508149	0.237021	0.968403
2203.7	0.467570	0.508414	0.237719	0.971255
2203.8	0.468650	0.508678	0.238392	0.974005

2203.9	0.469670	0.508943	0.239035	0.976633
2204.0	0.470640	0.509208	0.239654	0.979159
2204.1	0.471560	0.509299	0.240165	0.981248
2204.2	0.472430	0.509390	0.240651	0.983234
2204.3	0.473250	0.510026	0.241370	0.986171
2204.4	0.474010	0.510117	0.241800	0.987930
2204.5	0.474730	0.510207	0.242211	0.989607
2204.6	0.475390	0.510298	0.242591	0.991159
2204.7	0.475990	0.510389	0.242940	0.992587
2204.8	0.476540	0.510480	0.243264	0.993910
2204.9	0.477030	0.510571	0.243557	0.995109
2205.0	0.477460	0.510661	0.243820	0.996183
2205.1	0.477830	0.510698	0.244027	0.997027
2205.2	0.478150	0.510735	0.244208	0.997766
2205.3	0.478410	0.510771	0.244358	0.998380
2205.4	0.478620	0.510808	0.244483	0.998890
2205.5	0.478780	0.510845	0.244582	0.999296
2205.6	0.478900	0.510881	0.244661	0.999618
2205.7	0.478970	0.510918	0.244714	0.999836
2205.8	0.479000	0.510955	0.244747	0.999970
2205.9	0.478980	0.510991	0.244755	1.000000
2206.0	0.478940	0.511028	0.244752	0.999988
2206.1	0.478850	0.511112	0.244746	0.999965
2206.2	0.478730	0.511196	0.244725	0.999879
2206.3	0.478570	0.511281	0.244684	0.999710
2206.4	0.478370	0.511365	0.244622	0.999458
2206.5	0.478120	0.511450	0.244534	0.999100
2206.6	0.477830	0.511534	0.244426	0.998659
2206.7	0.477490	0.511619	0.244293	0.998114
2206.8	0.477110	0.512250	0.244400	0.998550
2206.9	0.476670	0.512335	0.244215	0.997794
2207.0	0.476180	0.512419	0.244004	0.996932
2207.1	0.475630	0.512436	0.243730	0.995814
2207.2	0.475030	0.512453	0.243431	0.994591
2207.3	0.474380	0.512470	0.243106	0.993263
2207.4	0.473680	0.512488	0.242755	0.991831
2207.5	0.472940	0.512505	0.242384	0.990314
2207.6	0.472170	0.512522	0.241997	0.988735
2207.7	0.471350	0.512539	0.241585	0.987051
2207.8	0.470510	0.512556	0.241163	0.985324
2207.9	0.469640	0.512573	0.240725	0.983535
2208.0	0.468740	0.512590	0.240271	0.981683
2208.1	0.467810	0.512718	0.239855	0.979981

2208.2	0.466870	0.512847	0.239433	0.978257
2208.3	0.465910	0.512975	0.239000	0.976490
2208.4	0.464950	0.513103	0.238567	0.974721
2208.5	0.463970	0.513232	0.238124	0.972910
2208.6	0.462980	0.513360	0.237675	0.971076
2208.7	0.462000	0.514037	0.237485	0.970298
2208.8	0.461020	0.514165	0.237040	0.968483
2208.9	0.460040	0.514294	0.236596	0.966666
2209.0	0.459070	0.514422	0.236156	0.964868
2209.1	0.458110	0.514591	0.235739	0.963167
2209.2	0.457160	0.515254	0.235554	0.962407
2209.3	0.456220	0.515460	0.235163	0.960813
2209.4	0.455270	0.515630	0.234751	0.959128
2209.5	0.454320	0.515799	0.234338	0.957441
2209.6	0.453370	0.515969	0.233925	0.955753
2209.7	0.452400	0.516138	0.233501	0.954021
2209.8	0.451420	0.516308	0.233072	0.952267
2209.9	0.450420	0.516477	0.232632	0.950469
2210.0	0.449400	0.516647	0.232181	0.948629
2210.1	0.448350	0.516657	0.231643	0.946430
2210.2	0.447280	0.516666	0.231094	0.944189
2210.3	0.446190	0.516676	0.230536	0.941905
2210.4	0.445080	0.516685	0.229966	0.939579
2210.5	0.443950	0.516206	0.229170	0.936324
2210.6	0.442810	0.516173	0.228567	0.933861
2210.7	0.441650	0.516183	0.227972	0.931432
2210.8	0.440480	0.516192	0.227372	0.928981
2210.9	0.439300	0.516202	0.226767	0.926510
2211.0	0.438110	0.516211	0.226157	0.924017
2211.1	0.436920	0.516278	0.225572	0.921626
2211.2	0.435720	0.516344	0.224981	0.919212
2211.3	0.434510	0.516410	0.224385	0.916777
2211.4	0.433300	0.516476	0.223789	0.914341
2211.5	0.432070	0.516542	0.223182	0.911862
2211.6	0.430840	0.516608	0.222575	0.909382
2211.7	0.429600	0.516674	0.221963	0.906881
2211.8	0.428350	0.516740	0.221346	0.904358
2211.9	0.427090	0.516807	0.220723	0.901814
2212.0	0.425810	0.517424	0.220324	0.900184
2212.1	0.424530	0.517554	0.219717	0.897704
2212.2	0.423220	0.517683	0.219094	0.895158
2212.3	0.421900	0.517813	0.218465	0.892590
2212.4	0.420540	0.517955	0.217821	0.889957

2212.5	0.419160	0.518196	0.217207	0.887449
2212.6	0.417740	0.518437	0.216572	0.884854
2212.7	0.416280	0.518679	0.215915	0.882172
2212.8	0.414770	0.519472	0.215462	0.880317
2212.9	0.413210	0.519690	0.214741	0.877374
2213.0	0.411590	0.519821	0.213953	0.874153
2213.1	0.409910	0.519909	0.213116	0.870733
2213.2	0.408170	0.519997	0.212247	0.867184
2213.3	0.406370	0.520085	0.211347	0.863506
2213.4	0.404510	0.519620	0.210192	0.858785
2213.5	0.402580	0.519708	0.209224	0.854832
2213.6	0.400600	0.520350	0.208452	0.851679
2213.7	0.398560	0.520439	0.207426	0.847486
2213.8	0.396450	0.520527	0.206363	0.843142
2213.9	0.394290	0.520615	0.205273	0.838691
2214.0	0.392070	0.520703	0.204152	0.834110
2214.1	0.389780	0.520917	0.203043	0.829578
2214.2	0.387440	0.521131	0.201907	0.824937
2214.3	0.385040	0.521345	0.200739	0.820164
2214.4	0.382580	0.521559	0.199538	0.815258
2214.5	0.380070	0.521773	0.198310	0.810241
2214.6	0.377490	0.521987	0.197045	0.805071
2214.7	0.374860	0.522201	0.195752	0.799790
2214.8	0.372180	0.522415	0.194432	0.794397
2214.9	0.369440	0.522629	0.193080	0.788872
2215.0	0.366640	0.522843	0.191695	0.783214
2215.1	0.363790	0.523023	0.190271	0.777393
2215.2	0.360880	0.523203	0.188813	0.771440
2215.3	0.357900	0.523383	0.187319	0.765333
2215.4	0.354860	0.523563	0.185791	0.759093
2215.5	0.351760	0.523742	0.184232	0.752720
2215.6	0.348580	0.523922	0.182629	0.746171
2215.7	0.345320	0.524660	0.181176	0.740234
2215.8	0.341990	0.524840	0.179490	0.733348
2215.9	0.338570	0.525020	0.177756	0.726263
2216.0	0.335070	0.525201	0.175979	0.719002
2216.1	0.331480	0.524977	0.174019	0.710995
2216.2	0.327800	0.524753	0.172014	0.702803
2216.3	0.324050	0.524530	0.169974	0.694467
2216.4	0.320240	0.524306	0.167904	0.686009
2216.5	0.316360	0.524083	0.165799	0.677408
2216.6	0.312420	0.523859	0.163664	0.668686
2216.7	0.308440	0.523635	0.161510	0.659885

2216.8	0.304410	0.523411	0.159332	0.650985
2216.9	0.300350	0.523187	0.157139	0.642027
2217.0	0.296270	0.522962	0.154938	0.633035
2217.1	0.292160	0.522779	0.152735	0.624034
2217.2	0.288030	0.522596	0.150523	0.614997
2217.3	0.283870	0.522412	0.148297	0.605902
2217.4	0.279700	0.522229	0.146067	0.596791
2217.5	0.275510	0.522045	0.143829	0.587644
2217.6	0.271290	0.521861	0.141576	0.578439
2217.7	0.267050	0.521677	0.139314	0.569198
2217.8	0.262790	0.521493	0.137043	0.559921
2217.9	0.258500	0.521309	0.134758	0.550586
2218.0	0.254190	0.521125	0.132465	0.541214
2218.1	0.249860	0.521326	0.130258	0.532200
2218.2	0.245510	0.521527	0.128040	0.523137
2218.3	0.241130	0.521728	0.125804	0.514002
2218.4	0.236730	0.521930	0.123556	0.504818
2218.5	0.232310	0.522131	0.121296	0.495584
2218.6	0.227870	0.522333	0.119024	0.486299
2218.7	0.223410	0.522534	0.116739	0.476965
2218.8	0.218930	0.522736	0.114443	0.467581
2218.9	0.214430	0.523493	0.112253	0.458633
2219.0	0.209910	0.523695	0.109929	0.449139
2219.1	0.205380	0.523910	0.107601	0.439627
2219.2	0.200830	0.524124	0.105260	0.430063
2219.3	0.196280	0.524339	0.102917	0.420492
2219.4	0.191730	0.524554	0.100573	0.410912
2219.5	0.187170	0.524768	0.098221	0.401304
2219.6	0.182630	0.524983	0.095878	0.391730
2219.7	0.178100	0.525198	0.093538	0.382170
2219.8	0.173590	0.525413	0.091206	0.372644
2219.9	0.169100	0.525628	0.088884	0.363154
2220.0	0.164630	0.525843	0.086570	0.353699
2220.1	0.160210	0.526146	0.084294	0.344402
2220.2	0.155820	0.526450	0.082031	0.335158
2220.3	0.151480	0.526754	0.079793	0.326011
2220.4	0.147200	0.527057	0.077583	0.316982
2220.5	0.142980	0.527361	0.075402	0.308072
2220.6	0.138830	0.527665	0.073256	0.299303
2220.7	0.134770	0.527970	0.071154	0.290718
2220.8	0.130790	0.528835	0.069166	0.282595
2220.9	0.126900	0.529140	0.067148	0.274348
2221.0	0.123110	0.529445	0.065180	0.266308

2221.1	0.119440	0.529705	0.063268	0.258496
2221.2	0.115870	0.529965	0.061407	0.250892
2221.3	0.112400	0.530225	0.059597	0.243498
2221.4	0.109020	0.530485	0.057833	0.236292
2221.5	0.105740	0.530745	0.056121	0.229295
2221.6	0.102550	0.531005	0.054455	0.222487
2221.7	0.099449	0.531266	0.052834	0.215865
2221.8	0.096425	0.531526	0.051252	0.209403
2221.9	0.093478	0.531787	0.049710	0.203103
2222.0	0.090605	0.532048	0.048206	0.196957
2222.1	0.087801	0.531950	0.046706	0.190827
2222.2	0.085066	0.531853	0.045243	0.184849
2222.3	0.082400	0.531755	0.043817	0.179023
2222.4	0.079803	0.531657	0.042428	0.173348
2222.5	0.077274	0.531559	0.041076	0.167824
2222.6	0.074813	0.532026	0.039802	0.162622
2222.7	0.072421	0.531928	0.038523	0.157393
2222.8	0.070096	0.531830	0.037279	0.152312
2222.9	0.067840	0.531732	0.036073	0.147383
2223.0	0.065652	0.531634	0.034903	0.142603
2223.1	0.063531	0.531518	0.033768	0.137966
2223.2	0.061475	0.531402	0.032668	0.133472
2223.3	0.059481	0.531286	0.031601	0.129115
2223.4	0.057546	0.531170	0.030567	0.124887
2223.5	0.055667	0.531054	0.029562	0.120783
2223.6	0.053842	0.530937	0.028587	0.116798
2223.7	0.052067	0.530821	0.027638	0.112922
2223.8	0.050340	0.530705	0.026716	0.109153
2223.9	0.048658	0.530589	0.025817	0.105483
2224.0	0.047017	0.530473	0.024941	0.101903
2224.1	0.045416	0.530543	0.024095	0.098446
2224.2	0.043855	0.530613	0.023270	0.095075
2224.3	0.042335	0.530683	0.022466	0.091792
2224.4	0.040856	0.530753	0.021684	0.088597
2224.5	0.039420	0.530823	0.020925	0.085494
2224.6	0.038027	0.530893	0.020188	0.082484
2224.7	0.036678	0.531526	0.019495	0.079652
2224.8	0.035374	0.531596	0.018805	0.076831
2224.9	0.034116	0.531666	0.018138	0.074108
2225.0	0.032905	0.531736	0.017497	0.071487
2225.1	0.031741	0.531801	0.016880	0.068967
2225.2	0.030623	0.531867	0.016287	0.066546
2225.3	0.029550	0.531933	0.015719	0.064222

2225.4	0.028519	0.531999	0.015172	0.061989
2225.5	0.027529	0.532064	0.014647	0.059844
2225.6	0.026579	0.532130	0.014143	0.057786
2225.7	0.025666	0.532196	0.013659	0.055808
2225.8	0.024790	0.532261	0.013195	0.053910
2225.9	0.023948	0.532327	0.012748	0.052086
2226.0	0.023139	0.532393	0.012319	0.050332
2226.1	0.022361	0.532536	0.011908	0.048653
2226.2	0.021614	0.532680	0.011513	0.047040
2226.3	0.020895	0.532824	0.011133	0.045488
2226.4	0.020204	0.532967	0.010768	0.043995
2226.5	0.019540	0.533111	0.010417	0.042561
2226.6	0.018901	0.533255	0.010079	0.041180
2226.7	0.018286	0.533399	0.009754	0.039851
2226.8	0.017694	0.533543	0.009441	0.038571
2226.9	0.017124	0.533686	0.009139	0.037339
2227.0	0.016574	0.533830	0.008848	0.036149
2227.1	0.016044	0.533967	0.008567	0.035002
2227.2	0.015531	0.534104	0.008295	0.033892
2227.3	0.015033	0.534241	0.008031	0.032813
2227.4	0.014548	0.534378	0.007774	0.031763
2227.5	0.014075	0.534515	0.007523	0.030738
2227.6	0.013610	0.534086	0.007269	0.029699
2227.7	0.013153	0.534223	0.007027	0.028709
2227.8	0.012700	0.534360	0.006786	0.027727
2227.9	0.012250	0.534496	0.006548	0.026752
2228.0	0.011801	0.534633	0.006309	0.025778
2228.1	0.011352	0.534508	0.006068	0.024791
2228.2	0.010906	0.534384	0.005828	0.023812
2228.3	0.010468	0.534259	0.005593	0.022850
2228.4	0.010043	0.534134	0.005364	0.021917
2228.5	0.009636	0.534008	0.005146	0.021024
2228.6	0.009251	0.533883	0.004939	0.020180
2228.7	0.008894	0.533758	0.004747	0.019396
2228.8	0.008569	0.533633	0.004572	0.018682
2228.9	0.008280	0.533508	0.004417	0.018048
2229.0	0.008033	0.533382	0.004285	0.017506
2229.1	0.007830	0.533250	0.004176	0.017060
2229.2	0.007667	0.533118	0.004088	0.016701
2229.3	0.007537	0.532985	0.004017	0.016413
2229.4	0.007433	0.532853	0.003961	0.016182
2229.5	0.007348	0.532720	0.003914	0.015993
2229.6	0.007275	0.532588	0.003875	0.015830

2229.7	0.007208	0.532455	0.003838	0.015681
2229.8	0.007140	0.532323	0.003801	0.015529
2229.9	0.007064	0.532190	0.003759	0.015359
2230.0	0.006973	0.532058	0.003710	0.015158
2230.1	0.006862	0.532213	0.003652	0.014922
2230.2	0.006733	0.532368	0.003584	0.014645
2230.3	0.006588	0.532523	0.003508	0.014333
2230.4	0.006430	0.532678	0.003425	0.013993
2230.5	0.006261	0.532832	0.003336	0.013630
2230.6	0.006085	0.532987	0.003243	0.013251
2230.7	0.005904	0.533142	0.003148	0.012861
2230.8	0.005722	0.533298	0.003051	0.012467
2230.9	0.005540	0.533453	0.002955	0.012075
2231.0	0.005362	0.533608	0.002861	0.011690
2231.1	0.005190	0.533749	0.002770	0.011319
2231.2	0.005026	0.533889	0.002683	0.010964
2231.3	0.004870	0.534030	0.002601	0.010627
2231.4	0.004725	0.534171	0.002524	0.010311
2231.5	0.004589	0.534312	0.002452	0.010019
2231.6	0.004466	0.533886	0.002384	0.009742
2231.7	0.004356	0.534026	0.002326	0.009504
2231.8	0.004259	0.534167	0.002275	0.009295
2231.9	0.004178	0.534308	0.002232	0.009120
2232.0	0.004112	0.534448	0.002198	0.008979
2232.1	0.004063	0.535127	0.002174	0.008882
2232.2	0.004026	0.535239	0.002155	0.008804
2232.3	0.003998	0.535350	0.002140	0.008744
2232.4	0.003973	0.534895	0.002125	0.008683
2232.5	0.003948	0.535006	0.002112	0.008630
2232.6	0.003918	0.535117	0.002097	0.008566
2232.7	0.003879	0.535229	0.002076	0.008482
2232.8	0.003826	0.535341	0.002048	0.008368
2232.9	0.003755	0.535452	0.002010	0.008214
2233.0	0.003661	0.535564	0.001961	0.008011
2233.1	0.003542	0.535674	0.001897	0.007751
2233.2	0.003398	0.535785	0.001821	0.007439
2233.3	0.003233	0.535895	0.001733	0.007079
2233.4	0.003049	0.536005	0.001634	0.006677
2233.5	0.002849	0.536115	0.001527	0.006241
2233.6	0.002636	0.536226	0.001413	0.005775
2233.7	0.002412	0.536336	0.001294	0.005285
2233.8	0.002180	0.536446	0.001169	0.004778
2233.9	0.001943	0.536557	0.001042	0.004259

2234.0	0.001703	0.536667	0.000914	0.003734
2234.1	0.001464	0.536584	0.000785	0.003209
2234.2	0.001229	0.536502	0.000659	0.002693
2234.3	0.001002	0.536419	0.000538	0.002196
2234.4	0.000788	0.536336	0.000423	0.001727
2234.5	0.000591	0.536253	0.000317	0.001295
2234.6	0.000415	0.536170	0.000222	0.000908
2234.7	0.000263	0.536087	0.000141	0.000576
2234.8	0.000141	0.536004	0.000075	0.000308
2234.9	0.000052	0.535922	0.000028	0.000113
2235.0	0.000000	0.535839	0.000000	0.000000
Channel 15				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2201.1	0.000196	0.502480	0.000099	0.000293
2201.2	0.000381	0.502613	0.000191	0.000568
2201.3	0.000553	0.502745	0.000278	0.000826
2201.4	0.000714	0.502878	0.000359	0.001067
2201.5	0.000863	0.503010	0.000434	0.001290
2201.6	0.001000	0.503143	0.000503	0.001495
2201.7	0.001125	0.503275	0.000566	0.001683
2201.8	0.001239	0.503407	0.000624	0.001853
2201.9	0.001340	0.503540	0.000675	0.002005
2202.0	0.001430	0.503672	0.000720	0.002140
2202.1	0.001508	0.503907	0.000760	0.002258
2202.2	0.001574	0.504142	0.000794	0.002358
2202.3	0.001670	0.504377	0.000842	0.002503
2202.4	0.001766	0.505152	0.000892	0.002650
2202.5	0.001862	0.505387	0.000941	0.002795
2202.6	0.001957	0.505622	0.000990	0.002940
2202.7	0.002053	0.505857	0.001039	0.003086
2202.8	0.002149	0.506092	0.001088	0.003231
2202.9	0.002245	0.506328	0.001137	0.003377
2203.0	0.002340	0.506563	0.001186	0.003522
2203.1	0.002436	0.506827	0.001235	0.003668
2203.2	0.002532	0.507092	0.001284	0.003814
2203.3	0.002628	0.507356	0.001333	0.003961
2203.4	0.002723	0.507620	0.001382	0.004107
2203.5	0.002819	0.507885	0.001432	0.004254
2203.6	0.002915	0.508149	0.001481	0.004401
2203.7	0.003011	0.508414	0.001531	0.004547

2203.8	0.003106	0.508678	0.001580	0.004695
2203.9	0.003202	0.508943	0.001630	0.004842
2204.0	0.003298	0.509208	0.001679	0.004989
2204.1	0.003394	0.509299	0.001728	0.005135
2204.2	0.003489	0.509390	0.001777	0.005281
2204.3	0.003585	0.510026	0.001828	0.005432
2204.4	0.003681	0.510117	0.001878	0.005579
2204.5	0.003777	0.510207	0.001927	0.005725
2204.6	0.003872	0.510298	0.001976	0.005871
2204.7	0.003968	0.510389	0.002025	0.006017
2204.8	0.004064	0.510480	0.002074	0.006163
2204.9	0.004160	0.510571	0.002124	0.006310
2205.0	0.004255	0.510661	0.002173	0.006456
2205.1	0.004351	0.510698	0.002222	0.006602
2205.2	0.004447	0.510735	0.002271	0.006747
2205.3	0.004543	0.510771	0.002320	0.006893
2205.4	0.004638	0.510808	0.002369	0.007039
2205.5	0.004734	0.510845	0.002418	0.007185
2205.6	0.004830	0.510881	0.002467	0.007331
2205.7	0.004926	0.510918	0.002517	0.007477
2205.8	0.005021	0.510955	0.002566	0.007622
2205.9	0.005117	0.510991	0.002615	0.007768
2206.0	0.005213	0.511028	0.002664	0.007914
2206.1	0.005308	0.511112	0.002713	0.008061
2206.2	0.005404	0.511196	0.002763	0.008208
2206.3	0.005500	0.511281	0.002812	0.008354
2206.4	0.005596	0.511365	0.002861	0.008501
2206.5	0.005692	0.511450	0.002911	0.008648
2206.6	0.005787	0.511534	0.002960	0.008795
2206.7	0.005883	0.511619	0.003010	0.008942
2206.8	0.005979	0.512250	0.003063	0.009099
2206.9	0.006075	0.512335	0.003112	0.009246
2207.0	0.006170	0.512419	0.003162	0.009393
2207.1	0.006266	0.512436	0.003211	0.009540
2207.2	0.006362	0.512453	0.003260	0.009686
2207.3	0.006457	0.512470	0.003309	0.009832
2207.4	0.006553	0.512488	0.003358	0.009978
2207.5	0.006649	0.512505	0.003408	0.010124
2207.6	0.006745	0.512522	0.003457	0.010270
2207.7	0.006840	0.512539	0.003506	0.010416
2207.8	0.006936	0.512556	0.003555	0.010562
2207.9	0.007032	0.512573	0.003604	0.010708
2208.0	0.007128	0.512590	0.003654	0.010855

2208.1	0.007223	0.512718	0.003704	0.011003
2208.2	0.007319	0.512847	0.003754	0.011152
2208.3	0.007415	0.512975	0.003804	0.011301
2208.4	0.007511	0.513103	0.003854	0.011449
2208.5	0.007606	0.513232	0.003904	0.011598
2208.6	0.007702	0.513360	0.003954	0.011747
2208.7	0.007798	0.514037	0.004008	0.011909
2208.8	0.007894	0.514165	0.004059	0.012058
2208.9	0.007989	0.514294	0.004109	0.012207
2209.0	0.008085	0.514422	0.004159	0.012357
2209.1	0.008181	0.514591	0.004210	0.012507
2209.2	0.008277	0.515254	0.004265	0.012670
2209.3	0.008372	0.515460	0.004316	0.012821
2209.4	0.008468	0.515630	0.004366	0.012972
2209.5	0.008564	0.515799	0.004417	0.013123
2209.6	0.008660	0.515969	0.004468	0.013275
2209.7	0.008755	0.516138	0.004519	0.013426
2209.8	0.008851	0.516308	0.004570	0.013577
2209.9	0.008947	0.516477	0.004621	0.013728
2210.0	0.009043	0.516647	0.004672	0.013880
2210.1	0.009138	0.516657	0.004721	0.014027
2210.2	0.009234	0.516666	0.004771	0.014174
2210.3	0.009330	0.516676	0.004820	0.014321
2210.4	0.009425	0.516685	0.004870	0.014469
2210.5	0.009521	0.516206	0.004915	0.014602
2210.6	0.009617	0.516173	0.004964	0.014748
2210.7	0.009713	0.516183	0.005014	0.014895
2210.8	0.009808	0.516192	0.005063	0.015042
2210.9	0.009904	0.516202	0.005113	0.015189
2211.0	0.010000	0.516211	0.005162	0.015336
2211.1	0.010800	0.516278	0.005576	0.016565
2211.2	0.011600	0.516344	0.005990	0.017795
2211.3	0.012300	0.516410	0.006352	0.018871
2211.4	0.013100	0.516476	0.006766	0.020101
2211.5	0.013800	0.516542	0.007128	0.021178
2211.6	0.014400	0.516608	0.007439	0.022101
2211.7	0.014900	0.516674	0.007698	0.022872
2211.8	0.015400	0.516740	0.007958	0.023642
2211.9	0.015800	0.516807	0.008166	0.024260
2212.0	0.016000	0.517424	0.008279	0.024596
2212.1	0.016200	0.517554	0.008384	0.024910
2212.2	0.016300	0.517683	0.008438	0.025070
2212.3	0.016300	0.517813	0.008440	0.025076

2212.4	0.016300	0.517955	0.008443	0.025083
2212.5	0.016200	0.518196	0.008395	0.024941
2212.6	0.016200	0.518437	0.008399	0.024952
2212.7	0.016200	0.518679	0.008403	0.024964
2212.8	0.016234	0.519472	0.008433	0.025055
2212.9	0.016400	0.519690	0.008523	0.025321
2213.0	0.016600	0.519821	0.008629	0.025637
2213.1	0.016900	0.519909	0.008786	0.026104
2213.2	0.017400	0.519997	0.009048	0.026881
2213.3	0.018000	0.520085	0.009362	0.027813
2213.4	0.018700	0.519620	0.009717	0.028869
2213.5	0.019500	0.519708	0.010134	0.030109
2213.6	0.020400	0.520350	0.010615	0.031537
2213.7	0.021400	0.520439	0.011137	0.033089
2213.8	0.022400	0.520527	0.011660	0.034641
2213.9	0.023600	0.520615	0.012287	0.036503
2214.0	0.024757	0.520703	0.012891	0.038299
2214.1	0.026000	0.520917	0.013544	0.040238
2214.2	0.027300	0.521131	0.014227	0.042268
2214.3	0.028600	0.521345	0.014910	0.044298
2214.4	0.030000	0.521559	0.015647	0.046486
2214.5	0.031339	0.521773	0.016352	0.048581
2214.6	0.032700	0.521987	0.017069	0.050711
2214.7	0.034000	0.522201	0.017755	0.052749
2214.8	0.035400	0.522415	0.018493	0.054943
2214.9	0.036700	0.522629	0.019180	0.056984
2215.0	0.037952	0.522843	0.019843	0.058953
2215.1	0.039200	0.523023	0.020503	0.060912
2215.2	0.040400	0.523203	0.021137	0.062798
2215.3	0.041600	0.523383	0.021773	0.064686
2215.4	0.042800	0.523563	0.022408	0.066575
2215.5	0.043900	0.523742	0.022992	0.068309
2215.6	0.045100	0.523922	0.023629	0.070201
2215.7	0.046300	0.524660	0.024292	0.072170
2215.8	0.047446	0.524840	0.024902	0.073982
2215.9	0.048700	0.525020	0.025568	0.075963
2216.0	0.049900	0.525201	0.026208	0.077862
2216.1	0.051300	0.524977	0.026931	0.080012
2216.2	0.052700	0.524753	0.027655	0.082161
2216.3	0.054300	0.524530	0.028482	0.084619
2216.4	0.055900	0.524306	0.029309	0.087075
2216.5	0.057700	0.524083	0.030240	0.089841
2216.6	0.059600	0.523859	0.031222	0.092759

2216.7	0.061600	0.523635	0.032256	0.095831
2216.8	0.063800	0.523411	0.033394	0.099211
2216.9	0.066000	0.523187	0.034530	0.102588
2217.0	0.068265	0.522962	0.035700	0.106064
2217.1	0.070600	0.522779	0.036908	0.109653
2217.2	0.073000	0.522596	0.038149	0.113341
2217.3	0.075300	0.522412	0.039338	0.116871
2217.4	0.077700	0.522229	0.040577	0.120553
2217.5	0.080100	0.522045	0.041816	0.124233
2217.6	0.082500	0.521861	0.043054	0.127910
2217.7	0.084900	0.521677	0.044290	0.131585
2217.8	0.087200	0.521493	0.045474	0.135102
2217.9	0.089600	0.521309	0.046709	0.138772
2218.0	0.091900	0.521125	0.047891	0.142283
2218.1	0.094300	0.521326	0.049161	0.146056
2218.2	0.096700	0.521527	0.050432	0.149831
2218.3	0.099000	0.521728	0.051651	0.153453
2218.4	0.101424	0.521930	0.052936	0.157272
2218.5	0.103878	0.522131	0.054238	0.161139
2218.6	0.106400	0.522333	0.055576	0.165115
2218.7	0.109005	0.522534	0.056959	0.169223
2218.8	0.111701	0.522736	0.058390	0.173475
2218.9	0.114495	0.523493	0.059937	0.178072
2219.0	0.117393	0.523695	0.061478	0.182649
2219.1	0.120400	0.523910	0.063079	0.187405
2219.2	0.123522	0.524124	0.064741	0.192343
2219.3	0.126756	0.524339	0.066463	0.197460
2219.4	0.130100	0.524554	0.068244	0.202751
2219.5	0.133549	0.524768	0.070082	0.208212
2219.6	0.137100	0.524983	0.071975	0.213836
2219.7	0.140748	0.525198	0.073920	0.219614
2219.8	0.144477	0.525413	0.075910	0.225527
2219.9	0.148274	0.525628	0.077937	0.231547
2220.0	0.152120	0.525843	0.079991	0.237650
2220.1	0.156000	0.526146	0.082079	0.243853
2220.2	0.159896	0.526450	0.084177	0.250088
2220.3	0.163782	0.526754	0.086273	0.256314
2220.4	0.167630	0.527057	0.088351	0.262487
2220.5	0.171412	0.527361	0.090396	0.268564
2220.6	0.175100	0.527665	0.092394	0.274500
2220.7	0.178673	0.527970	0.094334	0.280263
2220.8	0.182142	0.528835	0.096323	0.286173
2220.9	0.185525	0.529140	0.098169	0.291655

2221.0	0.188838	0.529445	0.099979	0.297035
2221.1	0.192100	0.529705	0.101756	0.302314
2221.2	0.195329	0.529965	0.103518	0.307547
2221.3	0.198550	0.530225	0.105276	0.312771
2221.4	0.201785	0.530485	0.107044	0.318024
2221.5	0.205061	0.530745	0.108835	0.323344
2221.6	0.208400	0.531005	0.110661	0.328771
2221.7	0.211825	0.531266	0.112535	0.334338
2221.8	0.215342	0.531526	0.114460	0.340057
2221.9	0.218958	0.531787	0.116439	0.345935
2222.0	0.222675	0.532048	0.118474	0.351982
2222.1	0.226500	0.531950	0.120487	0.357962
2222.2	0.230432	0.531853	0.122556	0.364109
2222.3	0.234457	0.531755	0.124674	0.370401
2222.4	0.238556	0.531657	0.126830	0.376807
2222.5	0.242710	0.531559	0.129015	0.383298
2222.6	0.246900	0.532026	0.131357	0.390257
2222.7	0.251109	0.531928	0.133572	0.396837
2222.8	0.255325	0.531830	0.135789	0.403425
2222.9	0.259536	0.531732	0.138004	0.410003
2223.0	0.263731	0.531634	0.140208	0.416554
2223.1	0.267900	0.531518	0.142394	0.423046
2223.2	0.272033	0.531402	0.144559	0.429478
2223.3	0.276128	0.531286	0.146703	0.435849
2223.4	0.280187	0.531170	0.148827	0.442160
2223.5	0.284211	0.531054	0.150931	0.448411
2223.6	0.288200	0.530937	0.153016	0.454605
2223.7	0.292154	0.530821	0.155081	0.460741
2223.8	0.296067	0.530705	0.157124	0.466811
2223.9	0.299934	0.530589	0.159141	0.472803
2224.0	0.303747	0.530473	0.161129	0.478709
2224.1	0.307500	0.530543	0.163142	0.484689
2224.2	0.311193	0.530613	0.165123	0.490574
2224.3	0.314850	0.530683	0.167085	0.496405
2224.4	0.318500	0.530753	0.169045	0.502226
2224.5	0.322174	0.530823	0.171017	0.508085
2224.6	0.325900	0.530893	0.173018	0.514030
2224.7	0.329706	0.531526	0.175247	0.520653
2224.8	0.333607	0.531596	0.177344	0.526883
2224.9	0.337615	0.531666	0.179498	0.533283
2225.0	0.341742	0.531736	0.181717	0.539873
2225.1	0.346000	0.531801	0.184003	0.546667
2225.2	0.350395	0.531867	0.186363	0.553679

2225.3	0.354907	0.531933	0.188787	0.560878
2225.4	0.359512	0.531999	0.191260	0.568226
2225.5	0.364185	0.532064	0.193770	0.575683
2225.6	0.368900	0.532130	0.196303	0.583208
2225.7	0.373632	0.532196	0.198845	0.590762
2225.8	0.378355	0.532261	0.201384	0.598303
2225.9	0.383042	0.532327	0.203903	0.605790
2226.0	0.387666	0.532393	0.206390	0.613178
2226.1	0.392200	0.532536	0.208861	0.620518
2226.2	0.396623	0.532680	0.211273	0.627685
2226.3	0.400932	0.532824	0.213626	0.634676
2226.4	0.405130	0.532967	0.215921	0.641494
2226.5	0.409218	0.533111	0.218159	0.648142
2226.6	0.413200	0.533255	0.220341	0.654625
2226.7	0.417082	0.533399	0.222471	0.660953
2226.8	0.420891	0.533543	0.224563	0.667169
2226.9	0.424659	0.533686	0.226635	0.673323
2227.0	0.428418	0.533830	0.228703	0.679467
2227.1	0.432200	0.533967	0.230781	0.685641
2227.2	0.436033	0.534104	0.232887	0.691899
2227.3	0.439930	0.534241	0.235029	0.698262
2227.4	0.443901	0.534378	0.237211	0.704745
2227.5	0.447954	0.534515	0.239438	0.711362
2227.6	0.452100	0.534086	0.241460	0.717369
2227.7	0.456341	0.534223	0.243788	0.724284
2227.8	0.460652	0.534360	0.246154	0.731314
2227.9	0.465003	0.534496	0.248542	0.738410
2228.0	0.469363	0.534633	0.250937	0.745524
2228.1	0.473700	0.534508	0.253197	0.752238
2228.2	0.477988	0.534384	0.255429	0.758870
2228.3	0.482218	0.534259	0.257629	0.765407
2228.4	0.486384	0.534134	0.259794	0.771837
2228.5	0.490479	0.534008	0.261920	0.778155
2228.6	0.494500	0.533883	0.264005	0.784349
2228.7	0.498443	0.533758	0.266048	0.790418
2228.8	0.502314	0.533633	0.268051	0.796370
2228.9	0.506125	0.533508	0.270021	0.802223
2229.0	0.509883	0.533382	0.271963	0.807991
2229.1	0.513600	0.533250	0.273877	0.813679
2229.2	0.517282	0.533118	0.275772	0.819309
2229.3	0.520927	0.532985	0.277647	0.824878
2229.4	0.524532	0.532853	0.279498	0.830379
2229.5	0.528091	0.532720	0.281325	0.835805

2229.6	0.531600	0.532588	0.283124	0.841150
2229.7	0.535056	0.532455	0.284894	0.846408
2229.8	0.538461	0.532323	0.286635	0.851583
2229.9	0.541818	0.532190	0.288351	0.856679
2230.0	0.545130	0.532058	0.290041	0.861700
2230.1	0.548400	0.532213	0.291865	0.867121
2230.2	0.551631	0.532368	0.293671	0.872484
2230.3	0.554830	0.532523	0.295460	0.877799
2230.4	0.558003	0.532678	0.297236	0.883077
2230.5	0.561158	0.532832	0.299003	0.888327
2230.6	0.564300	0.532987	0.300765	0.893561
2230.7	0.567436	0.533142	0.302524	0.898788
2230.8	0.570565	0.533298	0.304281	0.904007
2230.9	0.573686	0.533453	0.306034	0.909217
2231.0	0.576798	0.533608	0.307784	0.914415
2231.1	0.579900	0.533749	0.309521	0.919575
2231.2	0.582988	0.533889	0.311251	0.924715
2231.3	0.586048	0.534030	0.312967	0.929814
2231.4	0.589064	0.534171	0.314661	0.934845
2231.5	0.592020	0.534312	0.316323	0.939784
2231.6	0.594900	0.533886	0.317609	0.943603
2231.7	0.597689	0.534026	0.319181	0.948276
2231.8	0.600374	0.534167	0.320700	0.952787
2231.9	0.602945	0.534308	0.322158	0.957119
2232.0	0.605391	0.534448	0.323550	0.961255
2232.1	0.607700	0.535127	0.325197	0.966148
2232.2	0.609864	0.535239	0.326423	0.969791
2232.3	0.611884	0.535350	0.327572	0.973205
2232.4	0.613761	0.534895	0.328298	0.975360
2232.5	0.615499	0.535006	0.329296	0.978325
2232.6	0.617100	0.535117	0.330221	0.981074
2232.7	0.618567	0.535229	0.331075	0.983611
2232.8	0.619905	0.535341	0.331860	0.985944
2232.9	0.621119	0.535452	0.332580	0.988082
2233.0	0.622216	0.535564	0.333236	0.990032
2233.1	0.623200	0.535674	0.333832	0.991803
2233.2	0.624076	0.535785	0.334370	0.993402
2233.3	0.624845	0.535895	0.334851	0.994831
2233.4	0.625506	0.536005	0.335274	0.996088
2233.5	0.626058	0.536115	0.335639	0.997172
2233.6	0.626500	0.536226	0.335945	0.998081
2233.7	0.626832	0.536336	0.336193	0.998816
2233.8	0.627056	0.536446	0.336382	0.999379

2233.9	0.627174	0.536557	0.336515	0.999772
2234.0	0.627188	0.536667	0.336591	1.000000
2234.1	0.627100	0.536584	0.336492	0.999706
2234.2	0.626912	0.536502	0.336339	0.999252
2234.3	0.626626	0.536419	0.336134	0.998642
2234.4	0.626244	0.536336	0.335878	0.997880
2234.5	0.625768	0.536253	0.335570	0.996967
2234.6	0.625200	0.536170	0.335214	0.995907
2234.7	0.624544	0.536087	0.334810	0.994709
2234.8	0.623817	0.536004	0.334369	0.993397
2234.9	0.623038	0.535922	0.333899	0.992003
2235.0	0.622226	0.535839	0.333413	0.990557
2235.1	0.621400	0.535767	0.332926	0.989110
2235.2	0.620574	0.535696	0.332439	0.987663
2235.3	0.619736	0.535625	0.331946	0.986199
2235.4	0.618873	0.535553	0.331439	0.984693
2235.5	0.617966	0.535482	0.330909	0.983120
2235.6	0.617000	0.535410	0.330348	0.981452
2235.7	0.615963	0.535339	0.329749	0.979672
2235.8	0.614858	0.535267	0.329113	0.977784
2235.9	0.613691	0.535196	0.328445	0.975798
2236.0	0.612470	0.535124	0.327747	0.973725
2236.1	0.611200	0.535032	0.327011	0.971538
2236.2	0.609889	0.534939	0.326253	0.969286
2236.3	0.608539	0.534846	0.325475	0.966973
2236.4	0.607156	0.534753	0.324678	0.964606
2236.5	0.605742	0.534092	0.323522	0.961172
2236.6	0.604300	0.533999	0.322696	0.958717
2236.7	0.602834	0.533907	0.321857	0.956225
2236.8	0.601343	0.533814	0.321005	0.953694
2236.9	0.599824	0.533721	0.320139	0.951120
2237.0	0.598277	0.533628	0.319258	0.948502
2237.1	0.596700	0.533554	0.318372	0.945870
2237.2	0.595092	0.533480	0.317469	0.943190
2237.3	0.593454	0.533406	0.316552	0.940464
2237.4	0.591791	0.533332	0.315621	0.937698
2237.5	0.590105	0.533258	0.314678	0.934897
2237.6	0.588400	0.533183	0.313725	0.932066
2237.7	0.586677	0.533109	0.312763	0.929208
2237.8	0.584937	0.533035	0.311792	0.926322
2237.9	0.583179	0.532960	0.310811	0.923408
2238.0	0.581400	0.532886	0.309820	0.920463
2238.1	0.579600	0.533004	0.308929	0.917816

2238.2	0.577776	0.533121	0.308025	0.915130
2238.3	0.575917	0.533239	0.307101	0.912387
2238.4	0.574010	0.533357	0.306152	0.909566
2238.5	0.572042	0.533474	0.305170	0.906648
2238.6	0.570000	0.533592	0.304148	0.903611
2238.7	0.567871	0.533710	0.303078	0.900434
2238.8	0.565640	0.533828	0.301954	0.897095
2238.9	0.563295	0.533945	0.300769	0.893572
2239.0	0.560819	0.534063	0.299513	0.889841
2239.1	0.558200	0.534154	0.298165	0.885837
2239.2	0.555429	0.534246	0.296735	0.881590
2239.3	0.552521	0.534337	0.295233	0.877126
2239.4	0.549500	0.534429	0.293668	0.872478
2239.5	0.546385	0.534520	0.292054	0.867681
2239.6	0.543200	0.534612	0.290401	0.862771
2239.7	0.539964	0.534703	0.288720	0.857777
2239.8	0.536687	0.534795	0.287017	0.852717
2239.9	0.533378	0.534886	0.285297	0.847606
2240.0	0.530046	0.534978	0.283563	0.842455
2240.1	0.526700	0.534992	0.281780	0.837158
2240.2	0.523344	0.535006	0.279992	0.831846
2240.3	0.519969	0.535020	0.278194	0.826503
2240.4	0.516562	0.535034	0.276378	0.821109
2240.5	0.513110	0.535048	0.274538	0.815643
2240.6	0.509600	0.535062	0.272667	0.810085
2240.7	0.506021	0.535076	0.270760	0.804417
2240.8	0.502372	0.535090	0.268814	0.798636
2240.9	0.498652	0.535104	0.266830	0.792743
2241.0	0.494861	0.535118	0.264809	0.786738
2241.1	0.491000	0.535165	0.262766	0.780668
2241.2	0.487071	0.535212	0.260687	0.774490
2241.3	0.483090	0.535259	0.258578	0.768226
2241.4	0.479072	0.535306	0.256451	0.761905
2241.5	0.475037	0.535354	0.254313	0.755553
2241.6	0.471000	0.535401	0.252174	0.749199
2241.7	0.466976	0.535448	0.250042	0.742865
2241.8	0.462967	0.535496	0.247917	0.736551
2241.9	0.458969	0.535543	0.245798	0.730255
2242.0	0.454981	0.535590	0.243683	0.723974
2242.1	0.451000	0.535789	0.241641	0.717906
2242.2	0.447019	0.535987	0.239597	0.711833
2242.3	0.443012	0.536186	0.237536	0.705712
2242.4	0.438944	0.536384	0.235443	0.699491

2242.5	0.434784	0.536583	0.233298	0.693119
2242.6	0.430500	0.536779	0.231083	0.686540
2242.7	0.426064	0.536974	0.228785	0.679712
2242.8	0.421468	0.537169	0.226400	0.672625
2242.9	0.416710	0.537365	0.223925	0.665274
2243.0	0.411789	0.537560	0.221361	0.657655
2243.1	0.406700	0.537771	0.218711	0.649784
2243.2	0.401447	0.537411	0.215742	0.640961
2243.3	0.396047	0.537621	0.212923	0.632588
2243.4	0.390524	0.537832	0.210037	0.624011
2243.5	0.384901	0.538043	0.207094	0.615267
2243.6	0.379200	0.538255	0.204106	0.606392
2243.7	0.373445	0.538466	0.201087	0.597422
2243.8	0.367661	0.538677	0.198050	0.588400
2243.9	0.361874	0.538888	0.195010	0.579367
2244.0	0.356112	0.539099	0.191980	0.570365
2244.1	0.350400	0.539363	0.188993	0.561491
2244.2	0.344758	0.539627	0.186041	0.552720
2244.3	0.339180	0.539891	0.183120	0.544043
2244.4	0.333652	0.540156	0.180224	0.535439
2244.5	0.328163	0.540420	0.177346	0.526888
2244.6	0.322700	0.540684	0.174479	0.518370
2244.7	0.317248	0.540948	0.171615	0.509862
2244.8	0.311791	0.541213	0.168745	0.501336
2244.9	0.306310	0.541477	0.165860	0.492763
2245.0	0.300786	0.541741	0.162948	0.484112
2245.1	0.295200	0.541951	0.159984	0.475307
2245.2	0.289538	0.542161	0.156976	0.466370
2245.3	0.283796	0.542371	0.153923	0.457299
2245.4	0.277976	0.542581	0.150824	0.448093
2245.5	0.272077	0.542214	0.147524	0.438288
2245.6	0.266100	0.542423	0.144339	0.428825
2245.7	0.260051	0.542633	0.141112	0.419239
2245.8	0.253955	0.542843	0.137858	0.409570
2245.9	0.247844	0.543052	0.134593	0.399869
2246.0	0.241749	0.543262	0.131333	0.390185
2246.1	0.235700	0.543189	0.128030	0.380371
2246.2	0.229724	0.543116	0.124767	0.370678
2246.3	0.223831	0.543043	0.121550	0.361121
2246.4	0.218026	0.542971	0.118382	0.351708
2246.5	0.212314	0.542897	0.115265	0.342447
2246.6	0.206700	0.542824	0.112202	0.333347
2246.7	0.201189	0.542751	0.109196	0.324417

2246.8	0.195788	0.542678	0.106250	0.315665
2246.9	0.190502	0.542605	0.103368	0.307101
2247.0	0.185337	0.542532	0.100552	0.298735
2247.1	0.180300	0.542454	0.097804	0.290573
2247.2	0.175395	0.542376	0.095130	0.282627
2247.3	0.170622	0.542298	0.092528	0.274898
2247.4	0.165982	0.542221	0.089999	0.267384
2247.5	0.161475	0.542143	0.087542	0.260085
2247.6	0.157100	0.542065	0.085158	0.253002
2247.7	0.152855	0.541987	0.082846	0.246131
2247.8	0.148733	0.541909	0.080600	0.239459
2247.9	0.144723	0.541831	0.078415	0.232969
2248.0	0.140815	0.541753	0.076287	0.226646
2248.1	0.137000	0.541758	0.074221	0.220508
2248.2	0.133267	0.541764	0.072199	0.214501
2248.3	0.129604	0.541769	0.070215	0.208607
2248.4	0.125997	0.541774	0.068262	0.202803
2248.5	0.122434	0.541202	0.066261	0.196860
2248.6	0.118900	0.541208	0.064350	0.191180
2248.7	0.115385	0.541213	0.062448	0.185530
2248.8	0.111882	0.541218	0.060553	0.179900
2248.9	0.108387	0.541224	0.058662	0.174281
2249.0	0.104894	0.541229	0.056772	0.168667
2249.1	0.101400	0.541223	0.054880	0.163047
2249.2	0.097900	0.541217	0.052985	0.157417
2249.3	0.094400	0.541211	0.051090	0.151788
2249.4	0.091000	0.541205	0.049250	0.146319
2249.5	0.087600	0.541199	0.047409	0.140851
2249.6	0.084300	0.541194	0.045623	0.135543
2249.7	0.081104	0.541188	0.043892	0.130403
2249.8	0.078000	0.541182	0.042212	0.125411
2249.9	0.075100	0.541176	0.040642	0.120747
2250.0	0.072200	0.541170	0.039072	0.116083
2250.1	0.069500	0.541302	0.037620	0.111769
2250.2	0.066900	0.541434	0.036222	0.107614
2250.3	0.064476	0.541566	0.034918	0.103739
2250.4	0.062100	0.541698	0.033639	0.099941
2250.5	0.059900	0.541830	0.032456	0.096424
2250.6	0.057800	0.541962	0.031325	0.093067
2250.7	0.055800	0.542094	0.030249	0.089868
2250.8	0.053800	0.542226	0.029172	0.086668
2250.9	0.051900	0.542358	0.028148	0.083628
2251.0	0.050100	0.542489	0.027179	0.080747

2251.1	0.048300	0.542600	0.026208	0.077862
2251.2	0.046500	0.542710	0.025236	0.074975
2251.3	0.044800	0.542821	0.024318	0.072249
2251.4	0.043133	0.542931	0.023418	0.069574
2251.5	0.041500	0.543042	0.022536	0.066954
2251.6	0.039800	0.543152	0.021617	0.064225
2251.7	0.038200	0.543262	0.020753	0.061655
2251.8	0.036500	0.543373	0.019833	0.058923
2251.9	0.035000	0.542904	0.019002	0.056453
2252.0	0.033400	0.543014	0.018137	0.053883
2252.1	0.032000	0.542854	0.017371	0.051610
2252.2	0.030600	0.542695	0.016606	0.049337
2252.3	0.029400	0.542536	0.015951	0.047389
2252.4	0.028207	0.542377	0.015299	0.045452
2252.5	0.027100	0.542217	0.014694	0.043656
2252.6	0.026200	0.542058	0.014202	0.042193
2252.7	0.025400	0.541899	0.013764	0.040893
2252.8	0.024600	0.541740	0.013327	0.039593
2252.9	0.024000	0.541581	0.012998	0.038616
2253.0	0.023400	0.541422	0.012669	0.037640
2253.1	0.022900	0.541277	0.012395	0.036826
2253.2	0.022400	0.541133	0.012121	0.036012
2253.3	0.022000	0.540988	0.011902	0.035360
2253.4	0.021500	0.540843	0.011628	0.034547
2253.5	0.021100	0.540698	0.011409	0.033895
2253.6	0.020700	0.540554	0.011189	0.033243
2253.7	0.020300	0.540986	0.010982	0.032627
2253.8	0.019894	0.540841	0.010760	0.031967
2253.9	0.019500	0.540696	0.010544	0.031325
2254.0	0.019100	0.540552	0.010325	0.030674
2254.1	0.018600	0.540502	0.010053	0.029868
2254.2	0.018100	0.540453	0.009782	0.029063
2254.3	0.017602	0.540403	0.009512	0.028260
2254.4	0.017000	0.540354	0.009186	0.027291
2254.5	0.016400	0.540304	0.008861	0.026326
2254.6	0.015800	0.540255	0.008536	0.025360
2254.7	0.015100	0.540206	0.008157	0.024234
2254.8	0.014400	0.540156	0.007778	0.023109
2254.9	0.013700	0.540107	0.007399	0.021984
2255.0	0.013000	0.540057	0.007021	0.020858
2255.1	0.012400	0.540020	0.006696	0.019894
2255.2	0.011900	0.539983	0.006426	0.019091
2255.3	0.011500	0.539946	0.006209	0.018448

2255.4	0.011100	0.539908	0.005993	0.017805
2255.5	0.010800	0.539871	0.005831	0.017323
2255.6	0.010600	0.539834	0.005722	0.017001
2255.7	0.010400	0.539797	0.005614	0.016679
2255.8	0.010200	0.539760	0.005506	0.016357
2255.9	0.010100	0.539722	0.005451	0.016195
2256.0	0.010000	0.539685	0.005397	0.016034
2256.1	0.009890	0.539834	0.005339	0.015862
2256.2	0.009790	0.539982	0.005286	0.015706
2256.3	0.009680	0.540131	0.005228	0.015534
2256.4	0.009590	0.540279	0.005181	0.015393
2256.5	0.009490	0.540428	0.005129	0.015237
2256.6	0.009400	0.540839	0.005084	0.015104
2256.7	0.009310	0.541282	0.005039	0.014972
2256.8	0.009220	0.541431	0.004992	0.014831
2256.9	0.009140	0.541580	0.004950	0.014706
2257.0	0.009060	0.541728	0.004908	0.014582
2257.1	0.008980	0.541855	0.004866	0.014456
2257.2	0.008900	0.541982	0.004824	0.014331
2257.3	0.008830	0.542109	0.004787	0.014221
2257.4	0.008760	0.542235	0.004750	0.014112
2257.5	0.008690	0.542362	0.004713	0.014003
2257.6	0.008620	0.542489	0.004676	0.013893
2257.7	0.008560	0.542615	0.004645	0.013799
2257.8	0.008490	0.542742	0.004608	0.013690
2257.9	0.008430	0.542868	0.004576	0.013596
2258.0	0.008370	0.542995	0.004545	0.013503
2258.1	0.008310	0.542868	0.004511	0.013403
2258.2	0.008250	0.542742	0.004478	0.013303
2258.3	0.008190	0.542615	0.004444	0.013203
2258.4	0.008140	0.542489	0.004416	0.013119
2258.5	0.008080	0.542362	0.004382	0.013020
2258.6	0.008030	0.542236	0.004354	0.012936
2258.7	0.007980	0.542109	0.004326	0.012852
2258.8	0.007920	0.541982	0.004293	0.012753
2258.9	0.007870	0.541856	0.004264	0.012669
2259.0	0.007820	0.541729	0.004236	0.012586
2259.1	0.007770	0.541572	0.004208	0.012502
2259.2	0.007720	0.541416	0.004180	0.012418
2259.3	0.007670	0.541260	0.004151	0.012334
2259.4	0.007620	0.540527	0.004119	0.012237
2259.5	0.007560	0.540370	0.004085	0.012137
2259.6	0.007510	0.540214	0.004057	0.012053

2259.7	0.007460	0.540058	0.004029	0.011970
2259.8	0.007410	0.539902	0.004001	0.011886
2259.9	0.007350	0.539746	0.003967	0.011786
2260.0	0.007300	0.539589	0.003939	0.011703
2260.1	0.007250	0.539630	0.003912	0.011623
2260.2	0.007190	0.539670	0.003880	0.011528
2260.3	0.007130	0.539710	0.003848	0.011433
2260.4	0.007080	0.539750	0.003821	0.011353
2260.5	0.007020	0.539790	0.003789	0.011258
2260.6	0.006960	0.539830	0.003757	0.011163
2260.7	0.006900	0.539870	0.003725	0.011067
2260.8	0.006830	0.539910	0.003688	0.010956
2260.9	0.006770	0.539950	0.003655	0.010860
2261.0	0.006700	0.539990	0.003618	0.010749
2261.1	0.006630	0.540031	0.003580	0.010637
2261.2	0.006560	0.540072	0.003543	0.010526
2261.3	0.006490	0.539537	0.003502	0.010403
2261.4	0.006410	0.539579	0.003459	0.010276
2261.5	0.006330	0.540196	0.003419	0.010159
2261.6	0.006250	0.540237	0.003376	0.010031
2261.7	0.006170	0.540278	0.003334	0.009904
2261.8	0.006080	0.540319	0.003285	0.009760
2261.9	0.006000	0.540360	0.003242	0.009632
2262.0	0.005900	0.540401	0.003188	0.009473
2262.1	0.005810	0.540436	0.003140	0.009329
2262.2	0.005710	0.540472	0.003086	0.009169
2262.3	0.005610	0.540508	0.003032	0.009009
2262.4	0.005510	0.540544	0.002978	0.008849
2262.5	0.005400	0.540580	0.002919	0.008673
2262.6	0.005290	0.540616	0.002860	0.008497
2262.7	0.005170	0.541228	0.002798	0.008313
2262.8	0.005050	0.541264	0.002733	0.008121
2262.9	0.004930	0.541300	0.002669	0.007928
2263.0	0.004800	0.541336	0.002598	0.007720
2263.1	0.004670	0.541972	0.002531	0.007520
2263.2	0.004540	0.542030	0.002461	0.007311
2263.3	0.004400	0.542089	0.002385	0.007086
2263.4	0.004250	0.542149	0.002304	0.006845
2263.5	0.004100	0.542784	0.002225	0.006612
2263.6	0.003950	0.542843	0.002144	0.006370
2263.7	0.003790	0.542902	0.002058	0.006113
2263.8	0.003630	0.542961	0.001971	0.005856
2263.9	0.003460	0.543020	0.001879	0.005582

2264.0	0.003290	0.543078	0.001787	0.005308
2264.1	0.003110	0.543188	0.001689	0.005019
2264.2	0.002920	0.543409	0.001587	0.004714
2264.3	0.002730	0.543295	0.001483	0.004407
2264.4	0.002540	0.543182	0.001380	0.004099
2264.5	0.002330	0.543068	0.001265	0.003759
2264.6	0.002130	0.542954	0.001156	0.003436
2264.7	0.001910	0.542841	0.001037	0.003080
2264.8	0.001700	0.542727	0.000923	0.002741
2264.9	0.001470	0.542613	0.000798	0.002370
2265.0	0.001240	0.542500	0.000673	0.001999
2265.1	0.001000	0.542402	0.000542	0.001611
2265.2	0.000756	0.542304	0.000410	0.001218
2265.3	0.000507	0.542205	0.000275	0.000817
2265.4	0.000254	0.542107	0.000138	0.000409
2265.5	0.000000	0.542009	0.000000	0.000000
Channel 16				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2207.1	0.000131	0.512436	0.000067	0.000203
2207.2	0.000260	0.512453	0.000133	0.000403
2207.3	0.000388	0.512470	0.000199	0.000601
2207.4	0.000514	0.512488	0.000263	0.000795
2207.5	0.000638	0.512505	0.000327	0.000987
2207.6	0.000760	0.512522	0.000390	0.001177
2207.7	0.000881	0.512539	0.000451	0.001364
2207.8	0.001000	0.512556	0.000513	0.001549
2207.9	0.001118	0.512573	0.000573	0.001731
2208.0	0.001234	0.512590	0.000632	0.001910
2208.1	0.001348	0.512718	0.000691	0.002088
2208.2	0.001461	0.512847	0.000749	0.002264
2208.3	0.001572	0.512975	0.000807	0.002437
2208.4	0.001683	0.513103	0.000863	0.002608
2208.5	0.001791	0.513232	0.000919	0.002777
2208.6	0.001898	0.513360	0.000975	0.002944
2208.7	0.002004	0.514037	0.001030	0.003113
2208.8	0.002109	0.514165	0.001084	0.003276
2208.9	0.002212	0.514294	0.001138	0.003437
2209.0	0.002314	0.514422	0.001190	0.003597
2209.1	0.002415	0.514591	0.001243	0.003754
2209.2	0.002514	0.515254	0.001295	0.003914

2209.3	0.002612	0.515460	0.001347	0.004069
2209.4	0.002710	0.515630	0.001397	0.004222
2209.5	0.002806	0.515799	0.001447	0.004373
2209.6	0.002901	0.515969	0.001497	0.004522
2209.7	0.002995	0.516138	0.001546	0.004670
2209.8	0.003087	0.516308	0.001594	0.004816
2209.9	0.003179	0.516477	0.001642	0.004961
2210.0	0.003270	0.516647	0.001689	0.005105
2210.1	0.003360	0.516657	0.001736	0.005245
2210.2	0.003449	0.516666	0.001782	0.005384
2210.3	0.003537	0.516676	0.001827	0.005521
2210.4	0.003624	0.516685	0.001873	0.005658
2210.5	0.003710	0.516206	0.001915	0.005787
2210.6	0.003796	0.516173	0.001959	0.005920
2210.7	0.003881	0.516183	0.002003	0.006052
2210.8	0.003965	0.516192	0.002046	0.006183
2210.9	0.004048	0.516202	0.002090	0.006313
2211.0	0.004130	0.516211	0.002132	0.006442
2211.1	0.004212	0.516278	0.002175	0.006571
2211.2	0.004294	0.516344	0.002217	0.006698
2211.3	0.004374	0.516410	0.002259	0.006825
2211.4	0.004454	0.516476	0.002301	0.006951
2211.5	0.004534	0.516542	0.002342	0.007076
2211.6	0.004613	0.516608	0.002383	0.007200
2211.7	0.004691	0.516674	0.002424	0.007324
2211.8	0.004769	0.516740	0.002465	0.007446
2211.9	0.004847	0.516807	0.002505	0.007568
2212.0	0.004924	0.517424	0.002548	0.007698
2212.1	0.005001	0.517554	0.002588	0.007820
2212.2	0.005077	0.517683	0.002628	0.007942
2212.3	0.005154	0.517813	0.002669	0.008063
2212.4	0.005229	0.517955	0.002709	0.008184
2212.5	0.005305	0.518196	0.002749	0.008306
2212.6	0.005380	0.518437	0.002789	0.008428
2212.7	0.005455	0.518679	0.002830	0.008549
2212.8	0.005530	0.519472	0.002873	0.008680
2212.9	0.005605	0.519690	0.002913	0.008801
2213.0	0.005680	0.519821	0.002952	0.008921
2213.1	0.005754	0.519909	0.002992	0.009039
2213.2	0.005829	0.519997	0.003031	0.009158
2213.3	0.005903	0.520085	0.003070	0.009276
2213.4	0.005978	0.519620	0.003106	0.009385
2213.5	0.006052	0.519708	0.003145	0.009504

2213.6	0.006127	0.520350	0.003188	0.009632
2213.7	0.006201	0.520439	0.003227	0.009751
2213.8	0.006276	0.520527	0.003267	0.009871
2213.9	0.006351	0.520615	0.003306	0.009990
2214.0	0.006426	0.520703	0.003346	0.010110
2214.1	0.006501	0.520917	0.003387	0.010232
2214.2	0.006577	0.521131	0.003427	0.010355
2214.3	0.006652	0.521345	0.003468	0.010479
2214.4	0.006728	0.521559	0.003509	0.010603
2214.5	0.006805	0.521773	0.003550	0.010727
2214.6	0.006881	0.521987	0.003592	0.010853
2214.7	0.006958	0.522201	0.003634	0.010979
2214.8	0.007036	0.522415	0.003676	0.011105
2214.9	0.007113	0.522629	0.003718	0.011233
2215.0	0.007192	0.522843	0.003760	0.011361
2215.1	0.007271	0.523023	0.003803	0.011489
2215.2	0.007350	0.523203	0.003845	0.011619
2215.3	0.007430	0.523383	0.003888	0.011749
2215.4	0.007510	0.523563	0.003932	0.011880
2215.5	0.007591	0.523742	0.003976	0.012012
2215.6	0.007672	0.523922	0.004020	0.012146
2215.7	0.007755	0.524660	0.004069	0.012293
2215.8	0.007838	0.524840	0.004114	0.012429
2215.9	0.007921	0.525020	0.004159	0.012566
2216.0	0.008006	0.525201	0.004205	0.012704
2216.1	0.008091	0.524977	0.004247	0.012833
2216.2	0.008177	0.524753	0.004291	0.012964
2216.3	0.008264	0.524530	0.004335	0.013096
2216.4	0.008351	0.524306	0.004379	0.013230
2216.5	0.008440	0.524083	0.004423	0.013364
2216.6	0.008529	0.523859	0.004468	0.013500
2216.7	0.008620	0.523635	0.004514	0.013637
2216.8	0.008711	0.523411	0.004559	0.013776
2216.9	0.008803	0.523187	0.004606	0.013916
2217.0	0.008897	0.522962	0.004653	0.014058
2217.1	0.008991	0.522779	0.004700	0.014202
2217.2	0.009087	0.522596	0.004749	0.014348
2217.3	0.009183	0.522412	0.004797	0.014495
2217.4	0.009281	0.522229	0.004847	0.014644
2217.5	0.009380	0.522045	0.004897	0.014795
2217.6	0.009480	0.521861	0.004947	0.014948
2217.7	0.009582	0.521677	0.004999	0.015103
2217.8	0.009684	0.521493	0.005050	0.015259

2217.9	0.009788	0.521309	0.005103	0.015417
2218.0	0.009893	0.521125	0.005156	0.015578
2218.1	0.010000	0.521326	0.005213	0.015752
2218.2	0.010108	0.521527	0.005272	0.015928
2218.3	0.010219	0.521728	0.005332	0.016109
2218.4	0.010335	0.521930	0.005394	0.016298
2218.5	0.010457	0.522131	0.005460	0.016497
2218.6	0.010586	0.522333	0.005529	0.016707
2218.7	0.010724	0.522534	0.005604	0.016931
2218.8	0.010873	0.522736	0.005684	0.017173
2218.9	0.011034	0.523493	0.005776	0.017452
2219.0	0.011209	0.523695	0.005870	0.017736
2219.1	0.011400	0.523910	0.005973	0.018046
2219.2	0.011607	0.524124	0.006084	0.018381
2219.3	0.011832	0.524339	0.006204	0.018745
2219.4	0.012078	0.524554	0.006336	0.019142
2219.5	0.012345	0.524768	0.006478	0.019574
2219.6	0.012635	0.524983	0.006633	0.020042
2219.7	0.012950	0.525198	0.006801	0.020550
2219.8	0.013290	0.525413	0.006983	0.021098
2219.9	0.013655	0.525628	0.007177	0.021686
2220.0	0.014043	0.525843	0.007384	0.022312
2220.1	0.014452	0.526146	0.007604	0.022975
2220.2	0.014881	0.526450	0.007834	0.023670
2220.3	0.015327	0.526754	0.008074	0.024394
2220.4	0.015790	0.527057	0.008322	0.025145
2220.5	0.016268	0.527361	0.008579	0.025921
2220.6	0.016758	0.527665	0.008843	0.026717
2220.7	0.017260	0.527970	0.009113	0.027534
2220.8	0.017772	0.528835	0.009398	0.028397
2220.9	0.018294	0.529140	0.009680	0.029248
2221.0	0.018828	0.529445	0.009968	0.030119
2221.1	0.019373	0.529705	0.010262	0.031006
2221.2	0.019930	0.529965	0.010562	0.031913
2221.3	0.020500	0.530225	0.010870	0.032842
2221.4	0.021083	0.530485	0.011184	0.033792
2221.5	0.021680	0.530745	0.011507	0.034766
2221.6	0.022293	0.531005	0.011838	0.035767
2221.7	0.022920	0.531266	0.012177	0.036791
2221.8	0.023563	0.531526	0.012524	0.037841
2221.9	0.024223	0.531787	0.012881	0.038921
2222.0	0.024900	0.532048	0.013248	0.040028
2222.1	0.025594	0.531950	0.013615	0.041136

2222.2	0.026305	0.531853	0.013990	0.042271
2222.3	0.027036	0.531755	0.014377	0.043438
2222.4	0.027785	0.531657	0.014772	0.044633
2222.5	0.028553	0.531559	0.015178	0.045858
2222.6	0.029341	0.532026	0.015610	0.047165
2222.7	0.030150	0.531928	0.016038	0.048457
2222.8	0.030980	0.531830	0.016476	0.049781
2222.9	0.031831	0.531732	0.016926	0.051139
2223.0	0.032707	0.531634	0.017388	0.052537
2223.1	0.033607	0.531518	0.017863	0.053971
2223.2	0.034534	0.531402	0.018351	0.055448
2223.3	0.035488	0.531286	0.018854	0.056967
2223.4	0.036472	0.531170	0.019373	0.058534
2223.5	0.037485	0.531054	0.019907	0.060146
2223.6	0.038531	0.530937	0.020458	0.061811
2223.7	0.039610	0.530821	0.021026	0.063528
2223.8	0.040724	0.530705	0.021612	0.065301
2223.9	0.041873	0.530589	0.022217	0.067128
2224.0	0.043061	0.530473	0.022843	0.069018
2224.1	0.044288	0.530543	0.023497	0.070994
2224.2	0.045556	0.530613	0.024173	0.073036
2224.3	0.046867	0.530683	0.024872	0.075148
2224.4	0.048222	0.530753	0.025594	0.077330
2224.5	0.049623	0.530823	0.026341	0.079588
2224.6	0.051072	0.530893	0.027114	0.081922
2224.7	0.052570	0.531526	0.027942	0.084426
2224.8	0.054119	0.531596	0.028769	0.086925
2224.9	0.055720	0.531666	0.029624	0.089508
2225.0	0.057375	0.531736	0.030508	0.092179
2225.1	0.059085	0.531801	0.031421	0.094938
2225.2	0.060852	0.531867	0.032365	0.097789
2225.3	0.062676	0.531933	0.033339	0.100733
2225.4	0.064560	0.531999	0.034346	0.103774
2225.5	0.066504	0.532064	0.035384	0.106912
2225.6	0.068510	0.532130	0.036456	0.110150
2225.7	0.070580	0.532196	0.037562	0.113492
2225.8	0.072715	0.532261	0.038703	0.116940
2225.9	0.074915	0.532327	0.039879	0.120493
2226.0	0.077184	0.532393	0.041092	0.124157
2226.1	0.079521	0.532536	0.042348	0.127951
2226.2	0.081928	0.532680	0.043641	0.131860
2226.3	0.084406	0.532824	0.044974	0.135884
2226.4	0.086958	0.532967	0.046346	0.140031

2226.5	0.089583	0.533111	0.047758	0.144297
2226.6	0.092283	0.533255	0.049210	0.148686
2226.7	0.095060	0.533399	0.050705	0.153201
2226.8	0.097915	0.533543	0.052242	0.157845
2226.9	0.100850	0.533686	0.053822	0.162620
2227.0	0.103860	0.533830	0.055444	0.167519
2227.1	0.106960	0.533967	0.057113	0.172564
2227.2	0.110130	0.534104	0.058821	0.177723
2227.3	0.113390	0.534241	0.060578	0.183031
2227.4	0.116730	0.534378	0.062378	0.188471
2227.5	0.120150	0.534515	0.064222	0.194043
2227.6	0.123660	0.534086	0.066045	0.199551
2227.7	0.127260	0.534223	0.067985	0.205413
2227.8	0.130940	0.534360	0.069969	0.211407
2227.9	0.134710	0.534496	0.072002	0.217549
2228.0	0.138570	0.534633	0.074084	0.223840
2228.1	0.142510	0.534508	0.076173	0.230151
2228.2	0.146540	0.534384	0.078309	0.236604
2228.3	0.150650	0.534259	0.080486	0.243183
2228.4	0.154850	0.534134	0.082711	0.249905
2228.5	0.159130	0.534008	0.084977	0.256752
2228.6	0.163500	0.533883	0.087290	0.263741
2228.7	0.167950	0.533758	0.089645	0.270855
2228.8	0.172490	0.533633	0.092046	0.278112
2228.9	0.177110	0.533508	0.094490	0.285494
2229.0	0.181800	0.533382	0.096969	0.292985
2229.1	0.186580	0.533250	0.099494	0.300614
2229.2	0.191440	0.533118	0.102060	0.308368
2229.3	0.196370	0.532985	0.104662	0.316230
2229.4	0.201370	0.532853	0.107301	0.324202
2229.5	0.206450	0.532720	0.109980	0.332298
2229.6	0.211600	0.532588	0.112696	0.340502
2229.7	0.216810	0.532455	0.115442	0.348799
2229.8	0.222090	0.532323	0.118224	0.357205
2229.9	0.227430	0.532190	0.121036	0.365702
2230.0	0.232840	0.532058	0.123884	0.374308
2230.1	0.238300	0.532213	0.126826	0.383197
2230.2	0.243810	0.532368	0.129797	0.392172
2230.3	0.249380	0.532523	0.132801	0.401248
2230.4	0.254990	0.532678	0.135827	0.410394
2230.5	0.260650	0.532832	0.138883	0.419625
2230.6	0.266340	0.532987	0.141956	0.428910
2230.7	0.272080	0.533142	0.145057	0.438281

2230.8	0.277850	0.533298	0.148177	0.447706
2230.9	0.283650	0.533453	0.151314	0.457185
2231.0	0.289480	0.533608	0.154469	0.466717
2231.1	0.295330	0.533749	0.157632	0.476275
2231.2	0.301190	0.533889	0.160802	0.485853
2231.3	0.307070	0.534030	0.163985	0.495469
2231.4	0.312960	0.534171	0.167174	0.505105
2231.5	0.318850	0.534312	0.170365	0.514747
2231.6	0.324740	0.533886	0.173374	0.523838
2231.7	0.330620	0.534026	0.176560	0.533464
2231.8	0.336490	0.534167	0.179742	0.543078
2231.9	0.342350	0.534308	0.182920	0.552681
2232.0	0.348190	0.534448	0.186090	0.562257
2232.1	0.354010	0.535127	0.189440	0.572382
2232.2	0.359800	0.535239	0.192579	0.581865
2232.3	0.365560	0.535350	0.195703	0.591303
2232.4	0.371280	0.534895	0.198596	0.600044
2232.5	0.376960	0.535006	0.201676	0.609350
2232.6	0.382600	0.535117	0.204736	0.618596
2232.7	0.388180	0.535229	0.207765	0.627749
2232.8	0.393710	0.535341	0.210769	0.636824
2232.9	0.399180	0.535452	0.213742	0.645807
2233.0	0.404590	0.535564	0.216684	0.654696
2233.1	0.409940	0.535674	0.219594	0.663490
2233.2	0.415220	0.535785	0.222468	0.672174
2233.3	0.420430	0.535895	0.225306	0.680748
2233.4	0.425570	0.536005	0.228108	0.689212
2233.5	0.430630	0.536115	0.230867	0.697551
2233.6	0.435620	0.536226	0.233591	0.705779
2233.7	0.440520	0.536336	0.236267	0.713864
2233.8	0.445340	0.536446	0.238901	0.721824
2233.9	0.450070	0.536557	0.241488	0.729640
2234.0	0.454720	0.536667	0.244033	0.737330
2234.1	0.459270	0.536584	0.246437	0.744594
2234.2	0.463740	0.536502	0.248797	0.751725
2234.3	0.468120	0.536419	0.251108	0.758708
2234.4	0.472400	0.536336	0.253365	0.765526
2234.5	0.476590	0.536253	0.255573	0.772197
2234.6	0.480690	0.536170	0.257732	0.778719
2234.7	0.484690	0.536087	0.259836	0.785078
2234.8	0.488590	0.536004	0.261886	0.791272
2234.9	0.492400	0.535922	0.263888	0.797319
2235.0	0.496110	0.535839	0.265835	0.803203

2235.1	0.499720	0.535767	0.267734	0.808940
2235.2	0.503230	0.535696	0.269578	0.814513
2235.3	0.506640	0.535625	0.271369	0.819923
2235.4	0.509950	0.535553	0.273105	0.825170
2235.5	0.513150	0.535482	0.274783	0.830237
2235.6	0.516260	0.535410	0.276411	0.835158
2235.7	0.519270	0.535339	0.277985	0.839915
2235.8	0.522180	0.535267	0.279506	0.844509
2235.9	0.524980	0.535196	0.280967	0.848924
2236.0	0.527680	0.535124	0.282374	0.853176
2236.1	0.530290	0.535032	0.283722	0.857247
2236.2	0.532790	0.534939	0.285010	0.861139
2236.3	0.535200	0.534846	0.286250	0.864884
2236.4	0.537510	0.534753	0.287435	0.868465
2236.5	0.539730	0.534092	0.288266	0.870976
2236.6	0.541840	0.533999	0.289342	0.874229
2236.7	0.543870	0.533907	0.290376	0.877351
2236.8	0.545800	0.533814	0.291356	0.880312
2236.9	0.547640	0.533721	0.292287	0.883126
2237.0	0.549380	0.533628	0.293165	0.885777
2237.1	0.551040	0.533554	0.294010	0.888331
2237.2	0.552600	0.533480	0.294801	0.890722
2237.3	0.554070	0.533406	0.295544	0.892967
2237.4	0.555440	0.533332	0.296234	0.895051
2237.5	0.556730	0.533258	0.296881	0.897005
2237.6	0.557930	0.533183	0.297479	0.898813
2237.7	0.559030	0.533109	0.298024	0.900460
2237.8	0.560040	0.533035	0.298521	0.901961
2237.9	0.560970	0.532960	0.298975	0.903332
2238.0	0.561810	0.532886	0.299381	0.904559
2238.1	0.562550	0.533004	0.299841	0.905950
2238.2	0.563220	0.533121	0.300265	0.907230
2238.3	0.563790	0.533239	0.300635	0.908348
2238.4	0.564280	0.533357	0.300962	0.909338
2238.5	0.564680	0.533474	0.301242	0.910184
2238.6	0.565000	0.533592	0.301480	0.910901
2238.7	0.565240	0.533710	0.301674	0.911489
2238.8	0.565390	0.533828	0.301821	0.911932
2238.9	0.565470	0.533945	0.301930	0.912262
2239.0	0.565460	0.534063	0.301991	0.912447
2239.1	0.565370	0.534154	0.301995	0.912457
2239.2	0.565200	0.534246	0.301956	0.912339
2239.3	0.564960	0.534337	0.301879	0.912108

2239.4	0.564640	0.534429	0.301760	0.911748
2239.5	0.564240	0.534520	0.301598	0.911258
2239.6	0.563770	0.534612	0.301398	0.910654
2239.7	0.563230	0.534703	0.301161	0.909938
2239.8	0.562620	0.534795	0.300886	0.909108
2239.9	0.561930	0.534886	0.300569	0.908148
2240.0	0.561180	0.534978	0.300219	0.907091
2240.1	0.560360	0.534992	0.299788	0.905790
2240.2	0.559480	0.535006	0.299325	0.904391
2240.3	0.558540	0.535020	0.298830	0.902895
2240.4	0.557540	0.535034	0.298303	0.901302
2240.5	0.556490	0.535048	0.297749	0.899628
2240.6	0.555370	0.535062	0.297157	0.897841
2240.7	0.554210	0.535076	0.296544	0.895989
2240.8	0.553000	0.535090	0.295905	0.894056
2240.9	0.551730	0.535104	0.295233	0.892026
2241.0	0.550420	0.535118	0.294540	0.889932
2241.1	0.549070	0.535165	0.293843	0.887827
2241.2	0.547680	0.535212	0.293125	0.885658
2241.3	0.546250	0.535259	0.292385	0.883423
2241.4	0.544780	0.535306	0.291624	0.881123
2241.5	0.543280	0.535354	0.290847	0.878775
2241.6	0.541740	0.535401	0.290048	0.876361
2241.7	0.540180	0.535448	0.289238	0.873915
2241.8	0.538590	0.535496	0.288413	0.871420
2241.9	0.536980	0.535543	0.287576	0.868891
2242.0	0.535350	0.535590	0.286728	0.866331
2242.1	0.533700	0.535789	0.285950	0.863980
2242.2	0.532030	0.535987	0.285161	0.861596
2242.3	0.530360	0.536186	0.284371	0.859209
2242.4	0.528690	0.536384	0.283581	0.856821
2242.5	0.527000	0.536583	0.282779	0.854398
2242.6	0.525330	0.536779	0.281986	0.852002
2242.7	0.523650	0.536974	0.281186	0.849586
2242.8	0.521980	0.537169	0.280392	0.847185
2242.9	0.520330	0.537365	0.279607	0.844814
2243.0	0.518680	0.537560	0.278822	0.842441
2243.1	0.517050	0.537771	0.278054	0.840123
2243.2	0.515450	0.537411	0.277008	0.836962
2243.3	0.513860	0.537621	0.276262	0.834708
2243.4	0.512300	0.537832	0.275532	0.832500
2243.5	0.510770	0.538043	0.274816	0.830340
2243.6	0.509270	0.538255	0.274117	0.828226

2243.7	0.507800	0.538466	0.273433	0.826160
2243.8	0.506370	0.538677	0.272770	0.824156
2243.9	0.504980	0.538888	0.272128	0.822216
2244.0	0.503630	0.539099	0.271507	0.820339
2244.1	0.502330	0.539363	0.270938	0.818622
2244.2	0.501080	0.539627	0.270397	0.816985
2244.3	0.499880	0.539891	0.269881	0.815427
2244.4	0.498750	0.540156	0.269403	0.813982
2244.5	0.497670	0.540420	0.268951	0.812617
2244.6	0.496650	0.540684	0.268531	0.811348
2244.7	0.495700	0.540948	0.268148	0.810192
2244.8	0.494820	0.541213	0.267803	0.809149
2244.9	0.494010	0.541477	0.267495	0.808219
2245.0	0.493290	0.541741	0.267236	0.807435
2245.1	0.492640	0.541951	0.266987	0.806683
2245.2	0.492070	0.542161	0.266781	0.806062
2245.3	0.491580	0.542371	0.266619	0.805571
2245.4	0.491190	0.542581	0.266510	0.805243
2245.5	0.490890	0.542214	0.266167	0.804207
2245.6	0.490680	0.542423	0.266156	0.804174
2245.7	0.490570	0.542633	0.266200	0.804304
2245.8	0.490560	0.542843	0.266297	0.804599
2245.9	0.490650	0.543052	0.266449	0.805057
2246.0	0.490850	0.543262	0.266660	0.805696
2246.1	0.491160	0.543189	0.266793	0.806097
2246.2	0.491580	0.543116	0.266985	0.806678
2246.3	0.492110	0.543043	0.267237	0.807439
2246.4	0.492760	0.542971	0.267554	0.808397
2246.5	0.493530	0.542897	0.267936	0.809552
2246.6	0.494420	0.542824	0.268383	0.810902
2246.7	0.495430	0.542751	0.268895	0.812449
2246.8	0.496570	0.542678	0.269478	0.814209
2246.9	0.497830	0.542605	0.270125	0.816165
2247.0	0.499230	0.542532	0.270848	0.818350
2247.1	0.500750	0.542454	0.271634	0.820724
2247.2	0.502400	0.542376	0.272490	0.823310
2247.3	0.504180	0.542298	0.273416	0.826108
2247.4	0.506080	0.542221	0.274407	0.829103
2247.5	0.508120	0.542143	0.275474	0.832325
2247.6	0.510290	0.542065	0.276610	0.835759
2247.7	0.512590	0.541987	0.277817	0.839406
2247.8	0.515020	0.541909	0.279094	0.843264
2247.9	0.517570	0.541831	0.280435	0.847317

2248.0	0.520250	0.541753	0.281847	0.851582
2248.1	0.523040	0.541758	0.283361	0.856157
2248.2	0.525940	0.541764	0.284935	0.860913
2248.3	0.528940	0.541769	0.286563	0.865832
2248.4	0.532050	0.541774	0.288251	0.870930
2248.5	0.535240	0.541202	0.289673	0.875228
2248.6	0.538530	0.541208	0.291457	0.880617
2248.7	0.541890	0.541213	0.293278	0.886120
2248.8	0.545330	0.541218	0.295143	0.891754
2248.9	0.548830	0.541224	0.297040	0.897486
2249.0	0.552380	0.541229	0.298964	0.903300
2249.1	0.555960	0.541223	0.300898	0.909145
2249.2	0.559570	0.541217	0.302849	0.915038
2249.3	0.563170	0.541211	0.304794	0.920915
2249.4	0.566770	0.541205	0.306739	0.926792
2249.5	0.570340	0.541199	0.308668	0.932619
2249.6	0.573870	0.541194	0.310575	0.938381
2249.7	0.577350	0.541188	0.312455	0.944062
2249.8	0.580760	0.541182	0.314297	0.949627
2249.9	0.584080	0.541176	0.316090	0.955045
2250.0	0.587290	0.541170	0.317824	0.960283
2250.1	0.590380	0.541302	0.319574	0.965571
2250.2	0.593310	0.541434	0.321238	0.970600
2250.3	0.596060	0.541566	0.322806	0.975336
2250.4	0.598630	0.541698	0.324276	0.979780
2250.5	0.600980	0.541830	0.325629	0.983866
2250.6	0.603100	0.541962	0.326857	0.987577
2250.7	0.604960	0.542094	0.327945	0.990864
2250.8	0.606550	0.542226	0.328887	0.993710
2250.9	0.607840	0.542358	0.329667	0.996066
2251.0	0.608820	0.542489	0.330278	0.997914
2251.1	0.609470	0.542600	0.330698	0.999183
2251.2	0.609780	0.542710	0.330934	0.999895
2251.3	0.609720	0.542821	0.330969	1.000000
2251.4	0.609280	0.542931	0.330797	0.999482
2251.5	0.608450	0.543042	0.330414	0.998323
2251.6	0.607190	0.543152	0.329796	0.996458
2251.7	0.605510	0.543262	0.328951	0.993903
2251.8	0.603380	0.543373	0.327860	0.990608
2251.9	0.600790	0.542904	0.326171	0.985505
2252.0	0.597760	0.543014	0.324592	0.980733
2252.1	0.594270	0.542854	0.322602	0.974721
2252.2	0.590330	0.542695	0.320369	0.967975

2252.3	0.585930	0.542536	0.317888	0.960478
2252.4	0.581080	0.542377	0.315164	0.952248
2252.5	0.575760	0.542217	0.312187	0.943253
2252.6	0.570000	0.542058	0.308973	0.933542
2252.7	0.563770	0.541899	0.305506	0.923068
2252.8	0.557090	0.541740	0.301798	0.911863
2252.9	0.549960	0.541581	0.297848	0.899927
2253.0	0.542410	0.541422	0.293673	0.887312
2253.1	0.534460	0.541277	0.289291	0.874074
2253.2	0.526120	0.541133	0.284701	0.860204
2253.3	0.517410	0.540988	0.279913	0.845737
2253.4	0.508350	0.540843	0.274938	0.830706
2253.5	0.498960	0.540698	0.269787	0.815143
2253.6	0.489250	0.540554	0.264466	0.799066
2253.7	0.479240	0.540986	0.259262	0.783343
2253.8	0.468960	0.540841	0.253633	0.766335
2253.9	0.458420	0.540696	0.247866	0.748911
2254.0	0.447670	0.540552	0.241989	0.731153
2254.1	0.436710	0.540502	0.236043	0.713187
2254.2	0.425600	0.540453	0.230017	0.694980
2254.3	0.414340	0.540403	0.223911	0.676531
2254.4	0.402970	0.540354	0.217746	0.657906
2254.5	0.391520	0.540304	0.211540	0.639154
2254.6	0.380020	0.540255	0.205308	0.620324
2254.7	0.368490	0.540206	0.199060	0.601448
2254.8	0.356960	0.540156	0.192814	0.582575
2254.9	0.345460	0.540107	0.186585	0.563755
2255.0	0.334000	0.540057	0.180379	0.545003
2255.1	0.322620	0.540020	0.174221	0.526398
2255.2	0.311320	0.539983	0.168107	0.507926
2255.3	0.300150	0.539946	0.162065	0.489668
2255.4	0.289110	0.539908	0.156093	0.471625
2255.5	0.278230	0.539871	0.150208	0.453845
2255.6	0.267540	0.539834	0.144427	0.436377
2255.7	0.257060	0.539797	0.138760	0.419255
2255.8	0.246800	0.539760	0.133213	0.402493
2255.9	0.236790	0.539722	0.127801	0.386142
2256.0	0.227010	0.539685	0.122514	0.370168
2256.1	0.217490	0.539834	0.117408	0.354742
2256.2	0.208230	0.539982	0.112440	0.339731
2256.3	0.199240	0.540131	0.107616	0.325154
2256.4	0.190530	0.540279	0.102939	0.311025
2256.5	0.182090	0.540428	0.098407	0.297329

2256.6	0.173950	0.540839	0.094079	0.284253
2256.7	0.166110	0.541282	0.089912	0.271664
2256.8	0.158570	0.541431	0.085855	0.259404
2256.9	0.151330	0.541580	0.081957	0.247628
2257.0	0.144390	0.541728	0.078220	0.236337
2257.1	0.137740	0.541855	0.074635	0.225505
2257.2	0.131370	0.541982	0.071200	0.215127
2257.3	0.125280	0.542109	0.067915	0.205202
2257.4	0.119460	0.542235	0.064775	0.195715
2257.5	0.113910	0.542362	0.061780	0.186666
2257.6	0.108630	0.542489	0.058931	0.178055
2257.7	0.103600	0.542615	0.056215	0.169850
2257.8	0.098822	0.542742	0.053635	0.162054
2257.9	0.094287	0.542868	0.051185	0.154653
2258.0	0.089986	0.542995	0.048862	0.147633
2258.1	0.085908	0.542868	0.046637	0.140910
2258.2	0.082046	0.542742	0.044530	0.134544
2258.3	0.078389	0.542615	0.042535	0.128517
2258.4	0.074930	0.542489	0.040649	0.122817
2258.5	0.071658	0.542362	0.038865	0.117427
2258.6	0.068564	0.542236	0.037178	0.112330
2258.7	0.065640	0.542109	0.035584	0.107515
2258.8	0.062876	0.541982	0.034078	0.102963
2258.9	0.060265	0.541856	0.032655	0.098665
2259.0	0.057798	0.541729	0.031311	0.094604
2259.1	0.055467	0.541572	0.030039	0.090762
2259.2	0.053264	0.541416	0.028838	0.087132
2259.3	0.051182	0.541260	0.027703	0.083702
2259.4	0.049213	0.540527	0.026601	0.080373
2259.5	0.047348	0.540370	0.025585	0.077305
2259.6	0.045580	0.540214	0.024623	0.074397
2259.7	0.043900	0.540058	0.023709	0.071634
2259.8	0.042302	0.539902	0.022839	0.069006
2259.9	0.040780	0.539746	0.022011	0.066504
2260.0	0.039331	0.539589	0.021223	0.064123
2260.1	0.037950	0.539630	0.020479	0.061876
2260.2	0.036634	0.539670	0.019770	0.059735
2260.3	0.035379	0.539710	0.019094	0.057692
2260.4	0.034179	0.539750	0.018448	0.055740
2260.5	0.033033	0.539790	0.017831	0.053875
2260.6	0.031934	0.539830	0.017239	0.052086
2260.7	0.030880	0.539870	0.016671	0.050371
2260.8	0.029866	0.539910	0.016125	0.048721

2260.9	0.028892	0.539950	0.015600	0.047135
2261.0	0.027954	0.539990	0.015095	0.045608
2261.1	0.027051	0.540031	0.014608	0.044138
2261.2	0.026183	0.540072	0.014141	0.042725
2261.3	0.025346	0.539537	0.013675	0.041318
2261.4	0.024540	0.539579	0.013241	0.040008
2261.5	0.023763	0.540196	0.012837	0.038785
2261.6	0.023014	0.540237	0.012433	0.037566
2261.7	0.022290	0.540278	0.012043	0.036387
2261.8	0.021590	0.540319	0.011665	0.035246
2261.9	0.020914	0.540360	0.011301	0.034145
2262.0	0.020261	0.540401	0.010949	0.033082
2262.1	0.019631	0.540436	0.010609	0.032055
2262.2	0.019022	0.540472	0.010281	0.031063
2262.3	0.018435	0.540508	0.009964	0.030106
2262.4	0.017869	0.540544	0.009659	0.029184
2262.5	0.017323	0.540580	0.009364	0.028294
2262.6	0.016797	0.540616	0.009081	0.027437
2262.7	0.016290	0.541228	0.008817	0.026639
2262.8	0.015802	0.541264	0.008553	0.025842
2262.9	0.015332	0.541300	0.008299	0.025076
2263.0	0.014879	0.541336	0.008055	0.024336
2263.1	0.014443	0.541972	0.007828	0.023651
2263.2	0.014023	0.542030	0.007601	0.022966
2263.3	0.013618	0.542089	0.007382	0.022305
2263.4	0.013228	0.542149	0.007172	0.021668
2263.5	0.012853	0.542784	0.006976	0.021079
2263.6	0.012490	0.542843	0.006780	0.020486
2263.7	0.012141	0.542902	0.006591	0.019915
2263.8	0.011804	0.542961	0.006409	0.019365
2263.9	0.011478	0.543020	0.006233	0.018832
2264.0	0.011163	0.543078	0.006062	0.018317
2264.1	0.010859	0.543188	0.005898	0.017822
2264.2	0.010564	0.543409	0.005741	0.017345
2264.3	0.010278	0.543295	0.005584	0.016872
2264.4	0.010000	0.543182	0.005432	0.016412
2264.5	0.009730	0.543068	0.005284	0.015965
2264.6	0.009467	0.542954	0.005140	0.015531
2264.7	0.009212	0.542841	0.005001	0.015109
2264.8	0.008964	0.542727	0.004865	0.014699
2264.9	0.008723	0.542613	0.004733	0.014301
2265.0	0.008489	0.542500	0.004605	0.013915
2265.1	0.008262	0.542402	0.004481	0.013540

2265.2	0.008042	0.542304	0.004361	0.013176
2265.3	0.007828	0.542205	0.004244	0.012824
2265.4	0.007620	0.542107	0.004131	0.012482
2265.5	0.007420	0.542009	0.004021	0.012151
2265.6	0.007225	0.541911	0.003915	0.011830
2265.7	0.007036	0.541813	0.003812	0.011518
2265.8	0.006853	0.541715	0.003713	0.011217
2265.9	0.006677	0.541617	0.003616	0.010926
2266.0	0.006505	0.541520	0.003523	0.010644
2266.1	0.006340	0.541500	0.003433	0.010372
2266.2	0.006180	0.541481	0.003346	0.010110
2266.3	0.006025	0.541461	0.003262	0.009856
2266.4	0.005875	0.541442	0.003181	0.009611
2266.5	0.005730	0.541998	0.003106	0.009384
2266.6	0.005591	0.541979	0.003030	0.009155
2266.7	0.005456	0.541960	0.002957	0.008934
2266.8	0.005326	0.541941	0.002886	0.008721
2266.9	0.005200	0.541921	0.002818	0.008515
2267.0	0.005079	0.541902	0.002752	0.008316
2267.1	0.004962	0.541905	0.002689	0.008125
2267.2	0.004849	0.541908	0.002628	0.007940
2267.3	0.004741	0.541911	0.002569	0.007762
2267.4	0.004636	0.541914	0.002512	0.007591
2267.5	0.004535	0.541917	0.002458	0.007426
2267.6	0.004438	0.541920	0.002405	0.007266
2267.7	0.004344	0.541923	0.002354	0.007113
2267.8	0.004254	0.541923	0.002305	0.006965
2267.9	0.004167	0.541920	0.002258	0.006822
2268.0	0.004083	0.541918	0.002212	0.006685
2268.1	0.004002	0.542737	0.002172	0.006562
2268.2	0.003924	0.542981	0.002131	0.006437
2268.3	0.003849	0.543225	0.002091	0.006317
2268.4	0.003776	0.543469	0.002052	0.006201
2268.5	0.003706	0.543713	0.002015	0.006088
2268.6	0.003638	0.543957	0.001979	0.005980
2268.7	0.003573	0.544202	0.001944	0.005875
2268.8	0.003510	0.545023	0.001913	0.005780
2268.9	0.003449	0.545268	0.001880	0.005681
2269.0	0.003389	0.545512	0.001849	0.005586
2269.1	0.003331	0.545791	0.001818	0.005494
2269.2	0.003276	0.546071	0.001789	0.005404
2269.3	0.003221	0.546350	0.001760	0.005317
2269.4	0.003168	0.546629	0.001732	0.005232

2269.5	0.003116	0.546909	0.001704	0.005149
2269.6	0.003065	0.547188	0.001677	0.005068
2269.7	0.003015	0.547467	0.001651	0.004988
2269.8	0.002966	0.547747	0.001625	0.004909
2269.9	0.002918	0.548026	0.001599	0.004832
2270.0	0.002871	0.548306	0.001574	0.004756
2270.1	0.002824	0.548424	0.001548	0.004679
2270.2	0.002777	0.548543	0.001523	0.004602
2270.3	0.002730	0.549243	0.001500	0.004531
2270.4	0.002684	0.549361	0.001474	0.004455
2270.5	0.002637	0.549480	0.001449	0.004378
2270.6	0.002591	0.549598	0.001424	0.004302
2270.7	0.002544	0.549717	0.001398	0.004225
2270.8	0.002496	0.549835	0.001373	0.004147
2270.9	0.002449	0.549954	0.001347	0.004069
2271.0	0.002400	0.550072	0.001320	0.003989
2271.1	0.002351	0.550175	0.001293	0.003907
2271.2	0.002300	0.550278	0.001266	0.003825
2271.3	0.002249	0.550381	0.001238	0.003740
2271.4	0.002197	0.550483	0.001209	0.003653
2271.5	0.002143	0.550586	0.001180	0.003565
2271.6	0.002087	0.550689	0.001150	0.003473
2271.7	0.002031	0.550791	0.001118	0.003379
2271.8	0.001972	0.550894	0.001086	0.003283
2271.9	0.001912	0.550997	0.001053	0.003183
2272.0	0.001850	0.551100	0.001019	0.003080
2272.1	0.001785	0.551043	0.000984	0.002972
2272.2	0.001719	0.550985	0.000947	0.002861
2272.3	0.001650	0.550928	0.000909	0.002746
2272.4	0.001579	0.550870	0.000870	0.002627
2272.5	0.001505	0.550813	0.000829	0.002504
2272.6	0.001428	0.550755	0.000787	0.002376
2272.7	0.001349	0.550698	0.000743	0.002244
2272.8	0.001266	0.550640	0.000697	0.002107
2272.9	0.001181	0.550583	0.000650	0.001964
2273.0	0.001092	0.550525	0.000601	0.001816
2273.1	0.001000	0.550442	0.000550	0.001663
2273.2	0.000904	0.550358	0.000498	0.001504
2273.3	0.000805	0.550275	0.000443	0.001339
2273.4	0.000703	0.550191	0.000387	0.001168
2273.5	0.000596	0.550108	0.000328	0.000990
2273.6	0.000485	0.550024	0.000267	0.000806
2273.7	0.000370	0.549941	0.000204	0.000615

2273.8	0.000251	0.549857	0.000138	0.000417
2273.9	0.000128	0.549774	0.000070	0.000212
2274.0	0.000000	0.549690	0.000000	0.000000
Channel 17				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2361.9	0.001000	0.569504	0.000570	0.001499
2362.0	0.001000	0.569766	0.000570	0.001499
2362.1	0.001000	0.569340	0.000569	0.001498
2362.2	0.001000	0.568915	0.000569	0.001497
2362.3	0.001000	0.568489	0.000568	0.001496
2362.4	0.001000	0.568064	0.000568	0.001495
2362.5	0.001000	0.567638	0.000568	0.001494
2362.6	0.001000	0.567213	0.000567	0.001493
2362.7	0.001000	0.566787	0.000567	0.001492
2362.8	0.001000	0.566362	0.000566	0.001490
2362.9	0.002000	0.565936	0.001132	0.002979
2363.0	0.003000	0.565510	0.001697	0.004465
2363.1	0.003000	0.565078	0.001695	0.004461
2363.2	0.003000	0.564645	0.001694	0.004458
2363.3	0.004000	0.564213	0.002257	0.005939
2363.4	0.004000	0.563780	0.002255	0.005935
2363.5	0.004000	0.563347	0.002253	0.005930
2363.6	0.004000	0.562914	0.002252	0.005926
2363.7	0.004000	0.562482	0.002250	0.005921
2363.8	0.004000	0.562049	0.002248	0.005916
2363.9	0.004000	0.561616	0.002246	0.005912
2364.0	0.004000	0.561183	0.002245	0.005907
2364.1	0.004000	0.561163	0.002245	0.005907
2364.2	0.004000	0.561144	0.002245	0.005907
2364.3	0.005000	0.561125	0.002806	0.007383
2364.4	0.005000	0.561106	0.002806	0.007383
2364.5	0.004000	0.561086	0.002244	0.005906
2364.6	0.004000	0.561067	0.002244	0.005906
2364.7	0.004000	0.561047	0.002244	0.005906
2364.8	0.005000	0.561028	0.002805	0.007382
2364.9	0.005000	0.561009	0.002805	0.007382
2365.0	0.006000	0.560989	0.003366	0.008858
2365.1	0.007000	0.560946	0.003927	0.010334
2365.2	0.007000	0.560919	0.003926	0.010333
2365.3	0.007000	0.560982	0.003927	0.010334

2365.4	0.006000	0.561044	0.003366	0.008859
2365.5	0.005000	0.561107	0.002806	0.007383
2365.6	0.005000	0.561169	0.002806	0.007384
2365.7	0.004000	0.561232	0.002245	0.005908
2365.8	0.004000	0.561235	0.002245	0.005908
2365.9	0.004000	0.561192	0.002245	0.005907
2366.0	0.005000	0.561149	0.002806	0.007384
2366.1	0.005000	0.561305	0.002807	0.007386
2366.2	0.006000	0.561461	0.003369	0.008865
2366.3	0.006000	0.561388	0.003368	0.008864
2366.4	0.007000	0.561200	0.003928	0.010338
2366.5	0.007000	0.561356	0.003929	0.010341
2366.6	0.008000	0.561511	0.004492	0.011822
2366.7	0.008000	0.561667	0.004493	0.011825
2366.8	0.008000	0.561822	0.004495	0.011828
2366.9	0.008000	0.561978	0.004496	0.011831
2367.0	0.008000	0.562133	0.004497	0.011835
2367.1	0.008000	0.562290	0.004498	0.011838
2367.2	0.008000	0.562448	0.004500	0.011841
2367.3	0.008000	0.562606	0.004501	0.011845
2367.4	0.008000	0.562763	0.004502	0.011848
2367.5	0.008000	0.562921	0.004503	0.011851
2367.6	0.007000	0.563078	0.003942	0.010373
2367.7	0.007000	0.563235	0.003943	0.010376
2367.8	0.006000	0.563392	0.003380	0.008896
2367.9	0.006000	0.563549	0.003381	0.008898
2368.0	0.007000	0.563706	0.003946	0.010384
2368.1	0.007000	0.563618	0.003945	0.010383
2368.2	0.005000	0.563392	0.002817	0.007413
2368.3	0.004000	0.563523	0.002254	0.005932
2368.4	0.004000	0.563653	0.002255	0.005933
2368.5	0.004000	0.563783	0.002255	0.005935
2368.6	0.004000	0.563914	0.002256	0.005936
2368.7	0.004000	0.564044	0.002256	0.005937
2368.8	0.004000	0.564174	0.002257	0.005939
2368.9	0.004000	0.564305	0.002257	0.005940
2369.0	0.004000	0.564435	0.002258	0.005942
2369.1	0.004000	0.564553	0.002258	0.005943
2369.2	0.004000	0.564670	0.002259	0.005944
2369.3	0.004000	0.564788	0.002259	0.005945
2369.4	0.004000	0.564905	0.002260	0.005947
2369.5	0.004000	0.565023	0.002260	0.005948
2369.6	0.004000	0.565140	0.002261	0.005949

2369.7	0.004000	0.565257	0.002261	0.005950
2369.8	0.005000	0.565375	0.002827	0.007439
2369.9	0.005000	0.565492	0.002827	0.007441
2370.0	0.005000	0.565609	0.002828	0.007442
2370.1	0.005000	0.565263	0.002826	0.007438
2370.2	0.005000	0.564916	0.002825	0.007433
2370.3	0.004000	0.564570	0.002258	0.005943
2370.4	0.004000	0.564223	0.002257	0.005939
2370.5	0.004000	0.563877	0.002256	0.005936
2370.6	0.004000	0.563531	0.002254	0.005932
2370.7	0.004000	0.563185	0.002253	0.005928
2370.8	0.004000	0.562839	0.002251	0.005925
2370.9	0.004000	0.562493	0.002250	0.005921
2371.0	0.004000	0.562148	0.002249	0.005918
2371.1	0.004000	0.561800	0.002247	0.005914
2371.2	0.004000	0.561451	0.002246	0.005910
2371.3	0.004000	0.561103	0.002244	0.005907
2371.4	0.004000	0.560804	0.002243	0.005903
2371.5	0.004000	0.560561	0.002242	0.005901
2371.6	0.004000	0.560318	0.002241	0.005898
2371.7	0.004000	0.560076	0.002240	0.005896
2371.8	0.004000	0.559833	0.002239	0.005893
2371.9	0.004000	0.559590	0.002238	0.005891
2372.0	0.004000	0.559259	0.002237	0.005887
2372.1	0.003000	0.559111	0.001677	0.004414
2372.2	0.003000	0.558963	0.001677	0.004413
2372.3	0.004000	0.558815	0.002235	0.005882
2372.4	0.004000	0.558668	0.002235	0.005881
2372.5	0.004000	0.558520	0.002234	0.005879
2372.6	0.004000	0.558372	0.002233	0.005878
2372.7	0.004000	0.558224	0.002233	0.005876
2372.8	0.004000	0.558076	0.002232	0.005875
2372.9	0.004000	0.557929	0.002232	0.005873
2373.0	0.004000	0.557781	0.002231	0.005872
2373.1	0.004000	0.557641	0.002231	0.005870
2373.2	0.004000	0.557500	0.002230	0.005869
2373.3	0.004000	0.557361	0.002229	0.005867
2373.4	0.005000	0.557221	0.002786	0.007332
2373.5	0.005000	0.557081	0.002785	0.007330
2373.6	0.005000	0.556941	0.002785	0.007328
2373.7	0.005000	0.556801	0.002784	0.007327
2373.8	0.006000	0.556661	0.003340	0.008790
2373.9	0.006000	0.556521	0.003339	0.008787

2374.0	0.007000	0.556381	0.003895	0.010249
2374.1	0.006000	0.556359	0.003338	0.008785
2374.2	0.006000	0.556337	0.003338	0.008785
2374.3	0.006000	0.556315	0.003338	0.008784
2374.4	0.006000	0.556293	0.003338	0.008784
2374.5	0.006000	0.556271	0.003338	0.008784
2374.6	0.006000	0.556249	0.003337	0.008783
2374.7	0.006000	0.556227	0.003337	0.008783
2374.8	0.006000	0.556204	0.003337	0.008782
2374.9	0.006000	0.556182	0.003337	0.008782
2375.0	0.006000	0.556160	0.003337	0.008782
2375.1	0.006000	0.556135	0.003337	0.008781
2375.2	0.006000	0.556110	0.003337	0.008781
2375.3	0.006000	0.556085	0.003337	0.008781
2375.4	0.006000	0.556060	0.003336	0.008780
2375.5	0.006000	0.556035	0.003336	0.008780
2375.6	0.006000	0.556010	0.003336	0.008779
2375.7	0.006000	0.555985	0.003336	0.008779
2375.8	0.006000	0.555960	0.003336	0.008779
2375.9	0.006000	0.555935	0.003336	0.008778
2376.0	0.006000	0.555909	0.003335	0.008778
2376.1	0.006000	0.555644	0.003334	0.008774
2376.2	0.006000	0.555960	0.003336	0.008779
2376.3	0.006000	0.555702	0.003334	0.008775
2376.4	0.006000	0.555443	0.003333	0.008770
2376.5	0.006000	0.555184	0.003331	0.008766
2376.6	0.006000	0.554925	0.003330	0.008762
2376.7	0.006000	0.554666	0.003328	0.008758
2376.8	0.006000	0.554407	0.003326	0.008754
2376.9	0.006000	0.554148	0.003325	0.008750
2377.0	0.006000	0.553890	0.003323	0.008746
2377.1	0.006000	0.553619	0.003322	0.008742
2377.2	0.006000	0.553349	0.003320	0.008737
2377.3	0.006000	0.553079	0.003318	0.008733
2377.4	0.007000	0.552809	0.003870	0.010184
2377.5	0.008000	0.552539	0.004420	0.011633
2377.6	0.007000	0.552269	0.003866	0.010174
2377.7	0.006000	0.551999	0.003312	0.008716
2377.8	0.007000	0.551729	0.003862	0.010164
2377.9	0.007000	0.551460	0.003860	0.010159
2378.0	0.008000	0.551190	0.004410	0.011604
2378.1	0.008000	0.551123	0.004409	0.011603
2378.2	0.008000	0.551056	0.004408	0.011602

2378.3	0.008000	0.550988	0.004408	0.011600
2378.4	0.008000	0.550921	0.004407	0.011599
2378.5	0.008000	0.550853	0.004407	0.011597
2378.6	0.009000	0.550786	0.004957	0.013045
2378.7	0.010000	0.550718	0.005507	0.014493
2378.8	0.010000	0.550651	0.005507	0.014491
2378.9	0.010000	0.550584	0.005506	0.014489
2379.0	0.010000	0.550516	0.005505	0.014488
2379.1	0.010000	0.550440	0.005504	0.014486
2379.2	0.010000	0.550363	0.005504	0.014484
2379.3	0.010000	0.550286	0.005503	0.014482
2379.4	0.010000	0.550209	0.005502	0.014480
2379.5	0.011000	0.550132	0.006051	0.015925
2379.6	0.011000	0.550055	0.006051	0.015923
2379.7	0.012000	0.549978	0.006600	0.017368
2379.8	0.012000	0.549902	0.006599	0.017366
2379.9	0.012000	0.549825	0.006598	0.017363
2380.0	0.011000	0.549748	0.006047	0.015914
2380.1	0.010000	0.549792	0.005498	0.014469
2380.2	0.010000	0.549835	0.005498	0.014470
2380.3	0.012000	0.549879	0.006599	0.017365
2380.4	0.011000	0.549922	0.006049	0.015919
2380.5	0.009000	0.549966	0.004950	0.013026
2380.6	0.009000	0.550009	0.004950	0.013027
2380.7	0.010000	0.550052	0.005501	0.014476
2380.8	0.010000	0.550096	0.005501	0.014477
2380.9	0.009000	0.550139	0.004951	0.013030
2381.0	0.009000	0.550183	0.004952	0.013031
2381.1	0.009000	0.550235	0.004952	0.013032
2381.2	0.009000	0.550287	0.004953	0.013034
2381.3	0.009000	0.550339	0.004953	0.013035
2381.4	0.009000	0.550390	0.004954	0.013036
2381.5	0.009000	0.550442	0.004954	0.013037
2381.6	0.009000	0.550494	0.004954	0.013038
2381.7	0.009000	0.550546	0.004955	0.013040
2381.8	0.009000	0.550598	0.004955	0.013041
2381.9	0.009000	0.550650	0.004956	0.013042
2382.0	0.009000	0.550702	0.004956	0.013043
2382.1	0.009000	0.550462	0.004954	0.013038
2382.2	0.009000	0.550222	0.004952	0.013032
2382.3	0.009000	0.549981	0.004950	0.013026
2382.4	0.009000	0.549741	0.004948	0.013021
2382.5	0.009000	0.549501	0.004946	0.013015

2382.6	0.009000	0.549261	0.004943	0.013009
2382.7	0.009000	0.549068	0.004942	0.013005
2382.8	0.009000	0.548930	0.004940	0.013001
2382.9	0.009000	0.548791	0.004939	0.012998
2383.0	0.009000	0.548653	0.004938	0.012995
2383.1	0.009000	0.548515	0.004937	0.012992
2383.2	0.009000	0.548377	0.004935	0.012988
2383.3	0.009000	0.548160	0.004933	0.012983
2383.4	0.009000	0.547921	0.004931	0.012977
2383.5	0.009000	0.547681	0.004929	0.012972
2383.6	0.009000	0.547442	0.004927	0.012966
2383.7	0.009000	0.547203	0.004925	0.012960
2383.8	0.009000	0.546964	0.004923	0.012955
2383.9	0.009000	0.546724	0.004921	0.012949
2384.0	0.009000	0.546485	0.004918	0.012943
2384.1	0.009000	0.546421	0.004918	0.012942
2384.2	0.009000	0.546356	0.004917	0.012940
2384.3	0.009000	0.546292	0.004917	0.012939
2384.4	0.009000	0.546227	0.004916	0.012937
2384.5	0.009000	0.546163	0.004915	0.012936
2384.6	0.009000	0.546099	0.004915	0.012934
2384.7	0.009000	0.546035	0.004914	0.012933
2384.8	0.009000	0.545970	0.004914	0.012931
2384.9	0.009000	0.545906	0.004913	0.012930
2385.0	0.010000	0.545841	0.005458	0.014365
2385.1	0.010000	0.545799	0.005458	0.014364
2385.2	0.010000	0.545757	0.005458	0.014362
2385.3	0.010000	0.545715	0.005457	0.014361
2385.4	0.010000	0.545673	0.005457	0.014360
2385.5	0.011000	0.545631	0.006002	0.015795
2385.6	0.011000	0.545589	0.006001	0.015794
2385.7	0.011000	0.545547	0.006001	0.015793
2385.8	0.012000	0.545505	0.006546	0.017227
2385.9	0.012000	0.545463	0.006546	0.017226
2386.0	0.012000	0.545421	0.006545	0.017224
2386.1	0.012000	0.545684	0.006548	0.017233
2386.2	0.012000	0.545946	0.006551	0.017241
2386.3	0.012000	0.546209	0.006555	0.017249
2386.4	0.012000	0.546472	0.006558	0.017258
2386.5	0.012000	0.546735	0.006561	0.017266
2386.6	0.012000	0.546997	0.006564	0.017274
2386.7	0.012000	0.547260	0.006567	0.017282
2386.8	0.013000	0.547523	0.007118	0.018732

2386.9	0.014000	0.547786	0.007669	0.020182
2387.0	0.014000	0.548049	0.007673	0.020192
2387.1	0.014000	0.548291	0.007676	0.020201
2387.2	0.014000	0.548533	0.007679	0.020210
2387.3	0.014000	0.548775	0.007683	0.020219
2387.4	0.014000	0.549017	0.007686	0.020228
2387.5	0.014000	0.549259	0.007690	0.020236
2387.6	0.015000	0.549501	0.008243	0.021692
2387.7	0.016000	0.549743	0.008796	0.023148
2387.8	0.016000	0.549985	0.008800	0.023158
2387.9	0.016000	0.550227	0.008804	0.023168
2388.0	0.016000	0.550469	0.008808	0.023178
2388.1	0.016000	0.550391	0.008806	0.023175
2388.2	0.016000	0.550314	0.008805	0.023172
2388.3	0.016000	0.550236	0.008804	0.023169
2388.4	0.016000	0.550158	0.008803	0.023165
2388.5	0.016000	0.550080	0.008801	0.023162
2388.6	0.017000	0.550002	0.009350	0.024606
2388.7	0.017000	0.549925	0.009349	0.024603
2388.8	0.017000	0.549746	0.009346	0.024595
2388.9	0.017000	0.549207	0.009337	0.024571
2389.0	0.017000	0.549129	0.009335	0.024567
2389.1	0.017000	0.549029	0.009333	0.024563
2389.2	0.017000	0.548929	0.009332	0.024558
2389.3	0.017000	0.548828	0.009330	0.024554
2389.4	0.017000	0.548728	0.009328	0.024549
2389.5	0.017000	0.548627	0.009327	0.024545
2389.6	0.017000	0.548527	0.009325	0.024540
2389.7	0.018000	0.548427	0.009872	0.025979
2389.8	0.019000	0.548896	0.010429	0.027446
2389.9	0.020000	0.548796	0.010976	0.028885
2390.0	0.020000	0.548695	0.010974	0.028880
2390.1	0.019000	0.548491	0.010421	0.027425
2390.2	0.020000	0.548286	0.010966	0.028858
2390.3	0.020000	0.548081	0.010962	0.028847
2390.4	0.020000	0.547876	0.010958	0.028836
2390.5	0.020000	0.547671	0.010953	0.028826
2390.6	0.020000	0.547466	0.010949	0.028815
2390.7	0.019000	0.547261	0.010398	0.027364
2390.8	0.019000	0.547056	0.010394	0.027354
2390.9	0.019000	0.546851	0.010390	0.027343
2391.0	0.019000	0.546646	0.010386	0.027333
2391.1	0.019000	0.546422	0.010382	0.027322

2391.2	0.020000	0.546199	0.010924	0.028748
2391.3	0.020000	0.545975	0.010920	0.028736
2391.4	0.019000	0.545752	0.010369	0.027288
2391.5	0.019000	0.545528	0.010365	0.027277
2391.6	0.020000	0.545304	0.010906	0.028701
2391.7	0.021000	0.545081	0.011447	0.030124
2391.8	0.022000	0.544857	0.011987	0.031545
2391.9	0.022000	0.544633	0.011982	0.031532
2392.0	0.022000	0.544410	0.011977	0.031519
2392.1	0.022000	0.544492	0.011979	0.031524
2392.2	0.022000	0.544575	0.011981	0.031529
2392.3	0.022000	0.544657	0.011982	0.031534
2392.4	0.023000	0.544740	0.012529	0.032972
2392.5	0.024000	0.544822	0.013076	0.034411
2392.6	0.025000	0.544905	0.013623	0.035850
2392.7	0.025000	0.544988	0.013625	0.035856
2392.8	0.025000	0.545071	0.013627	0.035861
2392.9	0.024000	0.545154	0.013084	0.034432
2393.0	0.025000	0.545319	0.013633	0.035877
2393.1	0.027000	0.545581	0.014731	0.038766
2393.2	0.028000	0.546245	0.015295	0.040251
2393.3	0.029000	0.546429	0.015846	0.041702
2393.4	0.030000	0.546613	0.016398	0.043155
2393.5	0.030000	0.546787	0.016404	0.043169
2393.6	0.030000	0.546870	0.016406	0.043175
2393.7	0.032000	0.546954	0.017503	0.046061
2393.8	0.033000	0.547038	0.018052	0.047507
2393.9	0.033000	0.547122	0.018055	0.047515
2394.0	0.033000	0.547206	0.018058	0.047522
2394.1	0.033000	0.547116	0.018055	0.047514
2394.2	0.033000	0.547027	0.018052	0.047506
2394.3	0.033000	0.546937	0.018049	0.047499
2394.4	0.034000	0.546848	0.018593	0.048930
2394.5	0.035000	0.546759	0.019137	0.050361
2394.6	0.036000	0.546669	0.019680	0.051791
2394.7	0.036000	0.546580	0.019677	0.051783
2394.8	0.037000	0.546491	0.020220	0.053213
2394.9	0.038000	0.546402	0.020763	0.054642
2395.0	0.040000	0.546312	0.021852	0.057508
2395.1	0.040000	0.546284	0.021851	0.057505
2395.2	0.040000	0.546256	0.021850	0.057502
2395.3	0.042000	0.546227	0.022942	0.060374
2395.4	0.044000	0.546199	0.024033	0.063246

2395.5	0.044000	0.546171	0.024032	0.063243
2395.6	0.045000	0.546143	0.024576	0.064677
2395.7	0.046000	0.546115	0.025121	0.066111
2395.8	0.048000	0.546087	0.026212	0.068982
2395.9	0.048000	0.546058	0.026211	0.068978
2396.0	0.048000	0.546030	0.026209	0.068974
2396.1	0.049000	0.546026	0.026755	0.070411
2396.2	0.051000	0.546021	0.027847	0.073284
2396.3	0.053000	0.546017	0.028939	0.076157
2396.4	0.055000	0.546012	0.030031	0.079031
2396.5	0.056000	0.546008	0.030576	0.080467
2396.6	0.057000	0.546003	0.031122	0.081903
2396.7	0.058000	0.545999	0.031668	0.083339
2396.8	0.058000	0.545994	0.031668	0.083339
2396.9	0.061000	0.545990	0.033305	0.087648
2397.0	0.065000	0.546053	0.035493	0.093407
2397.1	0.067000	0.546135	0.036591	0.096295
2397.2	0.067000	0.546217	0.036597	0.096310
2397.3	0.067000	0.546298	0.036602	0.096324
2397.4	0.068000	0.546947	0.037192	0.097878
2397.5	0.070000	0.547029	0.038292	0.100772
2397.6	0.071000	0.547017	0.038838	0.102209
2397.7	0.074000	0.546998	0.040478	0.106524
2397.8	0.076000	0.546979	0.041570	0.109399
2397.9	0.077000	0.546960	0.042116	0.110835
2398.0	0.078000	0.546941	0.042661	0.112270
2398.1	0.080000	0.546961	0.043757	0.115153
2398.2	0.081000	0.546981	0.044305	0.116597
2398.3	0.083000	0.547001	0.045401	0.119480
2398.4	0.085000	0.547021	0.046497	0.122364
2398.5	0.086000	0.547040	0.047045	0.123808
2398.6	0.088000	0.547060	0.048141	0.126692
2398.7	0.089000	0.547080	0.048690	0.128136
2398.8	0.091000	0.547099	0.049786	0.131020
2398.9	0.093000	0.547119	0.050882	0.133904
2399.0	0.094000	0.547138	0.051431	0.135349
2399.1	0.096000	0.547138	0.052525	0.138229
2399.2	0.100000	0.547137	0.054714	0.143988
2399.3	0.103000	0.547137	0.056355	0.148307
2399.4	0.104000	0.547136	0.056902	0.149747
2399.5	0.104000	0.547135	0.056902	0.149747
2399.6	0.106000	0.547135	0.057996	0.152627
2399.7	0.109000	0.547134	0.059638	0.156946

2399.8	0.112000	0.547133	0.061279	0.161265
2399.9	0.114000	0.547132	0.062373	0.164145
2400.0	0.116000	0.547131	0.063467	0.167024
2400.1	0.118000	0.547144	0.064563	0.169908
2400.2	0.122000	0.547156	0.066753	0.175671
2400.3	0.124000	0.547173	0.067850	0.178557
2400.4	0.128000	0.547193	0.070041	0.184323
2400.5	0.138000	0.547212	0.075515	0.198730
2400.6	0.140000	0.547231	0.076612	0.201618
2400.7	0.141000	0.547250	0.077162	0.203065
2400.8	0.143000	0.547269	0.078259	0.205952
2400.9	0.147000	0.547288	0.080451	0.211721
2401.0	0.150000	0.547308	0.082096	0.216049
2401.1	0.153000	0.547335	0.083742	0.220381
2401.2	0.157000	0.547363	0.085936	0.226154
2401.3	0.160000	0.547390	0.087582	0.230487
2401.4	0.163000	0.547418	0.089229	0.234821
2401.5	0.168000	0.547446	0.091971	0.242036
2401.6	0.174000	0.547473	0.095260	0.250693
2401.7	0.183000	0.547501	0.100193	0.263673
2401.8	0.193000	0.547529	0.105673	0.278096
2401.9	0.195000	0.547557	0.106774	0.280992
2402.0	0.197000	0.547585	0.107874	0.283888
2402.1	0.198000	0.547733	0.108451	0.285407
2402.2	0.199000	0.547882	0.109029	0.286926
2402.3	0.201000	0.548030	0.110154	0.289888
2402.4	0.203000	0.548179	0.111280	0.292852
2402.5	0.205000	0.548328	0.112407	0.295818
2402.6	0.210000	0.548477	0.115180	0.303115
2402.7	0.213000	0.548627	0.116857	0.307529
2402.8	0.214000	0.549345	0.117560	0.309377
2402.9	0.216000	0.549494	0.118691	0.312354
2403.0	0.219000	0.549644	0.120372	0.316778
2403.1	0.223000	0.549727	0.122589	0.322613
2403.2	0.225000	0.549810	0.123707	0.325555
2403.3	0.228000	0.549893	0.125376	0.329946
2403.4	0.232000	0.549976	0.127594	0.335785
2403.5	0.235000	0.550059	0.129264	0.340179
2403.6	0.236000	0.550143	0.129834	0.341678
2403.7	0.246000	0.550226	0.135356	0.356210
2403.8	0.257000	0.550309	0.141430	0.372195
2403.9	0.259000	0.550393	0.142552	0.375148
2404.0	0.261000	0.550476	0.143674	0.378102

2404.1	0.266000	0.550422	0.146412	0.385308
2404.2	0.271000	0.550386	0.149155	0.392524
2404.3	0.277000	0.550878	0.152593	0.401574
2404.4	0.285000	0.550825	0.156985	0.413131
2404.5	0.285000	0.550771	0.156970	0.413091
2404.6	0.286000	0.550718	0.157505	0.414501
2404.7	0.294000	0.550665	0.161895	0.426054
2404.8	0.298000	0.550611	0.164082	0.431808
2404.9	0.300000	0.550557	0.165167	0.434664
2405.0	0.310000	0.550504	0.170656	0.449109
2405.1	0.323000	0.550494	0.177809	0.467934
2405.2	0.326000	0.550483	0.179458	0.472272
2405.3	0.326000	0.550473	0.179454	0.472263
2405.4	0.328000	0.550463	0.180552	0.475151
2405.5	0.330000	0.550452	0.181649	0.478039
2405.6	0.331000	0.550442	0.182196	0.479479
2405.7	0.332000	0.550432	0.182743	0.480919
2405.8	0.340000	0.550421	0.187143	0.492498
2405.9	0.351000	0.550411	0.193194	0.508422
2406.0	0.357000	0.550400	0.196493	0.517103
2406.1	0.361000	0.550522	0.198739	0.523012
2406.2	0.366000	0.550644	0.201536	0.530373
2406.3	0.370000	0.550765	0.203783	0.536288
2406.4	0.374000	0.550887	0.206032	0.542206
2406.5	0.379000	0.551008	0.208832	0.549576
2406.6	0.382000	0.551130	0.210532	0.554048
2406.7	0.385000	0.551251	0.212232	0.558522
2406.8	0.394000	0.551373	0.217241	0.571704
2406.9	0.403000	0.551494	0.222252	0.584892
2407.0	0.405000	0.551615	0.223404	0.587924
2407.1	0.405000	0.551830	0.223491	0.588153
2407.2	0.407000	0.552045	0.224682	0.591288
2407.3	0.411000	0.552831	0.227214	0.597950
2407.4	0.417000	0.553046	0.230620	0.606914
2407.5	0.422000	0.553261	0.233476	0.614430
2407.6	0.425000	0.553475	0.235227	0.619038
2407.7	0.426000	0.554256	0.236113	0.621369
2407.8	0.427000	0.554471	0.236759	0.623070
2407.9	0.430000	0.554686	0.238515	0.627690
2408.0	0.433000	0.554901	0.240272	0.632315
2408.1	0.437000	0.555133	0.242593	0.638423
2408.2	0.443000	0.555365	0.246027	0.647459
2408.3	0.452000	0.555597	0.251130	0.660889

2408.4	0.457000	0.555829	0.254014	0.668479
2408.5	0.460000	0.556084	0.255799	0.673175
2408.6	0.462000	0.556417	0.257065	0.676507
2408.7	0.467000	0.556750	0.260002	0.684238
2408.8	0.474000	0.557083	0.264057	0.694909
2408.9	0.478000	0.557416	0.266445	0.701193
2409.0	0.480000	0.557749	0.267720	0.704548
2409.1	0.482000	0.557967	0.268940	0.707759
2409.2	0.486000	0.558125	0.271249	0.713835
2409.3	0.494000	0.558284	0.275792	0.725792
2409.4	0.502000	0.558442	0.280338	0.737755
2409.5	0.511000	0.558601	0.285445	0.751195
2409.6	0.518000	0.558760	0.289438	0.761702
2409.7	0.518000	0.558919	0.289520	0.761918
2409.8	0.518000	0.559077	0.289602	0.762135
2409.9	0.521000	0.559236	0.291362	0.766766
2410.0	0.524000	0.559395	0.293123	0.771401
2410.1	0.526000	0.559300	0.294192	0.774213
2410.2	0.528000	0.559205	0.295260	0.777025
2410.3	0.532000	0.559111	0.297447	0.782779
2410.4	0.537000	0.559016	0.300192	0.790002
2410.5	0.541000	0.558921	0.302376	0.795752
2410.6	0.544000	0.558826	0.304002	0.800029
2410.7	0.547000	0.558732	0.305626	0.804305
2410.8	0.550000	0.558637	0.307250	0.808579
2410.9	0.554000	0.558542	0.309432	0.814321
2411.0	0.557000	0.558447	0.311055	0.818592
2411.1	0.559000	0.558815	0.312378	0.822073
2411.2	0.561000	0.558605	0.313378	0.824703
2411.3	0.564000	0.558395	0.314935	0.828802
2411.4	0.568000	0.558185	0.317049	0.834366
2411.5	0.569000	0.557975	0.317488	0.835520
2411.6	0.571000	0.557765	0.318484	0.838141
2411.7	0.577000	0.557555	0.321709	0.846630
2411.8	0.579000	0.557345	0.322703	0.849244
2411.9	0.579000	0.557135	0.322581	0.848925
2412.0	0.581000	0.556925	0.323574	0.851536
2412.1	0.585000	0.556675	0.325655	0.857013
2412.2	0.586000	0.556424	0.326064	0.858091
2412.3	0.588000	0.556173	0.327030	0.860631
2412.4	0.592000	0.555922	0.329106	0.866095
2412.5	0.596000	0.555672	0.331180	0.871554
2412.6	0.598000	0.555421	0.332142	0.874085

2412.7	0.600000	0.555171	0.333102	0.876613
2412.8	0.604000	0.554920	0.335172	0.882059
2412.9	0.608000	0.554670	0.337239	0.887500
2413.0	0.610000	0.554420	0.338196	0.890017
2413.1	0.612000	0.554153	0.339142	0.892507
2413.2	0.614000	0.553887	0.340087	0.894994
2413.3	0.616000	0.553622	0.341031	0.897478
2413.4	0.617000	0.553356	0.341421	0.898503
2413.5	0.618000	0.553090	0.341810	0.899527
2413.6	0.620000	0.552824	0.342751	0.902005
2413.7	0.624000	0.552559	0.344797	0.907388
2413.8	0.629000	0.552293	0.347392	0.914219
2413.9	0.633000	0.552028	0.349434	0.919591
2414.0	0.634000	0.551762	0.349817	0.920601
2414.1	0.635000	0.551684	0.350319	0.921922
2414.2	0.637000	0.551606	0.351373	0.924694
2414.3	0.641000	0.551527	0.353529	0.930369
2414.4	0.644000	0.551450	0.355134	0.934591
2414.5	0.647000	0.551941	0.357106	0.939782
2414.6	0.649000	0.551863	0.358159	0.942553
2414.7	0.650000	0.551784	0.358660	0.943871
2414.8	0.652000	0.551706	0.359712	0.946641
2414.9	0.655000	0.551627	0.361316	0.950861
2415.0	0.657000	0.551549	0.362368	0.953629
2415.1	0.657000	0.551497	0.362334	0.953539
2415.2	0.658000	0.551445	0.362851	0.954900
2415.3	0.660000	0.551392	0.363919	0.957711
2415.4	0.662000	0.551340	0.364987	0.960522
2415.5	0.664000	0.551287	0.366055	0.963332
2415.6	0.665000	0.551235	0.366571	0.964691
2415.7	0.665000	0.551182	0.366536	0.964599
2415.8	0.665000	0.551130	0.366501	0.964507
2415.9	0.665000	0.551077	0.366466	0.964415
2416.0	0.666000	0.551025	0.366982	0.965774
2416.1	0.668000	0.551041	0.368095	0.968702
2416.2	0.668000	0.551056	0.368106	0.968729
2416.3	0.669000	0.551072	0.368667	0.970207
2416.4	0.673000	0.551088	0.370882	0.976036
2416.5	0.674000	0.551104	0.371444	0.977514
2416.6	0.674000	0.551119	0.371454	0.977542
2416.7	0.675000	0.551135	0.372016	0.979020
2416.8	0.677000	0.551150	0.373129	0.981949
2416.9	0.679000	0.551166	0.374242	0.984877

2417.0	0.679000	0.551181	0.374252	0.984905
2417.1	0.679000	0.551162	0.374239	0.984870
2417.2	0.681000	0.551143	0.375328	0.987737
2417.3	0.681000	0.551124	0.375315	0.987702
2417.4	0.681000	0.551104	0.375302	0.987668
2417.5	0.683000	0.551085	0.376391	0.990533
2417.6	0.685000	0.551635	0.377870	0.994425
2417.7	0.685000	0.551615	0.377856	0.994390
2417.8	0.686000	0.551595	0.378394	0.995806
2417.9	0.686000	0.551575	0.378381	0.995770
2418.0	0.686000	0.551556	0.378367	0.995734
2418.1	0.687000	0.551275	0.378726	0.996679
2418.2	0.688000	0.550995	0.379085	0.997622
2418.3	0.689000	0.550715	0.379443	0.998564
2418.4	0.689000	0.550455	0.379263	0.998093
2418.5	0.689000	0.550273	0.379138	0.997764
2418.6	0.690000	0.550092	0.379563	0.998882
2418.7	0.691000	0.549910	0.379988	1.000000
2418.8	0.691000	0.549729	0.379863	0.999670
2418.9	0.691000	0.549547	0.379737	0.999339
2419.0	0.691000	0.549331	0.379587	0.998945
2419.1	0.691000	0.549038	0.379385	0.998413
2419.2	0.692000	0.548745	0.379731	0.999325
2419.3	0.692000	0.548452	0.379529	0.998792
2419.4	0.692000	0.548160	0.379327	0.998259
2419.5	0.691000	0.547867	0.378576	0.996285
2419.6	0.691000	0.547575	0.378374	0.995753
2419.7	0.691000	0.547283	0.378172	0.995221
2419.8	0.690000	0.546990	0.377423	0.993250
2419.9	0.689000	0.546698	0.376675	0.991280
2420.0	0.689000	0.546406	0.376473	0.990751
2420.1	0.689000	0.546256	0.376370	0.990480
2420.2	0.688000	0.546107	0.375721	0.988771
2420.3	0.687000	0.545957	0.375073	0.987064
2420.4	0.687000	0.546371	0.375357	0.987811
2420.5	0.687000	0.546222	0.375254	0.987542
2420.6	0.686000	0.546072	0.374605	0.985835
2420.7	0.685000	0.545922	0.373957	0.984128
2420.8	0.684000	0.545773	0.373309	0.982422
2420.9	0.683000	0.545623	0.372661	0.980717
2421.0	0.682000	0.545474	0.372013	0.979013
2421.1	0.682000	0.545393	0.371958	0.978868
2421.2	0.682000	0.545312	0.371903	0.978723

2421.3	0.681000	0.545232	0.371303	0.977143
2421.4	0.680000	0.545151	0.370703	0.975564
2421.5	0.680000	0.545070	0.370648	0.975420
2421.6	0.680000	0.544990	0.370593	0.975275
2421.7	0.680000	0.544909	0.370538	0.975131
2421.8	0.678000	0.544828	0.369394	0.972119
2421.9	0.678000	0.544748	0.369339	0.971976
2422.0	0.678000	0.544668	0.369285	0.971832
2422.1	0.677000	0.544840	0.368857	0.970707
2422.2	0.676000	0.545013	0.368429	0.969581
2422.3	0.676000	0.545187	0.368546	0.969889
2422.4	0.676000	0.545360	0.368663	0.970197
2422.5	0.675000	0.545533	0.368235	0.969069
2422.6	0.673000	0.546180	0.367579	0.967343
2422.7	0.674000	0.546436	0.368298	0.969235
2422.8	0.673000	0.546610	0.367868	0.968105
2422.9	0.672000	0.546784	0.367439	0.966974
2423.0	0.672000	0.547521	0.367934	0.968277
2423.1	0.672000	0.547736	0.368079	0.968658
2423.2	0.671000	0.547951	0.367675	0.967597
2423.3	0.671000	0.548166	0.367820	0.967977
2423.4	0.671000	0.548382	0.367964	0.968357
2423.5	0.671000	0.548597	0.368109	0.968737
2423.6	0.671000	0.548812	0.368253	0.969117
2423.7	0.671000	0.549028	0.368398	0.969498
2423.8	0.671000	0.549243	0.368542	0.969878
2423.9	0.671000	0.549459	0.368687	0.970259
2424.0	0.671000	0.549674	0.368832	0.970640
2424.1	0.670000	0.549533	0.368187	0.968944
2424.2	0.670000	0.549391	0.368092	0.968694
2424.3	0.669000	0.549250	0.367448	0.966999
2424.4	0.670000	0.549108	0.367902	0.968195
2424.5	0.670000	0.548966	0.367807	0.967945
2424.6	0.670000	0.548825	0.367712	0.967695
2424.7	0.670000	0.548683	0.367617	0.967445
2424.8	0.670000	0.548541	0.367522	0.967194
2424.9	0.669000	0.548399	0.366879	0.965501
2425.0	0.668000	0.548257	0.366235	0.963808
2425.1	0.669000	0.548133	0.366701	0.965032
2425.2	0.669000	0.548009	0.366618	0.964814
2425.3	0.668000	0.547885	0.365987	0.963154
2425.4	0.668000	0.547761	0.365905	0.962937
2425.5	0.668000	0.548201	0.366198	0.963709

2425.6	0.668000	0.548076	0.366115	0.963491
2425.7	0.668000	0.547952	0.366032	0.963272
2425.8	0.668000	0.547827	0.365948	0.963052
2425.9	0.668000	0.547702	0.365865	0.962833
2426.0	0.668000	0.547577	0.365781	0.962613
2426.1	0.668000	0.547537	0.365755	0.962543
2426.2	0.668000	0.547497	0.365728	0.962473
2426.3	0.668000	0.547457	0.365702	0.962403
2426.4	0.668000	0.547417	0.365675	0.962332
2426.5	0.669000	0.547377	0.366195	0.963702
2426.6	0.670000	0.547337	0.366716	0.965072
2426.7	0.670000	0.547297	0.366689	0.965002
2426.8	0.670000	0.547257	0.366662	0.964931
2426.9	0.670000	0.547216	0.366635	0.964859
2427.0	0.670000	0.547176	0.366608	0.964788
2427.1	0.670000	0.547059	0.366529	0.964581
2427.2	0.669000	0.546941	0.365904	0.962935
2427.3	0.670000	0.546824	0.366372	0.964167
2427.4	0.671000	0.546706	0.366840	0.965399
2427.5	0.671000	0.546589	0.366761	0.965191
2427.6	0.671000	0.546471	0.366682	0.964984
2427.7	0.672000	0.546354	0.367150	0.966214
2427.8	0.673000	0.545791	0.367317	0.966654
2427.9	0.674000	0.545562	0.367709	0.967685
2428.0	0.675000	0.545445	0.368175	0.968912
2428.1	0.677000	0.545586	0.369362	0.972035
2428.2	0.677000	0.545727	0.369457	0.972286
2428.3	0.678000	0.545868	0.370098	0.973973
2428.4	0.679000	0.546009	0.370740	0.975662
2428.5	0.679000	0.546150	0.370836	0.975913
2428.6	0.679000	0.546290	0.370931	0.976165
2428.7	0.679000	0.546431	0.371027	0.976416
2428.8	0.679000	0.546572	0.371122	0.976668
2428.9	0.679000	0.546712	0.371218	0.976919
2429.0	0.679000	0.546853	0.371313	0.977171
2429.1	0.679000	0.547028	0.371432	0.977483
2429.2	0.679000	0.547203	0.371551	0.977796
2429.3	0.679000	0.547378	0.371669	0.978108
2429.4	0.679000	0.547552	0.371788	0.978420
2429.5	0.679000	0.547727	0.371907	0.978732
2429.6	0.679000	0.547902	0.372025	0.979044
2429.7	0.679000	0.548076	0.372144	0.979357
2429.8	0.679000	0.548251	0.372263	0.979669

2429.9	0.679000	0.548426	0.372381	0.979981
2430.0	0.679000	0.548601	0.372500	0.980294
2430.1	0.679000	0.548478	0.372416	0.980074
2430.2	0.679000	0.548355	0.372333	0.979854
2430.3	0.679000	0.548232	0.372249	0.979634
2430.4	0.679000	0.548109	0.372166	0.979414
2430.5	0.679000	0.547986	0.372082	0.979194
2430.6	0.678000	0.547862	0.371451	0.977533
2430.7	0.677000	0.547739	0.370820	0.975871
2430.8	0.676000	0.547616	0.370188	0.974211
2430.9	0.674000	0.547493	0.369010	0.971110
2431.0	0.673000	0.547370	0.368380	0.969451
2431.1	0.673000	0.547281	0.368320	0.969293
2431.2	0.673000	0.547192	0.368260	0.969135
2431.3	0.673000	0.547103	0.368200	0.968978
2431.4	0.671000	0.547014	0.367046	0.965941
2431.5	0.668000	0.546929	0.365348	0.961473
2431.6	0.666000	0.547269	0.364481	0.959192
2431.7	0.666000	0.546753	0.364138	0.958287
2431.8	0.662000	0.546668	0.361894	0.952383
2431.9	0.654000	0.546583	0.357465	0.940727
2432.0	0.650000	0.546497	0.355223	0.934827
2432.1	0.648000	0.546589	0.354190	0.932107
2432.2	0.646000	0.546681	0.353156	0.929386
2432.3	0.643000	0.546772	0.351575	0.925225
2432.4	0.641000	0.546864	0.350540	0.922502
2432.5	0.636000	0.546956	0.347864	0.915460
2432.6	0.631000	0.547047	0.345187	0.908415
2432.7	0.628000	0.547139	0.343603	0.904248
2432.8	0.624000	0.547231	0.341472	0.898639
2432.9	0.621000	0.547323	0.339887	0.894468
2433.0	0.619000	0.547414	0.338849	0.891737
2433.1	0.617000	0.547372	0.337728	0.888787
2433.2	0.614000	0.547330	0.336061	0.884397
2433.3	0.597000	0.547706	0.326981	0.860502
2433.4	0.583000	0.547803	0.319369	0.840472
2433.5	0.579000	0.547761	0.317154	0.834641
2433.6	0.577000	0.547719	0.316034	0.831693
2433.7	0.569000	0.547676	0.311628	0.820099
2433.8	0.557000	0.547634	0.305032	0.802741
2433.9	0.552000	0.547591	0.302270	0.795474
2434.0	0.546000	0.547549	0.298962	0.786766
2434.1	0.540000	0.547519	0.295660	0.778077

2434.2	0.520000	0.547488	0.284694	0.749218
2434.3	0.518000	0.547457	0.283583	0.746294
2434.4	0.516000	0.547427	0.282472	0.743371
2434.5	0.514000	0.547396	0.281362	0.740448
2434.6	0.510000	0.547365	0.279156	0.734645
2434.7	0.502000	0.547334	0.274762	0.723080
2434.8	0.489000	0.547303	0.267631	0.704315
2434.9	0.483000	0.547272	0.264332	0.695634
2435.0	0.480000	0.547241	0.262676	0.691274
2435.1	0.478000	0.547173	0.261549	0.688307
2435.2	0.476000	0.547104	0.260422	0.685341
2435.3	0.474000	0.547035	0.259295	0.682376
2435.4	0.452000	0.546966	0.247229	0.650622
2435.5	0.450000	0.546897	0.246104	0.647662
2435.6	0.448000	0.547391	0.245231	0.645366
2435.7	0.446000	0.547322	0.244106	0.642403
2435.8	0.443000	0.547252	0.242433	0.638001
2435.9	0.413000	0.547183	0.225987	0.594720
2436.0	0.398000	0.547113	0.217751	0.573047
2436.1	0.396000	0.546769	0.216521	0.569809
2436.2	0.393000	0.546425	0.214745	0.565136
2436.3	0.391000	0.546081	0.213518	0.561907
2436.4	0.378000	0.545738	0.206289	0.542882
2436.5	0.378000	0.545394	0.206159	0.542540
2436.6	0.377000	0.545051	0.205484	0.540764
2436.7	0.343000	0.544707	0.186835	0.491685
2436.8	0.332000	0.544364	0.180729	0.475617
2436.9	0.332000	0.544021	0.180615	0.475317
2437.0	0.331000	0.543678	0.179957	0.473587
2437.1	0.331000	0.543426	0.179874	0.473367
2437.2	0.312000	0.543174	0.169470	0.445988
2437.3	0.308000	0.542865	0.167202	0.440020
2437.4	0.305000	0.542517	0.165468	0.435455
2437.5	0.301000	0.542170	0.163193	0.429469
2437.6	0.297000	0.541822	0.160921	0.423490
2437.7	0.282000	0.541475	0.152696	0.401844
2437.8	0.273000	0.541127	0.147728	0.388769
2437.9	0.266000	0.540842	0.143864	0.378601
2438.0	0.259000	0.540591	0.140013	0.368467
2438.1	0.255000	0.540449	0.137814	0.362681
2438.2	0.250000	0.540307	0.135077	0.355476
2438.3	0.245000	0.540165	0.132340	0.348275
2438.4	0.240000	0.540023	0.129606	0.341078

2438.5	0.222000	0.539881	0.119854	0.315414
2438.6	0.218000	0.539739	0.117663	0.309650
2438.7	0.217000	0.539597	0.117093	0.308148
2438.8	0.217000	0.539455	0.117062	0.308067
2438.9	0.204000	0.539314	0.110020	0.289535
2439.0	0.193000	0.539172	0.104060	0.273851
2439.1	0.192000	0.539070	0.103502	0.272381
2439.2	0.188000	0.538969	0.101326	0.266656
2439.3	0.182000	0.538868	0.098074	0.258097
2439.4	0.177000	0.538767	0.095362	0.250960
2439.5	0.172000	0.538666	0.092651	0.243825
2439.6	0.166000	0.538565	0.089402	0.235275
2439.7	0.158000	0.538463	0.085077	0.223894
2439.8	0.151000	0.538362	0.081293	0.213935
2439.9	0.147000	0.538260	0.079124	0.208228
2440.0	0.144000	0.538159	0.077495	0.203940
2440.1	0.140000	0.538389	0.075374	0.198360
2440.2	0.137000	0.538618	0.073791	0.194192
2440.3	0.130000	0.538847	0.070050	0.184348
2440.4	0.130000	0.539077	0.070080	0.184427
2440.5	0.129000	0.539306	0.069571	0.183086
2440.6	0.126000	0.539536	0.067982	0.178904
2440.7	0.123000	0.539765	0.066391	0.174719
2440.8	0.120000	0.539995	0.064799	0.170530
2440.9	0.118000	0.540224	0.063746	0.167759
2441.0	0.116000	0.540454	0.062693	0.164986
2441.1	0.112000	0.540673	0.060555	0.159361
2441.2	0.106000	0.540891	0.057334	0.150885
2441.3	0.102000	0.541110	0.055193	0.145250
2441.4	0.100000	0.541328	0.054133	0.142459
2441.5	0.100000	0.541546	0.054155	0.142517
2441.6	0.100000	0.541765	0.054176	0.142574
2441.7	0.100000	0.541983	0.054198	0.142632
2441.8	0.090000	0.541644	0.048748	0.128288
2441.9	0.083000	0.541862	0.044975	0.118358
2442.0	0.082000	0.542080	0.044451	0.116979
2442.1	0.080000	0.542233	0.043379	0.114158
2442.2	0.078000	0.542387	0.042306	0.111335
2442.3	0.077000	0.542540	0.041776	0.109939
2442.4	0.076000	0.542694	0.041245	0.108542
2442.5	0.074000	0.542847	0.040171	0.105716
2442.6	0.073000	0.543001	0.039639	0.104317
2442.7	0.071000	0.543154	0.038564	0.101487

2442.8	0.069000	0.543308	0.037488	0.098656
2442.9	0.069000	0.543461	0.037499	0.098684
2443.0	0.067000	0.543615	0.036422	0.095851
2443.1	0.065000	0.543762	0.035345	0.093015
2443.2	0.064000	0.543908	0.034810	0.091608
2443.3	0.064000	0.544055	0.034819	0.091633
2443.4	0.062000	0.544201	0.033740	0.088793
2443.5	0.061000	0.544347	0.033205	0.087385
2443.6	0.059000	0.544494	0.032125	0.084543
2443.7	0.056000	0.544641	0.030500	0.080265
2443.8	0.053000	0.545148	0.028893	0.076036
2443.9	0.053000	0.545489	0.028911	0.076084
2444.0	0.053000	0.545636	0.028919	0.076104
2444.1	0.051000	0.545561	0.027824	0.073222
2444.2	0.049000	0.545487	0.026729	0.070341
2444.3	0.048000	0.545412	0.026180	0.068896
2444.4	0.047000	0.545338	0.025631	0.067452
2444.5	0.046000	0.545264	0.025082	0.066008
2444.6	0.045000	0.545189	0.024534	0.064564
2444.7	0.043000	0.545115	0.023440	0.061686
2444.8	0.043000	0.545040	0.023437	0.061678
2444.9	0.043000	0.544966	0.023434	0.061669
2445.0	0.042000	0.544891	0.022885	0.060227
2445.1	0.039000	0.544268	0.021226	0.055861
2445.2	0.038000	0.544206	0.020680	0.054422
2445.3	0.037000	0.544144	0.020133	0.052984
2445.4	0.036000	0.544081	0.019587	0.051546
2445.5	0.035000	0.544019	0.019041	0.050109
2445.6	0.034000	0.543957	0.018495	0.048671
2445.7	0.032000	0.543546	0.017393	0.045774
2445.8	0.031000	0.543279	0.016842	0.044321
2445.9	0.031000	0.543216	0.016840	0.044316
2446.0	0.029000	0.543154	0.015751	0.041453
2446.1	0.027000	0.543294	0.014669	0.038604
2446.2	0.027000	0.543434	0.014673	0.038614
2446.3	0.027000	0.543574	0.014677	0.038624
2446.4	0.027000	0.543714	0.014680	0.038634
2446.5	0.027000	0.543855	0.014684	0.038644
2446.6	0.027000	0.543995	0.014688	0.038653
2446.7	0.027000	0.544135	0.014692	0.038663
2446.8	0.026000	0.544275	0.014151	0.037241
2446.9	0.025000	0.544415	0.013610	0.035818
2447.0	0.024000	0.544555	0.013069	0.034394

2447.1	0.024000	0.544658	0.013072	0.034401
2447.2	0.024000	0.545100	0.013082	0.034428
2447.3	0.024000	0.545420	0.013090	0.034449
2447.4	0.024000	0.545524	0.013093	0.034455
2447.5	0.023000	0.545627	0.012549	0.033026
2447.6	0.022000	0.545731	0.012006	0.031596
2447.7	0.021000	0.545834	0.011463	0.030165
2447.8	0.021000	0.545938	0.011465	0.030171
2447.9	0.021000	0.546041	0.011467	0.030177
2448.0	0.021000	0.546145	0.011469	0.030183
2448.1	0.020000	0.546060	0.010921	0.028741
2448.2	0.020000	0.545974	0.010919	0.028736
2448.3	0.020000	0.545889	0.010918	0.028732
2448.4	0.020000	0.545242	0.010905	0.028698
2448.5	0.020000	0.545156	0.010903	0.028693
2448.6	0.020000	0.545071	0.010901	0.028689
2448.7	0.019000	0.544986	0.010355	0.027250
2448.8	0.019000	0.544900	0.010353	0.027246
2448.9	0.019000	0.544815	0.010351	0.027242
2449.0	0.018000	0.544730	0.009805	0.025804
2449.1	0.018000	0.544599	0.009803	0.025798
2449.2	0.018000	0.544467	0.009800	0.025791
2449.3	0.017000	0.544336	0.009254	0.024353
2449.4	0.016000	0.544205	0.008707	0.022915
2449.5	0.016000	0.544073	0.008705	0.022909
2449.6	0.017000	0.543942	0.009247	0.024335
2449.7	0.018000	0.543811	0.009789	0.025760
2449.8	0.017000	0.543680	0.009243	0.024323
2449.9	0.016000	0.543549	0.008697	0.022887
2450.0	0.016000	0.543418	0.008695	0.022881
2450.1	0.016000	0.543206	0.008691	0.022873
2450.2	0.016000	0.542994	0.008688	0.022864
2450.3	0.016000	0.542782	0.008685	0.022855
2450.4	0.016000	0.542571	0.008681	0.022846
2450.5	0.016000	0.542359	0.008678	0.022837
2450.6	0.015000	0.542148	0.008132	0.021401
2450.7	0.015000	0.541936	0.008129	0.021393
2450.8	0.015000	0.541725	0.008126	0.021385
2450.9	0.015000	0.541513	0.008123	0.021376
2451.0	0.015000	0.541302	0.008120	0.021368
2451.1	0.014000	0.541111	0.007576	0.019936
2451.2	0.013000	0.540919	0.007032	0.018506
2451.3	0.014000	0.540727	0.007570	0.019922

2451.4	0.014000	0.540536	0.007568	0.019915
2451.5	0.013000	0.540345	0.007024	0.018486
2451.6	0.011000	0.540153	0.005942	0.015637
2451.7	0.011000	0.539962	0.005940	0.015631
2451.8	0.011000	0.539770	0.005937	0.015625
2451.9	0.011000	0.539579	0.005935	0.015620
2452.0	0.011000	0.539388	0.005933	0.015614
2452.1	0.011000	0.539472	0.005934	0.015617
2452.2	0.011000	0.539556	0.005935	0.015619
2452.3	0.011000	0.539640	0.005936	0.015622
2452.4	0.010000	0.539724	0.005397	0.014204
2452.5	0.010000	0.539808	0.005398	0.014206
2452.6	0.010000	0.539892	0.005399	0.014208
2452.7	0.010000	0.539419	0.005394	0.014196
2452.8	0.010000	0.539503	0.005395	0.014198
2452.9	0.010000	0.539586	0.005396	0.014200
2453.0	0.010000	0.539670	0.005397	0.014202
2453.1	0.010000	0.539791	0.005398	0.014205
2453.2	0.010000	0.539912	0.005399	0.014209
2453.3	0.010000	0.540033	0.005400	0.014212
2453.4	0.010000	0.540154	0.005402	0.014215
2453.5	0.011000	0.540275	0.005943	0.015640
2453.6	0.011000	0.540395	0.005944	0.015644
2453.7	0.010000	0.540517	0.005405	0.014225
2453.8	0.010000	0.540639	0.005406	0.014228
2453.9	0.010000	0.540760	0.005408	0.014231
2454.0	0.010000	0.540871	0.005409	0.014234
2454.1	0.010000	0.540822	0.005408	0.014233
2454.2	0.010000	0.540773	0.005408	0.014231
2454.3	0.010000	0.540724	0.005407	0.014230
2454.4	0.010000	0.540674	0.005407	0.014229
2454.5	0.010000	0.540625	0.005406	0.014227
2454.6	0.010000	0.540585	0.005406	0.014226
2454.7	0.010000	0.540630	0.005406	0.014228
2454.8	0.010000	0.540675	0.005407	0.014229
2454.9	0.010000	0.540720	0.005407	0.014230
2455.0	0.010000	0.540765	0.005408	0.014231
2455.1	0.010000	0.540758	0.005408	0.014231
2455.2	0.010000	0.540750	0.005408	0.014231
2455.3	0.010000	0.540743	0.005407	0.014231
2455.4	0.010000	0.540735	0.005407	0.014230
2455.5	0.011000	0.540727	0.005948	0.015653
2455.6	0.011000	0.540720	0.005948	0.015653

2455.7	0.011000	0.540712	0.005948	0.015653
2455.8	0.011000	0.540704	0.005948	0.015652
2455.9	0.011000	0.540696	0.005948	0.015652
2456.0	0.011000	0.540688	0.005948	0.015652
2456.1	0.011000	0.540535	0.005946	0.015648
2456.2	0.011000	0.540382	0.005944	0.015643
2456.3	0.011000	0.540229	0.005943	0.015639
2456.4	0.011000	0.540076	0.005941	0.015634
2456.5	0.011000	0.539923	0.005939	0.015630
2456.6	0.011000	0.539770	0.005937	0.015625
2456.7	0.010000	0.539617	0.005396	0.014201
2456.8	0.009000	0.539464	0.004855	0.012777
2456.9	0.008000	0.539311	0.004314	0.011354
2457.0	0.008000	0.539158	0.004313	0.011351
2457.1	0.008000	0.538972	0.004312	0.011347
2457.2	0.007000	0.538786	0.003772	0.009925
2457.3	0.005000	0.538600	0.002693	0.007087
2457.4	0.006000	0.538414	0.003230	0.008502
2457.5	0.006000	0.538228	0.003229	0.008499
2457.6	0.006000	0.538042	0.003228	0.008496
2457.7	0.005000	0.537856	0.002689	0.007077
2457.8	0.004000	0.537670	0.002151	0.005660
2457.9	0.004000	0.537484	0.002150	0.005658
2458.0	0.004000	0.537299	0.002149	0.005656
2458.1	0.005000	0.537284	0.002686	0.007070
2458.2	0.005000	0.537269	0.002686	0.007070
2458.3	0.004000	0.537254	0.002149	0.005655
2458.4	0.004000	0.537240	0.002149	0.005655
2458.5	0.004000	0.537225	0.002149	0.005655
2458.6	0.004000	0.537210	0.002149	0.005655
2458.7	0.004000	0.537750	0.002151	0.005661
2458.8	0.004000	0.537735	0.002151	0.005661
2458.9	0.004000	0.537721	0.002151	0.005660
2459.0	0.005000	0.537706	0.002689	0.007075
2459.1	0.006000	0.537699	0.003226	0.008490
2459.2	0.006000	0.537692	0.003226	0.008490
2459.3	0.006000	0.537685	0.003226	0.008490
2459.4	0.006000	0.537678	0.003226	0.008490
2459.5	0.006000	0.537671	0.003226	0.008490
2459.6	0.006000	0.537665	0.003226	0.008490
2459.7	0.006000	0.537657	0.003226	0.008490
2459.8	0.006000	0.537650	0.003226	0.008489
2459.9	0.006000	0.537643	0.003226	0.008489

2460.0	0.006000	0.537637	0.003226	0.008489
2460.1	0.006000	0.537717	0.003226	0.008491
2460.2	0.006000	0.537797	0.003227	0.008492
2460.3	0.006000	0.537878	0.003227	0.008493
2460.4	0.006000	0.537958	0.003228	0.008494
2460.5	0.006000	0.538038	0.003228	0.008496
2460.6	0.006000	0.538118	0.003229	0.008497
2460.7	0.006000	0.538199	0.003229	0.008498
2460.8	0.006000	0.538279	0.003230	0.008499
2460.9	0.006000	0.538359	0.003230	0.008501
2461.0	0.006000	0.538440	0.003231	0.008502
2461.1	0.006000	0.538531	0.003231	0.008503
2461.2	0.006000	0.538622	0.003232	0.008505
2461.3	0.007000	0.538714	0.003771	0.009924
2461.4	0.008000	0.538805	0.004310	0.011344
2461.5	0.008000	0.538896	0.004311	0.011346
2461.6	0.008000	0.538987	0.004312	0.011347
2461.7	0.008000	0.539078	0.004313	0.011349
2461.8	0.008000	0.539170	0.004313	0.011351
2461.9	0.008000	0.539261	0.004314	0.011353
2462.0	0.008000	0.539352	0.004315	0.011355
2462.1	0.008000	0.539186	0.004313	0.011352
2462.2	0.008000	0.539020	0.004312	0.011348
2462.3	0.008000	0.538854	0.004311	0.011345
2462.4	0.008000	0.538688	0.004310	0.011341
2462.5	0.008000	0.538522	0.004308	0.011338
2462.6	0.008000	0.538356	0.004307	0.011334
2462.7	0.008000	0.538190	0.004306	0.011331
2462.8	0.008000	0.538024	0.004304	0.011327
2462.9	0.007000	0.537858	0.003765	0.009908
2463.0	0.006000	0.537692	0.003226	0.008490
2463.1	0.006000	0.537504	0.003225	0.008487
2463.2	0.006000	0.537316	0.003224	0.008484
2463.3	0.006000	0.537129	0.003223	0.008481
2463.4	0.006000	0.536941	0.003222	0.008478
2463.5	0.006000	0.536753	0.003221	0.008475
2463.6	0.005000	0.536565	0.002683	0.007060
2463.7	0.004000	0.536378	0.002146	0.005646
2463.8	0.004000	0.536190	0.002145	0.005644
2463.9	0.003000	0.536003	0.001608	0.004232
2464.0	0.003000	0.535815	0.001607	0.004230
2464.1	0.003000	0.535813	0.001607	0.004230
2464.2	0.003000	0.535258	0.001606	0.004226

2464.3	0.003000	0.535255	0.001606	0.004226
2464.4	0.003000	0.535253	0.001606	0.004226
2464.5	0.003000	0.535251	0.001606	0.004226
2464.6	0.003000	0.535248	0.001606	0.004226
2464.7	0.003000	0.535246	0.001606	0.004226
2464.8	0.003000	0.535244	0.001606	0.004226
2464.9	0.003000	0.535242	0.001606	0.004226
2465.0	0.003000	0.535240	0.001606	0.004226
2465.1	0.003000	0.535244	0.001606	0.004226
2465.2	0.003000	0.535249	0.001606	0.004226
2465.3	0.003000	0.535253	0.001606	0.004226
2465.4	0.004000	0.535258	0.002141	0.005634
2465.5	0.006000	0.535263	0.003212	0.008452
2465.6	0.006000	0.535267	0.003212	0.008452
2465.7	0.006000	0.535272	0.003212	0.008452
2465.8	0.006000	0.535277	0.003212	0.008452
2465.9	0.006000	0.535281	0.003212	0.008452
2466.0	0.006000	0.535286	0.003212	0.008452
2466.1	0.006000	0.535334	0.003212	0.008453
2466.2	0.006000	0.535381	0.003212	0.008454
2466.3	0.006000	0.535429	0.003213	0.008454
2466.4	0.005000	0.535476	0.002677	0.007046
2466.5	0.006000	0.535524	0.003213	0.008456
2466.6	0.007000	0.535572	0.003749	0.009866
2466.7	0.007000	0.535619	0.003749	0.009867
2466.8	0.007000	0.535667	0.003750	0.009868
2466.9	0.007000	0.535715	0.003750	0.009869
2467.0	0.007000	0.535763	0.003750	0.009870
2467.1	0.008000	0.535818	0.004287	0.011281
2467.2	0.007000	0.535874	0.003751	0.009872
2467.3	0.007000	0.535930	0.003752	0.009873
2467.4	0.008000	0.535985	0.004288	0.011284
2467.5	0.008000	0.536041	0.004288	0.011285
2467.6	0.008000	0.536097	0.004289	0.011287
2467.7	0.008000	0.536153	0.004289	0.011288
2467.8	0.008000	0.536209	0.004290	0.011289
2467.9	0.008000	0.536264	0.004290	0.011290
2468.0	0.008000	0.536320	0.004291	0.011291
2468.1	0.008000	0.536210	0.004290	0.011289
2468.2	0.008000	0.536099	0.004289	0.011287
2468.3	0.008000	0.535989	0.004288	0.011284
2468.4	0.008000	0.535879	0.004287	0.011282
2468.5	0.008000	0.535768	0.004286	0.011280

2468.6	0.008000	0.535876	0.004287	0.011282
2468.7	0.007000	0.536092	0.003753	0.009876
2468.8	0.006000	0.535982	0.003216	0.008463
2468.9	0.005000	0.535318	0.002677	0.007044
2469.0	0.005000	0.535207	0.002676	0.007042
2469.1	0.004000	0.535086	0.002140	0.005633
2469.2	0.003000	0.534966	0.001605	0.004224
2469.3	0.003000	0.534845	0.001605	0.004223
2469.4	0.003000	0.534724	0.001604	0.004222
2469.5	0.003000	0.534604	0.001604	0.004221
2469.6	0.003000	0.534483	0.001603	0.004220
2469.7	0.003000	0.534362	0.001603	0.004219
2469.8	0.003000	0.534241	0.001603	0.004218
2469.9	0.003000	0.534120	0.001602	0.004217
2470.0	0.003000	0.533999	0.001602	0.004216
2470.1	0.003000	0.534127	0.001602	0.004217
2470.2	0.003000	0.534254	0.001603	0.004218
2470.3	0.003000	0.534382	0.001603	0.004219
2470.4	0.003000	0.534509	0.001604	0.004220
2470.5	0.003000	0.534636	0.001604	0.004221
2470.6	0.004000	0.534764	0.002139	0.005629
2470.7	0.004000	0.534891	0.002140	0.005631
2470.8	0.004000	0.535018	0.002140	0.005632
2470.9	0.004000	0.535146	0.002141	0.005633
2471.0	0.004000	0.535273	0.002141	0.005635
2471.1	0.004000	0.535419	0.002142	0.005636
2471.2	0.004000	0.535564	0.002142	0.005638
2471.3	0.004000	0.535710	0.002143	0.005639
2471.4	0.004000	0.535855	0.002143	0.005641
2471.5	0.004000	0.536001	0.002144	0.005642
2471.6	0.004000	0.536146	0.002145	0.005644
2471.7	0.005000	0.536292	0.002681	0.007057
2471.8	0.006000	0.536437	0.003219	0.008470
2471.9	0.006000	0.536583	0.003219	0.008473
2472.0	0.005000	0.536728	0.002684	0.007062
2472.1	0.005000	0.537191	0.002686	0.007069
2472.2	0.007000	0.537795	0.003765	0.009907
2472.3	0.008000	0.538056	0.004304	0.011328
2472.4	0.008000	0.538316	0.004307	0.011333
2472.5	0.008000	0.538577	0.004309	0.011339
2472.6	0.008000	0.538838	0.004311	0.011344
2472.7	0.009000	0.539099	0.004852	0.012769
2472.8	0.010000	0.539360	0.005394	0.014194

2472.9	0.011000	0.539620	0.005936	0.015621
2473.0	0.010000	0.539881	0.005399	0.014208
2473.1	0.009000	0.540114	0.004861	0.012793
2473.2	0.009000	0.539789	0.004858	0.012785
2473.3	0.009000	0.540021	0.004860	0.012790
2473.4	0.009000	0.540253	0.004862	0.012796
2473.5	0.010000	0.540486	0.005405	0.014224
2473.6	0.009000	0.540718	0.004866	0.012807
2473.7	0.008000	0.540950	0.004328	0.011389
2473.8	0.009000	0.541183	0.004871	0.012818
2473.9	0.010000	0.541416	0.005414	0.014248
2474.0	0.010000	0.541648	0.005416	0.014254
2474.1	0.009000	0.541504	0.004874	0.012825
2474.2	0.008000	0.541360	0.004331	0.011397
2474.3	0.008000	0.541216	0.004330	0.011394
2474.4	0.008000	0.541072	0.004329	0.011391
2474.5	0.008000	0.540929	0.004327	0.011388
2474.6	0.008000	0.540785	0.004326	0.011385
2474.7	0.008000	0.540641	0.004325	0.011382
2474.8	0.008000	0.540497	0.004324	0.011379
2474.9	0.008000	0.540353	0.004323	0.011376
2475.0	0.008000	0.540210	0.004322	0.011373
2475.1	0.008000	0.540027	0.004320	0.011369
2475.2	0.007000	0.539845	0.003779	0.009945
2475.3	0.006000	0.539662	0.003238	0.008521
2475.4	0.005000	0.539480	0.002697	0.007099
2475.5	0.006000	0.539297	0.003236	0.008515
2475.6	0.005000	0.539115	0.002696	0.007094
2475.7	0.006000	0.538932	0.003234	0.008510
2475.8	0.006000	0.538750	0.003232	0.008507
2475.9	0.005000	0.538567	0.002693	0.007087
2476.0	0.004000	0.538385	0.002154	0.005667
2476.1	0.004000	0.538284	0.002153	0.005666
2476.2	0.004000	0.538183	0.002153	0.005665
2476.3	0.004000	0.538081	0.002152	0.005664
2476.4	0.004000	0.537980	0.002152	0.005663
2476.5	0.004000	0.537879	0.002152	0.005662
2476.6	0.004000	0.537777	0.002151	0.005661
2476.7	0.004000	0.537676	0.002151	0.005660
2476.8	0.004000	0.537575	0.002150	0.005659
2476.9	0.004000	0.537473	0.002150	0.005658
2477.0	0.004000	0.537372	0.002149	0.005657
2477.1	0.004000	0.537278	0.002149	0.005656

2477.2	0.004000	0.537184	0.002149	0.005655
2477.3	0.004000	0.537090	0.002148	0.005654
2477.4	0.004000	0.536996	0.002148	0.005653
2477.5	0.004000	0.536902	0.002148	0.005652
2477.6	0.004000	0.536808	0.002147	0.005651
2477.7	0.004000	0.536714	0.002147	0.005650
2477.8	0.004000	0.536620	0.002146	0.005649
2477.9	0.004000	0.536526	0.002146	0.005648
2478.0	0.004000	0.536432	0.002146	0.005647
2478.1	0.004000	0.536602	0.002146	0.005649
2478.2	0.004000	0.536771	0.002147	0.005650
2478.3	0.004000	0.536941	0.002148	0.005652
2478.4	0.004000	0.537111	0.002148	0.005654
2478.5	0.004000	0.537281	0.002149	0.005656
2478.6	0.004000	0.537450	0.002150	0.005658
2478.7	0.004000	0.537620	0.002150	0.005659
2478.8	0.004000	0.537789	0.002151	0.005661
2478.9	0.004000	0.537959	0.002152	0.005663
2479.0	0.004000	0.538129	0.002153	0.005665
2479.1	0.004000	0.538334	0.002153	0.005667
2479.2	0.004000	0.538540	0.002154	0.005669
2479.3	0.004000	0.538745	0.002155	0.005671
2479.4	0.004000	0.538951	0.002156	0.005673
2479.5	0.004000	0.539156	0.002157	0.005676
2479.6	0.004000	0.539362	0.002157	0.005678
2479.7	0.004000	0.539568	0.002158	0.005680
2479.8	0.004000	0.539773	0.002159	0.005682
2479.9	0.004000	0.539979	0.002160	0.005684
2480.0	0.004000	0.540184	0.002161	0.005686
2480.1	0.005000	0.540196	0.002701	0.007108
2480.2	0.005000	0.540208	0.002701	0.007108
2480.3	0.004000	0.540220	0.002161	0.005687
2480.4	0.004000	0.540232	0.002161	0.005687
2480.5	0.004000	0.540244	0.002161	0.005687
2480.6	0.004000	0.540256	0.002161	0.005687
2480.7	0.004000	0.540268	0.002161	0.005687
2480.8	0.003000	0.540280	0.001621	0.004265
2480.9	0.003000	0.540291	0.001621	0.004266
2481.0	0.003000	0.540303	0.001621	0.004266
2481.1	0.003000	0.540308	0.001621	0.004266
2481.2	0.003000	0.540313	0.001621	0.004266
2481.3	0.003000	0.540319	0.001621	0.004266
2481.4	0.002000	0.540324	0.001081	0.002844

2481.5	0.001000	0.540329	0.000540	0.001422
2481.6	0.000000	0.540334	0.000000	0.000000
CHANNEL 18				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2450.1	0.000127	0.543206	0.000069	0.000168
2450.2	0.000248	0.542994	0.000135	0.000328
2450.3	0.000363	0.542782	0.000197	0.000480
2450.4	0.000472	0.542571	0.000256	0.000624
2450.5	0.000575	0.542359	0.000312	0.000760
2450.6	0.000672	0.542148	0.000365	0.000888
2450.7	0.000763	0.541936	0.000414	0.001008
2450.8	0.000848	0.541725	0.000460	0.001119
2450.9	0.000927	0.541513	0.000502	0.001223
2451.0	0.001000	0.541302	0.000541	0.001319
2451.1	0.001040	0.541111	0.000563	0.001370
2451.2	0.001079	0.540919	0.000584	0.001422
2451.3	0.001119	0.540727	0.000605	0.001474
2451.4	0.001159	0.540536	0.000626	0.001526
2451.5	0.001198	0.540345	0.000647	0.001577
2451.6	0.001238	0.540153	0.000669	0.001629
2451.7	0.001278	0.539962	0.000690	0.001680
2451.8	0.001317	0.539770	0.000711	0.001732
2451.9	0.001357	0.539579	0.000732	0.001783
2452.0	0.001397	0.539388	0.000753	0.001835
2452.1	0.001436	0.539472	0.000775	0.001887
2452.2	0.001476	0.539556	0.000796	0.001940
2452.3	0.001515	0.539640	0.000818	0.001992
2452.4	0.001555	0.539724	0.000839	0.002045
2452.5	0.001595	0.539808	0.000861	0.002097
2452.6	0.001634	0.539892	0.000882	0.002150
2452.7	0.001674	0.539419	0.000903	0.002200
2452.8	0.001714	0.539503	0.000925	0.002252
2452.9	0.001753	0.539586	0.000946	0.002305
2453.0	0.001793	0.539670	0.000968	0.002357
2453.1	0.001833	0.539791	0.000989	0.002410
2453.2	0.001872	0.539912	0.001011	0.002462
2453.3	0.001912	0.540033	0.001032	0.002515
2453.4	0.001951	0.540154	0.001054	0.002568
2453.5	0.001991	0.540275	0.001076	0.002621
2453.6	0.002031	0.540395	0.001097	0.002673

2453.7	0.002070	0.540517	0.001119	0.002726
2453.8	0.002110	0.540639	0.001141	0.002779
2453.9	0.002150	0.540760	0.001163	0.002832
2454.0	0.002189	0.540871	0.001184	0.002885
2454.1	0.002229	0.540822	0.001206	0.002937
2454.2	0.002269	0.540773	0.001227	0.002989
2454.3	0.002308	0.540724	0.001248	0.003041
2454.4	0.002348	0.540674	0.001270	0.003093
2454.5	0.002388	0.540625	0.001291	0.003145
2454.6	0.002427	0.540585	0.001312	0.003197
2454.7	0.002467	0.540630	0.001334	0.003249
2454.8	0.002507	0.540675	0.001355	0.003302
2454.9	0.002546	0.540720	0.001377	0.003354
2455.0	0.002586	0.540765	0.001398	0.003407
2455.1	0.002626	0.540758	0.001420	0.003459
2455.2	0.002665	0.540750	0.001441	0.003511
2455.3	0.002705	0.540743	0.001463	0.003563
2455.4	0.002745	0.540735	0.001484	0.003615
2455.5	0.002784	0.540727	0.001505	0.003667
2455.6	0.002824	0.540720	0.001527	0.003720
2455.7	0.002863	0.540712	0.001548	0.003772
2455.8	0.002903	0.540704	0.001570	0.003824
2455.9	0.002943	0.540696	0.001591	0.003876
2456.0	0.002982	0.540688	0.001613	0.003928
2456.1	0.003022	0.540535	0.001633	0.003979
2456.2	0.003062	0.540382	0.001654	0.004030
2456.3	0.003101	0.540229	0.001675	0.004081
2456.4	0.003141	0.540076	0.001696	0.004133
2456.5	0.003181	0.539923	0.001717	0.004183
2456.6	0.003220	0.539770	0.001738	0.004234
2456.7	0.003260	0.539617	0.001759	0.004285
2456.8	0.003300	0.539464	0.001780	0.004336
2456.9	0.003339	0.539311	0.001801	0.004387
2457.0	0.003379	0.539158	0.001822	0.004438
2457.1	0.003419	0.538972	0.001842	0.004488
2457.2	0.003458	0.538786	0.001863	0.004539
2457.3	0.003498	0.538600	0.001884	0.004589
2457.4	0.003537	0.538414	0.001905	0.004640
2457.5	0.003577	0.538228	0.001925	0.004690
2457.6	0.003617	0.538042	0.001946	0.004740
2457.7	0.003656	0.537856	0.001967	0.004791
2457.8	0.003696	0.537670	0.001987	0.004841
2457.9	0.003736	0.537484	0.002008	0.004891

2458.0	0.003775	0.537299	0.002028	0.004941
2458.1	0.003815	0.537284	0.002050	0.004993
2458.2	0.003855	0.537269	0.002071	0.005045
2458.3	0.003894	0.537254	0.002092	0.005097
2458.4	0.003934	0.537240	0.002113	0.005149
2458.5	0.003974	0.537225	0.002135	0.005200
2458.6	0.004013	0.537210	0.002156	0.005252
2458.7	0.004053	0.537750	0.002179	0.005309
2458.8	0.004092	0.537735	0.002201	0.005361
2458.9	0.004132	0.537721	0.002222	0.005413
2459.0	0.004172	0.537706	0.002243	0.005465
2459.1	0.004212	0.537699	0.002265	0.005517
2459.2	0.004251	0.537692	0.002286	0.005568
2459.3	0.004291	0.537685	0.002307	0.005620
2459.4	0.004330	0.537678	0.002328	0.005672
2459.5	0.004370	0.537671	0.002350	0.005724
2459.6	0.004410	0.537665	0.002371	0.005776
2459.7	0.004449	0.537657	0.002392	0.005828
2459.8	0.004489	0.537650	0.002414	0.005879
2459.9	0.004529	0.537643	0.002435	0.005931
2460.0	0.004568	0.537637	0.002456	0.005983
2460.1	0.004608	0.537717	0.002478	0.006036
2460.2	0.004648	0.537797	0.002499	0.006089
2460.3	0.004687	0.537878	0.002521	0.006142
2460.4	0.004727	0.537958	0.002543	0.006195
2460.5	0.004766	0.538038	0.002565	0.006247
2460.6	0.004806	0.538118	0.002586	0.006300
2460.7	0.004846	0.538199	0.002608	0.006353
2460.8	0.004886	0.538279	0.002630	0.006406
2460.9	0.004925	0.538359	0.002651	0.006459
2461.0	0.004965	0.538440	0.002673	0.006512
2461.1	0.005004	0.538531	0.002695	0.006565
2461.2	0.005044	0.538622	0.002717	0.006618
2461.3	0.005084	0.538714	0.002739	0.006672
2461.4	0.005123	0.538805	0.002760	0.006725
2461.5	0.005163	0.538896	0.002782	0.006778
2461.6	0.005203	0.538987	0.002804	0.006831
2461.7	0.005242	0.539078	0.002826	0.006884
2461.8	0.005282	0.539170	0.002848	0.006938
2461.9	0.005322	0.539261	0.002870	0.006991
2462.0	0.005361	0.539352	0.002892	0.007044
2462.1	0.005401	0.539186	0.002912	0.007094
2462.2	0.005441	0.539020	0.002933	0.007144

2462.3	0.005480	0.538854	0.002953	0.007194
2462.4	0.005520	0.538688	0.002973	0.007244
2462.5	0.005560	0.538522	0.002994	0.007293
2462.6	0.005599	0.538356	0.003014	0.007343
2462.7	0.005639	0.538190	0.003035	0.007393
2462.8	0.005678	0.538024	0.003055	0.007442
2462.9	0.005718	0.537858	0.003076	0.007492
2463.0	0.005758	0.537692	0.003096	0.007542
2463.1	0.005797	0.537504	0.003116	0.007591
2463.2	0.005837	0.537316	0.003136	0.007640
2463.3	0.005877	0.537129	0.003157	0.007690
2463.4	0.005916	0.536941	0.003177	0.007739
2463.5	0.005956	0.536753	0.003197	0.007788
2463.6	0.005996	0.536565	0.003217	0.007837
2463.7	0.006035	0.536378	0.003237	0.007886
2463.8	0.006075	0.536190	0.003257	0.007935
2463.9	0.006115	0.536003	0.003277	0.007984
2464.0	0.006154	0.535815	0.003298	0.008033
2464.1	0.006194	0.535813	0.003319	0.008085
2464.2	0.006234	0.535258	0.003337	0.008128
2464.3	0.006273	0.535255	0.003358	0.008180
2464.4	0.006313	0.535253	0.003379	0.008231
2464.5	0.006352	0.535251	0.003400	0.008283
2464.6	0.006392	0.535248	0.003421	0.008335
2464.7	0.006432	0.535246	0.003443	0.008386
2464.8	0.006471	0.535244	0.003464	0.008438
2464.9	0.006511	0.535242	0.003485	0.008490
2465.0	0.006551	0.535240	0.003506	0.008541
2465.1	0.006590	0.535244	0.003527	0.008593
2465.2	0.006630	0.535249	0.003549	0.008645
2465.3	0.006670	0.535253	0.003570	0.008697
2465.4	0.006709	0.535258	0.003591	0.008748
2465.5	0.006749	0.535263	0.003612	0.008800
2465.6	0.006789	0.535267	0.003634	0.008852
2465.7	0.006828	0.535272	0.003655	0.008904
2465.8	0.006868	0.535277	0.003676	0.008955
2465.9	0.006907	0.535281	0.003697	0.009007
2466.0	0.006947	0.535286	0.003719	0.009059
2466.1	0.006987	0.535334	0.003740	0.009112
2466.2	0.007026	0.535381	0.003762	0.009164
2466.3	0.007066	0.535429	0.003783	0.009217
2466.4	0.007106	0.535476	0.003805	0.009269
2466.5	0.007145	0.535524	0.003827	0.009322

2466.6	0.007185	0.535572	0.003848	0.009374
2466.7	0.007225	0.535619	0.003870	0.009427
2466.8	0.007264	0.535667	0.003891	0.009479
2466.9	0.007304	0.535715	0.003913	0.009532
2467.0	0.007337	0.535763	0.003931	0.009575
2467.1	0.007369	0.535818	0.003949	0.009619
2467.2	0.007402	0.535874	0.003967	0.009663
2467.3	0.007436	0.535930	0.003985	0.009708
2467.4	0.007469	0.535985	0.004003	0.009752
2467.5	0.007503	0.536041	0.004022	0.009797
2467.6	0.007537	0.536097	0.004040	0.009843
2467.7	0.007571	0.536153	0.004059	0.009888
2467.8	0.007605	0.536209	0.004078	0.009934
2467.9	0.007639	0.536264	0.004097	0.009980
2468.0	0.007674	0.536320	0.004116	0.010026
2468.1	0.007709	0.536210	0.004134	0.010070
2468.2	0.007744	0.536099	0.004152	0.010114
2468.3	0.007779	0.535989	0.004170	0.010158
2468.4	0.007815	0.535879	0.004188	0.010202
2468.5	0.007851	0.535768	0.004206	0.010247
2468.6	0.007887	0.535876	0.004226	0.010296
2468.7	0.007923	0.536092	0.004247	0.010347
2468.8	0.007959	0.535982	0.004266	0.010392
2468.9	0.007996	0.535318	0.004280	0.010427
2469.0	0.008033	0.535207	0.004299	0.010473
2469.1	0.008070	0.535086	0.004318	0.010519
2469.2	0.008107	0.534966	0.004337	0.010565
2469.3	0.008144	0.534845	0.004356	0.010611
2469.4	0.008182	0.534724	0.004375	0.010658
2469.5	0.008220	0.534604	0.004394	0.010705
2469.6	0.008258	0.534483	0.004414	0.010752
2469.7	0.008296	0.534362	0.004433	0.010800
2469.8	0.008335	0.534241	0.004453	0.010847
2469.9	0.008373	0.534120	0.004472	0.010895
2470.0	0.008412	0.533999	0.004492	0.010943
2470.1	0.008451	0.534127	0.004514	0.010997
2470.2	0.008491	0.534254	0.004536	0.011051
2470.3	0.008530	0.534382	0.004558	0.011105
2470.4	0.008570	0.534509	0.004581	0.011159
2470.5	0.008610	0.534636	0.004603	0.011214
2470.6	0.008650	0.534764	0.004626	0.011269
2470.7	0.008691	0.534891	0.004648	0.011324
2470.8	0.008731	0.535018	0.004671	0.011380

2470.9	0.008772	0.535146	0.004694	0.011436
2471.0	0.008813	0.535273	0.004717	0.011492
2471.1	0.008854	0.535419	0.004741	0.011549
2471.2	0.008896	0.535564	0.004764	0.011606
2471.3	0.008937	0.535710	0.004788	0.011663
2471.4	0.008979	0.535855	0.004811	0.011721
2471.5	0.009021	0.536001	0.004835	0.011779
2471.6	0.009064	0.536146	0.004859	0.011838
2471.7	0.009106	0.536292	0.004883	0.011897
2471.8	0.009149	0.536437	0.004908	0.011956
2471.9	0.009192	0.536583	0.004932	0.012015
2472.0	0.009235	0.536728	0.004957	0.012074
2472.1	0.009278	0.537191	0.004984	0.012142
2472.2	0.009322	0.537795	0.005013	0.012212
2472.3	0.009365	0.538056	0.005039	0.012276
2472.4	0.009409	0.538316	0.005065	0.012339
2472.5	0.009454	0.538577	0.005091	0.012403
2472.6	0.009498	0.538838	0.005118	0.012467
2472.7	0.009542	0.539099	0.005144	0.012532
2472.8	0.009587	0.539360	0.005171	0.012597
2472.9	0.009632	0.539620	0.005198	0.012662
2473.0	0.009678	0.539881	0.005225	0.012728
2473.1	0.009723	0.540114	0.005251	0.012793
2473.2	0.009769	0.539789	0.005273	0.012845
2473.3	0.009814	0.540021	0.005300	0.012911
2473.4	0.009860	0.540253	0.005327	0.012977
2473.5	0.009907	0.540486	0.005354	0.013044
2473.6	0.009953	0.540718	0.005382	0.013111
2473.7	0.010000	0.540950	0.005410	0.013178
2473.8	0.010047	0.541183	0.005437	0.013246
2473.9	0.010094	0.541416	0.005465	0.013313
2474.0	0.010141	0.541648	0.005493	0.013381
2474.1	0.010189	0.541504	0.005517	0.013441
2474.2	0.010237	0.541360	0.005542	0.013500
2474.3	0.010285	0.541216	0.005566	0.013560
2474.4	0.010333	0.541072	0.005591	0.013620
2474.5	0.010381	0.540929	0.005615	0.013679
2474.6	0.010430	0.540785	0.005640	0.013740
2474.7	0.010479	0.540641	0.005665	0.013801
2474.8	0.010528	0.540497	0.005690	0.013862
2474.9	0.010577	0.540353	0.005715	0.013923
2475.0	0.010626	0.540210	0.005740	0.013984
2475.1	0.010676	0.540027	0.005765	0.014045

2475.2	0.010726	0.539845	0.005790	0.014106
2475.3	0.010776	0.539662	0.005815	0.014167
2475.4	0.010826	0.539480	0.005840	0.014228
2475.5	0.010877	0.539297	0.005866	0.014290
2475.6	0.010927	0.539115	0.005891	0.014351
2475.7	0.010978	0.538932	0.005916	0.014413
2475.8	0.011029	0.538750	0.005942	0.014475
2475.9	0.011081	0.538567	0.005968	0.014538
2476.0	0.011132	0.538385	0.005993	0.014600
2476.1	0.011184	0.538284	0.006020	0.014666
2476.2	0.011236	0.538183	0.006047	0.014731
2476.3	0.011288	0.538081	0.006074	0.014796
2476.4	0.011341	0.537980	0.006101	0.014863
2476.5	0.011393	0.537879	0.006128	0.014928
2476.6	0.011446	0.537777	0.006155	0.014995
2476.7	0.011499	0.537676	0.006183	0.015062
2476.8	0.011552	0.537575	0.006210	0.015128
2476.9	0.011606	0.537473	0.006238	0.015196
2477.0	0.011659	0.537372	0.006265	0.015263
2477.1	0.011713	0.537278	0.006293	0.015331
2477.2	0.011767	0.537184	0.006321	0.015399
2477.3	0.011822	0.537090	0.006349	0.015468
2477.4	0.011876	0.536996	0.006377	0.015536
2477.5	0.011931	0.536902	0.006406	0.015605
2477.6	0.011986	0.536808	0.006434	0.015674
2477.7	0.012041	0.536714	0.006463	0.015743
2477.8	0.012096	0.536620	0.006491	0.015812
2477.9	0.012152	0.536526	0.006520	0.015883
2478.0	0.012208	0.536432	0.006549	0.015953
2478.1	0.012263	0.536602	0.006580	0.016030
2478.2	0.012320	0.536771	0.006613	0.016110
2478.3	0.012376	0.536941	0.006645	0.016188
2478.4	0.012433	0.537111	0.006678	0.016268
2478.5	0.012489	0.537281	0.006710	0.016346
2478.6	0.012547	0.537450	0.006743	0.016427
2478.7	0.012604	0.537620	0.006776	0.016507
2478.8	0.012661	0.537789	0.006809	0.016587
2478.9	0.012719	0.537959	0.006842	0.016668
2479.0	0.012777	0.538129	0.006876	0.016750
2479.1	0.012835	0.538334	0.006910	0.016832
2479.2	0.012893	0.538540	0.006943	0.016915
2479.3	0.012952	0.538745	0.006978	0.016999
2479.4	0.013010	0.538951	0.007012	0.017081

2479.5	0.013069	0.539156	0.007046	0.017165
2479.6	0.013119	0.539362	0.007076	0.017237
2479.7	0.013161	0.539568	0.007101	0.017299
2479.8	0.013199	0.539773	0.007124	0.017356
2479.9	0.013237	0.539979	0.007148	0.017412
2480.0	0.013277	0.540184	0.007172	0.017472
2480.1	0.013325	0.540196	0.007198	0.017535
2480.2	0.013385	0.540208	0.007231	0.017614
2480.3	0.013459	0.540220	0.007271	0.017712
2480.4	0.013553	0.540232	0.007322	0.017836
2480.5	0.013670	0.540244	0.007385	0.017991
2480.6	0.013813	0.540256	0.007463	0.018179
2480.7	0.013980	0.540268	0.007553	0.018400
2480.8	0.014168	0.540280	0.007655	0.018647
2480.9	0.014375	0.540291	0.007767	0.018920
2481.0	0.014598	0.540303	0.007887	0.019214
2481.1	0.014835	0.540308	0.008015	0.019526
2481.2	0.015082	0.540313	0.008149	0.019852
2481.3	0.015337	0.540319	0.008287	0.020187
2481.4	0.015597	0.540324	0.008427	0.020530
2481.5	0.015860	0.540329	0.008570	0.020876
2481.6	0.016123	0.540334	0.008712	0.021223
2481.7	0.016385	0.540339	0.008853	0.021568
2481.8	0.016646	0.540344	0.008995	0.021911
2481.9	0.016907	0.540350	0.009136	0.022255
2482.0	0.017166	0.540355	0.009276	0.022596
2482.1	0.017425	0.540466	0.009418	0.022942
2482.2	0.017681	0.540577	0.009558	0.023284
2482.3	0.017936	0.540689	0.009698	0.023625
2482.4	0.018189	0.540800	0.009837	0.023963
2482.5	0.018440	0.540911	0.009974	0.024298
2482.6	0.018700	0.541022	0.010117	0.024646
2482.7	0.019000	0.541133	0.010282	0.025047
2482.8	0.019300	0.541245	0.010446	0.025447
2482.9	0.019600	0.541356	0.010611	0.025848
2483.0	0.019900	0.541468	0.010775	0.026249
2483.1	0.020300	0.541526	0.010993	0.026780
2483.2	0.020600	0.541583	0.011157	0.027178
2483.3	0.020900	0.541641	0.011320	0.027577
2483.4	0.021271	0.541699	0.011522	0.028070
2483.5	0.021620	0.541756	0.011713	0.028533
2483.6	0.022000	0.541814	0.011920	0.029038
2483.7	0.022300	0.541872	0.012084	0.029437

2483.8	0.022700	0.541929	0.012302	0.029968
2483.9	0.023100	0.541987	0.012520	0.030499
2484.0	0.023500	0.542045	0.012738	0.031031
2484.1	0.023900	0.542015	0.012954	0.031557
2484.2	0.024300	0.541984	0.013170	0.032084
2484.3	0.024700	0.541954	0.013386	0.032610
2484.4	0.025100	0.541924	0.013602	0.033136
2484.5	0.025540	0.541893	0.013840	0.033715
2484.6	0.026000	0.541863	0.014088	0.034320
2484.7	0.026400	0.541833	0.014304	0.034847
2484.8	0.026900	0.541803	0.014574	0.035505
2484.9	0.027400	0.541772	0.014845	0.036162
2485.0	0.027800	0.541742	0.015060	0.036688
2485.1	0.028326	0.541744	0.015345	0.037382
2485.2	0.028800	0.541747	0.015602	0.038008
2485.3	0.029300	0.541749	0.015873	0.038668
2485.4	0.029900	0.541752	0.016198	0.039460
2485.5	0.030400	0.541754	0.016469	0.040121
2485.6	0.030900	0.541757	0.016740	0.040781
2485.7	0.031500	0.541759	0.017065	0.041573
2485.8	0.032100	0.541762	0.017391	0.042365
2485.9	0.032700	0.541764	0.017716	0.043157
2486.0	0.033300	0.541767	0.018041	0.043949
2486.1	0.033900	0.541640	0.018362	0.044730
2486.2	0.034500	0.541513	0.018682	0.045511
2486.3	0.035100	0.541387	0.019003	0.046292
2486.4	0.035800	0.541260	0.019377	0.047204
2486.5	0.036470	0.541133	0.019735	0.048076
2486.6	0.037200	0.541006	0.020125	0.049027
2486.7	0.037800	0.540880	0.020445	0.049806
2486.8	0.038600	0.540753	0.020873	0.050848
2486.9	0.039300	0.540626	0.021247	0.051758
2487.0	0.040000	0.540447	0.021618	0.052663
2487.1	0.040800	0.540258	0.022043	0.053697
2487.2	0.041600	0.540068	0.022467	0.054731
2487.3	0.042338	0.539879	0.022857	0.055682
2487.4	0.043100	0.539689	0.023261	0.056665
2487.5	0.043960	0.539500	0.023716	0.057775
2487.6	0.044800	0.539345	0.024163	0.058862
2487.7	0.045600	0.539247	0.024590	0.059902
2487.8	0.046500	0.539150	0.025070	0.061074
2487.9	0.047400	0.539052	0.025551	0.062244
2488.0	0.048318	0.538954	0.026041	0.063439

2488.1	0.049200	0.539020	0.026520	0.064604
2488.2	0.050200	0.539086	0.027062	0.065925
2488.3	0.051200	0.539152	0.027605	0.067247
2488.4	0.052200	0.539217	0.028147	0.068569
2488.5	0.053190	0.539283	0.028684	0.069877
2488.6	0.054200	0.539348	0.029233	0.071213
2488.7	0.055300	0.539414	0.029830	0.072667
2488.8	0.056400	0.539479	0.030427	0.074122
2488.9	0.057500	0.539545	0.031024	0.075576
2489.0	0.058674	0.539611	0.031661	0.077129
2489.1	0.059900	0.539621	0.032323	0.078742
2489.2	0.061100	0.539631	0.032971	0.080321
2489.3	0.062300	0.539641	0.033620	0.081900
2489.4	0.063600	0.539651	0.034322	0.083610
2489.5	0.064850	0.539661	0.034997	0.085255
2489.6	0.066200	0.539671	0.035726	0.087032
2489.7	0.067500	0.539681	0.036428	0.088742
2489.8	0.068900	0.539691	0.037185	0.090585
2489.9	0.070300	0.539701	0.037941	0.092427
2490.0	0.071800	0.539711	0.038751	0.094401
2490.1	0.073300	0.539753	0.039564	0.096381
2490.2	0.074800	0.539795	0.040377	0.098361
2490.3	0.076400	0.539837	0.041244	0.100472
2490.4	0.078000	0.539879	0.042111	0.102584
2490.5	0.079600	0.539921	0.042978	0.104697
2490.6	0.081300	0.539963	0.043899	0.106941
2490.7	0.083000	0.540005	0.044820	0.109186
2490.8	0.084700	0.540046	0.045742	0.111431
2490.9	0.086500	0.540088	0.046718	0.113808
2491.0	0.088400	0.540130	0.047748	0.116316
2491.1	0.090300	0.540121	0.048773	0.118815
2491.2	0.092200	0.540112	0.049798	0.121313
2491.3	0.094200	0.540104	0.050878	0.123942
2491.4	0.096200	0.540095	0.051957	0.126572
2491.5	0.098300	0.540087	0.053091	0.129332
2491.6	0.100440	0.540078	0.054245	0.132145
2491.7	0.102635	0.540069	0.055430	0.135031
2491.8	0.104886	0.540060	0.056644	0.137990
2491.9	0.107194	0.540051	0.057890	0.141025
2492.0	0.109562	0.540043	0.059168	0.144138
2492.1	0.111990	0.539908	0.060464	0.147295
2492.2	0.114479	0.539774	0.061793	0.150532
2492.3	0.117032	0.539640	0.063155	0.153850

2492.4	0.119648	0.539506	0.064551	0.157251
2492.5	0.122330	0.539465	0.065993	0.160763
2492.6	0.125079	0.539785	0.067516	0.164473
2492.7	0.127895	0.539651	0.069019	0.168135
2492.8	0.130781	0.539517	0.070559	0.171886
2492.9	0.133737	0.539382	0.072135	0.175727
2493.0	0.136764	0.539248	0.073750	0.179660
2493.1	0.139864	0.539141	0.075406	0.183695
2493.2	0.143037	0.539033	0.077102	0.187826
2493.3	0.146285	0.538926	0.078837	0.192052
2493.4	0.149609	0.538819	0.080612	0.196377
2493.5	0.153010	0.538712	0.082428	0.200801
2493.6	0.156489	0.538604	0.084286	0.205326
2493.7	0.160048	0.538497	0.086186	0.209955
2493.8	0.163689	0.538390	0.088129	0.214688
2493.9	0.167413	0.538283	0.090116	0.219528
2494.0	0.171222	0.538176	0.092147	0.224478
2494.1	0.175117	0.538083	0.094228	0.229545
2494.2	0.179101	0.537432	0.096255	0.234484
2494.3	0.183175	0.537420	0.098442	0.239812
2494.4	0.187341	0.537790	0.100750	0.245434
2494.5	0.191600	0.537696	0.103023	0.250971
2494.6	0.195954	0.537603	0.105346	0.256630
2494.7	0.200404	0.537509	0.107719	0.262411
2494.8	0.204950	0.537416	0.110143	0.268317
2494.9	0.209592	0.537322	0.112618	0.274347
2495.0	0.214331	0.537229	0.115145	0.280501
2495.1	0.219166	0.537177	0.117731	0.286802
2495.2	0.224100	0.537125	0.120370	0.293230
2495.3	0.229131	0.537074	0.123061	0.299785
2495.4	0.234261	0.537022	0.125804	0.306467
2495.5	0.239490	0.536970	0.128599	0.313277
2495.6	0.244818	0.536919	0.131447	0.320215
2495.7	0.250244	0.536867	0.134348	0.327281
2495.8	0.255768	0.536816	0.137300	0.334474
2495.9	0.261391	0.536764	0.140305	0.341794
2496.0	0.267110	0.536712	0.143361	0.349239
2496.1	0.272926	0.537044	0.146574	0.357064
2496.2	0.278839	0.537377	0.149842	0.365025
2496.3	0.284847	0.537709	0.153165	0.373122
2496.4	0.290951	0.538042	0.156544	0.381353
2496.5	0.297150	0.538374	0.159978	0.389718
2496.6	0.303443	0.538707	0.163467	0.398217

2496.7	0.309828	0.539039	0.167010	0.406848
2496.8	0.316304	0.539372	0.170605	0.415608
2496.9	0.322868	0.539705	0.174253	0.424494
2497.0	0.329518	0.540037	0.177952	0.433505
2497.1	0.336252	0.540350	0.181694	0.442620
2497.2	0.343069	0.540662	0.185484	0.451854
2497.3	0.349965	0.540974	0.189322	0.461203
2497.4	0.356940	0.541286	0.193207	0.470666
2497.5	0.363990	0.541599	0.197137	0.480239
2497.6	0.371114	0.541911	0.201111	0.489921
2497.7	0.378307	0.542224	0.205127	0.499705
2497.8	0.385564	0.542536	0.209183	0.509584
2497.9	0.392882	0.543410	0.213496	0.520092
2498.0	0.400254	0.543723	0.217628	0.530157
2498.1	0.407677	0.543735	0.221669	0.540001
2498.2	0.415146	0.543748	0.225735	0.549906
2498.3	0.422656	0.543760	0.229823	0.559866
2498.4	0.430202	0.543771	0.233932	0.569875
2498.5	0.437780	0.543783	0.238057	0.579926
2498.6	0.445385	0.543795	0.242198	0.590013
2498.7	0.453010	0.543807	0.246350	0.600127
2498.8	0.460650	0.543819	0.250510	0.610262
2498.9	0.468299	0.543831	0.254675	0.620408
2499.0	0.475949	0.543843	0.258841	0.630557
2499.1	0.483595	0.543832	0.262994	0.640674
2499.2	0.491230	0.543822	0.267142	0.650777
2499.3	0.498848	0.543812	0.271280	0.660858
2499.4	0.506444	0.543801	0.275405	0.670907
2499.5	0.514010	0.543791	0.279514	0.680917
2499.6	0.521540	0.543780	0.283603	0.690879
2499.7	0.529028	0.544333	0.287967	0.701510
2499.8	0.536467	0.544323	0.292011	0.711361
2499.9	0.543849	0.544312	0.296024	0.721136
2500.0	0.551168	0.544302	0.300002	0.730828
2500.1	0.558418	0.544207	0.303895	0.740311
2500.2	0.565591	0.544111	0.307744	0.749688
2500.3	0.572680	0.544015	0.311547	0.758951
2500.4	0.579679	0.543919	0.315298	0.768089
2500.5	0.586580	0.543822	0.318995	0.777096
2500.6	0.593378	0.543725	0.322634	0.785961
2500.7	0.600067	0.543628	0.326213	0.794680
2500.8	0.606643	0.543532	0.329729	0.803246
2500.9	0.613101	0.543435	0.333180	0.811652

2501.0	0.619437	0.543338	0.336564	0.819895
2501.1	0.625647	0.543260	0.339889	0.827996
2501.2	0.631726	0.543183	0.343143	0.835921
2501.3	0.637669	0.543105	0.346321	0.843665
2501.4	0.643472	0.543028	0.349423	0.851221
2501.5	0.649130	0.542950	0.352445	0.858584
2501.6	0.654640	0.542873	0.355386	0.865748
2501.7	0.660000	0.542796	0.358245	0.872712
2501.8	0.665209	0.542718	0.361021	0.879474
2501.9	0.670265	0.542641	0.363713	0.886033
2502.0	0.675168	0.542563	0.366322	0.892387
2502.1	0.679917	0.542589	0.368916	0.898707
2502.2	0.684511	0.542615	0.371426	0.904822
2502.3	0.688949	0.542641	0.373852	0.910731
2502.4	0.693229	0.542667	0.376192	0.916433
2502.5	0.697350	0.542693	0.378447	0.921925
2502.6	0.701312	0.542719	0.380615	0.927208
2502.7	0.705117	0.542745	0.382698	0.932282
2502.8	0.708764	0.542771	0.384697	0.937150
2502.9	0.712257	0.542797	0.386611	0.941813
2503.0	0.715596	0.542823	0.388442	0.946274
2503.1	0.718783	0.542840	0.390184	0.950519
2503.2	0.721820	0.542857	0.391845	0.954564
2503.3	0.724707	0.542875	0.393425	0.958413
2503.4	0.727447	0.542892	0.394925	0.962067
2503.5	0.730040	0.542909	0.396346	0.965528
2503.6	0.732489	0.542927	0.397688	0.968798
2503.7	0.734797	0.542944	0.398954	0.971881
2503.8	0.736966	0.542962	0.400145	0.974782
2503.9	0.739001	0.542979	0.401262	0.977505
2504.0	0.740905	0.542997	0.402309	0.980055
2504.1	0.742681	0.542957	0.403244	0.982332
2504.2	0.744332	0.542917	0.404111	0.984444
2504.3	0.745861	0.542878	0.404912	0.986395
2504.4	0.747273	0.542838	0.405648	0.988190
2504.5	0.748570	0.542799	0.406323	0.989833
2504.6	0.749756	0.542759	0.406937	0.991328
2504.7	0.750833	0.542719	0.407492	0.992680
2504.8	0.751807	0.542680	0.407990	0.993895
2504.9	0.752679	0.543201	0.408856	0.996004
2505.0	0.753454	0.543162	0.409248	0.996958
2505.1	0.754135	0.543089	0.409563	0.997726
2505.2	0.754726	0.543016	0.409829	0.998373

2505.3	0.755230	0.542944	0.410047	0.998906
2505.4	0.755650	0.542871	0.410220	0.999328
2505.5	0.755990	0.542799	0.410350	0.999644
2505.6	0.756254	0.542726	0.410438	0.999859
2505.7	0.756444	0.542653	0.410487	0.999976
2505.8	0.756563	0.542581	0.410496	1.000000
2505.9	0.756614	0.542508	0.410469	0.999934
2506.0	0.756599	0.542436	0.410407	0.999782
2506.1	0.756523	0.542446	0.410373	0.999700
2506.2	0.756387	0.542457	0.410307	0.999539
2506.3	0.756194	0.542467	0.410210	0.999303
2506.4	0.755948	0.542477	0.410084	0.998996
2506.5	0.755650	0.542488	0.409931	0.998622
2506.6	0.755304	0.542498	0.409751	0.998184
2506.7	0.754913	0.542508	0.409547	0.997686
2506.8	0.754480	0.542518	0.409319	0.997133
2506.9	0.754009	0.542529	0.409071	0.996528
2507.0	0.753501	0.542539	0.408804	0.995877
2507.1	0.752962	0.542574	0.408537	0.995228
2507.2	0.752392	0.542609	0.408255	0.994540
2507.3	0.751797	0.542644	0.407958	0.993817
2507.4	0.751178	0.542679	0.407649	0.993064
2507.5	0.750540	0.542715	0.407329	0.992284
2507.6	0.749884	0.542750	0.407000	0.991481
2507.7	0.749214	0.542785	0.406662	0.990659
2507.8	0.748531	0.542820	0.406317	0.989820
2507.9	0.747837	0.542855	0.405967	0.988966
2508.0	0.747134	0.542890	0.405611	0.988100
2508.1	0.746423	0.542875	0.405214	0.987132
2508.2	0.745708	0.542859	0.404814	0.986157
2508.3	0.744989	0.542843	0.404412	0.985178
2508.4	0.744269	0.542828	0.404010	0.984198
2508.5	0.743550	0.542812	0.403608	0.983219
2508.6	0.742833	0.542796	0.403207	0.982243
2508.7	0.742120	0.542781	0.402809	0.981272
2508.8	0.741411	0.542765	0.402412	0.980306
2508.9	0.740707	0.542750	0.402019	0.979347
2509.0	0.740008	0.542734	0.401628	0.978396
2509.1	0.739317	0.542717	0.401239	0.977449
2509.2	0.738632	0.542699	0.400855	0.976512
2509.3	0.737956	0.542681	0.400475	0.975586
2509.4	0.737288	0.542664	0.400099	0.974672
2509.5	0.736630	0.542646	0.399729	0.973771

2509.6	0.735982	0.542628	0.399365	0.972883
2509.7	0.735345	0.542611	0.399006	0.972010
2509.8	0.734720	0.542593	0.398654	0.971151
2509.9	0.734106	0.542576	0.398308	0.970309
2510.0	0.733505	0.542558	0.397969	0.969483
2510.1	0.732916	0.542516	0.397619	0.968630
2510.2	0.732341	0.542475	0.397277	0.967796
2510.3	0.731780	0.542433	0.396941	0.966979
2510.4	0.731232	0.542391	0.396614	0.966181
2510.5	0.730700	0.542349	0.396294	0.965403
2510.6	0.730183	0.542307	0.395983	0.964645
2510.7	0.729680	0.542265	0.395680	0.963907
2510.8	0.729193	0.542223	0.395385	0.963188
2510.9	0.728720	0.542182	0.395099	0.962490
2511.0	0.728262	0.542140	0.394820	0.961811
2511.1	0.727819	0.542059	0.394521	0.961082
2511.2	0.727391	0.541977	0.394229	0.960372
2511.3	0.726976	0.541896	0.393945	0.959681
2511.4	0.726576	0.541815	0.393670	0.959009
2511.5	0.726190	0.541733	0.393401	0.958355
2511.6	0.725818	0.541652	0.393141	0.957721
2511.7	0.725460	0.541571	0.392888	0.957106
2511.8	0.725116	0.542028	0.393033	0.957458
2511.9	0.724785	0.541957	0.392803	0.956897
2512.0	0.724469	0.541876	0.392572	0.956335
2512.1	0.724166	0.541857	0.392395	0.955903
2512.2	0.723877	0.541839	0.392224	0.955488
2512.3	0.723601	0.541820	0.392062	0.955092
2512.4	0.723339	0.541801	0.391906	0.954712
2512.5	0.723090	0.541783	0.391758	0.954351
2512.6	0.722855	0.541730	0.391592	0.953948
2512.7	0.722632	0.541621	0.391393	0.953462
2512.8	0.722422	0.541512	0.391200	0.952993
2512.9	0.722224	0.541403	0.391014	0.952540
2513.0	0.722037	0.541294	0.390834	0.952102
2513.1	0.721861	0.541221	0.390687	0.951743
2513.2	0.721696	0.541154	0.390549	0.951406
2513.3	0.721541	0.541171	0.390477	0.951232
2513.4	0.721396	0.541188	0.390411	0.951071
2513.5	0.721260	0.541205	0.390350	0.950921
2513.6	0.721133	0.541223	0.390293	0.950784
2513.7	0.721014	0.541240	0.390242	0.950658
2513.8	0.720903	0.541257	0.390194	0.950543

2513.9	0.720801	0.541275	0.390151	0.950438
2514.0	0.720707	0.541292	0.390113	0.950344
2514.1	0.720620	0.541278	0.390056	0.950205
2514.2	0.720542	0.541264	0.390003	0.950077
2514.3	0.720471	0.541250	0.389955	0.949959
2514.4	0.720407	0.541236	0.389910	0.949850
2514.5	0.720350	0.541222	0.389869	0.949751
2514.6	0.720300	0.541208	0.389832	0.949661
2514.7	0.720257	0.541753	0.390201	0.950560
2514.8	0.720220	0.541739	0.390172	0.950487
2514.9	0.720189	0.541725	0.390145	0.950422
2515.0	0.720163	0.541711	0.390121	0.950363
2515.1	0.720142	0.541707	0.390106	0.950328
2515.2	0.720126	0.541703	0.390095	0.950300
2515.3	0.720114	0.541699	0.390085	0.950276
2515.4	0.720105	0.541695	0.390077	0.950257
2515.5	0.720100	0.541691	0.390071	0.950243
2515.6	0.720098	0.541686	0.390067	0.950233
2515.7	0.720097	0.541682	0.390064	0.950225
2515.8	0.720099	0.541678	0.390062	0.950221
2515.9	0.720102	0.541674	0.390061	0.950218
2516.0	0.720106	0.541670	0.390060	0.950215
2516.1	0.720110	0.541684	0.390073	0.950246
2516.2	0.720114	0.541699	0.390085	0.950277
2516.3	0.720118	0.541714	0.390098	0.950307
2516.4	0.720120	0.541728	0.390109	0.950335
2516.5	0.720120	0.541743	0.390120	0.950361
2516.6	0.720118	0.541757	0.390129	0.950384
2516.7	0.720113	0.541772	0.390137	0.950403
2516.8	0.720105	0.541786	0.390143	0.950417
2516.9	0.720092	0.541801	0.390147	0.950426
2517.0	0.720075	0.541815	0.390148	0.950429
2517.1	0.720053	0.541811	0.390133	0.950393
2517.2	0.720025	0.541807	0.390114	0.950348
2517.3	0.719991	0.541802	0.390092	0.950294
2517.4	0.719949	0.541798	0.390067	0.950232
2517.5	0.719900	0.541793	0.390037	0.950159
2517.6	0.719843	0.541789	0.390003	0.950076
2517.7	0.719777	0.541784	0.389964	0.949981
2517.8	0.719701	0.541780	0.389920	0.949874
2517.9	0.719616	0.541776	0.389870	0.949753
2518.0	0.719520	0.541771	0.389815	0.949619
2518.1	0.719412	0.541700	0.389706	0.949353

2518.2	0.719293	0.541630	0.389591	0.949072
2518.3	0.719162	0.541559	0.389469	0.948775
2518.4	0.719018	0.541488	0.389340	0.948461
2518.5	0.718860	0.541417	0.389203	0.948128
2518.6	0.718688	0.541346	0.389059	0.947777
2518.7	0.718501	0.541275	0.388907	0.947406
2518.8	0.718299	0.541204	0.388747	0.947016
2518.9	0.718081	0.541133	0.388577	0.946604
2519.0	0.717847	0.541062	0.388399	0.946170
2519.1	0.717594	0.541020	0.388233	0.945764
2519.2	0.717324	0.540977	0.388056	0.945334
2519.3	0.717036	0.540935	0.387870	0.944879
2519.4	0.716728	0.540892	0.387672	0.944399
2519.5	0.716400	0.540850	0.387465	0.943893
2519.6	0.716052	0.540807	0.387246	0.943360
2519.7	0.715683	0.540765	0.387016	0.942800
2519.8	0.715293	0.540722	0.386774	0.942212
2519.9	0.714881	0.540679	0.386521	0.941595
2520.0	0.714447	0.540637	0.386256	0.940950
2520.1	0.713992	0.540717	0.386068	0.940489
2520.2	0.713513	0.540796	0.385865	0.939996
2520.3	0.713012	0.540875	0.385650	0.939473
2520.4	0.712488	0.540953	0.385423	0.938918
2520.5	0.711940	0.541032	0.385182	0.938333
2520.6	0.711368	0.541111	0.384929	0.937716
2520.7	0.710773	0.541189	0.384663	0.937067
2520.8	0.710153	0.541268	0.384383	0.936386
2520.9	0.709509	0.541347	0.384090	0.935673
2521.0	0.708841	0.541425	0.383784	0.934927
2521.1	0.708148	0.541461	0.383434	0.934075
2521.2	0.707431	0.541496	0.383071	0.933190
2521.3	0.706689	0.541532	0.382695	0.932273
2521.4	0.705922	0.541568	0.382305	0.931322
2521.5	0.705130	0.541604	0.381901	0.930339
2521.6	0.704313	0.541639	0.381484	0.929323
2521.7	0.703471	0.541675	0.381052	0.928272
2521.8	0.702602	0.541711	0.380607	0.927188
2521.9	0.701707	0.541747	0.380148	0.926068
2522.0	0.700785	0.541782	0.379673	0.924913
2522.1	0.699836	0.541879	0.379227	0.923825
2522.2	0.698860	0.541976	0.378766	0.922701
2522.3	0.697855	0.542073	0.378289	0.921540
2522.4	0.696822	0.542171	0.377797	0.920341

2522.5	0.695760	0.542750	0.377624	0.919920
2522.6	0.694669	0.542913	0.377145	0.918753
2522.7	0.693547	0.543011	0.376603	0.917434
2522.8	0.692396	0.543108	0.376046	0.916075
2522.9	0.691214	0.543205	0.375471	0.914675
2523.0	0.690001	0.543302	0.374879	0.913234
2523.1	0.688757	0.543346	0.374233	0.911660
2523.2	0.687481	0.543389	0.373570	0.910044
2523.3	0.686173	0.543432	0.372889	0.908385
2523.4	0.684833	0.543476	0.372190	0.906683
2523.5	0.683460	0.543519	0.371474	0.904938
2523.6	0.682054	0.543563	0.370739	0.903148
2523.7	0.680615	0.543606	0.369986	0.901314
2523.8	0.679142	0.543650	0.369215	0.899436
2523.9	0.677637	0.543693	0.368427	0.897515
2524.0	0.676100	0.543736	0.367620	0.895550
2524.1	0.674530	0.543421	0.366554	0.892953
2524.2	0.672928	0.543106	0.365471	0.890315
2524.3	0.671294	0.542791	0.364372	0.887638
2524.4	0.669628	0.542476	0.363257	0.884921
2524.5	0.667930	0.542161	0.362126	0.882166
2524.6	0.666201	0.541847	0.360978	0.879371
2524.7	0.664440	0.541532	0.359815	0.876537
2524.8	0.662647	0.541217	0.358636	0.873665
2524.9	0.660824	0.540903	0.357441	0.870754
2525.0	0.658969	0.540588	0.356231	0.867806
2525.1	0.657083	0.540315	0.355032	0.864884
2525.2	0.655166	0.539577	0.353513	0.861183
2525.3	0.653218	0.539222	0.352229	0.858057
2525.4	0.651239	0.538948	0.350984	0.855024
2525.5	0.649230	0.538675	0.349724	0.851953
2525.6	0.647190	0.538401	0.348448	0.848845
2525.7	0.645118	0.538128	0.347156	0.845698
2525.8	0.643016	0.537855	0.345849	0.842514
2525.9	0.640882	0.537581	0.344526	0.839291
2526.0	0.638716	0.537308	0.343187	0.836030
2526.1	0.636518	0.537436	0.342088	0.833351
2526.2	0.634288	0.537564	0.340970	0.830628
2526.3	0.632025	0.537692	0.339834	0.827862
2526.4	0.629729	0.537819	0.338680	0.825051
2526.5	0.627400	0.537947	0.337508	0.822195
2526.6	0.625038	0.538075	0.336317	0.819293
2526.7	0.622643	0.538202	0.335108	0.816348

2526.8	0.620216	0.538330	0.333880	0.813358
2526.9	0.617757	0.538457	0.332636	0.810326
2527.0	0.615267	0.538585	0.331374	0.807251
2527.1	0.612748	0.538715	0.330096	0.804139
2527.2	0.610198	0.538844	0.328802	0.800986
2527.3	0.607620	0.538974	0.327491	0.797793
2527.4	0.605014	0.539103	0.326165	0.794562
2527.5	0.602380	0.539233	0.324823	0.791293
2527.6	0.599719	0.539363	0.323466	0.787987
2527.7	0.597031	0.539492	0.322093	0.784644
2527.8	0.594316	0.539622	0.320706	0.781263
2527.9	0.591573	0.539751	0.319302	0.777844
2528.0	0.588803	0.539881	0.317884	0.774388
2528.1	0.586006	0.540042	0.316468	0.770939
2528.2	0.583181	0.540202	0.315036	0.767451
2528.3	0.580329	0.540363	0.313588	0.763924
2528.4	0.577448	0.540524	0.312124	0.760358
2528.5	0.574540	0.540684	0.310645	0.756754
2528.6	0.571604	0.540845	0.309149	0.753110
2528.7	0.568639	0.541006	0.307637	0.749427
2528.8	0.565646	0.541167	0.306109	0.745704
2528.9	0.562625	0.541327	0.304564	0.741941
2529.0	0.559574	0.541488	0.303003	0.738137
2529.1	0.556495	0.541610	0.301403	0.734241
2529.2	0.553385	0.541733	0.299787	0.730304
2529.3	0.550247	0.541855	0.298154	0.726326
2529.4	0.547079	0.541978	0.296504	0.722307
2529.5	0.543880	0.542100	0.294837	0.718246
2529.6	0.540651	0.542223	0.293153	0.714144
2529.7	0.537393	0.542345	0.291453	0.710001
2529.8	0.534107	0.542468	0.289736	0.705818
2529.9	0.530793	0.542590	0.288003	0.701596
2530.0	0.527451	0.542712	0.286254	0.697337
2530.1	0.524084	0.542600	0.284368	0.692742
2530.2	0.520691	0.542488	0.282469	0.688116
2530.3	0.517274	0.542377	0.280557	0.683459
2530.4	0.513833	0.542265	0.278634	0.678773
2530.5	0.510370	0.542153	0.276699	0.674059
2530.6	0.506884	0.542042	0.274753	0.669318
2530.7	0.503377	0.541930	0.272795	0.664550
2530.8	0.499849	0.541818	0.270827	0.659755
2530.9	0.496298	0.541707	0.268848	0.654935
2531.0	0.492727	0.541596	0.266859	0.650088

2531.1	0.489135	0.541513	0.264873	0.645251
2531.2	0.485522	0.541431	0.262877	0.640387
2531.3	0.481888	0.541349	0.260870	0.635498
2531.4	0.478234	0.541267	0.258852	0.630584
2531.5	0.474560	0.541185	0.256825	0.625644
2531.6	0.470866	0.541103	0.254787	0.620680
2531.7	0.467152	0.541020	0.252739	0.615691
2531.8	0.463419	0.540938	0.250681	0.610679
2531.9	0.459669	0.541414	0.248871	0.606268
2532.0	0.455900	0.541332	0.246793	0.601207
2532.1	0.452114	0.541337	0.244746	0.596219
2532.2	0.448311	0.541341	0.242689	0.591209
2532.3	0.444493	0.541345	0.240624	0.586178
2532.4	0.440659	0.541349	0.238550	0.581126
2532.5	0.436810	0.541353	0.236468	0.576055
2532.6	0.432947	0.541357	0.234379	0.570964
2532.7	0.429071	0.541361	0.232282	0.565857
2532.8	0.425183	0.541365	0.230179	0.560734
2532.9	0.421286	0.541369	0.228071	0.555598
2533.0	0.417379	0.541373	0.225958	0.550451
2533.1	0.413466	0.541390	0.223847	0.545307
2533.2	0.409547	0.541407	0.221732	0.540155
2533.3	0.405624	0.541425	0.219615	0.534998
2533.4	0.401698	0.541442	0.217496	0.529836
2533.5	0.397770	0.541459	0.215376	0.524672
2533.6	0.393842	0.541475	0.213256	0.519507
2533.7	0.389915	0.541492	0.211136	0.514344
2533.8	0.385990	0.541509	0.209017	0.509181
2533.9	0.382066	0.541526	0.206899	0.504021
2534.0	0.378145	0.541543	0.204782	0.498863
2534.1	0.374227	0.541557	0.202665	0.493708
2534.2	0.370313	0.541572	0.200551	0.488557
2534.3	0.366403	0.541586	0.198439	0.483412
2534.4	0.362499	0.541601	0.196330	0.478274
2534.5	0.358600	0.541615	0.194223	0.473142
2534.6	0.354708	0.541629	0.192120	0.468019
2534.7	0.350822	0.541644	0.190020	0.462904
2534.8	0.346943	0.541658	0.187924	0.457798
2534.9	0.343071	0.541672	0.185832	0.452701
2535.0	0.339206	0.541686	0.183743	0.447613
2535.1	0.335349	0.541626	0.181634	0.442474
2535.2	0.331500	0.541566	0.179529	0.437346
2535.3	0.327658	0.541506	0.177429	0.432230

2535.4	0.323825	0.541445	0.175333	0.427126
2535.5	0.320000	0.541385	0.173243	0.422033
2535.6	0.316184	0.541325	0.171158	0.416954
2535.7	0.312377	0.541264	0.169079	0.411888
2535.8	0.308582	0.541204	0.167006	0.406839
2535.9	0.304799	0.541143	0.164940	0.401806
2536.0	0.301029	0.541083	0.162882	0.396792
2536.1	0.297274	0.540791	0.160763	0.391631
2536.2	0.293534	0.540500	0.158655	0.386495
2536.3	0.289811	0.540208	0.156558	0.381387
2536.4	0.286106	0.539917	0.154473	0.376309
2536.5	0.282420	0.539626	0.152401	0.371261
2536.6	0.278755	0.539335	0.150342	0.366244
2536.7	0.275110	0.539044	0.148296	0.361261
2536.8	0.271487	0.538753	0.146264	0.356310
2536.9	0.267885	0.538462	0.144246	0.351394
2537.0	0.264307	0.538171	0.142242	0.346513
2537.1	0.260751	0.537917	0.140262	0.341690
2537.2	0.257219	0.537664	0.138297	0.336903
2537.3	0.253711	0.537410	0.136347	0.332151
2537.4	0.250228	0.537157	0.134412	0.327437
2537.5	0.246770	0.536903	0.132492	0.322760
2537.6	0.243338	0.536650	0.130587	0.318120
2537.7	0.239931	0.536397	0.128698	0.313519
2537.8	0.236551	0.536144	0.126825	0.308956
2537.9	0.233197	0.535890	0.124968	0.304431
2538.0	0.229869	0.535637	0.123126	0.299945
2538.1	0.226568	0.535695	0.121371	0.295670
2538.2	0.223293	0.535753	0.119630	0.291427
2538.3	0.220045	0.535811	0.117902	0.287219
2538.4	0.216824	0.535868	0.116189	0.283045
2538.5	0.213630	0.535926	0.114490	0.278906
2538.6	0.210463	0.535432	0.112689	0.274518
2538.7	0.207324	0.535490	0.111020	0.270453
2538.8	0.204214	0.535547	0.109366	0.266424
2538.9	0.201132	0.535605	0.107728	0.262432
2539.0	0.198080	0.535661	0.106104	0.258477
2539.1	0.195059	0.535777	0.104508	0.254590
2539.2	0.192069	0.535893	0.102928	0.250741
2539.3	0.189110	0.536008	0.101365	0.246932
2539.4	0.186184	0.536124	0.099817	0.243163
2539.5	0.183290	0.536240	0.098287	0.239435
2539.6	0.180430	0.536741	0.096844	0.235920

2539.7	0.177603	0.537014	0.095375	0.232342
2539.8	0.174810	0.537130	0.093896	0.228737
2539.9	0.172050	0.537246	0.092433	0.225174
2540.0	0.169324	0.537362	0.090988	0.221654
2540.1	0.166631	0.537568	0.089575	0.218212
2540.2	0.163971	0.537774	0.088179	0.214811
2540.3	0.161344	0.537979	0.086800	0.211451
2540.4	0.158750	0.538185	0.085437	0.208131
2540.5	0.156190	0.538390	0.084091	0.204852
2540.6	0.153663	0.538596	0.082762	0.201615
2540.7	0.151168	0.538801	0.081449	0.198417
2540.8	0.148705	0.539007	0.080153	0.195259
2540.9	0.146274	0.539212	0.078873	0.192140
2541.0	0.143875	0.539418	0.077608	0.189060
2541.1	0.141506	0.539545	0.076349	0.185991
2541.2	0.139167	0.539672	0.075105	0.182961
2541.3	0.136859	0.539800	0.073876	0.179969
2541.4	0.134580	0.539927	0.072663	0.177013
2541.5	0.132330	0.540054	0.071465	0.174095
2541.6	0.130109	0.540181	0.070282	0.171213
2541.7	0.127916	0.540308	0.069114	0.168367
2541.8	0.125753	0.540435	0.067961	0.165558
2541.9	0.123618	0.540562	0.066823	0.162786
2542.0	0.121512	0.540688	0.065700	0.160050
2542.1	0.119435	0.540473	0.064551	0.157252
2542.2	0.117387	0.540257	0.063419	0.154494
2542.3	0.115369	0.539484	0.062240	0.151621
2542.4	0.113380	0.539269	0.061142	0.148947
2542.5	0.111420	0.539054	0.060061	0.146314
2542.6	0.109490	0.538839	0.058997	0.143722
2542.7	0.107589	0.538623	0.057950	0.141171
2542.8	0.105719	0.538408	0.056920	0.138661
2542.9	0.103878	0.538193	0.055906	0.136192
2543.0	0.102067	0.537978	0.054910	0.133764
2543.1	0.100287	0.537758	0.053930	0.131377
2543.2	0.098500	0.537539	0.052948	0.128984
2543.3	0.096800	0.537629	0.052043	0.126779
2543.4	0.095100	0.537500	0.051116	0.124523
2543.5	0.093470	0.537193	0.050211	0.122319
2543.6	0.091800	0.536887	0.049286	0.120065
2543.7	0.090200	0.536581	0.048400	0.117905
2543.8	0.088700	0.536274	0.047568	0.115878
2543.9	0.087100	0.535984	0.046684	0.113726

2544.0	0.085600	0.535765	0.045861	0.111722
2544.1	0.084100	0.535595	0.045044	0.109729
2544.2	0.082700	0.535425	0.044280	0.107869
2544.3	0.081200	0.535255	0.043463	0.105878
2544.4	0.079800	0.535085	0.042700	0.104020
2544.5	0.078400	0.534916	0.041937	0.102163
2544.6	0.077100	0.534746	0.041229	0.100437
2544.7	0.075700	0.534576	0.040467	0.098582
2544.8	0.074400	0.534406	0.039760	0.096858
2544.9	0.073100	0.534237	0.039053	0.095135
2545.0	0.071800	0.534067	0.038346	0.093414
2545.1	0.070600	0.533954	0.037697	0.091833
2545.2	0.069360	0.533841	0.037027	0.090201
2545.3	0.068149	0.533728	0.036373	0.088607
2545.4	0.067000	0.533615	0.035752	0.087095
2545.5	0.065790	0.533502	0.035099	0.085504
2545.6	0.064600	0.533389	0.034457	0.083940
2545.7	0.063516	0.533276	0.033872	0.082514
2545.8	0.062400	0.533163	0.033269	0.081047
2545.9	0.061300	0.533050	0.032676	0.079601
2546.0	0.060261	0.532937	0.032115	0.078235
2546.1	0.059200	0.533186	0.031565	0.076894
2546.2	0.058200	0.533436	0.031046	0.075630
2546.3	0.057200	0.533685	0.030527	0.074366
2546.4	0.056200	0.533935	0.030007	0.073100
2546.5	0.055230	0.534184	0.029503	0.071872
2546.6	0.054300	0.534434	0.029020	0.070694
2546.7	0.053400	0.534683	0.028552	0.069555
2546.8	0.052400	0.534933	0.028030	0.068284
2546.9	0.051500	0.535183	0.027562	0.067143
2547.0	0.050700	0.535432	0.027146	0.066131
2547.1	0.049800	0.535669	0.026676	0.064985
2547.2	0.049000	0.535905	0.026259	0.063970
2547.3	0.048100	0.536141	0.025788	0.062822
2547.4	0.047300	0.536377	0.025371	0.061805
2547.5	0.046520	0.536614	0.024963	0.060812
2547.6	0.045700	0.536850	0.024534	0.059767
2547.7	0.045000	0.537087	0.024169	0.058877
2547.8	0.044200	0.537878	0.023774	0.057916
2547.9	0.043480	0.538115	0.023397	0.056997
2548.0	0.042800	0.538351	0.023041	0.056131
2548.1	0.042000	0.538246	0.022606	0.055071
2548.2	0.041300	0.538140	0.022225	0.054142

2548.3	0.040700	0.538035	0.021898	0.053345
2548.4	0.040000	0.537929	0.021517	0.052417
2548.5	0.039330	0.537824	0.021153	0.051529
2548.6	0.038700	0.537382	0.020797	0.050662
2548.7	0.038046	0.537070	0.020434	0.049778
2548.8	0.037422	0.536965	0.020095	0.048952
2548.9	0.036800	0.536860	0.019756	0.048128
2549.0	0.036200	0.536755	0.019431	0.047334
2549.1	0.035600	0.536643	0.019104	0.046540
2549.2	0.035000	0.536531	0.018779	0.045746
2549.3	0.034500	0.536420	0.018506	0.045083
2549.4	0.033900	0.536308	0.018181	0.044290
2549.5	0.033390	0.536197	0.017904	0.043615
2549.6	0.032900	0.536085	0.017637	0.042966
2549.7	0.032300	0.535974	0.017312	0.042173
2549.8	0.031800	0.535862	0.017040	0.041512
2549.9	0.031300	0.535750	0.016769	0.040851
2550.0	0.030844	0.535639	0.016521	0.040247
2550.1	0.030400	0.535436	0.016277	0.039653
2550.2	0.029900	0.535234	0.016003	0.038986
2550.3	0.029399	0.535031	0.015729	0.038317
2550.4	0.028900	0.534828	0.015457	0.037653
2550.5	0.028450	0.534625	0.015210	0.037053
2550.6	0.027999	0.534422	0.014963	0.036452
2550.7	0.027554	0.534219	0.014720	0.035859
2550.8	0.027115	0.534340	0.014489	0.035295
2550.9	0.026684	0.534352	0.014259	0.034735
2551.0	0.026259	0.534149	0.014026	0.034169
2551.1	0.025840	0.533972	0.013798	0.033613
2551.2	0.025428	0.533795	0.013573	0.033066
2551.3	0.025022	0.533617	0.013352	0.032527
2551.4	0.024623	0.533440	0.013135	0.031998
2551.5	0.024230	0.533263	0.012921	0.031476
2551.6	0.023843	0.533085	0.012710	0.030963
2551.7	0.023463	0.532907	0.012504	0.030460
2551.8	0.023089	0.532730	0.012300	0.029964
2551.9	0.022721	0.532552	0.012100	0.029477
2552.0	0.022359	0.532374	0.011903	0.028997
2552.1	0.022003	0.532576	0.011718	0.028547
2552.2	0.021653	0.532777	0.011536	0.028103
2552.3	0.021310	0.532978	0.011358	0.027668
2552.4	0.020972	0.533179	0.011182	0.027240
2552.5	0.020640	0.533381	0.011009	0.026819

2552.6	0.020314	0.533582	0.010839	0.026405
2552.7	0.019994	0.533783	0.010672	0.025999
2552.8	0.019680	0.533985	0.010509	0.025600
2552.9	0.019371	0.534186	0.010348	0.025208
2553.0	0.019069	0.534387	0.010190	0.024824
2553.1	0.018772	0.534546	0.010034	0.024445
2553.2	0.018480	0.534704	0.009881	0.024072
2553.3	0.018195	0.534862	0.009732	0.023707
2553.4	0.017915	0.535020	0.009585	0.023349
2553.5	0.017640	0.535178	0.009441	0.022998
2553.6	0.017371	0.535336	0.009299	0.022654
2553.7	0.017107	0.535494	0.009161	0.022316
2553.8	0.016849	0.535652	0.009025	0.021986
2553.9	0.016596	0.535810	0.008892	0.021662
2554.0	0.016349	0.535968	0.008763	0.021346
2554.1	0.016106	0.535950	0.008632	0.021028
2554.2	0.015869	0.535932	0.008505	0.020718
2554.3	0.015638	0.535914	0.008381	0.020416
2554.4	0.015411	0.535896	0.008259	0.020119
2554.5	0.015190	0.535877	0.008140	0.019830
2554.6	0.014973	0.535859	0.008023	0.019546
2554.7	0.014762	0.535841	0.007910	0.019270
2554.8	0.014556	0.535823	0.007799	0.019000
2554.9	0.014355	0.535804	0.007691	0.018737
2555.0	0.014158	0.535786	0.007586	0.018479
2555.1	0.013967	0.535709	0.007482	0.018227
2555.2	0.013780	0.535632	0.007381	0.017981
2555.3	0.013599	0.535555	0.007283	0.017742
2555.4	0.013422	0.535478	0.007187	0.017509
2555.5	0.013249	0.535400	0.007094	0.017280
2555.6	0.013082	0.535323	0.007003	0.017060
2555.7	0.012919	0.535246	0.006915	0.016845
2555.8	0.012761	0.535169	0.006829	0.016637
2555.9	0.012607	0.535091	0.006746	0.016434
2556.0	0.012458	0.535014	0.006665	0.016237
2556.1	0.012313	0.534995	0.006587	0.016047
2556.2	0.012173	0.534975	0.006512	0.015864
2556.3	0.012037	0.534955	0.006439	0.015687
2556.4	0.011906	0.534935	0.006369	0.015515
2556.5	0.011779	0.534915	0.006301	0.015349
2556.6	0.011656	0.534895	0.006235	0.015188
2556.7	0.011538	0.534875	0.006171	0.015034
2556.8	0.011423	0.534855	0.006110	0.014884

2556.9	0.011313	0.534835	0.006051	0.014740
2557.0	0.011207	0.534815	0.005994	0.014601
2557.1	0.011105	0.534832	0.005939	0.014469
2557.2	0.011008	0.534849	0.005888	0.014343
2557.3	0.010914	0.534865	0.005838	0.014221
2557.4	0.010824	0.534882	0.005790	0.014104
2557.5	0.010738	0.534898	0.005744	0.013992
2557.6	0.010656	0.534915	0.005700	0.013886
2557.7	0.010578	0.534931	0.005659	0.013785
2557.8	0.010504	0.534948	0.005619	0.013689
2557.9	0.010433	0.534964	0.005581	0.013596
2558.0	0.010366	0.534981	0.005546	0.013510
2558.1	0.010303	0.535303	0.005515	0.013436
2558.2	0.010244	0.535625	0.005487	0.013367
2558.3	0.010188	0.535948	0.005460	0.013302
2558.4	0.010136	0.536270	0.005436	0.013242
2558.5	0.010087	0.536592	0.005413	0.013186
2558.6	0.010042	0.536914	0.005392	0.013135
2558.7	0.010000	0.537237	0.005372	0.013087
2558.8	0.009932	0.537559	0.005339	0.013007
2558.9	0.009865	0.537881	0.005306	0.012926
2559.0	0.009798	0.538203	0.005273	0.012846
2559.1	0.009732	0.538516	0.005241	0.012767
2559.2	0.009666	0.538828	0.005208	0.012688
2559.3	0.009601	0.539141	0.005176	0.012610
2559.4	0.009536	0.539453	0.005144	0.012532
2559.5	0.009472	0.539764	0.005113	0.012455
2559.6	0.009409	0.540075	0.005081	0.012379
2559.7	0.009345	0.540385	0.005050	0.012302
2559.8	0.009283	0.540696	0.005019	0.012227
2559.9	0.009220	0.541007	0.004988	0.012152
2560.0	0.009159	0.541318	0.004958	0.012078
2560.1	0.009097	0.541152	0.004923	0.011993
2560.2	0.009037	0.540986	0.004889	0.011909
2560.3	0.008976	0.540820	0.004855	0.011826
2560.4	0.008917	0.540654	0.004821	0.011744
2560.5	0.008857	0.540488	0.004787	0.011662
2560.6	0.008798	0.540322	0.004754	0.011580
2560.7	0.008739	0.540156	0.004721	0.011500
2560.8	0.008681	0.539990	0.004688	0.011420
2560.9	0.008623	0.539825	0.004655	0.011340
2561.0	0.008566	0.539659	0.004623	0.011262
2561.1	0.008509	0.539456	0.004590	0.011182

2561.2	0.008453	0.539253	0.004558	0.011104
2561.3	0.008397	0.539051	0.004526	0.011026
2561.4	0.008341	0.538848	0.004494	0.010949
2561.5	0.008285	0.538646	0.004463	0.010872
2561.6	0.008231	0.538444	0.004432	0.010796
2561.7	0.008176	0.538241	0.004401	0.010720
2561.8	0.008122	0.538039	0.004370	0.010645
2561.9	0.008068	0.537836	0.004339	0.010571
2562.0	0.008014	0.537634	0.004309	0.010496
2562.1	0.007961	0.537453	0.004279	0.010423
2562.2	0.007908	0.537272	0.004249	0.010351
2562.3	0.007856	0.537091	0.004219	0.010278
2562.4	0.007804	0.536910	0.004190	0.010207
2562.5	0.007752	0.536729	0.004161	0.010136
2562.6	0.007700	0.536548	0.004132	0.010065
2562.7	0.007649	0.536368	0.004103	0.009995
2562.8	0.007598	0.536187	0.004074	0.009925
2562.9	0.007548	0.536006	0.004046	0.009855
2563.0	0.007497	0.535825	0.004017	0.009786
2563.1	0.007447	0.535648	0.003989	0.009718
2563.2	0.007398	0.535470	0.003961	0.009650
2563.3	0.007348	0.535292	0.003933	0.009582
2563.4	0.007299	0.535115	0.003906	0.009515
2563.5	0.007250	0.534937	0.003878	0.009448
2563.6	0.007201	0.534760	0.003851	0.009381
2563.7	0.007153	0.534582	0.003824	0.009315
2563.8	0.007105	0.534405	0.003797	0.009249
2563.9	0.007057	0.534227	0.003770	0.009184
2564.0	0.007009	0.534050	0.003743	0.009119
2564.1	0.006962	0.534012	0.003718	0.009057
2564.2	0.006914	0.533423	0.003688	0.008985
2564.3	0.006868	0.533385	0.003663	0.008923
2564.4	0.006821	0.533347	0.003638	0.008862
2564.5	0.006774	0.533309	0.003613	0.008801
2564.6	0.006728	0.533272	0.003588	0.008740
2564.7	0.006682	0.533234	0.003563	0.008679
2564.8	0.006636	0.533196	0.003538	0.008619
2564.9	0.006590	0.533158	0.003513	0.008559
2565.0	0.006544	0.533120	0.003489	0.008499
2565.1	0.006499	0.533113	0.003464	0.008440
2565.2	0.006453	0.533106	0.003440	0.008381
2565.3	0.006408	0.533098	0.003416	0.008322
2565.4	0.006363	0.533091	0.003392	0.008263

2565.5	0.006318	0.533084	0.003368	0.008205
2565.6	0.006274	0.533077	0.003344	0.008147
2565.7	0.006229	0.533070	0.003320	0.008089
2565.8	0.006184	0.533063	0.003297	0.008031
2565.9	0.006140	0.533055	0.003273	0.007973
2566.0	0.006096	0.533048	0.003249	0.007916
2566.1	0.006052	0.533018	0.003226	0.007858
2566.2	0.006008	0.532988	0.003202	0.007801
2566.3	0.005964	0.532958	0.003179	0.007743
2566.4	0.005920	0.532928	0.003155	0.007686
2566.5	0.005876	0.532898	0.003132	0.007629
2566.6	0.005833	0.532868	0.003108	0.007572
2566.7	0.005789	0.532838	0.003085	0.007515
2566.8	0.005746	0.532808	0.003061	0.007458
2566.9	0.005703	0.532777	0.003038	0.007401
2567.0	0.005659	0.532197	0.003012	0.007337
2567.1	0.005616	0.532227	0.002989	0.007282
2567.2	0.005573	0.532257	0.002966	0.007226
2567.3	0.005530	0.532287	0.002944	0.007171
2567.4	0.005487	0.532317	0.002921	0.007116
2567.5	0.005444	0.532347	0.002898	0.007061
2567.6	0.005402	0.532377	0.002876	0.007005
2567.7	0.005359	0.532407	0.002853	0.006951
2567.8	0.005316	0.532436	0.002831	0.006896
2567.9	0.005274	0.532466	0.002808	0.006841
2568.0	0.005231	0.532495	0.002786	0.006786
2568.1	0.005189	0.532593	0.002764	0.006732
2568.2	0.005147	0.532691	0.002742	0.006679
2568.3	0.005104	0.533020	0.002721	0.006628
2568.4	0.005062	0.533424	0.002700	0.006578
2568.5	0.005020	0.533521	0.002678	0.006525
2568.6	0.004978	0.533619	0.002656	0.006471
2568.7	0.004936	0.533716	0.002634	0.006418
2568.8	0.004894	0.533814	0.002613	0.006364
2568.9	0.004852	0.533911	0.002591	0.006311
2569.0	0.004810	0.533457	0.002566	0.006251
2569.1	0.004769	0.533480	0.002544	0.006198
2569.2	0.004727	0.533504	0.002522	0.006144
2569.3	0.004685	0.533528	0.002500	0.006090
2569.4	0.004644	0.533551	0.002478	0.006036
2569.5	0.004602	0.533574	0.002456	0.005982
2569.6	0.004561	0.533598	0.002434	0.005929
2569.7	0.004519	0.533621	0.002412	0.005875

2569.8	0.004478	0.533644	0.002390	0.005821
2569.9	0.004437	0.533667	0.002368	0.005768
2570.0	0.004395	0.533691	0.002346	0.005714
2570.1	0.004354	0.533839	0.002324	0.005662
2570.2	0.004313	0.533988	0.002303	0.005610
2570.3	0.004272	0.534136	0.002282	0.005558
2570.4	0.004230	0.534285	0.002260	0.005506
2570.5	0.004189	0.534433	0.002239	0.005454
2570.6	0.004148	0.534581	0.002217	0.005402
2570.7	0.004107	0.534729	0.002196	0.005350
2570.8	0.004066	0.534877	0.002175	0.005298
2570.9	0.004025	0.535026	0.002153	0.005246
2571.0	0.003984	0.535174	0.002132	0.005194
2571.1	0.003943	0.535253	0.002110	0.005141
2571.2	0.003902	0.535332	0.002089	0.005089
2571.3	0.003861	0.535410	0.002067	0.005036
2571.4	0.003820	0.535489	0.002046	0.004983
2571.5	0.003779	0.535567	0.002024	0.004931
2571.6	0.003738	0.535862	0.002003	0.004880
2571.7	0.003698	0.536265	0.001983	0.004830
2571.8	0.003657	0.536343	0.001961	0.004778
2571.9	0.003616	0.536422	0.001940	0.004725
2572.0	0.003575	0.536500	0.001918	0.004672
2572.1	0.003534	0.536302	0.001895	0.004617
2572.2	0.003493	0.536105	0.001873	0.004562
2572.3	0.003453	0.535907	0.001850	0.004507
2572.4	0.003412	0.535709	0.001828	0.004452
2572.5	0.003371	0.535512	0.001805	0.004398
2572.6	0.003330	0.535868	0.001785	0.004347
2572.7	0.003289	0.535671	0.001762	0.004293
2572.8	0.003249	0.535473	0.001740	0.004238
2572.9	0.003208	0.535275	0.001717	0.004183
2573.0	0.003167	0.535078	0.001695	0.004128
2573.1	0.003126	0.534891	0.001672	0.004074
2573.2	0.003086	0.534704	0.001650	0.004019
2573.3	0.003045	0.534518	0.001627	0.003964
2573.4	0.003004	0.534331	0.001605	0.003910
2573.5	0.002963	0.534144	0.001583	0.003856
2573.6	0.002922	0.533958	0.001560	0.003801
2573.7	0.002881	0.533771	0.001538	0.003746
2573.8	0.002840	0.533585	0.001516	0.003692
2573.9	0.002799	0.533398	0.001493	0.003638
2574.0	0.002759	0.533212	0.001471	0.003583

2574.1	0.002717	0.533117	0.001449	0.003529
2574.2	0.002677	0.533574	0.001428	0.003479
2574.3	0.002635	0.533480	0.001406	0.003425
2574.4	0.002595	0.533385	0.001384	0.003371
2574.5	0.002553	0.533290	0.001362	0.003317
2574.6	0.002512	0.533196	0.001340	0.003263
2574.7	0.002471	0.533102	0.001317	0.003209
2574.8	0.002430	0.533007	0.001295	0.003155
2574.9	0.002389	0.532913	0.001273	0.003101
2575.0	0.002348	0.532819	0.001251	0.003047
2575.1	0.002306	0.532731	0.001229	0.002993
2575.2	0.002265	0.532643	0.001206	0.002939
2575.3	0.002224	0.532555	0.001184	0.002885
2575.4	0.002182	0.532467	0.001162	0.002831
2575.5	0.002141	0.532379	0.001140	0.002777
2575.6	0.002099	0.532291	0.001117	0.002722
2575.7	0.002058	0.532204	0.001095	0.002668
2575.8	0.002016	0.532116	0.001073	0.002614
2575.9	0.001975	0.532577	0.001052	0.002562
2576.0	0.001933	0.532489	0.001029	0.002507
2576.1	0.001891	0.532487	0.001007	0.002453
2576.2	0.001850	0.532485	0.000985	0.002399
2576.3	0.001808	0.532483	0.000963	0.002345
2576.4	0.001766	0.532481	0.000940	0.002291
2576.5	0.001724	0.532479	0.000918	0.002236
2576.6	0.001682	0.532477	0.000896	0.002182
2576.7	0.001640	0.532475	0.000873	0.002127
2576.8	0.001598	0.532471	0.000851	0.002072
2576.9	0.001555	0.532467	0.000828	0.002018
2577.0	0.001513	0.532463	0.000806	0.001963
2577.1	0.001471	0.532436	0.000783	0.001908
2577.2	0.001428	0.532409	0.000760	0.001852
2577.3	0.001386	0.532382	0.000738	0.001797
2577.4	0.001343	0.532287	0.000715	0.001742
2577.5	0.001301	0.532176	0.000692	0.001686
2577.6	0.001258	0.532064	0.000669	0.001631
2577.7	0.001215	0.531953	0.000646	0.001575
2577.8	0.001172	0.531841	0.000623	0.001519
2577.9	0.001129	0.531730	0.000601	0.001463
2578.0	0.001086	0.531632	0.000578	0.001407
2578.1	0.001043	0.530870	0.000554	0.001349
2578.2	0.001000	0.530657	0.000531	0.001293
2578.3	0.000910	0.530444	0.000482	0.001175

2578.4	0.000809	0.530231	0.000429	0.001045
2578.5	0.000699	0.530018	0.000370	0.000902
2578.6	0.000579	0.529805	0.000307	0.000747
2578.7	0.000449	0.529592	0.000238	0.000579
2578.8	0.000309	0.529379	0.000164	0.000399
2578.9	0.000160	0.529166	0.000084	0.000206
2579.0	0.000000	0.528953	0.000000	0.000000
CHANNEL 19				
Wavenumber	HIRS Filter Transmittance	Optical Element Transmittance	Product of the HIRS Filter and Optical Element Transmittances	Normalized Value of Column 4
2523.1	0.000196	0.543346	0.000107	0.000317
2523.2	0.000375	0.543389	0.000204	0.000606
2523.3	0.000535	0.543432	0.000291	0.000866
2523.4	0.000678	0.543476	0.000369	0.001097
2523.5	0.000803	0.543519	0.000437	0.001299
2523.6	0.000910	0.543563	0.000495	0.001473
2523.7	0.001000	0.543606	0.000544	0.001618
2523.8	0.001072	0.543650	0.000583	0.001734
2523.9	0.001126	0.543693	0.000612	0.001821
2524.0	0.001162	0.543736	0.000632	0.001880
2524.1	0.001180	0.543421	0.000641	0.001909
2524.2	0.001181	0.543106	0.000641	0.001909
2524.3	0.001164	0.542791	0.000632	0.001880
2524.4	0.001129	0.542476	0.000612	0.001822
2524.5	0.001147	0.542161	0.000622	0.001851
2524.6	0.001166	0.541847	0.000632	0.001880
2524.7	0.001184	0.541532	0.000641	0.001908
2524.8	0.001203	0.541217	0.000651	0.001937
2524.9	0.001221	0.540903	0.000660	0.001965
2525.0	0.001239	0.540588	0.000670	0.001994
2525.1	0.001258	0.540315	0.000680	0.002022
2525.2	0.001276	0.539577	0.000689	0.002049
2525.3	0.001295	0.539222	0.000698	0.002077
2525.4	0.001313	0.538948	0.000708	0.002106
2525.5	0.001331	0.538675	0.000717	0.002134
2525.6	0.001350	0.538401	0.000727	0.002163
2525.7	0.001368	0.538128	0.000736	0.002191
2525.8	0.001386	0.537855	0.000746	0.002219
2525.9	0.001405	0.537581	0.000755	0.002248
2526.0	0.001423	0.537308	0.000765	0.002276
2526.1	0.001442	0.537436	0.000775	0.002306

2526.2	0.001460	0.537564	0.000785	0.002336
2526.3	0.001479	0.537692	0.000795	0.002366
2526.4	0.001497	0.537819	0.000805	0.002396
2526.5	0.001515	0.537947	0.000815	0.002426
2526.6	0.001534	0.538075	0.000825	0.002456
2526.7	0.001552	0.538202	0.000835	0.002486
2526.8	0.001571	0.538330	0.000846	0.002516
2526.9	0.001589	0.538457	0.000856	0.002546
2527.0	0.001607	0.538585	0.000866	0.002576
2527.1	0.001626	0.538715	0.000876	0.002606
2527.2	0.001644	0.538844	0.000886	0.002637
2527.3	0.001663	0.538974	0.000896	0.002667
2527.4	0.001681	0.539103	0.000906	0.002697
2527.5	0.001699	0.539233	0.000916	0.002727
2527.6	0.001718	0.539363	0.000927	0.002757
2527.7	0.001736	0.539492	0.000937	0.002787
2527.8	0.001755	0.539622	0.000947	0.002818
2527.9	0.001773	0.539751	0.000957	0.002848
2528.0	0.001791	0.539881	0.000967	0.002878
2528.1	0.001810	0.540042	0.000977	0.002909
2528.2	0.001828	0.540202	0.000988	0.002939
2528.3	0.001847	0.540363	0.000998	0.002970
2528.4	0.001865	0.540524	0.001008	0.003000
2528.5	0.001883	0.540684	0.001018	0.003030
2528.6	0.001902	0.540845	0.001029	0.003061
2528.7	0.001920	0.541006	0.001039	0.003092
2528.8	0.001939	0.541167	0.001049	0.003122
2528.9	0.001957	0.541327	0.001059	0.003153
2529.0	0.001975	0.541488	0.001070	0.003183
2529.1	0.001994	0.541610	0.001080	0.003214
2529.2	0.002012	0.541733	0.001090	0.003244
2529.3	0.002031	0.541855	0.001100	0.003275
2529.4	0.002049	0.541978	0.001111	0.003305
2529.5	0.002067	0.542100	0.001121	0.003335
2529.6	0.002086	0.542223	0.001131	0.003366
2529.7	0.002104	0.542345	0.001141	0.003396
2529.8	0.002123	0.542468	0.001151	0.003427
2529.9	0.002141	0.542590	0.001162	0.003457
2530.0	0.002160	0.542712	0.001172	0.003488
2530.1	0.002178	0.542600	0.001182	0.003517
2530.2	0.002196	0.542488	0.001191	0.003546
2530.3	0.002215	0.542377	0.001201	0.003575
2530.4	0.002233	0.542265	0.001211	0.003604

2530.5	0.002252	0.542153	0.001221	0.003633
2530.6	0.002270	0.542042	0.001230	0.003662
2530.7	0.002288	0.541930	0.001240	0.003690
2530.8	0.002307	0.541818	0.001250	0.003719
2530.9	0.002325	0.541707	0.001260	0.003748
2531.0	0.002344	0.541596	0.001269	0.003777
2531.1	0.002362	0.541513	0.001279	0.003806
2531.2	0.002380	0.541431	0.001289	0.003835
2531.3	0.002399	0.541349	0.001299	0.003865
2531.4	0.002417	0.541267	0.001308	0.003894
2531.5	0.002436	0.541185	0.001318	0.003923
2531.6	0.002454	0.541103	0.001328	0.003952
2531.7	0.002472	0.541020	0.001338	0.003981
2531.8	0.002491	0.540938	0.001347	0.004010
2531.9	0.002509	0.541414	0.001359	0.004043
2532.0	0.002528	0.541332	0.001368	0.004072
2532.1	0.002546	0.541337	0.001378	0.004102
2532.2	0.002564	0.541341	0.001388	0.004131
2532.3	0.002583	0.541345	0.001398	0.004161
2532.4	0.002601	0.541349	0.001408	0.004191
2532.5	0.002620	0.541353	0.001418	0.004220
2532.6	0.002638	0.541357	0.001428	0.004250
2532.7	0.002656	0.541361	0.001438	0.004280
2532.8	0.002675	0.541365	0.001448	0.004309
2532.9	0.002693	0.541369	0.001458	0.004339
2533.0	0.002712	0.541373	0.001468	0.004369
2533.1	0.002730	0.541390	0.001478	0.004399
2533.2	0.002749	0.541407	0.001488	0.004428
2533.3	0.002767	0.541425	0.001498	0.004458
2533.4	0.002785	0.541442	0.001508	0.004488
2533.5	0.002804	0.541459	0.001518	0.004518
2533.6	0.002822	0.541475	0.001528	0.004548
2533.7	0.002841	0.541492	0.001538	0.004577
2533.8	0.002859	0.541509	0.001548	0.004607
2533.9	0.002877	0.541526	0.001558	0.004637
2534.0	0.002896	0.541543	0.001568	0.004667
2534.1	0.002914	0.541557	0.001578	0.004697
2534.2	0.002933	0.541572	0.001588	0.004726
2534.3	0.002951	0.541586	0.001598	0.004756
2534.4	0.002969	0.541601	0.001608	0.004786
2534.5	0.002988	0.541615	0.001618	0.004816
2534.6	0.003006	0.541629	0.001628	0.004845
2534.7	0.003024	0.541644	0.001638	0.004875

2534.8	0.003043	0.541658	0.001648	0.004905
2534.9	0.003061	0.541672	0.001658	0.004935
2535.0	0.003080	0.541686	0.001668	0.004965
2535.1	0.003098	0.541626	0.001678	0.004994
2535.2	0.003117	0.541566	0.001688	0.005023
2535.3	0.003135	0.541506	0.001698	0.005052
2535.4	0.003153	0.541445	0.001707	0.005081
2535.5	0.003172	0.541385	0.001717	0.005110
2535.6	0.003190	0.541325	0.001727	0.005139
2535.7	0.003209	0.541264	0.001737	0.005168
2535.8	0.003227	0.541204	0.001746	0.005197
2535.9	0.003245	0.541143	0.001756	0.005226
2536.0	0.003264	0.541083	0.001766	0.005255
2536.1	0.003282	0.540791	0.001775	0.005282
2536.2	0.003301	0.540500	0.001784	0.005309
2536.3	0.003319	0.540208	0.001793	0.005336
2536.4	0.003337	0.539917	0.001802	0.005362
2536.5	0.003356	0.539626	0.001811	0.005389
2536.6	0.003374	0.539335	0.001820	0.005416
2536.7	0.003393	0.539044	0.001829	0.005442
2536.8	0.003411	0.538753	0.001838	0.005469
2536.9	0.003429	0.538462	0.001847	0.005495
2537.0	0.003448	0.538171	0.001856	0.005522
2537.1	0.003466	0.537917	0.001865	0.005549
2537.2	0.003485	0.537664	0.001874	0.005576
2537.3	0.003503	0.537410	0.001883	0.005603
2537.4	0.003521	0.537157	0.001892	0.005629
2537.5	0.003540	0.536903	0.001901	0.005656
2537.6	0.003558	0.536650	0.001910	0.005683
2537.7	0.003577	0.536397	0.001919	0.005709
2537.8	0.003595	0.536144	0.001927	0.005736
2537.9	0.003614	0.535890	0.001936	0.005763
2538.0	0.003632	0.535637	0.001945	0.005789
2538.1	0.003650	0.535695	0.001955	0.005819
2538.2	0.003669	0.535753	0.001966	0.005849
2538.3	0.003687	0.535811	0.001976	0.005879
2538.4	0.003706	0.535868	0.001986	0.005909
2538.5	0.003724	0.535926	0.001996	0.005939
2538.6	0.003742	0.535432	0.002004	0.005963
2538.7	0.003761	0.535490	0.002014	0.005993
2538.8	0.003779	0.535547	0.002024	0.006023
2538.9	0.003798	0.535605	0.002034	0.006053
2539.0	0.003816	0.535661	0.002044	0.006083

2539.1	0.003834	0.535777	0.002054	0.006114
2539.2	0.003853	0.535893	0.002065	0.006144
2539.3	0.003871	0.536008	0.002075	0.006175
2539.4	0.003890	0.536124	0.002085	0.006206
2539.5	0.003908	0.536240	0.002096	0.006236
2539.6	0.003926	0.536741	0.002107	0.006272
2539.7	0.003945	0.537014	0.002118	0.006304
2539.8	0.003963	0.537130	0.002129	0.006335
2539.9	0.003982	0.537246	0.002139	0.006366
2540.0	0.004000	0.537362	0.002149	0.006397
2540.1	0.004018	0.537568	0.002160	0.006429
2540.2	0.004037	0.537774	0.002171	0.006460
2540.3	0.004055	0.537979	0.002182	0.006492
2540.4	0.004074	0.538185	0.002192	0.006524
2540.5	0.004092	0.538390	0.002203	0.006556
2540.6	0.004110	0.538596	0.002214	0.006588
2540.7	0.004129	0.538801	0.002225	0.006620
2540.8	0.004147	0.539007	0.002235	0.006652
2540.9	0.004166	0.539212	0.002246	0.006684
2541.0	0.004184	0.539418	0.002257	0.006716
2541.1	0.004202	0.539545	0.002267	0.006748
2541.2	0.004221	0.539672	0.002278	0.006779
2541.3	0.004239	0.539800	0.002288	0.006810
2541.4	0.004258	0.539927	0.002299	0.006841
2541.5	0.004276	0.540054	0.002309	0.006872
2541.6	0.004294	0.540181	0.002320	0.006904
2541.7	0.004313	0.540308	0.002330	0.006935
2541.8	0.004331	0.540435	0.002341	0.006966
2541.9	0.004350	0.540562	0.002351	0.006997
2542.0	0.004368	0.540688	0.002362	0.007029
2542.1	0.004386	0.540473	0.002371	0.007055
2542.2	0.004405	0.540257	0.002380	0.007082
2542.3	0.004423	0.539484	0.002386	0.007102
2542.4	0.004442	0.539269	0.002395	0.007128
2542.5	0.004460	0.539054	0.002404	0.007155
2542.6	0.004478	0.538839	0.002413	0.007182
2542.7	0.004497	0.538623	0.002422	0.007208
2542.8	0.004515	0.538408	0.002431	0.007235
2542.9	0.004534	0.538193	0.002440	0.007261
2543.0	0.004552	0.537978	0.002449	0.007288
2543.1	0.004571	0.537758	0.002458	0.007315
2543.2	0.004589	0.537539	0.002467	0.007341
2543.3	0.004607	0.537629	0.002477	0.007372

2543.4	0.004626	0.537500	0.002486	0.007399
2543.5	0.004644	0.537193	0.002495	0.007424
2543.6	0.004663	0.536887	0.002503	0.007450
2543.7	0.004681	0.536581	0.002512	0.007475
2543.8	0.004699	0.536274	0.002520	0.007500
2543.9	0.004718	0.535984	0.002529	0.007525
2544.0	0.004736	0.535765	0.002537	0.007551
2544.1	0.004755	0.535595	0.002547	0.007578
2544.2	0.004773	0.535425	0.002556	0.007605
2544.3	0.004791	0.535255	0.002565	0.007632
2544.4	0.004810	0.535085	0.002574	0.007659
2544.5	0.004828	0.534916	0.002583	0.007686
2544.6	0.004847	0.534746	0.002592	0.007713
2544.7	0.004865	0.534576	0.002601	0.007740
2544.8	0.004883	0.534406	0.002610	0.007766
2544.9	0.004902	0.534237	0.002619	0.007793
2545.0	0.004920	0.534067	0.002628	0.007820
2545.1	0.004939	0.533954	0.002637	0.007848
2545.2	0.004957	0.533841	0.002646	0.007875
2545.3	0.004975	0.533728	0.002656	0.007903
2545.4	0.004994	0.533615	0.002665	0.007930
2545.5	0.005012	0.533502	0.002674	0.007958
2545.6	0.005031	0.533389	0.002683	0.007985
2545.7	0.005049	0.533276	0.002693	0.008013
2545.8	0.005068	0.533163	0.002702	0.008040
2545.9	0.005086	0.533050	0.002711	0.008068
2546.0	0.005104	0.532937	0.002720	0.008095
2546.1	0.005123	0.533186	0.002731	0.008128
2546.2	0.005141	0.533436	0.002742	0.008161
2546.3	0.005160	0.533685	0.002754	0.008194
2546.4	0.005178	0.533935	0.002765	0.008227
2546.5	0.005196	0.534184	0.002776	0.008261
2546.6	0.005215	0.534434	0.002787	0.008294
2546.7	0.005233	0.534683	0.002798	0.008327
2546.8	0.005252	0.534933	0.002809	0.008360
2546.9	0.005270	0.535183	0.002820	0.008393
2547.0	0.005288	0.535432	0.002832	0.008426
2547.1	0.005307	0.535669	0.002843	0.008460
2547.2	0.005325	0.535905	0.002854	0.008493
2547.3	0.005344	0.536141	0.002865	0.008526
2547.4	0.005362	0.536377	0.002876	0.008559
2547.5	0.005380	0.536614	0.002887	0.008592
2547.6	0.005399	0.536850	0.002898	0.008625

2547.7	0.005417	0.537087	0.002910	0.008659
2547.8	0.005436	0.537878	0.002924	0.008701
2547.9	0.005454	0.538115	0.002935	0.008734
2548.0	0.005472	0.538351	0.002946	0.008767
2548.1	0.005491	0.538246	0.002955	0.008795
2548.2	0.005509	0.538140	0.002965	0.008823
2548.3	0.005528	0.538035	0.002974	0.008851
2548.4	0.005546	0.537929	0.002983	0.008878
2548.5	0.005564	0.537824	0.002993	0.008906
2548.6	0.005583	0.537382	0.003000	0.008928
2548.7	0.005601	0.537070	0.003008	0.008952
2548.8	0.005620	0.536965	0.003018	0.008980
2548.9	0.005638	0.536860	0.003027	0.009008
2549.0	0.005656	0.536755	0.003036	0.009035
2549.1	0.005675	0.536643	0.003045	0.009063
2549.2	0.005693	0.536531	0.003055	0.009090
2549.3	0.005712	0.536420	0.003064	0.009118
2549.4	0.005730	0.536308	0.003073	0.009145
2549.5	0.005749	0.536197	0.003082	0.009173
2549.6	0.005767	0.536085	0.003092	0.009200
2549.7	0.005785	0.535974	0.003101	0.009228
2549.8	0.005804	0.535862	0.003110	0.009255
2549.9	0.005822	0.535750	0.003119	0.009283
2550.0	0.005841	0.535639	0.003128	0.009310
2550.1	0.005859	0.535436	0.003137	0.009336
2550.2	0.005877	0.535234	0.003146	0.009362
2550.3	0.005896	0.535031	0.003154	0.009387
2550.4	0.005914	0.534828	0.003163	0.009413
2550.5	0.005933	0.534625	0.003172	0.009439
2550.6	0.005951	0.534422	0.003180	0.009464
2550.7	0.005969	0.534219	0.003189	0.009490
2550.8	0.005988	0.534340	0.003199	0.009521
2550.9	0.006006	0.534352	0.003209	0.009551
2551.0	0.006025	0.534149	0.003218	0.009577
2551.1	0.006043	0.533972	0.003227	0.009603
2551.2	0.006061	0.533795	0.003235	0.009629
2551.3	0.006080	0.533617	0.003244	0.009655
2551.4	0.006098	0.533440	0.003253	0.009681
2551.5	0.006117	0.533263	0.003262	0.009707
2551.6	0.006135	0.533085	0.003270	0.009733
2551.7	0.006153	0.532907	0.003279	0.009759
2551.8	0.006172	0.532730	0.003288	0.009785
2551.9	0.006190	0.532552	0.003297	0.009811

2552.0	0.006209	0.532374	0.003305	0.009836
2552.1	0.006227	0.532576	0.003316	0.009869
2552.2	0.006245	0.532777	0.003327	0.009902
2552.3	0.006264	0.532978	0.003338	0.009935
2552.4	0.006282	0.533179	0.003350	0.009968
2552.5	0.006301	0.533381	0.003361	0.010001
2552.6	0.006319	0.533582	0.003372	0.010034
2552.7	0.006337	0.533783	0.003383	0.010067
2552.8	0.006356	0.533985	0.003394	0.010100
2552.9	0.006374	0.534186	0.003405	0.010133
2553.0	0.006393	0.534387	0.003416	0.010166
2553.1	0.006411	0.534546	0.003427	0.010198
2553.2	0.006429	0.534704	0.003438	0.010231
2553.3	0.006448	0.534862	0.003449	0.010263
2553.4	0.006466	0.535020	0.003460	0.010296
2553.5	0.006485	0.535178	0.003470	0.010328
2553.6	0.006503	0.535336	0.003481	0.010360
2553.7	0.006522	0.535494	0.003492	0.010393
2553.8	0.006540	0.535652	0.003503	0.010425
2553.9	0.006558	0.535810	0.003514	0.010457
2554.0	0.006577	0.535968	0.003525	0.010490
2554.1	0.006595	0.535950	0.003535	0.010519
2554.2	0.006613	0.535932	0.003544	0.010548
2554.3	0.006632	0.535914	0.003554	0.010577
2554.4	0.006650	0.535896	0.003564	0.010606
2554.5	0.006669	0.535877	0.003574	0.010635
2554.6	0.006687	0.535859	0.003583	0.010664
2554.7	0.006705	0.535841	0.003593	0.010693
2554.8	0.006724	0.535823	0.003603	0.010722
2554.9	0.006742	0.535804	0.003613	0.010751
2555.0	0.006761	0.535786	0.003622	0.010780
2555.1	0.006779	0.535709	0.003632	0.010808
2555.2	0.006797	0.535632	0.003641	0.010835
2555.3	0.006816	0.535555	0.003650	0.010863
2555.4	0.006834	0.535478	0.003660	0.010891
2555.5	0.006853	0.535400	0.003669	0.010919
2555.6	0.006871	0.535323	0.003678	0.010946
2555.7	0.006890	0.535246	0.003688	0.010974
2555.8	0.006908	0.535169	0.003697	0.011002
2555.9	0.006926	0.535091	0.003706	0.011030
2556.0	0.006945	0.535014	0.003716	0.011057
2556.1	0.006963	0.534995	0.003725	0.011086
2556.2	0.006982	0.534975	0.003735	0.011115

2556.3	0.007000	0.534955	0.003745	0.011144
2556.4	0.007018	0.534935	0.003754	0.011173
2556.5	0.007037	0.534915	0.003764	0.011202
2556.6	0.007055	0.534895	0.003774	0.011231
2556.7	0.007074	0.534875	0.003783	0.011259
2556.8	0.007092	0.534855	0.003793	0.011288
2556.9	0.007110	0.534835	0.003803	0.011317
2557.0	0.007129	0.534815	0.003813	0.011346
2557.1	0.007147	0.534832	0.003823	0.011376
2557.2	0.007166	0.534849	0.003833	0.011405
2557.3	0.007184	0.534865	0.003842	0.011435
2557.4	0.007202	0.534882	0.003852	0.011465
2557.5	0.007221	0.534898	0.003862	0.011494
2557.6	0.007239	0.534915	0.003872	0.011524
2557.7	0.007258	0.534931	0.003882	0.011554
2557.8	0.007276	0.534948	0.003892	0.011583
2557.9	0.007294	0.534964	0.003902	0.011613
2558.0	0.007313	0.534981	0.003912	0.011643
2558.1	0.007331	0.535303	0.003924	0.011679
2558.2	0.007350	0.535625	0.003937	0.011715
2558.3	0.007368	0.535948	0.003949	0.011752
2558.4	0.007386	0.536270	0.003961	0.011788
2558.5	0.007405	0.536592	0.003973	0.011825
2558.6	0.007423	0.536914	0.003986	0.011861
2558.7	0.007442	0.537237	0.003998	0.011898
2558.8	0.007460	0.537559	0.004010	0.011934
2558.9	0.007478	0.537881	0.004023	0.011971
2559.0	0.007497	0.538203	0.004035	0.012008
2559.1	0.007515	0.538516	0.004047	0.012044
2559.2	0.007534	0.538828	0.004059	0.012080
2559.3	0.007552	0.539141	0.004072	0.012117
2559.4	0.007571	0.539453	0.004084	0.012154
2559.5	0.007589	0.539764	0.004096	0.012190
2559.6	0.007607	0.540075	0.004109	0.012227
2559.7	0.007626	0.540385	0.004121	0.012264
2559.8	0.007644	0.540696	0.004133	0.012300
2559.9	0.007663	0.541007	0.004146	0.012337
2560.0	0.007681	0.541318	0.004158	0.012374
2560.1	0.007699	0.541152	0.004167	0.012399
2560.2	0.007718	0.540986	0.004175	0.012425
2560.3	0.007736	0.540820	0.004184	0.012451
2560.4	0.007755	0.540654	0.004193	0.012477
2560.5	0.007773	0.540488	0.004201	0.012503

2560.6	0.007791	0.540322	0.004210	0.012528
2560.7	0.007810	0.540156	0.004219	0.012554
2560.8	0.007828	0.539990	0.004227	0.012580
2560.9	0.007847	0.539825	0.004236	0.012605
2561.0	0.007865	0.539659	0.004244	0.012631
2561.1	0.007883	0.539456	0.004253	0.012656
2561.2	0.007902	0.539253	0.004261	0.012681
2561.3	0.007920	0.539051	0.004269	0.012705
2561.4	0.007939	0.538848	0.004278	0.012730
2561.5	0.007957	0.538646	0.004286	0.012755
2561.6	0.007976	0.538444	0.004294	0.012780
2561.7	0.007994	0.538241	0.004303	0.012804
2561.8	0.008012	0.538039	0.004311	0.012829
2561.9	0.008031	0.537836	0.004319	0.012854
2562.0	0.008049	0.537634	0.004327	0.012878
2562.1	0.008068	0.537453	0.004336	0.012903
2562.2	0.008086	0.537272	0.004344	0.012929
2562.3	0.008104	0.537091	0.004353	0.012954
2562.4	0.008123	0.536910	0.004361	0.012979
2562.5	0.008141	0.536729	0.004370	0.013004
2562.6	0.008160	0.536548	0.004378	0.013029
2562.7	0.008178	0.536368	0.004386	0.013054
2562.8	0.008196	0.536187	0.004395	0.013079
2562.9	0.008215	0.536006	0.004403	0.013103
2563.0	0.008233	0.535825	0.004412	0.013128
2563.1	0.008252	0.535648	0.004420	0.013153
2563.2	0.008270	0.535470	0.004428	0.013178
2563.3	0.008288	0.535292	0.004437	0.013203
2563.4	0.008307	0.535115	0.004445	0.013228
2563.5	0.008325	0.534937	0.004453	0.013253
2563.6	0.008344	0.534760	0.004462	0.013278
2563.7	0.008362	0.534582	0.004470	0.013303
2563.8	0.008380	0.534405	0.004479	0.013328
2563.9	0.008399	0.534227	0.004487	0.013353
2564.0	0.008417	0.534050	0.004495	0.013377
2564.1	0.008436	0.534012	0.004505	0.013406
2564.2	0.008454	0.533423	0.004510	0.013420
2564.3	0.008472	0.533385	0.004519	0.013448
2564.4	0.008491	0.533347	0.004529	0.013477
2564.5	0.008509	0.533309	0.004538	0.013505
2564.6	0.008528	0.533272	0.004548	0.013533
2564.7	0.008546	0.533234	0.004557	0.013561
2564.8	0.008564	0.533196	0.004567	0.013590

2564.9	0.008583	0.533158	0.004576	0.013618
2565.0	0.008601	0.533120	0.004585	0.013646
2565.1	0.008620	0.533113	0.004595	0.013675
2565.2	0.008638	0.533106	0.004605	0.013704
2565.3	0.008656	0.533098	0.004615	0.013733
2565.4	0.008675	0.533091	0.004624	0.013762
2565.5	0.008693	0.533084	0.004634	0.013791
2565.6	0.008712	0.533077	0.004644	0.013820
2565.7	0.008730	0.533070	0.004654	0.013849
2565.8	0.008748	0.533063	0.004663	0.013878
2565.9	0.008767	0.533055	0.004673	0.013907
2566.0	0.008785	0.533048	0.004683	0.013936
2566.1	0.008804	0.533018	0.004693	0.013965
2566.2	0.008822	0.532988	0.004702	0.013993
2566.3	0.008840	0.532958	0.004712	0.014022
2566.4	0.008859	0.532928	0.004721	0.014050
2566.5	0.008877	0.532898	0.004731	0.014078
2566.6	0.008896	0.532868	0.004740	0.014107
2566.7	0.008914	0.532838	0.004750	0.014135
2566.8	0.008932	0.532808	0.004759	0.014163
2566.9	0.008951	0.532777	0.004769	0.014192
2567.0	0.008969	0.532197	0.004773	0.014205
2567.1	0.008988	0.532227	0.004783	0.014235
2567.2	0.009006	0.532257	0.004794	0.014265
2567.3	0.009024	0.532287	0.004804	0.014295
2567.4	0.009043	0.532317	0.004814	0.014325
2567.5	0.009061	0.532347	0.004824	0.014355
2567.6	0.009080	0.532377	0.004834	0.014385
2567.7	0.009098	0.532407	0.004844	0.014415
2567.8	0.009117	0.532436	0.004854	0.014445
2567.9	0.009135	0.532466	0.004864	0.014475
2568.0	0.009153	0.532495	0.004874	0.014505
2568.1	0.009172	0.532593	0.004885	0.014537
2568.2	0.009190	0.532691	0.004896	0.014569
2568.3	0.009209	0.533020	0.004908	0.014607
2568.4	0.009227	0.533424	0.004922	0.014647
2568.5	0.009245	0.533521	0.004933	0.014679
2568.6	0.009264	0.533619	0.004943	0.014711
2568.7	0.009282	0.533716	0.004954	0.014743
2568.8	0.009301	0.533814	0.004965	0.014775
2568.9	0.009319	0.533911	0.004976	0.014807
2569.0	0.009337	0.533457	0.004981	0.014823
2569.1	0.009356	0.533480	0.004991	0.014853

2569.2	0.009374	0.533504	0.005001	0.014883
2569.3	0.009393	0.533528	0.005011	0.014913
2569.4	0.009411	0.533551	0.005021	0.014943
2569.5	0.009429	0.533574	0.005031	0.014973
2569.6	0.009448	0.533598	0.005041	0.015003
2569.7	0.009466	0.533621	0.005051	0.015033
2569.8	0.009485	0.533644	0.005061	0.015063
2569.9	0.009503	0.533667	0.005071	0.015093
2570.0	0.009522	0.533691	0.005082	0.015122
2570.1	0.009540	0.533839	0.005093	0.015156
2570.2	0.009558	0.533988	0.005104	0.015189
2570.3	0.009577	0.534136	0.005115	0.015223
2570.4	0.009595	0.534285	0.005127	0.015256
2570.5	0.009614	0.534433	0.005138	0.015290
2570.6	0.009632	0.534581	0.005149	0.015323
2570.7	0.009650	0.534729	0.005160	0.015357
2570.8	0.009669	0.534877	0.005172	0.015390
2570.9	0.009687	0.535026	0.005183	0.015424
2571.0	0.009706	0.535174	0.005194	0.015457
2571.1	0.009724	0.535253	0.005205	0.015489
2571.2	0.009742	0.535332	0.005215	0.015521
2571.3	0.009761	0.535410	0.005226	0.015552
2571.4	0.009779	0.535489	0.005237	0.015584
2571.5	0.009798	0.535567	0.005247	0.015615
2571.6	0.009816	0.535862	0.005260	0.015654
2571.7	0.009834	0.536265	0.005274	0.015695
2571.8	0.009853	0.536343	0.005284	0.015726
2571.9	0.009871	0.536422	0.005295	0.015758
2572.0	0.009890	0.536500	0.005306	0.015790
2572.1	0.009908	0.536302	0.005314	0.015813
2572.2	0.009926	0.536105	0.005322	0.015837
2572.3	0.009945	0.535907	0.005329	0.015860
2572.4	0.009963	0.535709	0.005337	0.015884
2572.5	0.009982	0.535512	0.005345	0.015907
2572.6	0.010000	0.535868	0.005359	0.015947
2572.7	0.010019	0.535671	0.005367	0.015972
2572.8	0.010039	0.535473	0.005376	0.015998
2572.9	0.010060	0.535275	0.005385	0.016025
2573.0	0.010081	0.535078	0.005394	0.016053
2573.1	0.010102	0.534891	0.005403	0.016080
2573.2	0.010124	0.534704	0.005413	0.016110
2573.3	0.010147	0.534518	0.005424	0.016141
2573.4	0.010170	0.534331	0.005434	0.016172

2573.5	0.010194	0.534144	0.005445	0.016204
2573.6	0.010218	0.533958	0.005456	0.016237
2573.7	0.010242	0.533771	0.005467	0.016269
2573.8	0.010268	0.533585	0.005479	0.016305
2573.9	0.010293	0.533398	0.005490	0.016339
2574.0	0.010320	0.533212	0.005503	0.016376
2574.1	0.010346	0.533117	0.005516	0.016414
2574.2	0.010374	0.533574	0.005535	0.016473
2574.3	0.010402	0.533480	0.005549	0.016514
2574.4	0.010430	0.533385	0.005563	0.016556
2574.5	0.010459	0.533290	0.005578	0.016599
2574.6	0.010489	0.533196	0.005593	0.016644
2574.7	0.010519	0.533102	0.005608	0.016688
2574.8	0.010550	0.533007	0.005623	0.016734
2574.9	0.010581	0.532913	0.005639	0.016781
2575.0	0.010613	0.532819	0.005655	0.016828
2575.1	0.010628	0.532731	0.005662	0.016849
2575.2	0.010646	0.532643	0.005671	0.016875
2575.3	0.010667	0.532555	0.005681	0.016906
2575.4	0.010692	0.532467	0.005693	0.016942
2575.5	0.010719	0.532379	0.005707	0.016982
2575.6	0.010749	0.532291	0.005722	0.017027
2575.7	0.010783	0.532204	0.005739	0.017078
2575.8	0.010819	0.532116	0.005757	0.017132
2575.9	0.010859	0.532577	0.005783	0.017211
2576.0	0.010902	0.532489	0.005805	0.017276
2576.1	0.010947	0.532487	0.005829	0.017347
2576.2	0.010996	0.532485	0.005855	0.017425
2576.3	0.011048	0.532483	0.005883	0.017507
2576.4	0.011103	0.532481	0.005912	0.017594
2576.5	0.011161	0.532479	0.005943	0.017686
2576.6	0.011222	0.532477	0.005975	0.017783
2576.7	0.011286	0.532475	0.006010	0.017884
2576.8	0.011354	0.532471	0.006046	0.017992
2576.9	0.011424	0.532467	0.006083	0.018102
2577.0	0.011497	0.532463	0.006122	0.018218
2577.1	0.011574	0.532436	0.006162	0.018339
2577.2	0.011653	0.532409	0.006204	0.018463
2577.3	0.011736	0.532382	0.006248	0.018594
2577.4	0.011821	0.532287	0.006292	0.018725
2577.5	0.011910	0.532176	0.006338	0.018862
2577.6	0.012002	0.532064	0.006386	0.019004
2577.7	0.012097	0.531953	0.006435	0.019150

2577.8	0.012195	0.531841	0.006486	0.019301
2577.9	0.012296	0.531730	0.006538	0.019457
2578.0	0.012400	0.531632	0.006592	0.019618
2578.1	0.012600	0.530870	0.006689	0.019906
2578.2	0.012700	0.530657	0.006739	0.020056
2578.3	0.012870	0.530444	0.006827	0.020316
2578.4	0.013000	0.530231	0.006893	0.020513
2578.5	0.013200	0.530018	0.006996	0.020820
2578.6	0.013300	0.529805	0.007046	0.020970
2578.7	0.013400	0.529592	0.007097	0.021119
2578.8	0.013600	0.529379	0.007200	0.021426
2578.9	0.013700	0.529166	0.007250	0.021574
2579.0	0.013900	0.528953	0.007352	0.021881
2579.1	0.014000	0.528716	0.007402	0.022028
2579.2	0.014100	0.528479	0.007452	0.022175
2579.3	0.014290	0.527696	0.007541	0.022441
2579.4	0.014400	0.527459	0.007595	0.022604
2579.5	0.014600	0.527222	0.007697	0.022907
2579.6	0.014700	0.526985	0.007747	0.023054
2579.7	0.014900	0.526748	0.007849	0.023357
2579.8	0.015000	0.526511	0.007898	0.023503
2579.9	0.015100	0.526274	0.007947	0.023649
2580.0	0.015269	0.526038	0.008032	0.023903
2580.1	0.015400	0.525529	0.008093	0.024085
2580.2	0.015500	0.525565	0.008146	0.024243
2580.3	0.015670	0.525600	0.008236	0.024510
2580.4	0.015800	0.525636	0.008305	0.024715
2580.5	0.015900	0.525672	0.008358	0.024874
2580.6	0.016100	0.525707	0.008464	0.025188
2580.7	0.016200	0.525743	0.008517	0.025346
2580.8	0.016299	0.525778	0.008570	0.025503
2580.9	0.016400	0.525813	0.008623	0.025663
2581.0	0.016500	0.525304	0.008668	0.025794
2581.1	0.016700	0.525394	0.008774	0.026111
2581.2	0.016800	0.525484	0.008828	0.026272
2581.3	0.016890	0.525573	0.008877	0.026417
2581.4	0.017000	0.525663	0.008936	0.026594
2581.5	0.017100	0.525753	0.008990	0.026755
2581.6	0.017200	0.525842	0.009044	0.026916
2581.7	0.017348	0.525932	0.009124	0.027152
2581.8	0.017500	0.526022	0.009205	0.027395
2581.9	0.017600	0.526111	0.009260	0.027556
2582.0	0.017700	0.526201	0.009314	0.027717

2582.1	0.017800	0.525846	0.009360	0.027855
2582.2	0.017900	0.526038	0.009416	0.028022
2582.3	0.018050	0.526229	0.009498	0.028267
2582.4	0.018200	0.526420	0.009581	0.028512
2582.5	0.018300	0.526611	0.009637	0.028679
2582.6	0.018400	0.526802	0.009693	0.028846
2582.7	0.018500	0.526993	0.009749	0.029014
2582.8	0.018700	0.527184	0.009858	0.029338
2582.9	0.018800	0.527375	0.009915	0.029505
2583.0	0.018900	0.527566	0.009971	0.029673
2583.1	0.019068	0.527759	0.010063	0.029947
2583.2	0.019200	0.527952	0.010137	0.030166
2583.3	0.019330	0.528145	0.010209	0.030382
2583.4	0.019500	0.528338	0.010303	0.030660
2583.5	0.019600	0.528531	0.010359	0.030828
2583.6	0.019700	0.528724	0.010416	0.030997
2583.7	0.019900	0.528916	0.010525	0.031323
2583.8	0.020000	0.529109	0.010582	0.031492
2583.9	0.020100	0.529302	0.010639	0.031661
2584.0	0.020300	0.529495	0.010749	0.031988
2584.1	0.020400	0.529267	0.010797	0.032131
2584.2	0.020500	0.529038	0.010845	0.032275
2584.3	0.020690	0.528810	0.010941	0.032560
2584.4	0.020800	0.528581	0.010994	0.032719
2584.5	0.020986	0.528353	0.011088	0.032997
2584.6	0.021100	0.528124	0.011143	0.033162
2584.7	0.021300	0.527895	0.011244	0.033462
2584.8	0.021446	0.527667	0.011316	0.033677
2584.9	0.021600	0.527438	0.011393	0.033904
2585.0	0.021800	0.527209	0.011493	0.034203
2585.1	0.021900	0.526966	0.011541	0.034344
2585.2	0.022100	0.526723	0.011641	0.034642
2585.3	0.022250	0.526480	0.011714	0.034861
2585.4	0.022400	0.526237	0.011788	0.035080
2585.5	0.022581	0.525994	0.011877	0.035346
2585.6	0.022700	0.525751	0.011935	0.035517
2585.7	0.022900	0.525508	0.012034	0.035813
2585.8	0.023100	0.525265	0.012134	0.036109
2585.9	0.023300	0.525022	0.012233	0.036405
2586.0	0.023400	0.524779	0.012280	0.036544
2586.1	0.023610	0.524751	0.012389	0.036870
2586.2	0.023800	0.524723	0.012488	0.037165
2586.3	0.023970	0.524695	0.012577	0.037428

2586.4	0.024154	0.524667	0.012673	0.037713
2586.5	0.024340	0.525183	0.012783	0.038041
2586.6	0.024528	0.525155	0.012881	0.038334
2586.7	0.024700	0.525127	0.012971	0.038600
2586.8	0.024900	0.525098	0.013075	0.038910
2586.9	0.025100	0.525070	0.013179	0.039221
2587.0	0.025300	0.525042	0.013284	0.039531
2587.1	0.025500	0.525032	0.013388	0.039843
2587.2	0.025700	0.525021	0.013493	0.040155
2587.3	0.025890	0.525011	0.013593	0.040451
2587.4	0.026100	0.525001	0.013703	0.040778
2587.5	0.026300	0.524990	0.013807	0.041090
2587.6	0.026500	0.524980	0.013912	0.041401
2587.7	0.026700	0.524969	0.014017	0.041713
2587.8	0.026900	0.524959	0.014121	0.042025
2587.9	0.027100	0.524948	0.014226	0.042336
2588.0	0.027300	0.524938	0.014331	0.042648
2588.1	0.027500	0.525122	0.014441	0.042975
2588.2	0.027700	0.525307	0.014551	0.043303
2588.3	0.027920	0.525491	0.014672	0.043662
2588.4	0.028100	0.525676	0.014771	0.043959
2588.5	0.028347	0.525860	0.014906	0.044361
2588.6	0.028563	0.526045	0.015026	0.044715
2588.7	0.028800	0.526229	0.015155	0.045102
2588.8	0.029000	0.526414	0.015266	0.045431
2588.9	0.029200	0.526598	0.015377	0.045760
2589.0	0.029400	0.526783	0.015487	0.046090
2589.1	0.029700	0.526948	0.015650	0.046575
2589.2	0.029900	0.527113	0.015761	0.046903
2589.3	0.030130	0.527278	0.015887	0.047279
2589.4	0.030400	0.527444	0.016034	0.047717
2589.5	0.030592	0.527609	0.016141	0.048034
2589.6	0.030826	0.528321	0.016286	0.048467
2589.7	0.031100	0.528487	0.016436	0.048912
2589.8	0.031300	0.528652	0.016547	0.049242
2589.9	0.031500	0.528817	0.016658	0.049573
2590.0	0.031800	0.528983	0.016822	0.050060
2590.1	0.032000	0.528985	0.016928	0.050375
2590.2	0.032300	0.528988	0.017086	0.050848
2590.3	0.032540	0.528990	0.017213	0.051226
2590.4	0.032800	0.528992	0.017351	0.051636
2590.5	0.033100	0.528995	0.017510	0.052108
2590.6	0.033300	0.528997	0.017616	0.052423

2590.7	0.033600	0.529000	0.017774	0.052896
2590.8	0.033900	0.529002	0.017933	0.053368
2590.9	0.034200	0.529005	0.018092	0.053841
2591.0	0.034400	0.529008	0.018198	0.054156
2591.1	0.034700	0.528982	0.018356	0.054626
2591.2	0.035008	0.528957	0.018518	0.055107
2591.3	0.035300	0.528931	0.018671	0.055565
2591.4	0.035600	0.528906	0.018829	0.056034
2591.5	0.035900	0.528880	0.018987	0.056504
2591.6	0.036200	0.528855	0.019145	0.056973
2591.7	0.036500	0.528830	0.019302	0.057443
2591.8	0.036800	0.528805	0.019460	0.057912
2591.9	0.037128	0.528780	0.019632	0.058425
2592.0	0.037400	0.528755	0.019775	0.058851
2592.1	0.037800	0.528703	0.019985	0.059474
2592.2	0.038100	0.528651	0.020142	0.059940
2592.3	0.038420	0.528600	0.020309	0.060438
2592.4	0.038800	0.528548	0.020508	0.061030
2592.5	0.039089	0.528497	0.020658	0.061479
2592.6	0.039400	0.528446	0.020821	0.061961
2592.7	0.039800	0.528394	0.021030	0.062584
2592.8	0.040100	0.528342	0.021187	0.063050
2592.9	0.040500	0.528291	0.021396	0.063673
2593.0	0.040800	0.528240	0.021552	0.064138
2593.1	0.041200	0.528198	0.021762	0.064762
2593.2	0.041545	0.528157	0.021943	0.065300
2593.3	0.041910	0.528115	0.022133	0.065868
2593.4	0.042300	0.528073	0.022338	0.066475
2593.5	0.042600	0.528032	0.022494	0.066941
2593.6	0.043000	0.527990	0.022704	0.067565
2593.7	0.043400	0.527949	0.022913	0.068188
2593.8	0.043800	0.527907	0.023122	0.068811
2593.9	0.044200	0.527865	0.023332	0.069434
2594.0	0.044600	0.527824	0.023541	0.070057
2594.1	0.045000	0.527672	0.023745	0.070665
2594.2	0.045300	0.527493	0.023895	0.071112
2594.3	0.045750	0.527314	0.024125	0.071794
2594.4	0.046200	0.527135	0.024354	0.072475
2594.5	0.046600	0.526956	0.024556	0.073078
2594.6	0.047000	0.526777	0.024759	0.073680
2594.7	0.047400	0.526597	0.024961	0.074282
2594.8	0.047800	0.526495	0.025166	0.074894
2594.9	0.048200	0.526398	0.025372	0.075507

2595.0	0.048700	0.526301	0.025631	0.076276
2595.1	0.049100	0.526236	0.025838	0.076893
2595.2	0.049549	0.526170	0.026071	0.077587
2595.3	0.049990	0.526104	0.026300	0.078267
2595.4	0.050400	0.526038	0.026512	0.078899
2595.5	0.050900	0.525972	0.026772	0.079672
2595.6	0.051300	0.525906	0.026979	0.080288
2595.7	0.051800	0.525840	0.027238	0.081060
2595.8	0.052245	0.525773	0.027469	0.081747
2595.9	0.052700	0.525707	0.027705	0.082448
2596.0	0.053200	0.525641	0.027964	0.083220
2596.1	0.053600	0.525547	0.028169	0.083830
2596.2	0.054100	0.525538	0.028432	0.084611
2596.3	0.054600	0.525344	0.028684	0.085361
2596.4	0.055100	0.525250	0.028941	0.086128
2596.5	0.055600	0.525156	0.029199	0.086894
2596.6	0.056067	0.525062	0.029439	0.087609
2596.7	0.056600	0.524967	0.029713	0.088425
2596.8	0.057100	0.524873	0.029970	0.089190
2596.9	0.057600	0.524778	0.030227	0.089955
2597.0	0.058100	0.524684	0.030484	0.090719
2597.1	0.058600	0.524568	0.030740	0.091480
2597.2	0.059100	0.524453	0.030995	0.092240
2597.3	0.059670	0.524338	0.031287	0.093109
2597.4	0.060200	0.524222	0.031558	0.093916
2597.5	0.060700	0.524107	0.031813	0.094675
2597.6	0.061300	0.523992	0.032121	0.095590
2597.7	0.061900	0.523876	0.032428	0.096504
2597.8	0.062400	0.523761	0.032683	0.097262
2597.9	0.063000	0.523645	0.032990	0.098175
2598.0	0.063600	0.523529	0.033296	0.099089
2598.1	0.064100	0.523422	0.033551	0.099847
2598.2	0.064700	0.523315	0.033858	0.100761
2598.3	0.065310	0.523749	0.034206	0.101796
2598.4	0.065910	0.523642	0.034513	0.102709
2598.5	0.066500	0.523535	0.034815	0.103608
2598.6	0.067131	0.523427	0.035138	0.104569
2598.7	0.067800	0.523320	0.035481	0.105590
2598.8	0.068400	0.523212	0.035788	0.106502
2598.9	0.069000	0.523105	0.036094	0.107415
2599.0	0.069700	0.522997	0.036453	0.108482
2599.1	0.070300	0.522854	0.036757	0.109386
2599.2	0.071000	0.522710	0.037112	0.110445

2599.3	0.071640	0.522567	0.037437	0.111410
2599.4	0.072300	0.522423	0.037771	0.112405
2599.5	0.073000	0.522280	0.038126	0.113462
2599.6	0.073700	0.522136	0.038481	0.114519
2599.7	0.074400	0.521993	0.038836	0.115575
2599.8	0.075100	0.521849	0.039191	0.116630
2599.9	0.075800	0.521706	0.039545	0.117685
2600.0	0.076500	0.521562	0.039900	0.118739
2600.1	0.077300	0.521736	0.040330	0.120021
2600.2	0.078000	0.521370	0.040667	0.121022
2600.3	0.078760	0.521543	0.041077	0.122242
2600.4	0.079500	0.521717	0.041476	0.123432
2600.5	0.080300	0.521890	0.041908	0.124715
2600.6	0.081100	0.522064	0.042339	0.126000
2600.7	0.081800	0.522237	0.042719	0.127130
2600.8	0.082600	0.522410	0.043151	0.128415
2600.9	0.083400	0.522584	0.043583	0.129702
2601.0	0.084200	0.522757	0.044016	0.130990
2601.1	0.085000	0.522935	0.044449	0.132279
2601.2	0.085900	0.523112	0.044935	0.133725
2601.3	0.086700	0.523290	0.045369	0.135017
2601.4	0.087543	0.523468	0.045826	0.136376
2601.5	0.088400	0.523645	0.046290	0.137757
2601.6	0.089300	0.523823	0.046777	0.139207
2601.7	0.090100	0.524543	0.047261	0.140647
2601.8	0.091000	0.524721	0.047750	0.142100
2601.9	0.091900	0.524899	0.048238	0.143554
2602.0	0.092794	0.525077	0.048724	0.144999
2602.1	0.093700	0.524974	0.049190	0.146387
2602.2	0.094600	0.524871	0.049653	0.147764
2602.3	0.095540	0.524768	0.050136	0.149203
2602.4	0.096500	0.524665	0.050630	0.150673
2602.5	0.097400	0.524562	0.051092	0.152048
2602.6	0.098400	0.524459	0.051607	0.153579
2602.7	0.099327	0.524357	0.052083	0.154995
2602.8	0.100297	0.524254	0.052581	0.156479
2602.9	0.101277	0.524151	0.053084	0.157977
2603.0	0.102267	0.524048	0.053593	0.159490
2603.1	0.103268	0.523933	0.054105	0.161015
2603.2	0.104278	0.523819	0.054623	0.162555
2603.3	0.105300	0.523704	0.055146	0.164112
2603.4	0.106333	0.523048	0.055617	0.165513
2603.5	0.107376	0.522932	0.056151	0.167101

2603.6	0.108431	0.522818	0.056690	0.168706
2603.7	0.109497	0.522703	0.057235	0.170327
2603.8	0.110575	0.522631	0.057790	0.171980
2603.9	0.111664	0.523000	0.058400	0.173797
2604.0	0.112765	0.522886	0.058963	0.175472
2604.1	0.113878	0.522928	0.059550	0.177218
2604.2	0.115003	0.522970	0.060143	0.178983
2604.3	0.116140	0.523013	0.060743	0.180767
2604.4	0.117289	0.523055	0.061349	0.182571
2604.5	0.118451	0.523098	0.061961	0.184394
2604.6	0.119626	0.523140	0.062581	0.186238
2604.7	0.120813	0.523724	0.063273	0.188297
2604.8	0.122015	0.523767	0.063907	0.190184
2604.9	0.123229	0.523809	0.064549	0.192093
2605.0	0.124458	0.523852	0.065197	0.194024
2605.1	0.125701	0.523885	0.065853	0.195974
2605.2	0.126958	0.523917	0.066515	0.197947
2605.3	0.128230	0.523950	0.067186	0.199942
2605.4	0.129517	0.523983	0.067865	0.201962
2605.5	0.130819	0.524015	0.068551	0.204005
2605.6	0.132135	0.524048	0.069245	0.206071
2605.7	0.133467	0.524081	0.069947	0.208160
2605.8	0.134812	0.524113	0.070657	0.210271
2605.9	0.136172	0.524146	0.071374	0.212405
2606.0	0.137546	0.524179	0.072099	0.214562
2606.1	0.138933	0.524273	0.072839	0.216765
2606.2	0.140335	0.524367	0.073587	0.218991
2606.3	0.141750	0.524460	0.074342	0.221239
2606.4	0.143178	0.524554	0.075105	0.223508
2606.5	0.144621	0.524648	0.075875	0.225800
2606.6	0.146077	0.524742	0.076652	0.228114
2606.7	0.147546	0.524836	0.077438	0.230450
2606.8	0.149031	0.524930	0.078231	0.232810
2606.9	0.150529	0.525023	0.079031	0.235193
2607.0	0.152042	0.525117	0.079840	0.237599
2607.1	0.153570	0.525211	0.080656	0.240029
2607.2	0.155112	0.525305	0.081481	0.242484
2607.3	0.156670	0.525398	0.082314	0.244963
2607.4	0.158243	0.525492	0.083155	0.247466
2607.5	0.159832	0.525585	0.084005	0.249996
2607.6	0.161438	0.525679	0.084864	0.252552
2607.7	0.163060	0.525772	0.085733	0.255136
2607.8	0.164701	0.525866	0.086611	0.257749

2607.9	0.166359	0.525960	0.087498	0.260391
2608.0	0.168037	0.526053	0.088397	0.263064
2608.1	0.169735	0.526021	0.089284	0.265704
2608.2	0.171452	0.525988	0.090182	0.268376
2608.3	0.173190	0.525955	0.091090	0.271080
2608.4	0.174949	0.525922	0.092010	0.273817
2608.5	0.176730	0.525890	0.092940	0.276586
2608.6	0.178531	0.525857	0.093882	0.279387
2608.7	0.180352	0.525824	0.094834	0.282220
2608.8	0.182194	0.525791	0.095796	0.285084
2608.9	0.184055	0.525759	0.096769	0.287978
2609.0	0.185936	0.525726	0.097751	0.290902
2609.1	0.187835	0.525666	0.098738	0.293841
2609.2	0.189753	0.525605	0.099735	0.296807
2609.3	0.191690	0.525545	0.100742	0.299802
2609.4	0.193645	0.525484	0.101757	0.302824
2609.5	0.195617	0.525424	0.102782	0.305873
2609.6	0.197607	0.525364	0.103815	0.308949
2609.7	0.199613	0.525303	0.104858	0.312051
2609.8	0.201637	0.525243	0.105908	0.315177
2609.9	0.203676	0.525182	0.106967	0.318328
2610.0	0.205732	0.525122	0.108034	0.321504
2610.1	0.207803	0.524956	0.109087	0.324638
2610.2	0.209889	0.524790	0.110148	0.327793
2610.3	0.211990	0.524624	0.111215	0.330970
2610.4	0.214106	0.524458	0.112289	0.334168
2610.5	0.216236	0.524292	0.113371	0.337386
2610.6	0.218382	0.524126	0.114460	0.340626
2610.7	0.220544	0.523960	0.115556	0.343889
2610.8	0.222721	0.523794	0.116660	0.347174
2610.9	0.224915	0.523628	0.117772	0.350482
2611.0	0.227125	0.523462	0.118891	0.353815
2611.1	0.229353	0.523268	0.120013	0.357152
2611.2	0.231598	0.523075	0.121143	0.360515
2611.3	0.233860	0.522881	0.122281	0.363902
2611.4	0.236141	0.522687	0.123428	0.367314
2611.5	0.238439	0.522494	0.124583	0.370752
2611.6	0.240756	0.522300	0.125747	0.374216
2611.7	0.243091	0.522106	0.126920	0.377706
2611.8	0.245445	0.521913	0.128101	0.381221
2611.9	0.247817	0.521719	0.129291	0.384763
2612.0	0.250207	0.521525	0.130489	0.388330
2612.1	0.252616	0.521406	0.131716	0.391979

2612.2	0.255044	0.521288	0.132951	0.395656
2612.3	0.257490	0.521169	0.134196	0.399360
2612.4	0.259955	0.521050	0.135450	0.403091
2612.5	0.262438	0.520931	0.136712	0.406849
2612.6	0.264940	0.520813	0.137984	0.410634
2612.7	0.267460	0.520694	0.139265	0.414445
2612.8	0.269998	0.520575	0.140554	0.418282
2612.9	0.272554	0.520456	0.141852	0.422145
2613.0	0.275127	0.520338	0.143159	0.426034
2613.1	0.277718	0.520253	0.144483	0.429975
2613.2	0.280325	0.520168	0.145816	0.433942
2613.3	0.282950	0.520083	0.147158	0.437933
2613.4	0.285592	0.519998	0.148507	0.441950
2613.5	0.288250	0.519914	0.149865	0.445991
2613.6	0.290926	0.519829	0.151232	0.450058
2613.7	0.293619	0.519744	0.152607	0.454150
2613.8	0.296329	0.519122	0.153831	0.457793
2613.9	0.299057	0.519038	0.155222	0.461932
2614.0	0.301803	0.518953	0.156622	0.466098
2614.1	0.304567	0.519063	0.158090	0.470467
2614.2	0.307349	0.519174	0.159568	0.474865
2614.3	0.310150	0.519284	0.161056	0.479294
2614.4	0.312969	0.519394	0.162554	0.483753
2614.5	0.315806	0.519505	0.164063	0.488242
2614.6	0.318660	0.519616	0.165581	0.492759
2614.7	0.321530	0.519726	0.167107	0.497303
2614.8	0.324416	0.519837	0.168643	0.501873
2614.9	0.327316	0.520486	0.170363	0.506992
2615.0	0.330230	0.520597	0.171917	0.511616
2615.1	0.333158	0.520673	0.173467	0.516227
2615.2	0.336098	0.520750	0.175023	0.520860
2615.3	0.339050	0.520827	0.176586	0.525512
2615.4	0.342013	0.520904	0.178156	0.530183
2615.5	0.344986	0.520981	0.179731	0.534870
2615.6	0.347969	0.521058	0.181312	0.539574
2615.7	0.350960	0.521135	0.182897	0.544294
2615.8	0.353960	0.521212	0.184488	0.549027
2615.9	0.356967	0.521288	0.186083	0.553773
2616.0	0.359982	0.521365	0.187682	0.558532
2616.1	0.363003	0.521218	0.189203	0.563060
2616.2	0.366029	0.521071	0.190727	0.567593
2616.3	0.369060	0.520923	0.192252	0.572132
2616.4	0.372096	0.520776	0.193779	0.576675

2616.5	0.375136	0.520629	0.195307	0.581222
2616.6	0.378180	0.520482	0.196836	0.585774
2616.7	0.381230	0.520335	0.198367	0.590331
2616.8	0.384285	0.520188	0.199900	0.594893
2616.9	0.387344	0.520041	0.201435	0.599460
2617.0	0.390410	0.519894	0.202972	0.604033
2617.1	0.393481	0.519733	0.204505	0.608596
2617.2	0.396557	0.519572	0.206040	0.613165
2617.3	0.399640	0.519411	0.207577	0.617740
2617.4	0.402729	0.519250	0.209117	0.622321
2617.5	0.405823	0.519089	0.210658	0.626908
2617.6	0.408922	0.518928	0.212201	0.631500
2617.7	0.412025	0.518767	0.213745	0.636095
2617.8	0.415132	0.518607	0.215290	0.640692
2617.9	0.418241	0.518367	0.216802	0.645192
2618.0	0.421352	0.518126	0.218313	0.649690
2618.1	0.424464	0.518096	0.219914	0.654451
2618.2	0.427577	0.518067	0.221514	0.659213
2618.3	0.430690	0.518037	0.223113	0.663974
2618.4	0.433802	0.518007	0.224712	0.668733
2618.5	0.436913	0.517988	0.226316	0.673503
2618.6	0.440022	0.518038	0.227948	0.678362
2618.7	0.443130	0.518087	0.229580	0.683219
2618.8	0.446237	0.518137	0.231212	0.688075
2618.9	0.449342	0.518186	0.232843	0.692928
2619.0	0.452445	0.518236	0.234473	0.697780
2619.1	0.455545	0.518338	0.236127	0.702701
2619.2	0.458644	0.518440	0.237780	0.707620
2619.3	0.461740	0.518542	0.239432	0.712537
2619.4	0.464833	0.518644	0.241083	0.717451
2619.5	0.467923	0.518746	0.242733	0.722362
2619.6	0.471008	0.518848	0.244381	0.727267
2619.7	0.474087	0.518950	0.246027	0.732165
2619.8	0.477159	0.519052	0.247670	0.737054
2619.9	0.480223	0.519154	0.249310	0.741933
2620.0	0.483278	0.519256	0.250945	0.746800
2620.1	0.486324	0.519185	0.252492	0.751403
2620.2	0.489358	0.519114	0.254033	0.755988
2620.3	0.492380	0.519044	0.255567	0.760553
2620.4	0.495389	0.518436	0.256828	0.764306
2620.5	0.498384	0.518365	0.258345	0.768821
2620.6	0.501365	0.518294	0.259854	0.773314
2620.7	0.504331	0.518223	0.261356	0.777781

2620.8	0.507281	0.518152	0.262849	0.782224
2620.9	0.510214	0.518082	0.264332	0.786640
2621.0	0.513130	0.518011	0.265807	0.791028
2621.1	0.516029	0.517925	0.267264	0.795365
2621.2	0.518909	0.517840	0.268712	0.799672
2621.3	0.521770	0.517754	0.270149	0.803949
2621.4	0.524611	0.517669	0.271575	0.808193
2621.5	0.527432	0.517584	0.272990	0.812405
2621.6	0.530232	0.517498	0.274394	0.816582
2621.7	0.533009	0.517413	0.275786	0.820724
2621.8	0.535764	0.517327	0.277165	0.824830
2621.9	0.538496	0.517242	0.278532	0.828898
2622.0	0.541203	0.517157	0.279886	0.832928
2622.1	0.543884	0.516943	0.281158	0.836710
2622.2	0.546540	0.516730	0.282414	0.840450
2622.3	0.549170	0.516517	0.283656	0.844145
2622.4	0.551772	0.516305	0.284882	0.847796
2622.5	0.554346	0.516092	0.286094	0.851400
2622.6	0.556892	0.515879	0.287289	0.854957
2622.7	0.559409	0.515666	0.288468	0.858467
2622.8	0.561896	0.515453	0.289631	0.861928
2622.9	0.564353	0.515241	0.290778	0.865340
2623.0	0.566780	0.515029	0.291908	0.868703
2623.1	0.569175	0.514803	0.293013	0.871992
2623.2	0.571539	0.514578	0.294101	0.875230
2623.3	0.573870	0.514353	0.295172	0.878415
2623.4	0.576168	0.514128	0.296224	0.881548
2623.5	0.578434	0.513903	0.297259	0.884626
2623.6	0.580665	0.513678	0.298275	0.887650
2623.7	0.582863	0.513453	0.299273	0.890620
2623.8	0.585026	0.513228	0.300252	0.893534
2623.9	0.587154	0.513003	0.301212	0.896391
2624.0	0.589247	0.512779	0.302153	0.899193
2624.1	0.591304	0.512930	0.303297	0.902598
2624.2	0.593325	0.513081	0.304424	0.905949
2624.3	0.595310	0.513231	0.305532	0.909247
2624.4	0.597258	0.513382	0.306622	0.912490
2624.5	0.599170	0.513533	0.307693	0.915680
2624.6	0.601046	0.513684	0.308748	0.918817
2624.7	0.602888	0.513835	0.309785	0.921903
2624.8	0.604695	0.513986	0.310805	0.924939
2624.9	0.606470	0.514137	0.311808	0.927925
2625.0	0.608212	0.514287	0.312796	0.930863

2625.1	0.609922	0.514471	0.313787	0.933814
2625.2	0.611601	0.514654	0.314763	0.936718
2625.3	0.613250	0.514837	0.315724	0.939578
2625.4	0.614869	0.515021	0.316670	0.942394
2625.5	0.616459	0.515203	0.317601	0.945165
2625.6	0.618017	0.515385	0.318517	0.947889
2625.7	0.619545	0.515567	0.319417	0.950568
2625.8	0.621041	0.515749	0.320301	0.953199
2625.9	0.622505	0.515930	0.321169	0.955783
2626.0	0.623936	0.516112	0.322021	0.958319
2626.1	0.625335	0.516239	0.322822	0.960702
2626.2	0.626699	0.516365	0.323606	0.963034
2626.3	0.628030	0.516492	0.324372	0.965315
2626.4	0.629326	0.516618	0.325121	0.967544
2626.5	0.630587	0.516744	0.325853	0.969720
2626.6	0.631814	0.516871	0.326566	0.971845
2626.7	0.633007	0.516997	0.327263	0.973917
2626.8	0.634165	0.517123	0.327941	0.975937
2626.9	0.635288	0.517250	0.328603	0.977905
2627.0	0.636378	0.517376	0.329246	0.979820
2627.1	0.637433	0.517511	0.329878	0.981701
2627.2	0.638453	0.517646	0.330493	0.983531
2627.3	0.639440	0.517782	0.331090	0.985308
2627.4	0.640393	0.517917	0.331670	0.987034
2627.5	0.641311	0.518052	0.332233	0.988708
2627.6	0.642196	0.518188	0.332778	0.990331
2627.7	0.643048	0.518323	0.333307	0.991904
2627.8	0.643867	0.518458	0.333818	0.993427
2627.9	0.644654	0.518594	0.334313	0.994900
2628.0	0.645408	0.518729	0.334792	0.996323
2628.1	0.646130	0.518455	0.334989	0.996911
2628.2	0.646821	0.518181	0.335170	0.997449
2628.3	0.647480	0.517907	0.335334	0.997937
2628.4	0.648108	0.517632	0.335482	0.998377
2628.5	0.648705	0.517358	0.335613	0.998767
2628.6	0.649270	0.517084	0.335727	0.999108
2628.7	0.649804	0.516810	0.335825	0.999399
2628.8	0.650306	0.516536	0.335906	0.999640
2628.9	0.650776	0.516262	0.335971	0.999831
2629.0	0.651214	0.515987	0.336018	0.999972
2629.1	0.651618	0.515681	0.336027	1.000000
2629.2	0.651991	0.515375	0.336019	0.999977
2629.3	0.652330	0.515068	0.335995	0.999902

2629.4	0.652636	0.514762	0.335952	0.999777
2629.5	0.652910	0.514456	0.335893	0.999601
2629.6	0.653151	0.514150	0.335817	0.999375
2629.7	0.653360	0.513844	0.335725	0.999100
2629.8	0.653538	0.513538	0.335616	0.998777
2629.9	0.653685	0.513232	0.335492	0.998406
2630.0	0.653801	0.512926	0.335351	0.997988
2630.1	0.653887	0.512835	0.335336	0.997944
2630.2	0.653943	0.512745	0.335306	0.997854
2630.3	0.653970	0.512655	0.335261	0.997719
2630.4	0.653968	0.512564	0.335201	0.997540
2630.5	0.653938	0.512474	0.335126	0.997317
2630.6	0.653880	0.512383	0.335037	0.997053
2630.7	0.653795	0.512293	0.334934	0.996747
2630.8	0.653684	0.512202	0.334818	0.996401
2630.9	0.653546	0.512111	0.334689	0.996016
2631.0	0.653384	0.512021	0.334546	0.995592
2631.1	0.653196	0.511925	0.334388	0.995121
2631.2	0.652985	0.511830	0.334217	0.994613
2631.3	0.652750	0.511734	0.334034	0.994069
2631.4	0.652492	0.511638	0.333840	0.993491
2631.5	0.652212	0.511543	0.333634	0.992878
2631.6	0.651910	0.511447	0.333417	0.992233
2631.7	0.651586	0.511352	0.333189	0.991554
2631.8	0.651240	0.511256	0.332950	0.990843
2631.9	0.650874	0.511160	0.332701	0.990101
2632.0	0.650488	0.511064	0.332441	0.989328
2632.1	0.650081	0.511004	0.332194	0.988592
2632.2	0.649655	0.510943	0.331937	0.987828
2632.3	0.649210	0.510883	0.331670	0.987034
2632.4	0.648746	0.510823	0.331394	0.986212
2632.5	0.648264	0.510762	0.331109	0.985362
2632.6	0.647764	0.510702	0.330814	0.984486
2632.7	0.647248	0.510641	0.330511	0.983585
2632.8	0.646715	0.510580	0.330200	0.982659
2632.9	0.646167	0.510520	0.329881	0.981709
2633.0	0.645604	0.510460	0.329555	0.980737
2633.1	0.645026	0.510387	0.329213	0.979721
2633.2	0.644435	0.510315	0.328865	0.978685
2633.3	0.643830	0.510243	0.328510	0.977629
2633.4	0.643213	0.510171	0.328149	0.976554
2633.5	0.642584	0.510099	0.327782	0.975462
2633.6	0.641944	0.510027	0.327409	0.974352

2633.7	0.641292	0.509955	0.327030	0.973225
2633.8	0.640629	0.509883	0.326646	0.972082
2633.9	0.639956	0.509811	0.326257	0.970924
2634.0	0.639274	0.509739	0.325863	0.969751
2634.1	0.638581	0.509454	0.325328	0.968158
2634.2	0.637880	0.509168	0.324788	0.966554
2634.3	0.637170	0.508883	0.324245	0.964937
2634.4	0.636452	0.508598	0.323698	0.963309
2634.5	0.635726	0.508313	0.323148	0.961670
2634.6	0.634992	0.508028	0.322593	0.960021
2634.7	0.634250	0.507743	0.322036	0.958363
2634.8	0.633501	0.507458	0.321475	0.956694
2634.9	0.632744	0.507174	0.320911	0.955016
2635.0	0.631981	0.506890	0.320345	0.953329
2635.1	0.631211	0.506606	0.319775	0.951634
2635.2	0.630433	0.506322	0.319202	0.949930
2635.3	0.629650	0.506038	0.318627	0.948217
2635.4	0.628860	0.505754	0.318049	0.946496
2635.5	0.628065	0.504947	0.317140	0.943791
2635.6	0.627264	0.504664	0.316558	0.942059
2635.7	0.626458	0.504381	0.315974	0.940321
2635.8	0.625648	0.504098	0.315388	0.938579
2635.9	0.624834	0.503816	0.314801	0.936832
2636.0	0.624017	0.503533	0.314213	0.935082
2636.1	0.623197	0.503682	0.313893	0.934129
2636.2	0.622374	0.503831	0.313572	0.933173
2636.3	0.621550	0.503981	0.313249	0.932214
2636.4	0.620724	0.504130	0.312926	0.931251
2636.5	0.619897	0.504279	0.312601	0.930284
2636.6	0.619068	0.504428	0.312275	0.929315
2636.7	0.618237	0.504577	0.311948	0.928342
2636.8	0.617405	0.504726	0.311620	0.927366
2636.9	0.616570	0.504875	0.311291	0.926386
2637.0	0.615734	0.505024	0.310960	0.925402
2637.1	0.614895	0.505167	0.310625	0.924403
2637.2	0.614054	0.505835	0.310610	0.924358
2637.3	0.613210	0.505978	0.310271	0.923350
2637.4	0.612364	0.506121	0.309930	0.922337
2637.5	0.611515	0.506265	0.309588	0.921319
2637.6	0.610665	0.506408	0.309245	0.920298
2637.7	0.609812	0.506551	0.308901	0.919272
2637.8	0.608957	0.506694	0.308555	0.918243
2637.9	0.608100	0.506837	0.308208	0.917211

2638.0	0.607242	0.506980	0.307860	0.916175
2638.1	0.606383	0.507117	0.307507	0.915126
2638.2	0.605522	0.507255	0.307154	0.914074
2638.3	0.604660	0.507392	0.306800	0.913020
2638.4	0.603797	0.507529	0.306445	0.911963
2638.5	0.602934	0.507666	0.306089	0.910905
2638.6	0.602071	0.507803	0.305733	0.909847
2638.7	0.601208	0.507940	0.305378	0.908788
2638.8	0.600347	0.508077	0.305022	0.907730
2638.9	0.599486	0.508214	0.304667	0.906674
2639.0	0.598628	0.508351	0.304313	0.905620
2639.1	0.597772	0.508498	0.303966	0.904588
2639.2	0.596920	0.508646	0.303621	0.903560
2639.3	0.596070	0.508794	0.303277	0.902536
2639.4	0.595224	0.508941	0.302934	0.901517
2639.5	0.594383	0.509089	0.302594	0.900504
2639.6	0.593545	0.509237	0.302255	0.899495
2639.7	0.592711	0.509384	0.301918	0.898492
2639.8	0.591882	0.509532	0.301583	0.897495
2639.9	0.591057	0.509679	0.301250	0.896503
2640.0	0.590236	0.509827	0.300918	0.895517
2640.1	0.589419	0.509631	0.300386	0.893934
2640.2	0.588607	0.509435	0.299857	0.892359
2640.3	0.587800	0.509238	0.299330	0.890792
2640.4	0.586997	0.509042	0.298806	0.889232
2640.5	0.586199	0.508846	0.298285	0.887680
2640.6	0.585406	0.508649	0.297766	0.886138
2640.7	0.584618	0.508453	0.297251	0.884604
2640.8	0.583836	0.508257	0.296739	0.883080
2640.9	0.583060	0.508061	0.296230	0.881565
2641.0	0.582291	0.507864	0.295725	0.880061
2641.1	0.581527	0.507652	0.295213	0.878539
2641.2	0.580770	0.507439	0.294705	0.877028
2641.3	0.580020	0.507227	0.294202	0.875529
2641.4	0.579277	0.507014	0.293702	0.874041
2641.5	0.578542	0.506802	0.293206	0.872566
2641.6	0.577814	0.506589	0.292714	0.871103
2641.7	0.577094	0.506377	0.292227	0.869652
2641.8	0.576382	0.506164	0.291744	0.868215
2641.9	0.575678	0.505952	0.291265	0.866791
2642.0	0.574983	0.505739	0.290791	0.865380
2642.1	0.574296	0.505617	0.290374	0.864138
2642.2	0.573619	0.505496	0.289962	0.862911

2642.3	0.572950	0.505374	0.289554	0.861698
2642.4	0.572291	0.505252	0.289151	0.860499
2642.5	0.571640	0.505131	0.288753	0.859314
2642.6	0.570999	0.505009	0.288360	0.858143
2642.7	0.570366	0.504887	0.287971	0.856986
2642.8	0.569742	0.504766	0.287586	0.855842
2642.9	0.569126	0.504644	0.287206	0.854711
2643.0	0.568518	0.504523	0.286830	0.853592
2643.1	0.567918	0.504342	0.286425	0.852385
2643.2	0.567325	0.504161	0.286023	0.851190
2643.3	0.566740	0.503980	0.285626	0.850007
2643.4	0.566162	0.503799	0.285232	0.848836
2643.5	0.565591	0.503546	0.284801	0.847554
2643.6	0.565028	0.503289	0.284373	0.846279
2643.7	0.564473	0.503033	0.283949	0.845016
2643.8	0.563926	0.502776	0.283529	0.843767
2643.9	0.563388	0.502520	0.283113	0.842531
2644.0	0.562857	0.502263	0.282703	0.841308
2644.1	0.562336	0.502329	0.282477	0.840638
2644.2	0.561823	0.502467	0.282298	0.840104
2644.3	0.561320	0.502609	0.282124	0.839587
2644.4	0.560826	0.502750	0.281955	0.839084
2644.5	0.560342	0.502891	0.281791	0.838594
2644.6	0.559866	0.503032	0.281630	0.838118
2644.7	0.559400	0.503172	0.281475	0.837654
2644.8	0.558943	0.503313	0.281323	0.837203
2644.9	0.558495	0.503453	0.281176	0.836766
2645.0	0.558056	0.503593	0.281033	0.836340
2645.1	0.557625	0.503778	0.280919	0.836001
2645.2	0.557203	0.503962	0.280809	0.835675
2645.3	0.556790	0.504491	0.280896	0.835931
2645.4	0.556385	0.504838	0.280884	0.835897
2645.5	0.555989	0.505022	0.280787	0.835607
2645.6	0.555602	0.505206	0.280693	0.835329
2645.7	0.555223	0.505390	0.280604	0.835064
2645.8	0.554853	0.505574	0.280519	0.834811
2645.9	0.554492	0.505758	0.280439	0.834571
2646.0	0.554140	0.505941	0.280363	0.834345
2646.1	0.553798	0.505981	0.280211	0.833895
2646.2	0.553464	0.506021	0.280065	0.833458
2646.3	0.553140	0.506061	0.279923	0.833036
2646.4	0.552825	0.506101	0.279785	0.832627
2646.5	0.552520	0.506141	0.279653	0.832232

2646.6	0.552222	0.506181	0.279524	0.831850
2646.7	0.551934	0.506220	0.279400	0.831481
2646.8	0.551653	0.506260	0.279280	0.831124
2646.9	0.551381	0.506300	0.279164	0.830778
2647.0	0.551115	0.506340	0.279051	0.830443
2647.1	0.550857	0.506430	0.278970	0.830201
2647.2	0.550605	0.506520	0.278892	0.829970
2647.3	0.550360	0.506610	0.278818	0.829748
2647.4	0.550121	0.506700	0.278746	0.829534
2647.5	0.549888	0.506790	0.278678	0.829330
2647.6	0.549661	0.506880	0.278612	0.829134
2647.7	0.549439	0.506970	0.278549	0.828948
2647.8	0.549224	0.507060	0.278489	0.828770
2647.9	0.549015	0.507149	0.278433	0.828602
2648.0	0.548812	0.507239	0.278379	0.828442
2648.1	0.548616	0.507091	0.278198	0.827903
2648.2	0.548425	0.506942	0.278020	0.827372
2648.3	0.548240	0.506793	0.277844	0.826850
2648.4	0.548061	0.506644	0.277672	0.826338
2648.5	0.547889	0.506495	0.277503	0.825835
2648.6	0.547722	0.506346	0.277337	0.825341
2648.7	0.547561	0.506197	0.277174	0.824856
2648.8	0.547406	0.506048	0.277014	0.824379
2648.9	0.547257	0.505899	0.276857	0.823912
2649.0	0.547114	0.505750	0.276703	0.823454
2649.1	0.546977	0.505520	0.276508	0.822873
2649.2	0.546846	0.505290	0.276316	0.822301
2649.3	0.546720	0.505060	0.276126	0.821738
2649.4	0.546600	0.504830	0.275940	0.821183
2649.5	0.546486	0.504600	0.275757	0.820638
2649.6	0.546378	0.504370	0.275577	0.820103
2649.7	0.546277	0.504140	0.275400	0.819578
2649.8	0.546184	0.503910	0.275227	0.819063
2649.9	0.546097	0.503680	0.275058	0.818559
2650.0	0.546018	0.503450	0.274893	0.818067
2650.1	0.545947	0.503553	0.274913	0.818128
2650.2	0.545884	0.503656	0.274938	0.818200
2650.3	0.545830	0.503758	0.274966	0.818286
2650.4	0.545785	0.503861	0.275000	0.818385
2650.5	0.545749	0.503964	0.275037	0.818497
2650.6	0.545722	0.504066	0.275080	0.818623
2650.7	0.545704	0.504169	0.275127	0.818763
2650.8	0.545696	0.504271	0.275179	0.818918

2650.9	0.545697	0.504374	0.275235	0.819086
2651.0	0.545708	0.504476	0.275297	0.819269
2651.1	0.545729	0.504538	0.275341	0.819400
2651.2	0.545759	0.504600	0.275390	0.819546
2651.3	0.545800	0.504661	0.275444	0.819708
2651.4	0.545851	0.504409	0.275332	0.819373
2651.5	0.545912	0.504277	0.275291	0.819251
2651.6	0.545983	0.504338	0.275360	0.819458
2651.7	0.546064	0.504400	0.275435	0.819679
2651.8	0.546155	0.504461	0.275514	0.819916
2651.9	0.546256	0.504523	0.275599	0.820168
2652.0	0.546367	0.504584	0.275688	0.820434
2652.1	0.546488	0.504428	0.275664	0.820362
2652.2	0.546619	0.504272	0.275645	0.820304
2652.3	0.546760	0.504115	0.275630	0.820261
2652.4	0.546910	0.503959	0.275621	0.820233
2652.5	0.547071	0.503803	0.275616	0.820218
2652.6	0.547239	0.503646	0.275615	0.820217
2652.7	0.547417	0.503800	0.275788	0.820732
2652.8	0.547603	0.503841	0.275905	0.821079
2652.9	0.547796	0.503685	0.275917	0.821115
2653.0	0.547997	0.503529	0.275932	0.821160
2653.1	0.548205	0.503389	0.275960	0.821244
2653.2	0.548419	0.503249	0.275992	0.821337
2653.3	0.548640	0.503109	0.276026	0.821439
2653.4	0.548866	0.502970	0.276063	0.821550
2653.5	0.549098	0.502830	0.276103	0.821669
2653.6	0.549335	0.502691	0.276146	0.821796
2653.7	0.549578	0.502552	0.276191	0.821931
2653.8	0.549825	0.502412	0.276239	0.822072
2653.9	0.550077	0.502272	0.276289	0.822221
2654.0	0.550334	0.502133	0.276341	0.822376
2654.1	0.550595	0.502010	0.276404	0.822565
2654.2	0.550861	0.501887	0.276470	0.822760
2654.3	0.551130	0.501764	0.276537	0.822960
2654.4	0.551403	0.501641	0.276606	0.823167
2654.5	0.551680	0.501518	0.276678	0.823378
2654.6	0.551961	0.501395	0.276751	0.823595
2654.7	0.552245	0.501272	0.276825	0.823818
2654.8	0.552533	0.501150	0.276902	0.824045
2654.9	0.552824	0.501027	0.276980	0.824277
2655.0	0.553118	0.500904	0.277059	0.824514
2655.1	0.553416	0.500712	0.277102	0.824641

2655.2	0.553716	0.500519	0.277146	0.824772
2655.3	0.554020	0.500327	0.277191	0.824907
2655.4	0.554326	0.500135	0.277238	0.825046
2655.5	0.554636	0.499943	0.277286	0.825190
2655.6	0.554948	0.499751	0.277336	0.825337
2655.7	0.555263	0.499559	0.277387	0.825489
2655.8	0.555582	0.499367	0.277439	0.825644
2655.9	0.555903	0.499174	0.277492	0.825803
2656.0	0.556227	0.498466	0.277260	0.825113
2656.1	0.556555	0.498472	0.277427	0.825609
2656.2	0.556886	0.498478	0.277595	0.826110
2656.3	0.557220	0.498484	0.277765	0.826615
2656.4	0.557557	0.498490	0.277937	0.827125
2656.5	0.557898	0.498496	0.278110	0.827641
2656.6	0.558243	0.498501	0.278285	0.828162
2656.7	0.558592	0.498507	0.278462	0.828688
2656.8	0.558945	0.498512	0.278641	0.829221
2656.9	0.559304	0.498517	0.278822	0.829761
2657.0	0.559667	0.498522	0.279006	0.830309
2657.1	0.560036	0.498584	0.279225	0.830959
2657.2	0.560410	0.498646	0.279446	0.831617
2657.3	0.560790	0.498708	0.279670	0.832284
2657.4	0.561176	0.498769	0.279898	0.832961
2657.5	0.561569	0.498831	0.280128	0.833646
2657.6	0.561968	0.498892	0.280361	0.834341
2657.7	0.562372	0.498953	0.280598	0.835044
2657.8	0.562783	0.499014	0.280837	0.835756
2657.9	0.563199	0.499076	0.281079	0.836476
2658.0	0.563621	0.499137	0.281324	0.837205
2658.1	0.564048	0.499052	0.281489	0.837698
2658.2	0.564482	0.498967	0.281658	0.838199
2658.3	0.564920	0.498882	0.281829	0.838708
2658.4	0.565364	0.498798	0.282002	0.839224
2658.5	0.565812	0.498713	0.282178	0.839747
2658.6	0.566266	0.498628	0.282356	0.840277
2658.7	0.566723	0.498544	0.282536	0.840813
2658.8	0.567185	0.498459	0.282718	0.841355
2658.9	0.567650	0.498374	0.282902	0.841901
2659.0	0.568118	0.498289	0.283087	0.842453
2659.1	0.568590	0.498228	0.283288	0.843049
2659.2	0.569064	0.498167	0.283489	0.843649
2659.3	0.569540	0.497590	0.283398	0.843377
2659.4	0.570018	0.497530	0.283601	0.843982

2659.5	0.570498	0.497469	0.283805	0.844590
2659.6	0.570980	0.497389	0.284000	0.845168
2659.7	0.571464	0.497254	0.284163	0.845655
2659.8	0.571950	0.497119	0.284327	0.846144
2659.9	0.572438	0.496984	0.284493	0.846635
2660.0	0.572928	0.496849	0.284659	0.847129
2660.1	0.573420	0.496746	0.284844	0.847682
2660.2	0.573914	0.496643	0.285030	0.848236
2660.3	0.574410	0.496554	0.285225	0.848816
2660.4	0.574908	0.496525	0.285456	0.849503
2660.5	0.575408	0.496497	0.285688	0.850193
2660.6	0.575910	0.496468	0.285921	0.850886
2660.7	0.576413	0.496440	0.286155	0.851581
2660.8	0.576919	0.496411	0.286389	0.852279
2660.9	0.577426	0.496383	0.286624	0.852979
2661.0	0.577935	0.496354	0.286860	0.853681
2661.1	0.578445	0.495742	0.286759	0.853381
2661.2	0.578957	0.495645	0.286957	0.853969
2661.3	0.579470	0.495548	0.287155	0.854560
2661.4	0.579985	0.495452	0.287354	0.855152
2661.5	0.580500	0.495355	0.287554	0.855745
2661.6	0.581017	0.495258	0.287754	0.856340
2661.7	0.581535	0.495162	0.287954	0.856936
2661.8	0.582054	0.495065	0.288154	0.857532
2661.9	0.582573	0.494968	0.288355	0.858129
2662.0	0.583092	0.494871	0.288555	0.858726
2662.1	0.583611	0.494876	0.288815	0.859499
2662.2	0.584131	0.494881	0.289075	0.860273
2662.3	0.584650	0.494886	0.289335	0.861046
2662.4	0.585169	0.494890	0.289594	0.861818
2662.5	0.585688	0.494895	0.289854	0.862590
2662.6	0.586207	0.494899	0.290113	0.863363
2662.7	0.586726	0.494904	0.290373	0.864135
2662.8	0.587246	0.494908	0.290633	0.864909
2662.9	0.587766	0.494913	0.290893	0.865683
2663.0	0.588288	0.494917	0.291154	0.866459
2663.1	0.588811	0.494929	0.291420	0.867250
2663.2	0.589334	0.494942	0.291686	0.868043
2663.3	0.589860	0.494953	0.291953	0.868838
2663.4	0.590387	0.494965	0.292221	0.869635
2663.5	0.590916	0.494977	0.292490	0.870435
2663.6	0.591446	0.494989	0.292759	0.871237
2663.7	0.591978	0.495001	0.293030	0.872041

2663.8	0.592510	0.495013	0.293300	0.872846
2663.9	0.593043	0.495024	0.293571	0.873652
2664.0	0.593577	0.495036	0.293842	0.874459
2664.1	0.594111	0.494737	0.293929	0.874717
2664.2	0.594646	0.494437	0.294015	0.874974
2664.3	0.595180	0.494138	0.294101	0.875230
2664.4	0.595714	0.493839	0.294187	0.875485
2664.5	0.596248	0.493540	0.294272	0.875738
2664.6	0.596781	0.493241	0.294357	0.875991
2664.7	0.597314	0.492942	0.294441	0.876242
2664.8	0.597846	0.492643	0.294525	0.876490
2664.9	0.598377	0.492344	0.294607	0.876737
2665.0	0.598907	0.492045	0.294690	0.876981
2665.1	0.599436	0.491766	0.294782	0.877256
2665.2	0.599964	0.491486	0.294874	0.877529
2665.3	0.600490	0.491207	0.294965	0.877800
2665.4	0.601015	0.490927	0.295054	0.878067
2665.5	0.601538	0.490648	0.295143	0.878331
2665.6	0.602061	0.490368	0.295231	0.878594
2665.7	0.602582	0.490089	0.295319	0.878854
2665.8	0.603102	0.489810	0.295405	0.879111
2665.9	0.603622	0.489530	0.295491	0.879368
2666.0	0.604142	0.489251	0.295577	0.879623
2666.1	0.604661	0.489263	0.295838	0.880400
2666.2	0.605181	0.489275	0.296100	0.881178
2666.3	0.605700	0.489287	0.296361	0.881955
2666.4	0.606220	0.489298	0.296622	0.882733
2666.5	0.606740	0.489310	0.296884	0.883511
2666.6	0.607260	0.489322	0.297146	0.884290
2666.7	0.607781	0.489333	0.297408	0.885070
2666.8	0.608302	0.489345	0.297669	0.885849
2666.9	0.608823	0.489356	0.297931	0.886629
2667.0	0.609345	0.489368	0.298194	0.887409
2667.1	0.609866	0.489413	0.298476	0.888250
2667.2	0.610388	0.489458	0.298759	0.889092
2667.3	0.610910	0.489503	0.299042	0.889934
2667.4	0.611432	0.489547	0.299325	0.890775
2667.5	0.611953	0.489592	0.299608	0.891617
2667.6	0.612474	0.489128	0.299578	0.891529
2667.7	0.612993	0.489173	0.299859	0.892366
2667.8	0.613510	0.489217	0.300140	0.893201
2667.9	0.614025	0.489262	0.300419	0.894032
2668.0	0.614537	0.489307	0.300697	0.894858

2668.1	0.615045	0.489472	0.301047	0.895901
2668.2	0.615550	0.489636	0.301396	0.896938
2668.3	0.616050	0.489801	0.301742	0.897969
2668.4	0.616545	0.489966	0.302086	0.898993
2668.5	0.617036	0.490131	0.302428	0.900011
2668.6	0.617521	0.490296	0.302768	0.901023
2668.7	0.618002	0.490461	0.303106	0.902028
2668.8	0.618478	0.490626	0.303441	0.903025
2668.9	0.618948	0.490791	0.303774	0.904016
2669.0	0.619414	0.490955	0.304105	0.905000
2669.1	0.619874	0.491116	0.304430	0.905969
2669.2	0.620330	0.491277	0.304754	0.906931
2669.3	0.620780	0.491437	0.305074	0.907886
2669.4	0.621225	0.491598	0.305393	0.908834
2669.5	0.621665	0.491759	0.305709	0.909775
2669.6	0.622100	0.491920	0.306023	0.910709
2669.7	0.622529	0.492080	0.306334	0.911635
2669.8	0.622954	0.492241	0.306644	0.912555
2669.9	0.623373	0.492402	0.306950	0.913468
2670.0	0.623788	0.492563	0.307255	0.914374
2670.1	0.624197	0.492349	0.307323	0.914576
2670.2	0.624601	0.492135	0.307388	0.914770
2670.3	0.625000	0.491921	0.307450	0.914956
2670.4	0.625394	0.491706	0.307510	0.915135
2670.5	0.625783	0.491492	0.307568	0.915305
2670.6	0.626168	0.491278	0.307622	0.915469
2670.7	0.626548	0.491064	0.307675	0.915625
2670.8	0.626923	0.490850	0.307725	0.915774
2670.9	0.627294	0.490635	0.307773	0.915917
2671.0	0.627662	0.490421	0.307819	0.916053
2671.1	0.628025	0.490203	0.307860	0.916175
2671.2	0.628384	0.489985	0.307899	0.916291
2671.3	0.628740	0.489767	0.307936	0.916402
2671.4	0.629092	0.489549	0.307972	0.916507
2671.5	0.629441	0.489331	0.308005	0.916608
2671.6	0.629788	0.489113	0.308037	0.916703
2671.7	0.630132	0.488895	0.308068	0.916795
2671.8	0.630474	0.488677	0.308098	0.916884
2671.9	0.630815	0.488459	0.308127	0.916970
2672.0	0.631154	0.488241	0.308155	0.917054
2672.1	0.631493	0.488076	0.308217	0.917237
2672.2	0.631832	0.487911	0.308278	0.917418
2672.3	0.632170	0.487746	0.308338	0.917599

2672.4	0.632509	0.487581	0.308399	0.917780
2672.5	0.632847	0.487416	0.308460	0.917961
2672.6	0.633185	0.487251	0.308520	0.918140
2672.7	0.633522	0.487086	0.308580	0.918317
2672.8	0.633857	0.486415	0.308317	0.917537
2672.9	0.634190	0.486250	0.308375	0.917708
2673.0	0.634520	0.486085	0.308431	0.917875
2673.1	0.634848	0.485876	0.308457	0.917952
2673.2	0.635171	0.485666	0.308481	0.918023
2673.3	0.635490	0.485456	0.308503	0.918088
2673.4	0.635804	0.485247	0.308522	0.918146
2673.5	0.636114	0.485037	0.308539	0.918197
2673.6	0.636419	0.484828	0.308554	0.918240
2673.7	0.636719	0.484619	0.308566	0.918276
2673.8	0.637014	0.484409	0.308575	0.918304
2673.9	0.637303	0.484200	0.308582	0.918325
2674.0	0.637588	0.483990	0.308586	0.918338
2674.1	0.637867	0.484066	0.308770	0.918883
2674.2	0.638141	0.484141	0.308951	0.919421
2674.3	0.638410	0.484216	0.309129	0.919951
2674.4	0.638673	0.484291	0.309304	0.920472
2674.5	0.638931	0.483862	0.309154	0.920027
2674.6	0.639182	0.483937	0.309324	0.920531
2674.7	0.639427	0.484011	0.309490	0.921026
2674.8	0.639666	0.484086	0.309653	0.921512
2674.9	0.639898	0.483656	0.309490	0.921028
2675.0	0.640122	0.483730	0.309646	0.921492
2675.1	0.640339	0.483749	0.309764	0.921841
2675.2	0.640549	0.483769	0.309877	0.922179
2675.3	0.640750	0.483788	0.309987	0.922505
2675.4	0.640943	0.483806	0.310092	0.922819
2675.5	0.641128	0.483825	0.310194	0.923122
2675.6	0.641306	0.483844	0.310292	0.923413
2675.7	0.641477	0.483862	0.310386	0.923694
2675.8	0.641640	0.483881	0.310477	0.923965
2675.9	0.641798	0.483899	0.310565	0.924226
2676.0	0.641949	0.483917	0.310650	0.924478
2676.1	0.642095	0.483834	0.310667	0.924530
2676.2	0.642235	0.483752	0.310682	0.924574
2676.3	0.642370	0.483669	0.310695	0.924611
2676.4	0.642501	0.483082	0.310381	0.923677
2676.5	0.642626	0.482999	0.310388	0.923699
2676.6	0.642748	0.482917	0.310394	0.923715

2676.7	0.642865	0.482834	0.310397	0.923725
2676.8	0.642977	0.482751	0.310398	0.923728
2676.9	0.643085	0.482668	0.310397	0.923724
2677.0	0.643188	0.482585	0.310393	0.923714
2677.1	0.643286	0.482516	0.310396	0.923722
2677.2	0.643381	0.482447	0.310397	0.923725
2677.3	0.643470	0.482377	0.310395	0.923720
2677.4	0.643555	0.482308	0.310392	0.923710
2677.5	0.643636	0.482238	0.310386	0.923692
2677.6	0.643713	0.482169	0.310378	0.923669
2677.7	0.643785	0.482099	0.310368	0.923640
2677.8	0.643854	0.482029	0.310357	0.923605
2677.9	0.643920	0.481960	0.310343	0.923566
2678.0	0.643982	0.481890	0.310329	0.923522
2678.1	0.644041	0.481774	0.310282	0.923383
2678.2	0.644097	0.481657	0.310234	0.923240
2678.3	0.644150	0.481541	0.310184	0.923093
2678.4	0.644201	0.481424	0.310134	0.922942
2678.5	0.644248	0.481308	0.310082	0.922787
2678.6	0.644293	0.481191	0.310028	0.922628
2678.7	0.644335	0.481075	0.309973	0.922465
2678.8	0.644373	0.480959	0.309917	0.922296
2678.9	0.644407	0.480843	0.309858	0.922122
2679.0	0.644437	0.480726	0.309798	0.921942
2679.1	0.644462	0.480619	0.309741	0.921774
2679.2	0.644484	0.480512	0.309682	0.921599
2679.3	0.644500	0.480405	0.309621	0.921417
2679.4	0.644511	0.480299	0.309558	0.921228
2679.5	0.644518	0.480192	0.309492	0.921033
2679.6	0.644520	0.480085	0.309424	0.920831
2679.7	0.644518	0.479477	0.309031	0.919662
2679.8	0.644512	0.479370	0.308960	0.919448
2679.9	0.644502	0.479263	0.308886	0.919229
2680.0	0.644489	0.479157	0.308811	0.919006
2680.1	0.644472	0.479214	0.308840	0.919091
2680.2	0.644452	0.479271	0.308867	0.919173
2680.3	0.644430	0.479328	0.308893	0.919251
2680.4	0.644405	0.479385	0.308918	0.919324
2680.5	0.644378	0.479442	0.308942	0.919394
2680.6	0.644346	0.479499	0.308963	0.919459
2680.7	0.644312	0.479556	0.308984	0.919519
2680.8	0.644273	0.479613	0.309002	0.919573
2680.9	0.644229	0.479670	0.309017	0.919619

2681.0	0.644181	0.479727	0.309030	0.919659
2681.1	0.644126	0.479802	0.309053	0.919725
2681.2	0.644066	0.479877	0.309072	0.919783
2681.3	0.644000	0.479952	0.309089	0.919832
2681.4	0.643927	0.480026	0.309102	0.919872
2681.5	0.643847	0.480101	0.309112	0.919901
2681.6	0.643761	0.480176	0.309119	0.919922
2681.7	0.643669	0.480251	0.309123	0.919933
2681.8	0.643571	0.480325	0.309124	0.919936
2681.9	0.643467	0.480400	0.309122	0.919931
2682.0	0.643358	0.480475	0.309117	0.919918
2682.1	0.643244	0.480358	0.308987	0.919530
2682.2	0.643124	0.480241	0.308854	0.919135
2682.3	0.643000	0.480124	0.308720	0.918733
2682.4	0.642871	0.480007	0.308582	0.918325
2682.5	0.642738	0.479890	0.308443	0.917911
2682.6	0.642600	0.479772	0.308302	0.917491
2682.7	0.642459	0.479655	0.308159	0.917065
2682.8	0.642314	0.479538	0.308014	0.916633
2682.9	0.642165	0.478920	0.307546	0.915240
2683.0	0.642013	0.478802	0.307397	0.914799
2683.1	0.641858	0.478680	0.307245	0.914344
2683.2	0.641701	0.478557	0.307090	0.913885
2683.3	0.641540	0.478435	0.306935	0.913423
2683.4	0.641377	0.478312	0.306778	0.912957
2683.5	0.641212	0.478190	0.306621	0.912488
2683.6	0.641045	0.478067	0.306462	0.912016
2683.7	0.640875	0.477944	0.306303	0.911541
2683.8	0.640705	0.477822	0.306143	0.911065
2683.9	0.640532	0.477699	0.305982	0.910585
2684.0	0.640358	0.477576	0.305820	0.910104
2684.1	0.640183	0.477525	0.305703	0.909758
2684.2	0.640007	0.477474	0.305587	0.909410
2684.3	0.639830	0.477422	0.305469	0.909061
2684.4	0.639652	0.477371	0.305352	0.908711
2684.5	0.639474	0.477320	0.305234	0.908361
2684.6	0.639296	0.477269	0.305116	0.908010
2684.7	0.639118	0.477217	0.304998	0.907659
2684.8	0.638941	0.477166	0.304881	0.907310
2684.9	0.638764	0.477115	0.304764	0.906961
2685.0	0.638588	0.477063	0.304647	0.906614
2685.1	0.638414	0.477056	0.304559	0.906353
2685.2	0.638241	0.477050	0.304473	0.906095

2685.3	0.638070	0.477043	0.304387	0.905839
2685.4	0.637901	0.477036	0.304302	0.905586
2685.5	0.637734	0.477029	0.304218	0.905336
2685.6	0.637568	0.477022	0.304134	0.905088
2685.7	0.637404	0.477015	0.304052	0.904842
2685.8	0.637241	0.477008	0.303969	0.904597
2685.9	0.637079	0.477001	0.303887	0.904353
2686.0	0.636917	0.476995	0.303806	0.904110
2686.1	0.636755	0.477038	0.303756	0.903963
2686.2	0.636593	0.477081	0.303706	0.903815
2686.3	0.636430	0.477125	0.303657	0.903666
2686.4	0.636267	0.477168	0.303606	0.903517
2686.5	0.636103	0.477211	0.303556	0.903366
2686.6	0.635938	0.477255	0.303505	0.903214
2686.7	0.635773	0.477298	0.303453	0.903062
2686.8	0.635607	0.477291	0.303370	0.902812
2686.9	0.635441	0.477264	0.303273	0.902526
2687.0	0.635274	0.477238	0.303177	0.902238
2687.1	0.635107	0.477209	0.303079	0.901946
2687.2	0.634938	0.477180	0.302980	0.901654
2687.3	0.634770	0.477152	0.302882	0.901360
2687.4	0.634601	0.477123	0.302783	0.901066
2687.5	0.634431	0.477130	0.302706	0.900838
2687.6	0.634261	0.477171	0.302651	0.900674
2687.7	0.634089	0.477213	0.302596	0.900509
2687.8	0.633917	0.477254	0.302540	0.900342
2687.9	0.633743	0.477296	0.302483	0.900173
2688.0	0.633567	0.477337	0.302425	0.900002
2688.1	0.633390	0.477109	0.302196	0.899321
2688.2	0.633211	0.476881	0.301966	0.898637
2688.3	0.633030	0.476653	0.301736	0.897950
2688.4	0.632847	0.476425	0.301504	0.897261
2688.5	0.632661	0.476197	0.301272	0.896569
2688.6	0.632475	0.475969	0.301039	0.895876
2688.7	0.632287	0.475742	0.300805	0.895181
2688.8	0.632099	0.475514	0.300572	0.894486
2688.9	0.631910	0.475286	0.300338	0.893791
2689.0	0.631721	0.475058	0.300104	0.893096
2689.1	0.631533	0.474709	0.299795	0.892174
2689.2	0.631346	0.474361	0.299486	0.891254
2689.3	0.631160	0.474012	0.299177	0.890337
2689.4	0.630976	0.473663	0.298870	0.889422
2689.5	0.630793	0.473315	0.298564	0.888510

2689.6	0.630612	0.472471	0.297946	0.886672
2689.7	0.630433	0.472123	0.297642	0.885768
2689.8	0.630256	0.471775	0.297339	0.884866
2689.9	0.630081	0.471428	0.297038	0.883969
2690.0	0.629908	0.471080	0.296737	0.883074
2690.1	0.629737	0.470957	0.296579	0.882602
2690.2	0.629567	0.470833	0.296421	0.882133
2690.3	0.629400	0.470709	0.296264	0.881667
2690.4	0.629235	0.470585	0.296109	0.881204
2690.5	0.629072	0.470461	0.295954	0.880744
2690.6	0.628912	0.470337	0.295801	0.880288
2690.7	0.628754	0.470213	0.295649	0.879835
2690.8	0.628600	0.470089	0.295498	0.879386
2690.9	0.628449	0.469965	0.295349	0.878942
2691.0	0.628301	0.469840	0.295201	0.878503
2691.1	0.628157	0.469685	0.295036	0.878011
2691.2	0.628016	0.469530	0.294872	0.877525
2691.3	0.627880	0.469375	0.294711	0.877045
2691.4	0.627748	0.469219	0.294551	0.876570
2691.5	0.627621	0.469064	0.294394	0.876102
2691.6	0.627498	0.468908	0.294239	0.875640
2691.7	0.627380	0.468261	0.293778	0.874268
2691.8	0.627268	0.468106	0.293628	0.873821
2691.9	0.627161	0.467950	0.293480	0.873381
2692.0	0.627059	0.467794	0.293335	0.872948
2692.1	0.626963	0.467902	0.293357	0.873016
2692.2	0.626874	0.468009	0.293383	0.873092
2692.3	0.626790	0.468117	0.293411	0.873176
2692.4	0.626713	0.468224	0.293442	0.873269
2692.5	0.626642	0.468332	0.293476	0.873370
2692.6	0.626578	0.468439	0.293513	0.873480
2692.7	0.626520	0.468545	0.293553	0.873598
2692.8	0.626468	0.468652	0.293595	0.873725
2692.9	0.626422	0.468759	0.293641	0.873859
2693.0	0.626382	0.468865	0.293689	0.874002
2693.1	0.626349	0.469027	0.293775	0.874258
2693.2	0.626321	0.469189	0.293863	0.874522
2693.3	0.626300	0.469352	0.293955	0.874795
2693.4	0.626285	0.469514	0.294049	0.875075
2693.5	0.626275	0.469676	0.294146	0.875364
2693.6	0.626271	0.469838	0.294245	0.875659
2693.7	0.626272	0.469999	0.294347	0.875962
2693.8	0.626278	0.470161	0.294452	0.876273

2693.9	0.626289	0.470323	0.294558	0.876590
2694.0	0.626305	0.470484	0.294667	0.876913
2694.1	0.626326	0.470169	0.294479	0.876354
2694.2	0.626351	0.469854	0.294294	0.875802
2694.3	0.626380	0.469539	0.294110	0.875256
2694.4	0.626413	0.469225	0.293928	0.874716
2694.5	0.626450	0.468910	0.293749	0.874181
2694.6	0.626492	0.468595	0.293571	0.873653
2694.7	0.626539	0.468281	0.293396	0.873131
2694.8	0.626590	0.467967	0.293223	0.872617
2694.9	0.626646	0.467653	0.293053	0.872110
2695.0	0.626708	0.467339	0.292885	0.871611
2695.1	0.626776	0.467066	0.292746	0.871197
2695.2	0.626850	0.466793	0.292609	0.870791
2695.3	0.626930	0.466032	0.292169	0.869480
2695.4	0.627016	0.465759	0.292039	0.869092
2695.5	0.627108	0.465487	0.291911	0.868712
2695.6	0.627206	0.465215	0.291786	0.868340
2695.7	0.627308	0.464943	0.291663	0.867973
2695.8	0.627414	0.464672	0.291541	0.867612
2695.9	0.627523	0.464400	0.291422	0.867256
2696.0	0.627635	0.464128	0.291303	0.866903
2696.1	0.627749	0.464099	0.291338	0.867006
2696.2	0.627864	0.464071	0.291373	0.867112
2696.3	0.627980	0.464042	0.291409	0.867218
2696.4	0.628096	0.464013	0.291445	0.867325
2696.5	0.628213	0.463984	0.291481	0.867432
2696.6	0.628331	0.463955	0.291517	0.867541
2696.7	0.628450	0.463926	0.291554	0.867651
2696.8	0.628571	0.463897	0.291592	0.867764
2696.9	0.628695	0.463869	0.291632	0.867881
2697.0	0.628821	0.463840	0.291672	0.868001
2697.1	0.628950	0.463761	0.291683	0.868032
2697.2	0.629083	0.463682	0.291695	0.868068
2697.3	0.629220	0.463603	0.291709	0.868110
2697.4	0.629362	0.463525	0.291725	0.868157
2697.5	0.629507	0.463446	0.291743	0.868211
2697.6	0.629658	0.463367	0.291763	0.868271
2697.7	0.629813	0.463288	0.291785	0.868337
2697.8	0.629972	0.463210	0.291809	0.868408
2697.9	0.630135	0.463131	0.291835	0.868486
2698.0	0.630302	0.463052	0.291863	0.868569
2698.1	0.630474	0.463148	0.292003	0.868985

2698.2	0.630650	0.463244	0.292145	0.869408
2698.3	0.630830	0.463339	0.292288	0.869835
2698.4	0.631014	0.463435	0.292434	0.870269
2698.5	0.631201	0.463605	0.292628	0.870847
2698.6	0.631392	0.464092	0.293024	0.872024
2698.7	0.631585	0.464188	0.293174	0.872471
2698.8	0.631780	0.464283	0.293325	0.872920
2698.9	0.631977	0.464378	0.293476	0.873371
2699.0	0.632175	0.464474	0.293628	0.873823
2699.1	0.632373	0.464553	0.293771	0.874248
2699.2	0.632572	0.464145	0.293605	0.873754
2699.3	0.632770	0.464224	0.293747	0.874177
2699.4	0.632968	0.464304	0.293889	0.874599
2699.5	0.633164	0.464383	0.294031	0.875020
2699.6	0.633359	0.464463	0.294172	0.875440
2699.7	0.633554	0.464542	0.294312	0.875858
2699.8	0.633747	0.464621	0.294452	0.876274
2699.9	0.633939	0.464700	0.294591	0.876688
2700.0	0.634129	0.464779	0.294730	0.877100
2700.1	0.634318	0.464460	0.294615	0.876759
2700.2	0.634505	0.464141	0.294499	0.876415
2700.3	0.634690	0.463822	0.294383	0.876069
2700.4	0.634873	0.463503	0.294266	0.875720
2700.5	0.635055	0.463184	0.294147	0.875368
2700.6	0.635234	0.462866	0.294028	0.875012
2700.7	0.635411	0.462547	0.293908	0.874654
2700.8	0.635585	0.462229	0.293786	0.874292
2700.9	0.635756	0.461911	0.293663	0.873926
2701.0	0.635925	0.461593	0.293539	0.873556
2701.1	0.636090	0.461250	0.293396	0.873133
2701.2	0.636252	0.460907	0.293253	0.872705
2701.3	0.636410	0.460564	0.293107	0.872272
2701.4	0.636564	0.460221	0.292960	0.871834
2701.5	0.636715	0.459878	0.292811	0.871391
2701.6	0.636862	0.459535	0.292660	0.870942
2701.7	0.637004	0.459193	0.292508	0.870488
2701.8	0.637143	0.458851	0.292353	0.870029
2701.9	0.637277	0.458508	0.292197	0.869563
2702.0	0.637407	0.458166	0.292038	0.869092
2702.1	0.637533	0.457980	0.291977	0.868908
2702.2	0.637654	0.457257	0.291571	0.867702
2702.3	0.637770	0.456666	0.291248	0.866739
2702.4	0.637882	0.456480	0.291180	0.866537

2702.5	0.637988	0.456294	0.291110	0.866328
2702.6	0.638090	0.456107	0.291038	0.866113
2702.7	0.638187	0.455921	0.290963	0.865890
2702.8	0.638278	0.455735	0.290886	0.865661
2702.9	0.638364	0.455549	0.290806	0.865423
2703.0	0.638444	0.455363	0.290723	0.865178
2703.1	0.638519	0.455176	0.290638	0.864924
2703.2	0.638587	0.454989	0.290550	0.864663
2703.3	0.638650	0.454802	0.290460	0.864393
2703.4	0.638706	0.454616	0.290366	0.864114
2703.5	0.638756	0.454429	0.290269	0.863827
2703.6	0.638799	0.454242	0.290169	0.863529
2703.7	0.638833	0.454056	0.290066	0.863220
2703.8	0.638858	0.453869	0.289958	0.862900
2703.9	0.638874	0.453682	0.289846	0.862566
2704.0	0.638880	0.453496	0.289729	0.862219
2704.1	0.638875	0.453566	0.289772	0.862346
2704.2	0.638858	0.453636	0.289809	0.862457
2704.3	0.638830	0.453706	0.289841	0.862551
2704.4	0.638789	0.453775	0.289867	0.862628
2704.5	0.638734	0.453845	0.289886	0.862686
2704.6	0.638664	0.453914	0.289899	0.862724
2704.7	0.638579	0.453983	0.289904	0.862740
2704.8	0.638478	0.453575	0.289597	0.861827
2704.9	0.638359	0.453644	0.289587	0.861797
2705.0	0.638221	0.453712	0.289569	0.861742
2705.1	0.638065	0.453815	0.289563	0.861725
2705.2	0.637888	0.453917	0.289548	0.861681
2705.3	0.637690	0.454020	0.289524	0.861608
2705.4	0.637470	0.454122	0.289489	0.861505
2705.5	0.637228	0.454224	0.289444	0.861371
2705.6	0.636964	0.454326	0.289389	0.861208
2705.7	0.636678	0.454427	0.289324	0.861014
2705.8	0.636370	0.454488	0.289223	0.860712
2705.9	0.636040	0.454174	0.288873	0.859671
2706.0	0.635688	0.454275	0.288777	0.859386
2706.1	0.635314	0.453885	0.288360	0.858144
2706.2	0.634918	0.453495	0.287932	0.856872
2706.3	0.634500	0.453106	0.287496	0.855572
2706.4	0.634060	0.452716	0.287049	0.854244
2706.5	0.633597	0.452327	0.286593	0.852886
2706.6	0.633110	0.451938	0.286126	0.851498
2706.7	0.632598	0.451586	0.285672	0.850146

2706.8	0.632061	0.451615	0.285448	0.849478
2706.9	0.631497	0.451226	0.284948	0.847990
2707.0	0.630906	0.450837	0.284436	0.846467
2707.1	0.630287	0.450387	0.283873	0.844792
2707.2	0.629638	0.449938	0.283298	0.843080
2707.3	0.628960	0.449488	0.282710	0.841331
2707.4	0.628251	0.449039	0.282109	0.839542
2707.5	0.627511	0.448590	0.281495	0.837715
2707.6	0.626739	0.448142	0.280868	0.835849
2707.7	0.625937	0.447693	0.280228	0.833944
2707.8	0.625104	0.447245	0.279575	0.832000
2707.9	0.624240	0.446797	0.278909	0.830018
2708.0	0.623344	0.446350	0.278229	0.827996
2708.1	0.622417	0.446440	0.277872	0.826933
2708.2	0.621459	0.446061	0.277208	0.824958
2708.3	0.620470	0.445681	0.276532	0.822945
2708.4	0.619449	0.445302	0.275842	0.820892
2708.5	0.618397	0.444923	0.275139	0.818800
2708.6	0.617312	0.444544	0.274423	0.816667
2708.7	0.616195	0.444165	0.273693	0.814495
2708.8	0.615045	0.443787	0.272949	0.812282
2708.9	0.613861	0.443409	0.272191	0.810027
2709.0	0.612643	0.443031	0.271419	0.807730
2709.1	0.611390	0.442661	0.270639	0.805407
2709.2	0.610103	0.442292	0.269844	0.803041
2709.3	0.608780	0.441923	0.269034	0.800632
2709.4	0.607421	0.441555	0.268210	0.798179
2709.5	0.606027	0.441186	0.267371	0.795682
2709.6	0.604597	0.440818	0.266517	0.793141
2709.7	0.603131	0.440450	0.265649	0.790557
2709.8	0.601629	0.440082	0.264766	0.787929
2709.9	0.600091	0.439714	0.263868	0.785258
2710.0	0.598517	0.439346	0.262956	0.782544
2710.1	0.596907	0.439354	0.262253	0.780453
2710.2	0.595262	0.439361	0.261535	0.778314
2710.3	0.593580	0.439369	0.260800	0.776128
2710.4	0.591862	0.439376	0.260050	0.773895
2710.5	0.590109	0.439383	0.259284	0.771614
2710.6	0.588319	0.439389	0.258501	0.769286
2710.7	0.586492	0.439396	0.257703	0.766910
2710.8	0.584629	0.439865	0.257158	0.765289
2710.9	0.582730	0.439872	0.256326	0.762814
2711.0	0.580793	0.439878	0.255478	0.760289

2711.1	0.578819	0.439872	0.254606	0.757695
2711.2	0.576808	0.439866	0.253718	0.755052
2711.3	0.574760	0.439859	0.252814	0.752360
2711.4	0.572674	0.439853	0.251892	0.749619
2711.5	0.570552	0.439846	0.250955	0.746830
2711.6	0.568394	0.439840	0.250002	0.743994
2711.7	0.566202	0.439833	0.249034	0.741113
2711.8	0.563975	0.439826	0.248051	0.738187
2711.9	0.561716	0.439818	0.247053	0.735218
2712.0	0.559425	0.439811	0.246041	0.732207
2712.1	0.557103	0.439606	0.244906	0.728828
2712.2	0.554751	0.439402	0.243759	0.725414
2712.3	0.552370	0.439198	0.242600	0.721964
2712.4	0.549960	0.438993	0.241429	0.718481
2712.5	0.547523	0.438789	0.240247	0.714963
2712.6	0.545057	0.438585	0.239054	0.711411
2712.7	0.542562	0.438842	0.238099	0.708570
2712.8	0.540039	0.438637	0.236881	0.704946
2712.9	0.537487	0.438433	0.235652	0.701288
2713.0	0.534906	0.438220	0.234406	0.697582
2713.1	0.532296	0.437580	0.232922	0.693165
2713.2	0.529658	0.437372	0.231657	0.689401
2713.3	0.526990	0.437164	0.230381	0.685602
2713.4	0.524293	0.436956	0.229093	0.681769
2713.5	0.521567	0.436748	0.227793	0.677901
2713.6	0.518813	0.436540	0.226482	0.674000
2713.7	0.516030	0.436336	0.225162	0.670072
2713.8	0.513219	0.436563	0.224052	0.666767
2713.9	0.510379	0.436355	0.222706	0.662763
2714.0	0.507513	0.436147	0.221350	0.658726
2714.1	0.504619	0.435847	0.219937	0.654520
2714.2	0.501698	0.435548	0.218513	0.650284
2714.3	0.498750	0.435248	0.217080	0.646019
2714.4	0.495776	0.434949	0.215637	0.641725
2714.5	0.492776	0.434650	0.214185	0.637404
2714.6	0.489752	0.434351	0.212724	0.633056
2714.7	0.486704	0.434508	0.211477	0.629344
2714.8	0.483633	0.434209	0.209998	0.624944
2714.9	0.480542	0.433910	0.208512	0.620521
2715.0	0.477430	0.433612	0.207019	0.616078
2715.1	0.474298	0.433362	0.205543	0.611684
2715.2	0.471148	0.433112	0.204060	0.607271
2715.3	0.467980	0.432862	0.202571	0.602840

2715.4	0.464796	0.432612	0.201076	0.598393
2715.5	0.461596	0.432362	0.199577	0.593931
2715.6	0.458382	0.432113	0.198073	0.589455
2715.7	0.455155	0.431863	0.196565	0.584966
2715.8	0.451915	0.431614	0.195053	0.580467
2715.9	0.448663	0.431365	0.193537	0.575957
2716.0	0.445401	0.431115	0.192019	0.571439
2716.1	0.442129	0.431247	0.190667	0.567414
2716.2	0.438848	0.431378	0.189309	0.563375
2716.3	0.435560	0.431509	0.187948	0.559324
2716.4	0.432265	0.431640	0.186583	0.555261
2716.5	0.428964	0.431771	0.185214	0.551188
2716.6	0.425656	0.431902	0.183842	0.547104
2716.7	0.422344	0.432033	0.182467	0.543011
2716.8	0.419027	0.432164	0.181088	0.538910
2716.9	0.415706	0.432295	0.179707	0.534800
2717.0	0.412381	0.432425	0.178324	0.530683
2717.1	0.409053	0.432523	0.176925	0.526520
2717.2	0.405723	0.433074	0.175708	0.522898
2717.3	0.402390	0.433172	0.174304	0.518720
2717.4	0.399056	0.433270	0.172899	0.514538
2717.5	0.395721	0.433367	0.171492	0.510353
2717.6	0.392387	0.433464	0.170086	0.506166
2717.7	0.389054	0.433562	0.168679	0.501980
2717.8	0.385724	0.433659	0.167273	0.497795
2717.9	0.382398	0.433756	0.165867	0.493612
2718.0	0.379076	0.433853	0.164463	0.489434
2718.1	0.375760	0.433641	0.162945	0.484916
2718.2	0.372451	0.433429	0.161431	0.480411
2718.3	0.369150	0.433218	0.159922	0.475921
2718.4	0.365858	0.433006	0.158419	0.471446
2718.5	0.362575	0.432795	0.156920	0.466987
2718.6	0.359301	0.432584	0.155428	0.462545
2718.7	0.356037	0.432372	0.153940	0.458119
2718.8	0.352783	0.432161	0.152459	0.453710
2718.9	0.349539	0.431949	0.150983	0.449318
2719.0	0.346305	0.431738	0.149513	0.444944
2719.1	0.343083	0.431552	0.148058	0.440613
2719.2	0.339871	0.431365	0.146609	0.436299
2719.3	0.336670	0.431179	0.145165	0.432004
2719.4	0.333481	0.430993	0.143728	0.427727
2719.5	0.330303	0.430807	0.142297	0.423468
2719.6	0.327137	0.430621	0.140872	0.419228

2719.7	0.323984	0.430435	0.139454	0.415007
2719.8	0.320843	0.430249	0.138042	0.410807
2719.9	0.317715	0.430063	0.136637	0.406626
2720.0	0.314601	0.429876	0.135239	0.402466
2720.1	0.311500	0.429615	0.133825	0.398256
2720.2	0.308413	0.428942	0.132291	0.393692
2720.3	0.305340	0.428659	0.130887	0.389512
2720.4	0.302282	0.428397	0.129497	0.385375
2720.5	0.299238	0.428135	0.128115	0.381262
2720.6	0.296210	0.427874	0.126741	0.377174
2720.7	0.293198	0.427612	0.125375	0.373110
2720.8	0.290202	0.427351	0.124018	0.369072
2720.9	0.287223	0.427090	0.122670	0.365059
2721.0	0.284261	0.426828	0.121331	0.361073
2721.1	0.281316	0.426509	0.119984	0.357065
2721.2	0.278389	0.426189	0.118646	0.353085
2721.3	0.275480	0.425870	0.117319	0.349134
2721.4	0.272590	0.425550	0.116001	0.345212
2721.5	0.269718	0.425231	0.114693	0.341320
2721.6	0.266866	0.424912	0.113395	0.337456
2721.7	0.264032	0.424593	0.112106	0.333622
2721.8	0.261216	0.424275	0.110827	0.329817
2721.9	0.258420	0.423956	0.109559	0.326041
2722.0	0.255642	0.423638	0.108299	0.322294
2722.1	0.252882	0.423559	0.107110	0.318755
2722.2	0.250142	0.423479	0.105930	0.315242
2722.3	0.247420	0.423400	0.104758	0.311753
2722.4	0.244717	0.423320	0.103594	0.308289
2722.5	0.242033	0.423240	0.102438	0.304850
2722.6	0.239368	0.423143	0.101287	0.301425
2722.7	0.236723	0.423002	0.100134	0.297995
2722.8	0.234098	0.422862	0.098991	0.294592
2722.9	0.231492	0.422722	0.097857	0.291217
2723.0	0.228908	0.422581	0.096732	0.287870
2723.1	0.226344	0.422414	0.095611	0.284533
2723.2	0.223801	0.422246	0.094499	0.281225
2723.3	0.221280	0.422079	0.093398	0.277946
2723.4	0.218780	0.421965	0.092318	0.274732
2723.5	0.216302	0.421858	0.091249	0.271552
2723.6	0.213846	0.421750	0.090190	0.268400
2723.7	0.211412	0.422033	0.089223	0.265523
2723.8	0.209000	0.421960	0.088189	0.262447
2723.9	0.206609	0.421852	0.087159	0.259380

2724.0	0.204241	0.421745	0.086138	0.256341
2724.1	0.201895	0.421431	0.085085	0.253208
2724.2	0.199571	0.421118	0.084043	0.250108
2724.3	0.197270	0.420804	0.083012	0.247040
2724.4	0.194991	0.420491	0.081992	0.244004
2724.5	0.192734	0.420178	0.080983	0.241000
2724.6	0.190500	0.419865	0.079984	0.238030
2724.7	0.188289	0.419552	0.078997	0.235091
2724.8	0.186100	0.419240	0.078021	0.232185
2724.9	0.183934	0.418927	0.077055	0.229312
2725.0	0.181791	0.418614	0.076100	0.226471
2725.1	0.179671	0.418264	0.075150	0.223642
2725.2	0.177574	0.417913	0.074210	0.220846
2725.3	0.175500	0.417562	0.073282	0.218084
2725.4	0.173449	0.417211	0.072365	0.215354
2725.5	0.171422	0.416860	0.071459	0.212658
2725.6	0.169417	0.416510	0.070564	0.209995
2725.7	0.167436	0.416159	0.069680	0.207365
2725.8	0.165479	0.415809	0.068807	0.204768
2725.9	0.163544	0.415459	0.067946	0.202203
2726.0	0.161633	0.415109	0.067095	0.199672
2726.1	0.159745	0.414710	0.066248	0.197151
2726.2	0.157881	0.414311	0.065412	0.194662
2726.3	0.156040	0.413912	0.064587	0.192207
2726.4	0.154222	0.413513	0.063773	0.189785
2726.5	0.152428	0.413115	0.062970	0.187396
2726.6	0.150656	0.412716	0.062178	0.185039
2726.7	0.148906	0.412317	0.061397	0.182713
2726.8	0.147178	0.411919	0.060625	0.180418
2726.9	0.145472	0.411520	0.059865	0.178154
2727.0	0.143786	0.411122	0.059114	0.175919
2727.1	0.142121	0.410646	0.058361	0.173680
2727.2	0.140476	0.410170	0.057619	0.171471
2727.3	0.138850	0.409694	0.056886	0.169290
2727.4	0.137244	0.409218	0.056163	0.167137
2727.5	0.135656	0.408743	0.055449	0.165012
2727.6	0.134087	0.408267	0.054743	0.162913
2727.7	0.132536	0.408219	0.054104	0.161009
2727.8	0.131001	0.407743	0.053415	0.158960
2727.9	0.129484	0.407267	0.052734	0.156935
2728.0	0.127982	0.406791	0.052062	0.154934
2728.1	0.126497	0.406522	0.051424	0.153034
2728.2	0.125026	0.406253	0.050792	0.151155

2728.3	0.123570	0.405983	0.050167	0.149295
2728.4	0.122128	0.405713	0.049549	0.147455
2728.5	0.120701	0.405443	0.048937	0.145635
2728.6	0.119287	0.405172	0.048332	0.143833
2728.7	0.117888	0.404901	0.047733	0.142051
2728.8	0.116503	0.404630	0.047141	0.140288
2728.9	0.115132	0.404358	0.046555	0.138544
2729.0	0.113775	0.404086	0.045975	0.136819
2729.1	0.112433	0.403881	0.045409	0.135136
2729.2	0.111104	0.403675	0.044850	0.133471
2729.3	0.109790	0.403468	0.044297	0.131825
2729.4	0.108490	0.403262	0.043750	0.130197
2729.5	0.107204	0.403055	0.043209	0.128588
2729.6	0.105932	0.402848	0.042674	0.126997
2729.7	0.104673	0.402641	0.042146	0.125423
2729.8	0.103428	0.402433	0.041623	0.123868
2729.9	0.102197	0.402225	0.041106	0.122329
2730.0	0.100978	0.402017	0.040595	0.120808
2730.1	0.099800	0.401597	0.040079	0.119274
2730.2	0.098600	0.401176	0.039556	0.117717
2730.3	0.097400	0.400756	0.039034	0.116162
2730.4	0.096200	0.399994	0.038479	0.114513
2730.5	0.095100	0.399513	0.037994	0.113067
2730.6	0.093900	0.399094	0.037475	0.111523
2730.7	0.092805	0.398675	0.036999	0.110108
2730.8	0.091700	0.398256	0.036520	0.108682
2730.9	0.090600	0.397837	0.036044	0.107265
2731.0	0.089500	0.397418	0.035569	0.105851
2731.1	0.088400	0.397010	0.035096	0.104443
2731.2	0.087345	0.396602	0.034641	0.103090
2731.3	0.086300	0.396195	0.034192	0.101752
2731.4	0.085200	0.395787	0.033721	0.100352
2731.5	0.084200	0.395380	0.033291	0.099072
2731.6	0.083200	0.394973	0.032862	0.097795
2731.7	0.082197	0.394566	0.032432	0.096517
2731.8	0.081200	0.394159	0.032006	0.095247
2731.9	0.080200	0.393752	0.031579	0.093977
2732.0	0.079300	0.393346	0.031192	0.092827
2732.1	0.078303	0.392971	0.030771	0.091573
2732.2	0.077400	0.392596	0.030387	0.090430
2732.3	0.076430	0.392221	0.029977	0.089211
2732.4	0.075500	0.391847	0.029584	0.088042
2732.5	0.074600	0.391472	0.029204	0.086909

2732.6	0.073700	0.391098	0.028824	0.085779
2732.7	0.072800	0.390724	0.028445	0.084650
2732.8	0.072000	0.390350	0.028105	0.083640
2732.9	0.071099	0.389976	0.027727	0.082514
2733.0	0.070300	0.389603	0.027389	0.081508
2733.1	0.069400	0.389251	0.027014	0.080392
2733.2	0.068600	0.388900	0.026679	0.079394
2733.3	0.067780	0.388548	0.026336	0.078374
2733.4	0.067000	0.388197	0.026009	0.077402
2733.5	0.066200	0.387846	0.025675	0.076409
2733.6	0.065400	0.387495	0.025342	0.075417
2733.7	0.064600	0.387144	0.025010	0.074427
2733.8	0.063900	0.386793	0.024716	0.073554
2733.9	0.063100	0.386443	0.024385	0.072567
2734.0	0.062399	0.386093	0.024092	0.071696
2734.1	0.061700	0.386196	0.023828	0.070912
2734.2	0.061000	0.386057	0.023549	0.070082
2734.3	0.060250	0.385845	0.023247	0.069182
2734.4	0.059600	0.385632	0.022984	0.068398
2734.5	0.058900	0.385420	0.022701	0.067558
2734.6	0.058200	0.385208	0.022419	0.066718
2734.7	0.057500	0.384995	0.022137	0.065879
2734.8	0.056900	0.384783	0.021894	0.065156
2734.9	0.056200	0.384570	0.021613	0.064319
2735.0	0.055600	0.384358	0.021370	0.063597
2735.1	0.054900	0.384127	0.021089	0.062759
2735.2	0.054315	0.383897	0.020851	0.062052
2735.3	0.053700	0.383667	0.020603	0.061313
2735.4	0.053100	0.383436	0.020360	0.060592
2735.5	0.052500	0.383206	0.020118	0.059871
2735.6	0.051905	0.382975	0.019878	0.059157
2735.7	0.051300	0.382745	0.019635	0.058432
2735.8	0.050700	0.382514	0.019393	0.057714
2735.9	0.050200	0.382283	0.019191	0.057110
2736.0	0.049600	0.382053	0.018950	0.056394
2736.1	0.049072	0.381723	0.018732	0.055745
2736.2	0.048500	0.381393	0.018498	0.055048
2736.3	0.047990	0.381064	0.018287	0.054422
2736.4	0.047500	0.380735	0.018085	0.053820
2736.5	0.046900	0.380405	0.017841	0.053094
2736.6	0.046400	0.380076	0.017636	0.052482
2736.7	0.045900	0.379747	0.017430	0.051872
2736.8	0.045400	0.379117	0.017212	0.051222

2736.9	0.044900	0.378709	0.017004	0.050603
2737.0	0.044400	0.378380	0.016800	0.049996
2737.1	0.043900	0.378038	0.016596	0.049388
2737.2	0.043500	0.377696	0.016430	0.048894
2737.3	0.042980	0.377355	0.016219	0.048266
2737.4	0.042500	0.377013	0.016023	0.047684
2737.5	0.042100	0.376671	0.015858	0.047192
2737.6	0.041600	0.376330	0.015655	0.046589
2737.7	0.041100	0.375989	0.015453	0.045988
2737.8	0.040700	0.375647	0.015289	0.045499
2737.9	0.040300	0.375306	0.015125	0.045011
2738.0	0.039800	0.374965	0.014924	0.044412
2738.1	0.039400	0.374589	0.014759	0.043921
2738.2	0.039000	0.374213	0.014594	0.043432
2738.3	0.038550	0.373837	0.014411	0.042888
2738.4	0.038100	0.373460	0.014229	0.042344
2738.5	0.037700	0.373085	0.014065	0.041858
2738.6	0.037300	0.372709	0.013902	0.041372
2738.7	0.036900	0.372334	0.013739	0.040887
2738.8	0.036500	0.371958	0.013576	0.040403
2738.9	0.036100	0.371583	0.013414	0.039920
2739.0	0.035800	0.371208	0.013289	0.039548
2739.1	0.035400	0.370857	0.013128	0.039069
2739.2	0.035000	0.370505	0.012968	0.038591
2739.3	0.034630	0.370154	0.012818	0.038147
2739.4	0.034300	0.369803	0.012684	0.037748
2739.5	0.033900	0.369452	0.012524	0.037272
2739.6	0.033500	0.369101	0.012365	0.036797
2739.7	0.033200	0.368751	0.012243	0.036433
2739.8	0.032800	0.368400	0.012084	0.035960
2739.9	0.032500	0.368050	0.011962	0.035597
2740.0	0.032200	0.367700	0.011840	0.035235
2740.1	0.031800	0.367533	0.011688	0.034782
2740.2	0.031500	0.367367	0.011572	0.034438
2740.3	0.031170	0.367200	0.011446	0.034062
2740.4	0.030800	0.367034	0.011305	0.033642
2740.5	0.030500	0.366867	0.011189	0.033299
2740.6	0.030200	0.366700	0.011074	0.032957
2740.7	0.029900	0.366533	0.010959	0.032614
2740.8	0.029600	0.366365	0.010844	0.032272
2740.9	0.029300	0.366474	0.010738	0.031955
2741.0	0.029000	0.366398	0.010626	0.031621
2741.1	0.028700	0.366184	0.010509	0.031276

2741.2	0.028400	0.365970	0.010394	0.030931
2741.3	0.028110	0.365756	0.010281	0.030597
2741.4	0.027800	0.365541	0.010162	0.030242
2741.5	0.027500	0.365326	0.010046	0.029898
2741.6	0.027300	0.365111	0.009968	0.029663
2741.7	0.027000	0.364896	0.009852	0.029320
2741.8	0.026700	0.364680	0.009737	0.028977
2741.9	0.026400	0.364464	0.009622	0.028634
2742.0	0.026200	0.364248	0.009543	0.028400
2742.1	0.025900	0.364000	0.009428	0.028056
2742.2	0.025600	0.363752	0.009312	0.027712
2742.3	0.025390	0.363503	0.009229	0.027466
2742.4	0.025100	0.363255	0.009118	0.027134
2742.5	0.024900	0.363006	0.009039	0.026899
2742.6	0.024600	0.362757	0.008924	0.026557
2742.7	0.024400	0.362508	0.008845	0.026323
2742.8	0.024200	0.362259	0.008767	0.026089
2742.9	0.023900	0.362388	0.008661	0.025775
2743.0	0.023700	0.362138	0.008583	0.025542
2743.1	0.023400	0.361934	0.008469	0.025204
2743.2	0.023200	0.361730	0.008392	0.024975
2743.3	0.022990	0.361526	0.008311	0.024735
2743.4	0.022800	0.361321	0.008238	0.024516
2743.5	0.022500	0.361116	0.008125	0.024180
2743.6	0.022300	0.360911	0.008048	0.023951
2743.7	0.022100	0.360706	0.007972	0.023723
2743.8	0.021900	0.360501	0.007895	0.023495
2743.9	0.021700	0.360296	0.007818	0.023267
2744.0	0.021500	0.360090	0.007742	0.023040
2744.1	0.021200	0.359341	0.007618	0.022671
2744.2	0.021000	0.358752	0.007534	0.022420
2744.3	0.020840	0.358265	0.007466	0.022219
2744.4	0.020600	0.357778	0.007370	0.021933
2744.5	0.020400	0.357291	0.007289	0.021691
2744.6	0.020200	0.356804	0.007207	0.021449
2744.7	0.020100	0.356318	0.007162	0.021314
2744.8	0.019900	0.355832	0.007081	0.021073
2744.9	0.019700	0.355347	0.007000	0.020833
2745.0	0.019500	0.354862	0.006920	0.020593
2745.1	0.019300	0.354294	0.006838	0.020349
2745.2	0.019200	0.353726	0.006792	0.020211
2745.3	0.018980	0.353159	0.006703	0.019948
2745.4	0.018800	0.352592	0.006629	0.019727

2745.5	0.018600	0.352026	0.006548	0.019486
2745.6	0.018500	0.351460	0.006502	0.019350
2745.7	0.018300	0.350895	0.006421	0.019110
2745.8	0.018200	0.350330	0.006376	0.018975
2745.9	0.018000	0.349766	0.006296	0.018736
2746.0	0.017900	0.349202	0.006251	0.018602
2746.1	0.017700	0.348719	0.006172	0.018369
2746.2	0.017500	0.348237	0.006094	0.018136
2746.3	0.017380	0.347755	0.006044	0.017987
2746.4	0.017200	0.347272	0.005973	0.017776
2746.5	0.017100	0.346790	0.005930	0.017648
2746.6	0.016900	0.346308	0.005853	0.017417
2746.7	0.016700	0.345826	0.005775	0.017187
2746.8	0.016500	0.345344	0.005698	0.016958
2746.9	0.016400	0.344863	0.005656	0.016831
2747.0	0.016200	0.344381	0.005579	0.016603
2747.1	0.016000	0.343866	0.005502	0.016373
2747.2	0.015800	0.343352	0.005425	0.016144
2747.3	0.015670	0.342837	0.005372	0.015988
2747.4	0.015500	0.342323	0.005306	0.015790
2747.5	0.015300	0.341809	0.005230	0.015563
2747.6	0.015100	0.341295	0.005154	0.015337
2747.7	0.015000	0.340781	0.005112	0.015212
2747.8	0.014800	0.340267	0.005036	0.014987
2747.9	0.014600	0.339753	0.004960	0.014762
2748.0	0.014400	0.339239	0.004885	0.014538
2748.1	0.014200	0.338762	0.004810	0.014316
2748.2	0.014000	0.338285	0.004736	0.014094
2748.3	0.013860	0.337808	0.004682	0.013933
2748.4	0.013678	0.337331	0.004614	0.013731
2748.5	0.013500	0.336854	0.004548	0.013533
2748.6	0.013300	0.336377	0.004474	0.013314
2748.7	0.013100	0.335900	0.004400	0.013095
2748.8	0.012949	0.335424	0.004343	0.012926
2748.9	0.012800	0.334947	0.004287	0.012759
2749.0	0.012600	0.334470	0.004214	0.012542
2749.1	0.012400	0.334049	0.004142	0.012327
2749.2	0.012200	0.333627	0.004070	0.012113
2749.3	0.012030	0.333205	0.004008	0.011929
2749.4	0.011800	0.332784	0.003927	0.011686
2749.5	0.011700	0.332362	0.003889	0.011572
2749.6	0.011500	0.331941	0.003817	0.011360
2749.7	0.011300	0.331519	0.003746	0.011148

2749.8	0.011100	0.331098	0.003675	0.010937
2749.9	0.010965	0.330676	0.003626	0.010790
2750.0	0.010800	0.330255	0.003567	0.010614
2750.1	0.010700	0.329493	0.003526	0.010492
2750.2	0.010500	0.329077	0.003455	0.010283
2750.3	0.010420	0.328649	0.003425	0.010191
2750.4	0.010348	0.328187	0.003396	0.010107
2750.5	0.010286	0.327725	0.003371	0.010032
2750.6	0.010231	0.327263	0.003348	0.009964
2750.7	0.010184	0.326802	0.003328	0.009904
2750.8	0.010144	0.326340	0.003310	0.009852
2750.9	0.010110	0.325879	0.003295	0.009805
2751.0	0.010083	0.325418	0.003281	0.009765
2751.1	0.010060	0.324992	0.003269	0.009730
2751.2	0.010042	0.324581	0.003259	0.009700
2751.3	0.010029	0.324170	0.003251	0.009675
2751.4	0.010018	0.323759	0.003243	0.009652
2751.5	0.010011	0.323348	0.003237	0.009633
2751.6	0.010006	0.322937	0.003231	0.009616
2751.7	0.010002	0.322526	0.003226	0.009600
2751.8	0.010000	0.322115	0.003221	0.009586
2751.9	0.009980	0.321704	0.003211	0.009555
2752.0	0.009960	0.321294	0.003200	0.009523
2752.1	0.009940	0.321023	0.003191	0.009496
2752.2	0.009919	0.320752	0.003182	0.009469
2752.3	0.009899	0.320481	0.003173	0.009441
2752.4	0.009879	0.320210	0.003163	0.009414
2752.5	0.009859	0.319939	0.003154	0.009387
2752.6	0.009839	0.319667	0.003145	0.009360
2752.7	0.009819	0.319395	0.003136	0.009333
2752.8	0.009799	0.319124	0.003127	0.009306
2752.9	0.009779	0.318852	0.003118	0.009279
2753.0	0.009758	0.318579	0.003109	0.009252
2753.1	0.009738	0.318313	0.003100	0.009225
2753.2	0.009718	0.318046	0.003091	0.009198
2753.3	0.009698	0.317780	0.003082	0.009171
2753.4	0.009678	0.317513	0.003073	0.009145
2753.5	0.009658	0.317246	0.003064	0.009118
2753.6	0.009638	0.316979	0.003055	0.009091
2753.7	0.009617	0.316711	0.003046	0.009065
2753.8	0.009597	0.316444	0.003037	0.009038
2753.9	0.009577	0.316176	0.003028	0.009011
2754.0	0.009557	0.315908	0.003019	0.008985

2754.1	0.009537	0.315518	0.003009	0.008955
2754.2	0.009517	0.315129	0.002999	0.008925
2754.3	0.009497	0.314740	0.002989	0.008895
2754.4	0.009477	0.314352	0.002979	0.008865
2754.5	0.009456	0.314291	0.002972	0.008845
2754.6	0.009436	0.313902	0.002962	0.008815
2754.7	0.009416	0.313512	0.002952	0.008785
2754.8	0.009396	0.313123	0.002942	0.008756
2754.9	0.009376	0.312734	0.002932	0.008726
2755.0	0.009356	0.312344	0.002922	0.008696
2755.1	0.009336	0.311872	0.002912	0.008665
2755.2	0.009315	0.311400	0.002901	0.008633
2755.3	0.009295	0.310928	0.002890	0.008601
2755.4	0.009275	0.310456	0.002880	0.008569
2755.5	0.009255	0.309984	0.002869	0.008538
2755.6	0.009235	0.309512	0.002858	0.008506
2755.7	0.009215	0.309040	0.002848	0.008475
2755.8	0.009195	0.308568	0.002837	0.008443
2755.9	0.009175	0.308096	0.002827	0.008412
2756.0	0.009154	0.307624	0.002816	0.008381
2756.1	0.009134	0.307064	0.002805	0.008347
2756.2	0.009114	0.306504	0.002794	0.008313
2756.3	0.009094	0.306265	0.002785	0.008289
2756.4	0.009074	0.305705	0.002774	0.008255
2756.5	0.009054	0.305146	0.002763	0.008222
2756.6	0.009034	0.304587	0.002752	0.008188
2756.7	0.009013	0.304028	0.002740	0.008155
2756.8	0.008993	0.303470	0.002729	0.008122
2756.9	0.008973	0.302912	0.002718	0.008089
2757.0	0.008953	0.302354	0.002707	0.008056
2757.1	0.008933	0.301877	0.002697	0.008025
2757.2	0.008913	0.301399	0.002686	0.007994
2757.3	0.008893	0.300922	0.002676	0.007964
2757.4	0.008873	0.300446	0.002666	0.007933
2757.5	0.008852	0.299969	0.002655	0.007902
2757.6	0.008832	0.299493	0.002645	0.007872
2757.7	0.008812	0.299018	0.002635	0.007842
2757.8	0.008792	0.298542	0.002625	0.007811
2757.9	0.008772	0.298067	0.002615	0.007781
2758.0	0.008752	0.297592	0.002604	0.007751
2758.1	0.008731	0.297339	0.002596	0.007726
2758.2	0.008711	0.297086	0.002588	0.007702
2758.3	0.008691	0.296833	0.002580	0.007678

2758.4	0.008671	0.296580	0.002572	0.007653
2758.5	0.008651	0.296326	0.002564	0.007629
2758.6	0.008631	0.296073	0.002555	0.007605
2758.7	0.008611	0.295820	0.002547	0.007580
2758.8	0.008591	0.295567	0.002539	0.007556
2758.9	0.008571	0.295313	0.002531	0.007532
2759.0	0.008550	0.295060	0.002523	0.007508
2759.1	0.008530	0.294843	0.002515	0.007485
2759.2	0.008510	0.294626	0.002507	0.007462
2759.3	0.008490	0.294409	0.002500	0.007438
2759.4	0.008470	0.294192	0.002492	0.007415
2759.5	0.008450	0.293975	0.002484	0.007392
2759.6	0.008429	0.293758	0.002476	0.007369
2759.7	0.008409	0.293541	0.002469	0.007346
2759.8	0.008389	0.293324	0.002461	0.007323
2759.9	0.008369	0.293107	0.002453	0.007300
2760.0	0.008349	0.292890	0.002445	0.007277
2760.1	0.008329	0.292610	0.002437	0.007253
2760.2	0.008309	0.292331	0.002429	0.007228
2760.3	0.008289	0.292051	0.002421	0.007204
2760.4	0.008268	0.291772	0.002413	0.007180
2760.5	0.008248	0.291493	0.002404	0.007155
2760.6	0.008228	0.291213	0.002396	0.007131
2760.7	0.008208	0.290934	0.002388	0.007107
2760.8	0.008188	0.290655	0.002380	0.007082
2760.9	0.008168	0.290376	0.002372	0.007058
2761.0	0.008148	0.290097	0.002364	0.007034
2761.1	0.008127	0.289773	0.002355	0.007009
2761.2	0.008107	0.289448	0.002347	0.006984
2761.3	0.008087	0.289124	0.002338	0.006958
2761.4	0.008067	0.288800	0.002330	0.006933
2761.5	0.008047	0.288476	0.002321	0.006908
2761.6	0.008027	0.288152	0.002313	0.006883
2761.7	0.008007	0.287828	0.002305	0.006858
2761.8	0.007987	0.287504	0.002296	0.006833
2761.9	0.007966	0.287180	0.002288	0.006808
2762.0	0.007946	0.286856	0.002279	0.006784
2762.1	0.007926	0.286453	0.002270	0.006757
2762.2	0.007906	0.286050	0.002262	0.006730
2762.3	0.007886	0.285647	0.002253	0.006704
2762.4	0.007866	0.285244	0.002244	0.006677
2762.5	0.007846	0.284842	0.002235	0.006651
2762.6	0.007826	0.284440	0.002226	0.006624

2762.7	0.007805	0.284037	0.002217	0.006598
2762.8	0.007785	0.283635	0.002208	0.006571
2762.9	0.007765	0.283234	0.002199	0.006545
2763.0	0.007745	0.282832	0.002191	0.006519
2763.1	0.007725	0.282133	0.002179	0.006486
2763.2	0.007705	0.281730	0.002171	0.006460
2763.3	0.007685	0.281327	0.002162	0.006434
2763.4	0.007664	0.280923	0.002153	0.006408
2763.5	0.007644	0.280521	0.002144	0.006382
2763.6	0.007624	0.280118	0.002136	0.006356
2763.7	0.007604	0.279715	0.002127	0.006330
2763.8	0.007584	0.279313	0.002118	0.006304
2763.9	0.007564	0.278911	0.002110	0.006278
2764.0	0.007544	0.278509	0.002101	0.006252
2764.1	0.007523	0.278137	0.002093	0.006227
2764.2	0.007503	0.277765	0.002084	0.006202
2764.3	0.007483	0.277683	0.002078	0.006184
2764.4	0.007463	0.277311	0.002070	0.006159
2764.5	0.007443	0.276939	0.002061	0.006134
2764.6	0.007423	0.276567	0.002053	0.006109
2764.7	0.007403	0.276195	0.002045	0.006085
2764.8	0.007383	0.275823	0.002036	0.006060
2764.9	0.007362	0.275451	0.002028	0.006035
2765.0	0.007342	0.275079	0.002020	0.006011
2765.1	0.007322	0.274697	0.002011	0.005986
2765.2	0.007302	0.274316	0.002003	0.005961
2765.3	0.007282	0.273934	0.001995	0.005936
2765.4	0.007262	0.273553	0.001986	0.005912
2765.5	0.007242	0.273171	0.001978	0.005887
2765.6	0.007221	0.272790	0.001970	0.005862
2765.7	0.007201	0.272409	0.001962	0.005838
2765.8	0.007181	0.272028	0.001953	0.005813
2765.9	0.007161	0.271647	0.001945	0.005789
2766.0	0.007141	0.271266	0.001937	0.005765
2766.1	0.007121	0.270993	0.001930	0.005743
2766.2	0.007101	0.270720	0.001922	0.005721
2766.3	0.007081	0.270447	0.001915	0.005699
2766.4	0.007060	0.270173	0.001908	0.005677
2766.5	0.007040	0.269900	0.001900	0.005655
2766.6	0.007020	0.269627	0.001893	0.005633
2766.7	0.007000	0.269354	0.001885	0.005611
2766.8	0.006980	0.269080	0.001878	0.005589
2766.9	0.006960	0.268807	0.001871	0.005567

2767.0	0.006940	0.268534	0.001864	0.005546
2767.1	0.006920	0.268357	0.001857	0.005526
2767.2	0.006899	0.268181	0.001850	0.005506
2767.3	0.006879	0.268005	0.001844	0.005487
2767.4	0.006859	0.267829	0.001837	0.005467
2767.5	0.006839	0.267652	0.001830	0.005447
2767.6	0.006819	0.267476	0.001824	0.005428
2767.7	0.006799	0.267300	0.001817	0.005408
2767.8	0.006778	0.267123	0.001811	0.005389
2767.9	0.006758	0.266947	0.001804	0.005369
2768.0	0.006738	0.266770	0.001798	0.005350
2768.1	0.006718	0.266529	0.001791	0.005329
2768.2	0.006698	0.266288	0.001784	0.005308
2768.3	0.006678	0.266047	0.001777	0.005287
2768.4	0.006658	0.265806	0.001770	0.005266
2768.5	0.006638	0.265565	0.001763	0.005246
2768.6	0.006617	0.265324	0.001756	0.005225
2768.7	0.006597	0.265084	0.001749	0.005204
2768.8	0.006577	0.264843	0.001742	0.005184
2768.9	0.006557	0.264478	0.001734	0.005161
2769.0	0.006537	0.264096	0.001726	0.005138
2769.1	0.006517	0.263794	0.001719	0.005116
2769.2	0.006497	0.263492	0.001712	0.005094
2769.3	0.006476	0.263190	0.001705	0.005073
2769.4	0.006456	0.262889	0.001697	0.005051
2769.5	0.006436	0.262587	0.001690	0.005030
2769.6	0.006416	0.262285	0.001683	0.005008
2769.7	0.006396	0.261984	0.001676	0.004987
2769.8	0.006376	0.261683	0.001668	0.004965
2769.9	0.006356	0.261109	0.001660	0.004939
2770.0	0.006336	0.260808	0.001652	0.004917
2770.1	0.006315	0.260489	0.001645	0.004896
2770.2	0.006295	0.260170	0.001638	0.004874
2770.3	0.006275	0.259851	0.001631	0.004853
2770.4	0.006255	0.259533	0.001623	0.004831
2770.5	0.006235	0.259214	0.001616	0.004810
2770.6	0.006215	0.258895	0.001609	0.004788
2770.7	0.006195	0.258576	0.001602	0.004767
2770.8	0.006175	0.258258	0.001595	0.004745
2770.9	0.006154	0.257939	0.001587	0.004724
2771.0	0.006134	0.257620	0.001580	0.004703
2771.1	0.006114	0.257276	0.001573	0.004681
2771.2	0.006094	0.256932	0.001566	0.004660

2771.3	0.006074	0.256588	0.001558	0.004638
2771.4	0.006054	0.256244	0.001551	0.004616
2771.5	0.006034	0.255900	0.001544	0.004595
2771.6	0.006013	0.255555	0.001537	0.004573
2771.7	0.005993	0.255211	0.001530	0.004552
2771.8	0.005973	0.254867	0.001522	0.004531
2771.9	0.005953	0.254523	0.001515	0.004509
2772.0	0.005933	0.254179	0.001508	0.004488
2772.1	0.005913	0.253921	0.001501	0.004468
2772.2	0.005893	0.253663	0.001495	0.004448
2772.3	0.005873	0.253405	0.001488	0.004429
2772.4	0.005852	0.253147	0.001481	0.004409
2772.5	0.005832	0.252777	0.001474	0.004387
2772.6	0.005812	0.252376	0.001467	0.004365
2772.7	0.005792	0.252118	0.001460	0.004346
2772.8	0.005772	0.251860	0.001454	0.004326
2772.9	0.005752	0.251602	0.001447	0.004307
2773.0	0.005731	0.251344	0.001441	0.004287
2773.1	0.005711	0.251131	0.001434	0.004268
2773.2	0.005691	0.250919	0.001428	0.004250
2773.3	0.005671	0.250707	0.001422	0.004231
2773.4	0.005651	0.250494	0.001416	0.004213
2773.5	0.005631	0.250282	0.001409	0.004194
2773.6	0.005611	0.250069	0.001403	0.004175
2773.7	0.005591	0.249856	0.001397	0.004157
2773.8	0.005570	0.249643	0.001391	0.004138
2773.9	0.005550	0.249430	0.001384	0.004120
2774.0	0.005530	0.249217	0.001378	0.004102
2774.1	0.005510	0.248948	0.001372	0.004082
2774.2	0.005490	0.248678	0.001365	0.004063
2774.3	0.005470	0.248409	0.001359	0.004044
2774.4	0.005450	0.248140	0.001352	0.004024
2774.5	0.005430	0.247871	0.001346	0.004005
2774.6	0.005409	0.247601	0.001339	0.003986
2774.7	0.005389	0.247332	0.001333	0.003967
2774.8	0.005369	0.247063	0.001327	0.003948
2774.9	0.005349	0.246795	0.001320	0.003929
2775.0	0.005329	0.246526	0.001314	0.003910
2775.1	0.005309	0.246200	0.001307	0.003890
2775.2	0.005289	0.245875	0.001300	0.003870
2775.3	0.005268	0.245806	0.001295	0.003854
2775.4	0.005248	0.245480	0.001288	0.003834
2775.5	0.005228	0.245155	0.001282	0.003814

2775.6	0.005208	0.244829	0.001275	0.003795
2775.7	0.005188	0.244504	0.001268	0.003775
2775.8	0.005168	0.244179	0.001262	0.003755
2775.9	0.005148	0.243599	0.001254	0.003732
2776.0	0.005128	0.243274	0.001247	0.003712
2776.1	0.005107	0.242950	0.001241	0.003693
2776.2	0.005087	0.242627	0.001234	0.003673
2776.3	0.005067	0.242304	0.001228	0.003654
2776.4	0.005047	0.241981	0.001221	0.003634
2776.5	0.005027	0.241658	0.001215	0.003615
2776.6	0.005007	0.241335	0.001208	0.003596
2776.7	0.004987	0.241012	0.001202	0.003577
2776.8	0.004966	0.240690	0.001195	0.003557
2776.9	0.004946	0.240367	0.001189	0.003538
2777.0	0.004926	0.240045	0.001183	0.003519
2777.1	0.004906	0.239792	0.001176	0.003501
2777.2	0.004886	0.239538	0.001170	0.003483
2777.3	0.004866	0.239285	0.001164	0.003465
2777.4	0.004846	0.239032	0.001158	0.003447
2777.5	0.004825	0.238779	0.001152	0.003429
2777.6	0.004805	0.238526	0.001146	0.003411
2777.7	0.004785	0.238273	0.001140	0.003393
2777.8	0.004765	0.238021	0.001134	0.003375
2777.9	0.004745	0.237768	0.001128	0.003357
2778.0	0.004725	0.237515	0.001122	0.003340
2778.1	0.004705	0.237290	0.001116	0.003322
2778.2	0.004685	0.237065	0.001111	0.003305
2778.3	0.004664	0.236592	0.001104	0.003284
2778.4	0.004644	0.236367	0.001098	0.003267
2778.5	0.004624	0.236142	0.001092	0.003250
2778.6	0.004604	0.235918	0.001086	0.003232
2778.7	0.004584	0.235693	0.001080	0.003215
2778.8	0.004564	0.235469	0.001075	0.003198
2778.9	0.004544	0.235244	0.001069	0.003181
2779.0	0.004523	0.235020	0.001063	0.003164
2779.1	0.004503	0.234841	0.001058	0.003147
2779.2	0.004483	0.234663	0.001052	0.003131
2779.3	0.004463	0.234485	0.001047	0.003114
2779.4	0.004443	0.234306	0.001041	0.003098
2779.5	0.004423	0.234128	0.001036	0.003082
2779.6	0.004403	0.233950	0.001030	0.003065
2779.7	0.004383	0.233772	0.001025	0.003049
2779.8	0.004362	0.233593	0.001019	0.003033

2779.9	0.004342	0.233502	0.001014	0.003017
2780.0	0.004322	0.233472	0.001009	0.003003
2780.1	0.004302	0.233332	0.001004	0.002987
2780.2	0.004282	0.233192	0.000999	0.002971
2780.3	0.004262	0.233052	0.000993	0.002956
2780.4	0.004242	0.232912	0.000988	0.002940
2780.5	0.004222	0.232771	0.000983	0.002924
2780.6	0.004201	0.232631	0.000977	0.002909
2780.7	0.004181	0.232491	0.000972	0.002893
2780.8	0.004161	0.232351	0.000967	0.002877
2780.9	0.004141	0.232211	0.000962	0.002862
2781.0	0.004121	0.232071	0.000956	0.002846
2781.1	0.004101	0.231923	0.000951	0.002830
2781.2	0.004080	0.231775	0.000946	0.002815
2781.3	0.004060	0.231628	0.000941	0.002799
2781.4	0.004040	0.231480	0.000935	0.002783
2781.5	0.004020	0.231332	0.000930	0.002768
2781.6	0.004000	0.230943	0.000924	0.002749
2781.7	0.003980	0.230795	0.000919	0.002734
2781.8	0.003960	0.230648	0.000913	0.002718
2781.9	0.003940	0.230500	0.000908	0.002702
2782.0	0.003920	0.230353	0.000903	0.002687
2782.1	0.003899	0.230241	0.000898	0.002672
2782.2	0.003879	0.230129	0.000893	0.002657
2782.3	0.003859	0.230017	0.000888	0.002642
2782.4	0.003839	0.229904	0.000883	0.002627
2782.5	0.003819	0.229792	0.000878	0.002611
2782.6	0.003799	0.229680	0.000872	0.002596
2782.7	0.003779	0.229568	0.000867	0.002581
2782.8	0.003758	0.229456	0.000862	0.002566
2782.9	0.003738	0.229343	0.000857	0.002551
2783.0	0.003718	0.229231	0.000852	0.002536
2783.1	0.003698	0.229127	0.000847	0.002522
2783.2	0.003678	0.228782	0.000841	0.002504
2783.3	0.003658	0.228601	0.000836	0.002488
2783.4	0.003638	0.228343	0.000831	0.002472
2783.5	0.003617	0.228238	0.000826	0.002457
2783.6	0.003597	0.228134	0.000821	0.002442
2783.7	0.003577	0.228030	0.000816	0.002428
2783.8	0.003557	0.227925	0.000811	0.002413
2783.9	0.003537	0.227821	0.000806	0.002398
2784.0	0.003517	0.227716	0.000801	0.002383
2784.1	0.003497	0.227571	0.000796	0.002368

2784.2	0.003477	0.227425	0.000791	0.002353
2784.3	0.003456	0.227279	0.000786	0.002338
2784.4	0.003436	0.227134	0.000780	0.002323
2784.5	0.003416	0.226988	0.000775	0.002308
2784.6	0.003396	0.226843	0.000770	0.002293
2784.7	0.003376	0.226460	0.000764	0.002275
2784.8	0.003356	0.226314	0.000759	0.002260
2784.9	0.003336	0.226169	0.000754	0.002245
2785.0	0.003315	0.226024	0.000749	0.002230
2785.1	0.003295	0.225865	0.000744	0.002215
2785.2	0.003275	0.225706	0.000739	0.002200
2785.3	0.003255	0.225547	0.000734	0.002185
2785.4	0.003235	0.225388	0.000729	0.002170
2785.5	0.003215	0.225230	0.000724	0.002155
2785.6	0.003195	0.225071	0.000719	0.002140
2785.7	0.003174	0.224912	0.000714	0.002125
2785.8	0.003154	0.224754	0.000709	0.002110
2785.9	0.003134	0.224595	0.000704	0.002095
2786.0	0.003114	0.224436	0.000699	0.002080
2786.1	0.003094	0.224260	0.000694	0.002065
2786.2	0.003074	0.224084	0.000689	0.002050
2786.3	0.003054	0.223908	0.000684	0.002035
2786.4	0.003034	0.223732	0.000679	0.002020
2786.5	0.003013	0.223556	0.000674	0.002005
2786.6	0.002993	0.223380	0.000669	0.001990
2786.7	0.002973	0.222970	0.000663	0.001973
2786.8	0.002953	0.222794	0.000658	0.001958
2786.9	0.002933	0.222619	0.000653	0.001943
2787.0	0.002913	0.222443	0.000648	0.001928
2787.1	0.002893	0.222242	0.000643	0.001913
2787.2	0.002873	0.222041	0.000638	0.001898
2787.3	0.002852	0.221840	0.000633	0.001883
2787.4	0.002832	0.221639	0.000628	0.001868
2787.5	0.002812	0.221438	0.000623	0.001853
2787.6	0.002792	0.221237	0.000618	0.001838
2787.7	0.002772	0.221036	0.000613	0.001823
2787.8	0.002752	0.220835	0.000608	0.001808
2787.9	0.002732	0.220634	0.000603	0.001793
2788.0	0.002711	0.220433	0.000598	0.001779
2788.1	0.002691	0.220241	0.000593	0.001764
2788.2	0.002671	0.220049	0.000588	0.001749
2788.3	0.002651	0.219857	0.000583	0.001735
2788.4	0.002631	0.219666	0.000578	0.001720

2788.5	0.002611	0.219474	0.000573	0.001705
2788.6	0.002591	0.219282	0.000568	0.001691
2788.7	0.002570	0.219067	0.000563	0.001676
2788.8	0.002550	0.218845	0.000558	0.001661
2788.9	0.002530	0.218624	0.000553	0.001646
2789.0	0.002510	0.218403	0.000548	0.001631
2789.1	0.002490	0.218229	0.000543	0.001617
2789.2	0.002470	0.218055	0.000539	0.001603
2789.3	0.002450	0.217881	0.000534	0.001588
2789.4	0.002429	0.217707	0.000529	0.001574
2789.5	0.002409	0.217562	0.000524	0.001560
2789.6	0.002389	0.217418	0.000519	0.001546
2789.7	0.002369	0.217046	0.000514	0.001530
2789.8	0.002349	0.216902	0.000510	0.001516
2789.9	0.002329	0.216758	0.000505	0.001502
2790.0	0.002309	0.216614	0.000500	0.001488
2790.1	0.002289	0.216569	0.000496	0.001475
2790.2	0.002269	0.216524	0.000491	0.001462
2790.3	0.002248	0.216479	0.000487	0.001448
2790.4	0.002228	0.216434	0.000482	0.001435
2790.5	0.002208	0.216389	0.000478	0.001422
2790.6	0.002188	0.216344	0.000473	0.001409
2790.7	0.002168	0.216300	0.000469	0.001395
2790.8	0.002148	0.216255	0.000464	0.001382
2790.9	0.002128	0.216210	0.000460	0.001369
2791.0	0.002107	0.216165	0.000456	0.001356
2791.1	0.002087	0.216198	0.000451	0.001343
2791.2	0.002067	0.216231	0.000447	0.001330
2791.3	0.002047	0.216264	0.000443	0.001317
2791.4	0.002027	0.216297	0.000438	0.001305
2791.5	0.002007	0.216330	0.000434	0.001292
2791.6	0.001987	0.216363	0.000430	0.001279
2791.7	0.001966	0.216396	0.000426	0.001266
2791.8	0.001946	0.216429	0.000421	0.001254
2791.9	0.001926	0.216462	0.000417	0.001241
2792.0	0.001906	0.216267	0.000412	0.001227
2792.1	0.001886	0.216343	0.000408	0.001214
2792.2	0.001866	0.216419	0.000404	0.001202
2792.3	0.001846	0.216495	0.000400	0.001189
2792.4	0.001826	0.216571	0.000395	0.001177
2792.5	0.001805	0.216648	0.000391	0.001164
2792.6	0.001785	0.216724	0.000387	0.001151
2792.7	0.001765	0.216800	0.000383	0.001139

2792.8	0.001745	0.216876	0.000378	0.001126
2792.9	0.001725	0.216952	0.000374	0.001114
2793.0	0.001705	0.217257	0.000370	0.001102
2793.1	0.001685	0.217285	0.000366	0.001089
2793.2	0.001664	0.217313	0.000362	0.001076
2793.3	0.001644	0.217341	0.000357	0.001064
2793.4	0.001624	0.217369	0.000353	0.001051
2793.5	0.001604	0.217397	0.000349	0.001038
2793.6	0.001584	0.217196	0.000344	0.001024
2793.7	0.001564	0.217224	0.000340	0.001011
2793.8	0.001544	0.217252	0.000335	0.000998
2793.9	0.001523	0.217280	0.000331	0.000985
2794.0	0.001503	0.217308	0.000327	0.000972
2794.1	0.001483	0.217245	0.000322	0.000959
2794.2	0.001463	0.217182	0.000318	0.000946
2794.3	0.001443	0.217170	0.000313	0.000933
2794.4	0.001423	0.217275	0.000309	0.000920
2794.5	0.001403	0.217212	0.000305	0.000907
2794.6	0.001383	0.217149	0.000300	0.000893
2794.7	0.001362	0.217086	0.000296	0.000880
2794.8	0.001342	0.217023	0.000291	0.000867
2794.9	0.001322	0.216960	0.000287	0.000854
2795.0	0.001302	0.216897	0.000282	0.000840
2795.1	0.001282	0.216812	0.000278	0.000827
2795.2	0.001262	0.216727	0.000273	0.000814
2795.3	0.001242	0.216642	0.000269	0.000800
2795.4	0.001221	0.216557	0.000265	0.000787
2795.5	0.001201	0.216472	0.000260	0.000774
2795.6	0.001181	0.216387	0.000256	0.000761
2795.7	0.001161	0.216075	0.000251	0.000747
2795.8	0.001141	0.215990	0.000246	0.000733
2795.9	0.001121	0.215905	0.000242	0.000720
2796.0	0.001101	0.215820	0.000238	0.000707
2796.1	0.001081	0.215713	0.000233	0.000694
2796.2	0.001060	0.215606	0.000229	0.000680
2796.3	0.001040	0.215498	0.000224	0.000667
2796.4	0.001020	0.215391	0.000220	0.000654
2796.5	0.001000	0.215284	0.000215	0.000641
2796.6	0.000955	0.215176	0.000206	0.000612
2796.7	0.000907	0.215069	0.000195	0.000581
2796.8	0.000856	0.214962	0.000184	0.000547
2796.9	0.000802	0.214628	0.000172	0.000512
2797.0	0.000744	0.214521	0.000160	0.000475

2797.1	0.000684	0.214448	0.000147	0.000436
2797.2	0.000620	0.214374	0.000133	0.000396
2797.3	0.000554	0.214301	0.000119	0.000353
2797.4	0.000484	0.214228	0.000104	0.000308
2797.5	0.000411	0.214154	0.000088	0.000262
2797.6	0.000335	0.214081	0.000072	0.000213
2797.7	0.000256	0.214008	0.000055	0.000163
2797.8	0.000174	0.213934	0.000037	0.000111
2797.9	0.000088	0.213635	0.000019	0.000056
2798.0	0.000000	0.213562	0.000000	0.000000

Table D.7-14. MetOp-B HIRS/307 Channel 20 Slope and Intercept (Albedo %).		
Source	Slope	Intercept
Pre-launch calibration	0.02715	82.3500
Post-launch calibration	TBD	TBD

AMSU:

Table D.7-15. MetOp-B AMSU-A1 (S/N 108, ID=XX) PRT Temperature Conversion Coefficients.					
	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count2)	f_{k3} (K/count3)
Scan Motor A1-1	1	263.4500	1.758281E-03	3.776942E-09	1.045518E-14
Scan Motor A1-2	2	263.6895	1.750961E-03	3.906845E-09	9.214732E-15
Feedhorn A1-1	3	263.2957	1.748610E-03	3.620275E-09	1.955832E-14
Feedhorn A1-2	4	263.2468	1.754621E-03	3.729692E-09	1.224483E-14
RF Mux A1-1	5	264.0316	1.758565E-03	3.633179E-09	1.415604E-14
RF Mux A1-2	6	263.5459	1.745708E-03	4.087797E-09	6.877655E-15
L.O. CH 3	7	264.1317	1.776428E-03	1.743998E-09	5.693570E-14
L.O. CH 4	8	2.631476	1.756688E-03	3.432068E-09	1.715760E-14
L.O. CH 5	9	263.9358	1.759666E-03	3.64910E-09	1.314828E-14
L.O. CH 6	10	263.5296	1.753765E-03	3.563556E-09	1.442709E-14
L.O. CH 7	11	263.3737	1.757464E-03	3.680657E-09	1.305827E-14
L.O. CH 8	12	263.5568	1.754537E-03	3.784778E-09	1.139240E-14
L.O. CH 15	13	263.4084	1.754741E-03	3.737990E-09	1.255287E-14
PLLO #2 CH9-14	14	263.6483	1.756937E-03	3.750167E-09	1.241121E-14
PLLO #1 CH9-14	15	263.8492	1.746799E-03	4.098968E-09	6.707079E-15
Not Used	16	0.000000	.0000000	0.000000	0.000000
Mixer/IF CH 3	17	263.9014	1.758879E-03	3.700657E-09	1.142527E-14
Mixer/IF CH 4	18	263.5892	1.765190E-03	3.310742E-09	1.555509E-14
Mixer/IF CH 5	19	264.0800	1.761166E-03	3.760229E-09	9.199774E-15
Mixer/IF CH 6	20	263.5704	1.758490E-03	3.551755E-09	1.509689E-14
Mixer/IF CH 7	21	263.6794	1.753715E-03	3.850171E-09	1.004074E-14
Mixer/IF CH 8	22	263.7309	1.754421E-03	3.846902E-09	1.015909E-14
Mixer/IF CH9 -14	23	263.6108	1.758385E-03	3.735271E-09	1.251413E-14
Mixer/IF CH 15	24	263.8234	1.816009E-03	-1.123325E-9	1.118221E-13
IF Amp.CH11 - 14	25	263.6217	1.758621E-03	3.847305E-09	1.077732E-14
IF Amp. CH 9	26	263.3883	1.750234E-03	3.822652E-09	1.058365E-14
IF Amp. Ch.10	27	263.6809	1.750587E-03	4.155557E-09	5.377089E-15
IF Amp. Ch.11	28	263.1202	1.753775E-03	3.824615E-09	1.097406E-14
DC/DC Converter	29	263.2312	1.757984E-03	3.863116E-09	1.034859E-14
IF Amp. Ch.13	30	263.6065	1.760069E-03	3.743452E-09	1.195857E-14
IF Amp. Ch.14	31	263.3785	1.757888E-03	3.508320E-09	1.548673E-14

IF Amp. Ch.12	32	264.4315	1.758692E-03	3.716511E-09	1.281829E-14
RF Shelf A1-1	33	263.3667	1.753562E-03	3.773557E-09	1.157848E-14
RF Shelf A1-2	34	263.4328	1.746659E-03	3.980124E-09	7.519710E-15
Detector/PreAmp	35	263.4804	1.747772E-03	4.072002E-09	6.546018E-15
A1-1WarmLoad#1	36	254.8997	1.648687E-03	5.991585E-09	3.065891E-14
A1-1WarmLoad#2	37	254.7430	1.652318E-03	6.019787E-09	2.985889E-14
A1-1WarmLoad#3	38	254.6643	1.653924E-03	5.984108E-09	2.977630E-14
A1-1WarmLoad#4	39	254.8877	1.657419E-03	5.934120E-09	3.170922E-14
A1-1WmLdCenter	40	254.1918	1.646504E-03	6.076072E-09	2.822418E-14
A1-2WarmLoad#1	41	255.6000	1.616267E-03	6.159216E-09	3.710113E-14
A1-2WarmLoad#2	42	254.7424	1.648622E-03	5.930811E-09	3.039077E-14
A1-2WarmLoad#3	43	255.5381	1.618047E-03	6.105881E-09	3.642724E-14
A1-2WarmLoad#4	44	255.4768	1.629635E-03	6.206130E-09	3.855268E-14
A1-2WmLdCenter	45	254.4784	1.647034E-03	5.951871E-09	2.956863E-14

Table D.7-16. METOP-B AMSU-A2 (S/N 106) PRT Temperature Conversion Coefficients.					
	PRT #	f_{k0} (K)	f_{k1} (K/count)	f_{k2} (K/count²)	f_{k3} (K/count³)
Scan Motor	1	263.0500	1.768701E-03	3.035826E-09	2.411055E-14
Feedhorn	2	263.9791	1.755278E-03	3.676936E-09	1.338868E-14
RF Diplexer	3	263.0303	1.751818E-03	3.772822E-09	1.201623E-14
Mixer/IF Ch 1	4	262.8936	1.750950E-03	3.741844E-09	1.193591E-14
Mixer/IF Ch 2	5	263.3983	1.747844E-03	3.904778E-09	1.124681E-14
Ch1 DRO	6	263.6706	1.748606E-03	3.732496E-09	1.196941E-14
Ch2 DRO	7	264.0607	1.757530E-03	3.787052E-09	1.074201E-14
Compensator Motor	8	263.5399	1.756535E-03	3.293439E-09	2.392853E-14
Sub Reflector	9	263.6364	1.762558E-03	3.111749E-09	2.573409E-14
DC/DC Converter	10	264.0059	1.752656E-03	3.763642E-09	1.140793E-14
RF Shelf	11	263.9771	1.667745E-03	4.409753E-09	2.290814E-14
Detector Pre-Amp	12	263.8627	1.757180E-03	3.719581E-09	1.268086E-14
Warm Load Ctr	13	254.5488	1.652287E-03	5.853095E-09	3.339400E-14
Warm Load #1	14	254.8630	1.659508E-03	6.012053E-09	3.185466E-14
Warm Load #2	15	254.4708	1.651211E-03	5.842483E-09	3.249341E-14
Warm Load #3	16	254.6503	1.647149E-03	6.171147E-09	2.653088E-14
Warm Load #4	17	254.5548	1.652328E-03	5.916694E-09	3.096232E-14
Warm Load #5	18	254.4847	1.649702E-03	6.029762E-09	2.927145E-14
Warm Load #6	19	254.7206	1.651919E-03	6.051796E-09	2.758804E-14

Table D.7-17. METOP-B AMSU-A Measured Channel Characteristics.							
Ch #	Instrument/Serial #	Central Frequency (GHz)	Central Wavenumber (cm⁻¹)	I/F Frequencies (GHz)			
				Sideband 1		Sideband 2	
				Begin (f₁)	End (f₂)	Begin (f₃)	End (f₄)
1*	A2/108	23.80084	0.793897	0.00872	0.13423	N/A	N/A
2*	A2/108	31.39952	1.047421	0.00877	0.08912	N/A	N/A
3*	A1-2/106	50.29974	1.677830	0.00890	0.08900	N/A	N/A
4*	A1-2/106	52.80007	1.761235	0.00912	0.19916	N/A	N/A
5	A1-2/106	53.59597	1.787785	0.03138	0.19886	N/A	N/A
6*	A1-1/106	54.40008	1.814590	0.00915	0.19933	N/A	N/A
7*	A1-1/106	54.94034	1.832608	0.00910	0.19919	N/A	N/A
8*	A1-2/106	55.50025	1.851295	0.00914	0.16402	N/A	N/A
9*	A1-1/106	57.29034	1.911001	0.00911	0.16415	N/A	N/A
10	A1-1/106	57.29034	1.911001	0.17901	0.25534	N/A	N/A
11	A1-1/106	57.29034	1.911001	0.25681	0.29166	0.35266	0.38803
12	A1-1/106	57.29034	1.911001	0.29255	0.30798	0.33633	0.35183
13	A1-1/106	57.29034	1.911001	0.30829	0.31614	0.32822	0.33609
14	A1-1/106	57.29034	1.911001	0.31632	0.31925	0.32531	0.32825
15*	A1-1/106	89.00971	2.968887	0.49208	1.48898	N/A	N/A
* The lower frequency cutoff in these single passband channels is due to the stop band.							

Table D.7-17 contains the measured channel characteristics for METOP-B AMSU-A (channels 1-15). The central frequencies are interpolated from the temperature dependent data to 15 C. The f₁, f₂, f₃, and f₄ for channels 11-14 are computed from tabulated values. All values are for 15 C. Detailed information on the terminology used in this table can be found in Section 3.3.2.1.

MHS:

Table D.7-18. MetOp-B MHS Coefficients for Converting PRT Resistance (Ohms) to PRT Temperature (K).					
PRT #	f_{k0}	f_{k1}	f_{k2}	f_{k3}	PIE-A/B
A1	25.22634	2.416384	4.649441E-04	1.63655E-06	PIE-A
A2	30.20554	2.271096	1.856288E-04	-2.779819E-07	
A3	29.08906	2.304027	1.546938E-03	-1.813721E-07	
A4	27.69009	2.343849	1.173131E-03	-6.559966E-07	
A5	31.28914	2.239868	2.168793E-03	-3.815892E-05	
B1	26.17037	2.389775	7.117249E-04	-8.779940E-05	PIE-B
B2	27.87629	2.338990	1.213371E-03	-7.601953E-07	
B3	24.75568	2.430677	3.197226E-03	2.130234E-06	
B4	29.85037	2.283257	1.736160E-03	-2.388943E-06	
B5	26.96129	2.367066	9.293956E-02	-1.877201E-07	

Table D.7-19. MetOp-B MHS Resistances (Ohms) for Three PRT Calibration Channels.			
Rcal_1	Rcal_2	Rcal_3	PIE-A or -B
117.970	95.279	85.594	PIE-A
117.986	95.283	80.601	PIE-B

Table D.7-20. MetOp-B MHS Coefficients for Converting Counts into Temperatures(K).				
g₀	g₁	g₂	g₃	g₄
355.9982	-0.239278	-4.85712E-03	3.59838E-05	-8.02652E-08
Note:				
1. One set of coefficients applies to 24 housekeeping thermistors.				

Table D.7-21 MetOp-B MHS Coefficients for Converting Counts into Current (amps) for Current Monitors .		
Name	Intercept	Slope
RDM Motor	0.000000	0.0133700
FDM Motor	0.000000	0.0133700
EE+SM+5V	0.000000	0.0168100
Receiver+8V	-.0769000	0.0207200
Receiver+15V	-.0628000	0.0078900
Receiver-15V	-.0005358	0.0019030

Table D.7-22. MetOp-B MHS Coefficients for Converting Volts into Temperatures (K).					
h₀	h₁	h₂	h₃	h₄	h₅
363.4522	-108.1000	64.2120	-22.8659	4.1100	-0.2950

Table D.7-23. MetOp-B MHS Values of the Nonlinearity Parameters $m(m^2\text{-sr-cm}^{-1})/mW$.						
Instru- ment Temp. (See Note 1)	Ch 16	Ch 17	Ch. 18	Ch. 19	Ch. 20	LO (C)
14.4						LO-A
25.4	-5.638002 E-03	-2.39221 3E-04	-2.953739E-02	-2.247278E-02	-2.606214E-03	LO-A
38.1						LO-A
14.4						LO-B
25.4						LO-B
38.1						LO-B
Note:						
1. QBS5 temperature.						

Table D.7-24. MetOp-B MHS Wavenumbers and Band-Correction Factors.			
Channel Number	Wavenumber (cm-1)	Band-correction factors: $T_w = b + c * T_w$	
		b	c
16	2.968720	0.0	1.0
17	5.236956	0.0	1.0
18	6.114597	0.0	1.0
19	6.114597	-0.0031	1.00027
20	6.348092	0.0	1.0

Table D.7-25. MetOp-B MHS (PFM, S/N=103) Channel IF Characteristics.				
Channel	Nominal Center Frequency (GHz)	Lower IF -3 dB Frequency (GHz)	Upper IF -3 dB Frequency (GHz)	# Bandpasses
H1				1
H2				1
H3				2
H4				2
H5				1