

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH FEBRUARY				YEAR 2017				
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT				STANDARD TIME EASTERN				
TEMPERATURE (°F)						PRECIPITATION (IN.)			WIND (MPH)				SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.			
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE SPEED DIR		TOTAL	% POSS				
1	9	3	6	5	1	59	0	0.14	2.4	13	49.3	89	280 (W)	0	0	10	1269		
2	5	-7	-1	5	-6	66	0	0.12	1.4	14	57.0	87	270 (W)	55	9	9	1269		
3	0	-7	-3	5	-8	68	0	0.02	0.6	14	55.7	87	290 (W)	0	0	10	1269		
4	-1	-11	-6	5	-11	71	0	0.01	0.3	14	67.6	91	290 (W)	0	0	10	1269		
5	9	-4	3	5	-2	62	0	0.10	1.3	14	57.3	96	270 (W)	120	20	10	1269		
6	5	-11	-3	5	-8	68	0	0.06	1.4	15	63.5	99	280 (W)	70	11	9	1269		
7	23	0	12	5	7	53	0	0.40	7.6	16	38.5	73	170 (S)	0	0	10	12469		
8	32	6	19	5	14	46	0	0.18	1.1	19	66.2	115	260 (W)	0	0	10	12469		
9	13	-21	-4	5	-9	69	0	0.15	1.9	19	38.3	106	320 (NW)	0	0	10	1269		
10	-1	-22	-11	5	-16	76	0	T	T	18	70.3	120	290 (W)	88	14	9	1269		
11	12	-4	4	6	-2	61	0	0.13	4.3	18	28.2	60	210 (SW)	0	0	10	1269		
12	14	2	8	6	2	57	0	0.88	11.6	20	29.1	67	110 (E)	0	0	10	1269		
13	12	-3	5	6	-1	60	0	1.08	12.2	27	41.1	92	330 (NW)	0	0	10	1269		
14	14	-1	7	6	1	58	0	T	0.1	29	29.3	57	320 (NW)	489	77	5	126		
15	17	10	14	6	8	51	0	0.92	11.7	29	30.3	55	170 (S)	0	0	10	1269		
16	12	-2	5	6	-1	60	0	0.59	10.4	38	44.4	92	290 (W)	0	0	10	1269		
17	11	-4	4	6	-2	61	0	0.08	1.4	31	60.7	95	310 (NW)	550	85	5	1269		
18	33	8	21	7	14	44	0	0.00	0.0	29	55.7	94	270 (W)	339	52	8	126		
19	26	11	19	7	12	46	0	0.04	0.9	28	71.8	106	280 (W)	0	0	10	1269		
20	17	5	11	7	4	54	0	0.00	0.0	28	42.5	78	320 (NW)	277	42	6	126		
21	36	17	27	7	20	38	0	0.00	0.0	28	25.0	68	280 (W)	394	60	6			
22	38	25	32	7	25	33	0	T	0.0	28	30.9	58	280 (W)	576	87	8	126		
23	38	31	35	7	28	30	0	0.00	0.0	27	55.1	95	270 (W)	135	20	9	12		
24	41	28	35	8	27	30	0	0.10	0.0	15	50.9	84	250 (W)	45	7	10	126		
25	40	17	29	8	21	36	0	0.61	1.2	11	46.1	90	170 (S)	0	0	10	1246		
26	18	0	9	8	1	56	0	0.13	1.4	10	65.0	111	280 (W)	0	0	10	1269		
27	17	1	9	8	1	56	0	0.02	0.3	10	63.5	94	260 (W)	0	0	10	126		
28	30	14	22	8	14	43	0	0.02	0.3	10	32.9	77	270 (W)	250	37	9	1269		
SUM	520	81	----	----	----	1512	0	5.78	73.8	----	1366.2	----	----	3388	----	253	----		
AVG	18.6	2.9	----	----	----	----	----	----	----	----	48.8	FASTEST	DIR	POSS	19%	9.0	----		
											MISC. ->	120	290 (W)	17905					

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	10.7	TOTAL FOR THE MONTH	5.78	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.6	DEPARTURE FROM NORMAL	-0.99			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	41 on 24th	24 HOUR MAX	1.69 on 12th/13th	CLEAR (SCALE 0-3)	0	3 = THUNDER	
LOWEST	-22 on 10th			PARTLY CLOUDY (SCALE 4-7)	4	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	5 = HAIL	
MAX. 32 OR BELOW	22	TOTAL FOR THE MONTH	73.8	WITH .01" OR MORE PRECIP	21	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	20.3 on 12th/13th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	28	MAX DEPTH ON GROUND	38 on 16th	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	14			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
		<u>PRESSURE DATA (IN.)</u>				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.474 on 28th			X = TORNADO	
		LOWEST SEA-LEVEL	29.223 on 16th				
TOTAL THIS MONTH	1512	AVG STATION	23.435				
DEPARTURE FROM NORMAL	-136						
SEASON TOTAL	8547						
DEPARTURE FROM NORMAL	-799						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						
NOTES:							
9TH: PRECIPITATION AND SNOWFALL OBSERVER ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT OF SNOW IN CAN AT ONE COLLECTION FROM BLOWING SNOW							
10TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.							
11TH: SNOWFALL AND PRECIPITATION OBSERVER ESTIMATED DUE TO UNREALISTICALLY LOW AMOUNT IN CAN AT ONE COLLECTION							
23RD: DAILY RECORD HIGH OF 38°F EQUALED; RECORD ORIGINALLY SET IN 1990 AND EQUALED IN 2003							
GREATEST SNOW DEPTH OF 38 INCHES OCCURRED AT 12Z AND 18Z ON THE 16TH							
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.			
0600	1200	1800	0000	MONTH			
93	90	86	90	90			
				THERE WERE 360 HOURS OF PREVAILING WINDS FROM THE W, 54% OF THE TOTAL HOURS OF THE MONTH.			