

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
LATITUDE											MONTH				YEAR			
44 DEGREES 16 MINUTES NORTH						LONGITUDE					FEBRUARY				2016			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H)				STANDARD TIME			
											6280 FT				EASTERN			
TEMPERATURE (°F)						DEGREE DAYS			PRECIPITATION (IN.)			WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER	WEATHER
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	(TENTHS)	OCCUR.	
1	34	10	22	5	17	43	0	0.00	0.0	13	72.2	125	240 (SW)	377	62	5	126	
2	17	8	13	5	8	52	0	0.00	0.0	13	41.3	72	280 (W)	0	0	10	126	
3	37	13	25	5	20	40	0	0.43	2.0	13	53.6	97	200 (S)	0	0	10	12469	
4	36	15	26	5	21	39	0	0.16	0.0	6	47.3	90	250 (W)	25	4	10	126	
5	20	-3	9	5	4	56	0	0.19	1.9	6	35.3	97	300 (NW)	0	0	10	1269	
6	10	-3	4	5	-1	61	0	0.01	0.5	7	53.2	79	250 (W)	0	0	10	1269	
7	20	8	14	5	9	51	0	0.08	0.8	8	39.1	90	260 (W)	145	24	9	126	
8	21	-1	10	5	5	55	0	0.08	3.2	8	29.5	66	080 (E)	0	0	10	126	
9	15	4	10	5	5	55	0	0.06	1.3	11	15.9	44	260 (W)	551	88	8	1269	
10	12	-1	6	5	1	59	0	0.19	3.3	10	32.8	51	260 (W)	0	0	10	1269	
11	0	-28	-14	6	-20	79	0	0.06	1.0	12	35.2	74	290 (W)	0	0	10	1269	
12	-8	-28	-18	6	-24	83	0	0.00	0.0	11	45.6	88	280 (W)	185	29	8	1269	
13	-7	-40	-23	6	-29	88	0	0.03	0.4	11	30.3	51	260 (W)	55	9	10	1269	
14	-8	-32	-20	6	-26	85	0	0.00	0.0	11	47.7	81	290 (W)	583	92	3	129	
15	15	-9	3	6	-3	62	0	0.48	3.6	11	38.3	88	210 (SW)	426	66	6	1269	
16	33	15	24	6	18	41	0	1.86	5.1	14	59.1	109	140 (SE)	0	0	10	12469	
17	16	5	11	6	5	54	0	0.01	0.3	11	40.3	83	260 (W)	535	83	8	1269	
18	9	-7	1	7	-6	64	0	0.03	0.3	11	30.6	52	260 (W)	650	100	1	126	
19	18	8	13	7	6	52	0	0.12	3.1	11	26.5	87	190 (S)	526	81	5	1269	
20	24	8	16	7	9	49	0	0.39	3.8	10	59.1	108	250 (W)	0	0	10	1269	
21	23	2	13	7	6	52	0	0.13	0.9	12	59.4	86	270 (W)	0	0	10	1269	
22	6	-2	2	7	-5	63	0	0.00	0.0	12	34.6	65	270 (W)	660	100	3	126	
23	19	2	11	7	4	54	0	T	0.2	12	25.8	43	250 (W)	209	31	9	126	
24	42	17	30	8	22	35	0	1.12	0.9	12	49.0	104	160 (S)	0	0	10	1246	
25	42	8	25	8	17	40	0	1.22	2.3	6	47.3	115	150 (SE)	0	0	10	12345*69	
26	9	-13	-2	8	-10	67	0	0.04	0.5	7	61.9	95	270 (W)	5	1	10	1269	
27	12	-7	3	8	-5	62	0	0.00	0.0	7	46.9	92	260 (W)	675	100	5	126	
28	30	11	21	8	13	44	0	0.00	0.0	6	60.8	94	260 (W)	163	24	10	1269	
29	30	11	21	9	12	44	0	0.56	3.8	6.0	61.4	105	250 (W)	107	16	9	1269	
SUM	527	-29	----	----	----	1629	0	7.25	39.2	----	1280.0	----	----	5877	----	239	----	
AVG	18	-1	----	----	----	----	----	----	----	----	44.1	FASTEST	DIR	POSS	%	8.2	----	
											MISC. ->	125	240 (SW)	17905	33%		----	

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16			
AVERAGE MONTHLY	8.6	TOTAL FOR THE MONTH	7.25	NUMBER OF DAYS:	1 = FOG	
DEPARTURE FROM NORMAL	2.5	DEPARTURE FROM NORMAL	0.48	CLEAR (SCALE 0-3)	3	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
HIGHEST	42 on 24th/25th	24 HOUR MAX	1.91 on 15th/16th	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER
LOWEST	-40 on 13th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	39.2	WITH .01" OR MORE PRECIP	21	5 = HAIL
MAX. 32 OR BELOW	23	24 HOUR MAX	8.6 on 15th/16th	WITH .10" OR MORE PRECIP	12	6 = GLAZE OR RIME
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	14 on 16th/3rd	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND
MIN. 32 OR BELOW	29	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE
MIN. 0 OR BELOW	13	HIGHEST SEA-LEVEL	30.551 on 19th			9 = BLOWING SNOW
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.043 on 25th			X = TORNADO
TOTAL THIS MONTH	1629	AVG STATION	23.471			
DEPARTURE FROM NORMAL	-19					
SEASON TOTAL	8373					
DEPARTURE FROM NORMAL	-973					

COOLING DEGREE DAYS (BASE 65F)	NOTES:
TOTAL THIS MONTH	* *5" REPRESENTS SMALL HAIL.
DEPARTURE FROM NORMAL	3RD: DAILY PRECIPITATION AND SNOWFALL ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW AT ONE COLLECTION AND MELTING PRIOR TO CAN COLLECTION AT ANOTHER.
SEASON TOTAL	4TH: DAILY RECORD HIGH OF 36°F TIED; ORIGINAL RECORD SET IN 1982.
DEPARTURE FROM NORMAL	5TH, 6TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW.
	12TH: ONE HOUR OF WIND SPEEDS ESTIMATED DUE TO SETRA DATABASE MALFUNCTION
	13TH: NEW DAILY RECORD LOW OF -40F; PREVIOUS RECORD OF -36F SET IN 1954.
	14TH: TWO HOURS OF WIND SPEEDS ESTIMATED DUE TO ICE CLOG IN TP LINE OF PITOT.
	15TH, 16TH: DAILY PRECIPITATION AND SNOWFALL ESTIMATED DUE TO UNREALISTICALLY SMALL AMOUNT OF SNOW IN CAN DUE TO HIGH WINDS
	24TH: NEW DAILY RECORD HIGH OF 42F; PREVIOUS RECORD OF 38F SET IN 1985
	24TH, 25TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO HIGH WINDS KNOCKING OBSERVER DOWN W/ PRECIP CAN.
	25TH: NEW DAILY RECORD OF 42F; PREVIOUS RECORD OF 36F SET IN 1956 AND EQUALED IN 1984
	29TH: DAILY PRECIPITATION & SNOWFALL PARTIALLY ESTIMATED FROM 0651EST CAN COLLECTION ON 3/1; CAN NOT COLLECTED AT 0051 OBSERVATION DUE TO LIGHTNING AT STATION
	AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR
	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
	THERE WERE 407 HOURS OF PREVAILING WINDS FROM THE W, 58% OF THE TOTAL HOURS OF THE MONTH.