



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for May 9, 2014
Ed Kearns, Acting Chief

	CDR	PI TM	Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release		
			Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov
2	Cloud Properties	Heidinger Knapp	x	x	x	x	17-Mar	11-Jan	x	16-Jan	x	x		14-Jan	x	30-Jan	21-Apr	x		16-Jan	In Progress	5-Mar								May 2014
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov		6-Nov		6-May	7-May			May 2014
5	MSU TCDR	Zou Semunegus	x	IP 23-Dec	25-Feb	25-Feb	25-Feb	25-Feb	25-Feb	19-Mar	4-Mar	4-Mar	4-Mar	4-Mar	4-Mar	26-Mar	28-Mar	31-Mar	31-Mar	31-Mar	28-Mar	2-Apr		2-May	8-May	25-Apr	1-Apr			May 2014
6	OLR Daily	HT Lee Shreck	x	x	May	6-Jan	Apr	11-Jan	30-Jan			10-Jan		14-Jan				15-Jan		15-Jan										May 2014
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec	3-Apr		19-Feb	25-Nov	ATRAC	16-Dec				13-Dec															Jun 2014
10	Stratospheric (Ozone)	Rosenlof Young	x	x			20-Mar		30-Oct 4-Apr	ATRAC			27-Mar		6-Jan															Jul 2014
11,12	Cryosphere (APP FCDR (APP-x TCDF)	Key Young	13-Jun	IP 20-Dec			20-Mar	12-Mar	12-Mar				25-Apr	20-Mar	25-Apr															Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x	22-Nov		14-Feb	31-Dec	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb	14-Feb	18-Feb															Aug 2014
14	Vegetation (LAI/FAPAR)	Vermote Matthews	x	17-Jan	24-Jun	2-Jul	26-Jul	7-May		6-Nov	29-May	9-Jul	22-Aug			8-Nov		1-Nov												Sep 2014
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct 10-Jan								NCDC creating									Sep 2014
16	CMORPH	Xie Prat	x																											Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC																				Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC																				Nov 2014
19	ISCCP	Rossow Knapp	x	17-Jan																										Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng	x	PI says NO deliverables																										Dec 2014
21	Tropospheric Height	Ho Shi	x	On Hold																										Dec 2014



ID	CDR	PI TM	Assessment					Deliver Drafts					Review and Provide Feedback					Deliver Final Versions					Misc		Archive			Release			
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1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	1)	Complete																											7-Nov
2	Cloud Properties	Heidinger Knapp	2)	Data ready for archive.																										May 2014	
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	3-4)	All data has been archived, request sent to Access to place on ftp/THREDDS.																										May 2014	
5	MSU TCDR	Zou Semunegus	5)	All docs put in the Library; Security review complete, code package archived.																										May 2014	
6	OLR Daily	HT Lee Shreck	6)	PI will serve the data until ORR is complete - due to ESRL no longer updating daily OLR																										May 2014	
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	7-9)	Received full month of sample data, anomaly in Pacific persists for 14 days then fades out (caused by no data until the 13 th)																										Jun 2014	
10	Stratospheric (Ozone)	Rosenlof Young	10)	Received updated sample data																										Jul 2014	
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	11-12)	Reviewing TCDR C-ATBD; Feedback sent on metadata																										Aug 2014	
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	13)	60TB dataset – Will deliver in segments (first 14 TB should be available in May), AB plans to put into CLASS																										Aug 2014	
14	Vegetation (LAI/FAPAR)	Vermote Matthews	14)																											Sep 2014	
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	15)	Internal production matched the sample data for both CTP and TPW. Need L1B Patmos data for input, need to add to SA																										Sep 2014	
16	CMORPH	Xie Prat	16)	Start work in FY14 – but low priority																										Oct 2014	
17	Solar Irradiance (Observational)	Pilewskie Inamdar	17)	Received updated Flow diagram (combines TSI and SSI)																										Nov 2014	
18	Solar Irradiance (Composite)	Lean Inamdar	18)	Received draft MM																										Nov 2014	
19	ISCCP	Rossow Knapp	19)	Anand/Alisa/Bill found coding error; they were able to step through one month of processing																										Dec 2014	
20	IRT Sea Ice Concentration	Fetterer Peng	20)	CIRES money in place; PI says there are NO deliverables with a grant - will need to monitor closely																										Dec 2014	
21	Tropospheric Height	Ho Shi	21)	Low Priority																										Dec 2014	



SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc	Up-to-date with Data deliveries	QA Results	IP Lic.	CDRP action required?
UAH MSU			not public			CH - review CR Questionnaire and respond to PI
Pathfinder SST			data thru 2012/not monthly			CH - continue monitoring CR/ continue reviewing Implementation Plan
PATMOS-x			Currently undergoing CR			AB - pulling data
AMSU-A ch7						
AMSU-A ch9						
GridSat B1	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR PI - need Maturity Matrix and C-ATBD submitted
CSU SSMI(S)						
Monthly OLR			was not funded FY12 for O&M	not in WA		CH - continue monitoring CR
RSS MSU				not in WA		
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR
PERSIANN						CH - continue monitoring CR
RSS SSMI(S)				not in WA		
AOT	N/A	N/A		N/A	N/A	
AMSU Chs 4-14						



CDR Program Office

NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – May 9, 2014

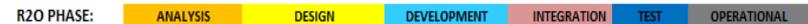
VIIRS

- 1 • Completed code for C-RDR.

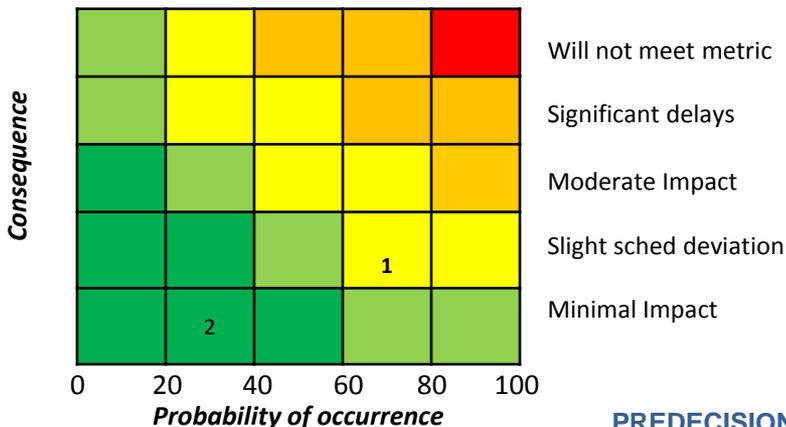
System Infrastructure

- 2 • Integrating with the VIIRS C-RDR.
- **Preparing C-RDR presentation for STAR JPSS science meeting.**
- **Testing Java viewer for C-RDRs (will be available on web page).**
- **Completed draft NCDL web page for C-RDRs.**
- **Completed draft Project Plan for input monitoring.**
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment .
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- Will deliver initial version with ADL 3.1.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
Milestones							▲		▲▲									
Finalize Code																		
TEST																		
Dry Runs																		
SAT																		
OPERATIONS																		
Prepare OPS																		
Operations																		
Analyze Monitor																		
CR: Support Data																		



Risk Matrix



Risk and Mitigation

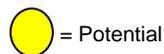
VIIRS –

•Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.

System Infrastructure –

Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.

PREDECISIONAL DRAFT INFORMATION





CDR Program Office

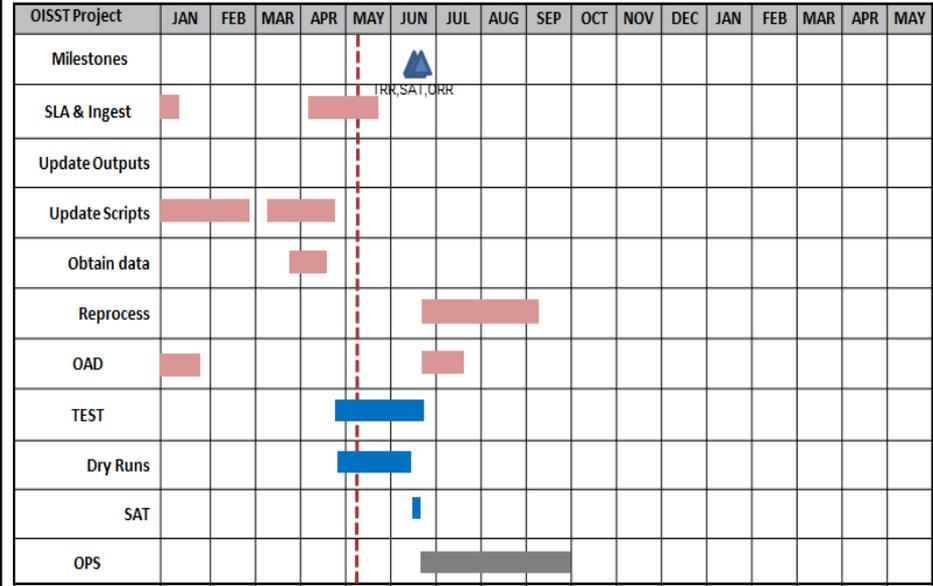
OISST Research to Operations Project

Weekly Report – May 9, 2014

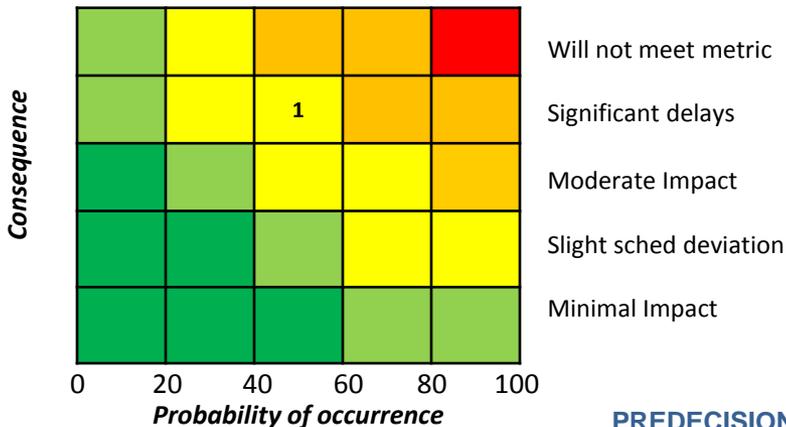
1 OISST – Optimum Interpolated Sea Surface Temperature

- **Gathering test data for the SAT.**
- **Completed GHRSSST 2.0 output format review. Working on action items from the review.**
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



Risk Matrix



Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

5/12/2014

