NOVEMBER 1976
WASHINGTON, D. C.
NATIONAL WEATHER SERVICE OFC
WASHINGTON NATIONAL AIRPORT

Local Climatological Data

MONTHLY SUMMARY

LATITUDE 38° 51 ′N LONGITUDE 77° 02 ′W ELEVATION (GROUND) 10 FT. STANDARD TIME USED: EASTERN WBAN #13743

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65° HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)	WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION WATER EQUIVALENT IN	SNOW, ICE PELLETS IN.	AVG. STATION PRESSURE IN. ELEV. 65 FEET M.S.L.	WIND RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	FASTEST MILE DIRECTION	SUNSHINE MINUTES	PERCENT OF POSSIBLE	SKY COVER TENTHS SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	55	39	47	-7	28	18	0		0	0	0	30.09	32	15.3	15.5	27	NW	591	93	2	2	1
2	53	32	43	-10	30	22	0		0	0	0	30.23	20	5.4	7.3	14	S	620	98	0	2	2
3	54	42	48	-5	36	17	0		0	T	0	30.00	18	6.1	8.2	14	SW	0	0	9	9	3
4	62	43	53	0	37	12	0		0	0	0	29.90	09	1.8	6.0	12	NW	298	48	7	8	4
5	50	37	44	-8	29	21	0		0	0	0	29.94	32	13.7	14.7	23	N	92	15	8	6	5
6	56	34	45	-7	28	20	0		0	0	0	30.04	21	10.0	10.4	17	SW	611	98	3	2	6
7	62	40	51	0	33	14	0		0	0	0	29.89	27	5.7	10.5	20	N	194	31	9	8	7
8	42	31	37	-14	18	28	0		0	0	0	29.95	31	14.9	15.2	29	NW	312	50	8	4	8
9	46	26	36	-15	17	29	0		0	0	0	29.96	20	10.5	11.8	22	SW	341	55	6	4	9
10	60	35	48	-2	27	17	0		0	0	0	29.74	29	6.2	8.3	23	NW	548	89	3	3	10
11	52	33	43	-7	28	22	0		0	T	0	29.98	30	4.3	8.3	18	NW	103	17	9	7	11
12	43	34	39	-11	30	26	0		T	.12	.6	30.16	33	7.1	9.1	15	NW	89	15	8	6	12
13	46	32	39	-10	22	26	0		0	0	0	30.24	29	11.6	12.1	19	NW	424	70	3	2	13
14	50	26	38	-11	23	27	0		0	0	0	30.12	22	7.8	8.6	15	S	474	78	4	5	14
15	46	35	41	-7	29	24	0	4	0	T	T	29.98	06	1.2	5.5	9	NE	0	0	9	7	15
16	51	31	41	-7	24	24	0		0	0	0	30.15	28	3.5	5.0	15	NW	602	100	0	0	16
17	50	27	39	-8	29	26	0	8	0	0	0	30.07	19	6.9	7.3	14	S	147	25	8	5	17
18	58	37	48	1	29	17	0		0	0	0	29.71	27	7.8	11.1	27	NW	550	92	1	2	18
19	74*	36	55	8	32	10	0		0	0	0	29.61	27	6.2	11.2	24	N	597	100	1	2	19
20	53	37	45	-1	27	20	0		0	0	0	29.71	31	5.5	6.8	17	W	320	54	5	5	20
21	52	31	42	-4	32	23	0		0	.10	0	29.64	21	4.1	7.8	17	NW	365	61	5	6	21
22	44	32	38	-7	22	27	0		0	0	0	29.83	29	12.5	13.2	29	NW	498	84	3	2	22
23	42	29	36	-9	16	29	0		0	0	0	30.10	28	11.5	11.8	21	NW	453	77	2	3	23
24	43	25	34	-11	24	31	0		0	T	T	30.08	21	6.4	6.9	17	SW	184	31	8	7	24
25	48	34	42	-2	31	23	0		0	0	0	30.04	20	3.1	5.5	13	S	74	13	8	5	25
26	64	39	52	8	40	13	0		0	T	0	29.96	20	12.8	12.8	22	SW	224	38	8	8	26
27	65	50	58*	15	52	7	0	1	0	.07	0	29.85	19	10.9	11.2	16	SW	326	56	5	5	27
28	59	48	54	11	55	11	0	2	0	.18	0	29.75	18	4.5	6.3	19	NW	0	0	10	10	28
29	50	24	37	-5	31	28	0	1 4	0	.38	.2	29.79	32	15.1	15.2	23	NW	0	0	10	8	29
30	31	18*	25*	-17	6	40	0		0	0	0	30.27	32	11.9	11.9	17	NW	581	100	1	0	30
SUM	1562	SUM 1017				TOTAL 652	TOTAL 0	NUMBER OF DAYS		TOTAL .85	TOTAL .8	29.96	FOR THE MONTH: 27	4.9	9.9	29	NW	TOTAL 9618	% FOR MONTH	SUM 163	SUM 143	
AVG.	52.1	AVG. 33.9	AVG. 43.0	DEP. -5.0	AVG. 29	DEP. 142	DEP. 0	PRECIPITATION ≥.01 INCH	5	DEP. -2.05						DATE: 22+		POSSIBLE 18142	53	AVG. 5.4	AVG. 4.8	
NUMBER OF DAYS						SEASON TO DATE TOTAL 969	TOTAL 1554	SNOW, ICE PELLETS ≥ 1.0 INCH	0													
MAXIMUM TEMP. ≥ 90°		≤ 32° 1	MINIMUM TEMP. ≤ 32° 13		≤ 0° 0	DEP. 255	DEP. 139	THUNDERSTORMS	0	GREATEST IN 24 HOURS AND DATES PRECIPITATION .56	28-29	SNOW, ICE PELLETS .6		12		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE T	12					
								HEAVY FOG 1	CLEAR 11	PARTLY CLOUDY 6	CLOUDY 13											

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T TRACE AMOUNT
+ ALSO ON AN EARLIER DATE, OR DATES.
HEAVY FOG: - VISIBILITY 1/4 MILE OR LESS.
FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.
ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR LOCAL TIME	AVERAGES SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	RESULTANT WIND DIRECTION	SPEED M.P.H.
01	5	29.96	40	36	28	66	8.5	27	4.6
04	4	29.96	38	34	29	71	7.6	26	3.8
07	5	29.98	37	34	29	73	8.7	25	3.8
10	6	30.00	44	39	30	61	11.7	27	5.4
13	6	29.94	50	42	29	48	12.8	27	7.1
16	5	29.92	50	41	28	44	11.7	27	6.6
19	4	29.95	46	39	28	52	9.6	29	4.7
22	4	29.97	42	37	29	62	8.2	27	3.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	P. M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	DATE
1																									1
2																									2
3																			T	T					3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10																									10
11																							T	T	11
12	T	.01	.01	.02	.01	.02	.03	T	.01	.01	T	T													12
13																									13
14																									14
15									T	T	T	T	T	T											15
16																									16
17																									17
18																									18
19																									19
20																									20
21																		.01	.08	.01					21
22																									22
23																									23
24															T										24
25																									25
26																								T	26
27	T	.04	.02	T			.01	T																	27
28														T	T	T	.01	T	.01	.01	.01	.02	.05	.07	28
29	.08	.05	.04	.02	.02	.02	.03	.01	.02	.05	.02	.01	.01	T											29
30																									30

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USCOMM--NOAA--ASHEVILLE 12/18/78 1375

NOVEMBER 1976 WASHINGTON, D. C.

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER TENTHS	CEILING HNDS. OF FT.	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	TEMPERATURE REL. HUM. %	WIND DIR	WIND SPEED KNOTS
DAY 01											
01	6	40	15			50	45	40	69	31	9
04	3	UNL	20			45	40	33	63	33	15
07	0	UNL	20			42	37	29	60	32	19
10	0	UNL	25			47	39	28	48	34	15
13	3	UNL	25			53	42	27	37	31	17
16	5	UNL	25			52	41	23	32	32	16
19	0	UNL	20			47	37	22	37	32	10
22	0	UNL	20			42	35	23	47	33	7
DAY 02											
01	3	UNL	20			38	33	25	60	33	6
04	2	UNL	20			34	31	25	70	00	0
07	0	UNL	20			33	31	28	82	22	6
10	0	UNL	20			46	40	32	58	15	5
13	0	UNL	20			52	44	33	49	17	9
16	0	UNL	20			53	43	31	43	20	10
19	2	UNL	20			46	41	34	63	19	7
22	6	UNL	20			44	39	31	60	20	8
DAY 03											
01	10	120	20			43	38	31	63	19	9
04	8	250	20			43	38	32	65	19	9
07	9	100	20			43	38	32	65	19	10
10	9	120	20			46	40	33	61	20	10
13	9	100	20			52	45	36	55	20	7
16	10	100	12			53	46	38	57	14	3
19	10	45	10		R	52	46	39	61	06	5
22	10	80	10			49	47	44	83	08	4
DAY 04											
01	7	80	12			48	45	41	77	25	3
04	6	80	10			45	43	40	83	03	7
07	10	70	10			46	43	41	86	09	3
10	9	75	10			50	46	41	71	06	4
13	5	UNL	15			58	48	35	41	10	4
16	5	UNL	20			58	46	31	35	21	8
19	9	250	20			52	43	31	45	13	7
22	10	250	20			49	43	36	61	36	6
DAY 05											
01	10	70	15			48	42	34	59	33	9
04	10	50	15			47	40	29	50	33	13
07	10	29	15			46	39	29	52	35	16
10	9	35	15			46	40	33	61	32	15
13	10	40	15			48	41	31	52	32	16
16	4	UNL	15			49	39	24	38	31	12
19	0	UNL	20			44	36	23	44	30	12
22	0	UNL	20			40	34	25	55	27	9
DAY 06											
01	0	UNL	20			37	33	27	67	20	7
04	0	UNL	20			35	32	27	73	22	8
07	1	UNL	15			34	31	26	73	21	6
10	3	UNL	20			47	40	29	50	20	10
13	3	UNL	20			54	44	32	43	23	12
16	3	UNL	20			55	43	28	36	18	13
19	0	UNL	20			47	39	28	48	19	9
22	0	UNL	15			43	37	29	58	21	7
DAY 07											
01	7	UNL	15			41	36	29	62	21	6
04	10	200	15			40	37	34	79	21	5
07	8	170	15			42	39	36	79	19	7
10	9	200	15			48	43	38	68	17	8
13	10	UNL	15			61	49	35	38	27	12
16	9	50	15			59	47	34	39	32	9
19	7	50	15			56	45	30	37	33	13
22	4	UNL	15			46	39	30	54	31	13
DAY 08											
01	0	UNL	20			40	33	21	47	33	11
04	0	UNL	20			36	31	21	55	28	7
07	0	UNL	20			35	30	22	59	29	10
10	10	250	20			39	33	24	55	32	17
13	9	45	20			42	33	15	33	31	19
16	4	UNL	20			40	31	15	36	31	17
19	3	UNL	20			35	28	14	42	31	13
22	0	UNL	20			31	26	14	49	30	12
DAY 09											
01	0	UNL	20			30	25	13	49	28	9
04	0	UNL	20			27	24	14	58	23	6
07	0	UNL	20			29	25	15	56	19	7
10	7	100	20			32	28	21	64	20	11
13	10	UNL	20			43	35	19	38	18	16
16	2	UNL	20			45	35	17	32	20	13
19	2	UNL	20			42	34	19	40	20	11
22	6	UNL	20			40	33	21	47	20	9
DAY 10											
01	6	UNL	20			37	32	23	57	20	6
04	1	UNL	20			36	32	26	67	22	4
07	8	40	20			41	35	25	53	00	0
10	4	UNL	15			51	44	35	54	32	13
13	6	45	20			60	46	27	28	27	14
16	3	UNL	20			59	45	26	28	30	7
19	0	UNL	20			51	41	26	38	33	10
22	2	UNL	20			44	38	29	56	34	4
DAY 11											
01	0	UNL	20			38	35	31	76	26	5
04	0	UNL	20			36	34	31	82	19	3
07	1	UNL	20			35	34	32	89	19	5
10	10	140	20			44	39	31	60	21	4
13	10	250	20			50	41	28	43	28	12
16	8	UNL	15			49	38	24	38	32	12
19	10	200	15			45	37	25	46	35	10
22	10	33	15			44	36	23	44	03	7
DAY 12											
01	10	25	12			41	36	28	60	34	7
04	10	12	2	8	S	35	35	34	96	05	6
07	10	6	4		S	35	34	33	92	03	8
10	10	10	2	8	S	35	34	33	92	36	7
13	9	80	15			38	36	32	79	32	6
16	3	UNL	15			43	36	26	51	32	10
19	1	UNL	15			39	34	25	57	30	8
22	0	UNL	12			37	33	25	62	29	11
DAY 13											
01	0	UNL	20			35	30	22	59	31	11
04	0	UNL	20			34	30	22	62	29	8
07	0	UNL	20			33	29	20	59	28	10
10	2	UNL	20			40	34	23	51	30	13
13	7	50	20			46	37	23	40	32	13
16	5	UNL	25			45	37	23	42	28	12
19	0	UNL	25			41	34	22	47	29	12
22	0	UNL	20			35	31	23	62	26	5
DAY 14											
01	0	UNL	20			32	29	23	69	21	7
04	0	UNL	20			30	27	22	72	23	5
07	0	UNL	20			27	26	22	81	20	5
10	2	UNL	20			43	36	24	47	27	12
13	4	UNL	20			50	39	21	32	21	7
16	9	UNL	20			47	38	23	38	22	8
19	10	110	20			44	37	25	47	21	9
22	10	80	20			42	36	25	51	20	7
DAY 15											
01	10	75	20			41	36	27	58	20	6
04	10	70	20			41	36	27	58	32	6
07	3	UNL	15			39	34	27	62	04	6
10	10	70	10		R	42	37	31	65	06	5
13	10	80	15		IP	45	37	25	46	04	4
16	10	75	12			45	38	29	54	15	3
19	3	UNL	9			42	38	32	68	18	5
22	0	UNL	8			39	35	30	70	02	3
DAY 16											
01	0	UNL	7			35	32	28	76	21	3
04	0	UNL	10			34	30	24	67	19	3
07	0	UNL	7			33	31	28	82	20	3
10	0	UNL	15			44	36	24	45	32	11
13	0	UNL	20			50	40	24	36	27	9
16	0	UNL	15			51	39	19	28	31	6
19	0	UNL	15			44	36	22	42	00	0
22	0	UNL	12			39	33	24	55	00	0
DAY 17											
01	0	UNL	7			33	30	26	75	18	6
04	0	UNL	8			31	29	24	75	23	4
07	8	UNL	6		H	28	27	25	89	25	3
10	7	UNL	7			39	36	32	76	18	6
13	9	100	10			48	41	31	52	18	6
16	7	250	12			48	40	30	50	19	10
19	2	UNL	12			43	38	31	63	19	7
22	4	UNL	12			43	38	32	65	19	9
DAY 18											
01	10	95	10			43	38	33	68	18	8
04	10	60	10			41	38	35	79	18	6
07	4	UNL	12			40	38	35	82	23	6
10	0	UNL	15			54	43	28	37	28	17
13	1	UNL	12			57	44	26	30	30	16
16	0	UNL	15			57	44	25	29	32	14
19	0	UNL	15			53	41	24	32	27	5
22	0	UNL	15			41	36	28	62	22	5
DAY 19											
01	0	UNL	15			39	35	30	70	23	5
04	0	UNL	15			39	35	30	70	20	6
07	1	UNL	15			40	37	33	76	20	7
10	1	UNL	15			55	46	36	49	17	7
13	1	UNL	20			71	55	40	33	24	12
16	0	UNL	20			74	54	35	24	31	14
19	5	UNL	20			65	48	27	24	31	13
22	5	UNL	20			55	42	21	27	34	14
DAY 20											
01	4	UNL	20			50	39	22	33	32	10
04	0	UNL	20			44	36	23	44	27	3
07	3	UNL	20			41	36	29	62	33	4
10	2	UNL	15			49	40	27	43	35	8
13	7	110	20			52	41	25	35	29	11
16	7	100	15			53	41	25	34	30	8
19	8	UNL	15			44	38	29	56	00	0
22	8	250	12			41	38	33	73	18	3
DAY 21											
01	7	UNL	12			40	35	27	60	34	5
04	3	UNL	12			34	32	29	82	20	4
07	3	UNL	12			32	30	27	82	21	5
10	8	250	12			42	39	34	73	17	7
13	8	50	15			51	42	31	46	17	10
16	7	UNL	15			49	42	32	52	19	10
19	10	30	10		RW	43	40	37	79	32	8
22	5	UNL	12			41	40	38	89	26	5
DAY 22											
01	2	UNL	10			39	36	32	76	30	6
04	3	UNL	15			37	34	28	70	29	9
07	2	UNL	20			34	30	22	62	27	10
10	1	UNL	20			39	32	18	43	29	17
13	4	UNL	20			43	35	19	38	30	16
16	3	UNL	20			42	34	18	38	29	14
19	2	UNL	20			39	32	18	43	30	14
22	3	UNL	20			34	29	18	52	22	6
DAY 23											
01	7	50	20			34	29	18	52	29	11
04	7	40	20			35	29	17	48	28	11
07	0	UNL	20			33	28	15	48	28	10
10	0	UNL	15			39	32	17	41	26	13
13	5	UNL	15			40	31	14	35	29	15
16	2	UNL	15			40	31	15	36	26	10
19	0	UNL	15			37	30	16	42	29	8
22	0	UNL	15			34	29	18	52	25	4
DAY 24											
01	0	UNL	12			29	26	20	69	22	6
04	0	UNL	12			28	25	19	69	26	4
07	7	250	12			28	25	19	69	21	7
10	1	UNL	15			38	33	23	55	21	6
13	10	100	20			43	35	20	40	20	9
16	10	90	20			40	35	28	62	23	9
19	10	100	20			40	35	28	62	16	4
22	10	100	20			38	36	32	76	19	3
DAY 25											
01	10	50	15			39	35	28	65	33	5
04	3	UNL	15			37	33	26	65	34	4
07	7	75	12			35	32	28	75	21	4
10	9	75	15			41	36	29	62	19	6
13	9	75	15			48	42	34	59	17	7
16	9	250	15			49	43	36	61	19	6
19	0	UNL	15			46	40	33	61	00	0
22	0	UNL	15			42	39	36	79	19	6
DAY 26											
01	0	UNL	15			43	39	34	71	20	7
04	8	UNL	12			40	38	35	82	19	6
07	10	UNL	12			44	41	37	76	19	10
10	10	UNL	15			54	47	40	58	20	14
13	6	250	15			61	52	44	54	19	12
16	10	100	15			62	52	42	48	20	16
19	9	100	15			59	50	41	51	20	13
22	10	90	15			56	50	45	67	20	11
DAY 27											
01	10	60	8		R	56	52	49	78	21	10
04	10	20	7			51	51	50	96	19	10
07	10	5	1		RF	51	51	51	100	18	10
10	10	7	8			56	55	55	96	21	13
13	0	UNL	15			60	58	56	87	17	10
16	0	UNL	15			65	59	55	70	20	11
19	0	UNL	10			55	52	50	83	18	7
22	3	UNL	10			53	52	51	93	20	7
DAY 28											
01	10	120	10			53	52	52	96	19	6
04	10	120	6		F	50	50	50	100	19	6
07	10	110	3		F	49	49	49	100	19	6
10	10	5	3		F	55	55	55	100	16	6
13	10	4	1	8	F	58	58	58	100	19	8
16	10	3	0	4	LF	59	59	59	100	17	3
19	10	2	0	4	LF	58	58	58	100	15	3
22	10	2	0	4	RLF	56	56	56	100	02	6
DAY 29											
01	10	7	4		RF	48	48	48	100	33	12
04	10	10	8		R	44	44	43	96	32	11
07	10	40	9		R	42	41	39	89	33	14
10	10	18	7		RSIP	37	36	34	89	32	15
13	10	50	6		S	35	33	31	85	32	14
16	8	100	12			37	33	26	65	33	10
19	4	UNL	20			32	28	18	56	32	17
22	0	UNL	20			26	22	10	51	31	13
DAY 30											
01	0	UNL	20			23	18	08	52	32	12
04	0	UNL	20			20	17	05	52	31	10
07	0	UNL	20			18	15	04	54	31	9
10	1	UNL	25			23	18	06	48	31	10
13	1	UNL	25			29	24	08	41	32	10
16	0	UNL	25			31	25	06	35	32	12
19	0	UNL	20			27	22	07	43	33	11
22	0	UNL	20			25	21	07	46	32	9

NOTES

CEILING

UNL INDICATES UNLIMITED

WEATHER

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SP SNOW PELLETS
- IC ICE CRYSTALS
- SW SNOW SHOWERS
- SG SNOW GRAINS
- IP ICE PELLETS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

WIND

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

STATION: WASHINGTON D C NATL AP

YEAR & MONTH: 76 11

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