

WS FORM F-6											STATION								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY								
											MONTH				YEAR				
											JANUARY				2017				
LATITUDE						LONGITUDE					GROUND ELEVATION (H)				STANDARD TIME				
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6,280 FT				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		TOTAL	% POSS				
												SPEED	DIR						
1	16	4	10	6	4	55	0	0.21	2.3	13	61.8	101	270 (W)	0	0	10	1269		
2	22	8	15	6	9	50	0	0.00	0.0	12	30.4	59	300 (NW)	473	86	6	1269		
3	23	12	18	6	12	47	0	0.83	7.7	12	37.1	82	110 (E)	0	0	10	12469		
4	28	-1	14	5	9	51	0	0.40	2.5	15	49.6	88	270 (W)	0	0	10	12469		
5	-1	-6	-3	5	-8	68	0	0.02	0.4	15	63.0	101	270 (W)	0	0	10	1269		
6	1	-8	-3	5	-8	68	0	0.02	0.6	15	36.4	65	270 (W)	8	1	10	1269		
7	1	-10	-4	5	-9	69	0	T	0.4	15	19.0	43	280 (W)	150	27	9	126		
8	-7	-21	-14	5	-19	79	0	0.00	0.0	15	41.7	79	290 (W)	371	67	5	126		
9	2	-23	-10	5	-15	75	0	0.00	0.0	15	45.6	78	290 (W)	246	44	6	126		
10	19	-2	9	5	4	56	0	0.22	2.8	15	50.0	106	170 (S)	16	3	10	1269		
11	30	18	24	5	19	41	0	0.28	1.7	15	59.1	111	230 (SW)	415	74	5	1269		
12	36	25	31	5	26	34	0	0.67	0.3	14	58.6	102	260 (W)	0	0	10	1269		
13	30	-15	8	5	3	57	0	0.11	0.9	9	68.5	108	290 (W)	30	5	9	126		
14	3	-12	-4	5	-9	69	0	0.00	0.0	9	51.1	82	280 (W)	388	69	5	126		
15	4	-4	0	5	-5	65	0	0.07	1.0	9	61.2	103	290 (W)	218	39	8	1269		
16	15	2	9	5	4	56	0	0.00	0.0	9	49.1	80	280 (W)	568	100	3			
17	29	10	20	4	16	45	0	0.11	1.2	9	31.5	73	310 (NW)	409	72	9	126		
18	18	9	14	4	10	51	0	0.31	3.4	9	22.4	45	240 (SW)	0	0	10	126		
19	26	15	21	4	17	44	0	0.04	0.5	9	45.4	71	300 (NW)	113	20	8	1269		
20	35	25	30	4	26	35	0	0.00	0.0	9	22.0	37	320 (NW)	561	98	3			
21	35	24	30	4	26	35	0	0.00	0.0	9	38.0	64	300 (NW)	40	7	9	1269		
22	31	24	28	4	24	37	0	0.00	0.0	8	34.3	85	330 (NW)	25	4	10	126		
23	28	11	20	4	16	45	0	0.00	0.0	8	38.3	81	100 (E)	323	56	8			
24	27	14	21	4	17	44	0	1.47	5.0	8	49.8	116	090 (E)	0	0	10	12469		
25	28	10	19	4	15	46	0	T	T	9	41.8	85	280 (W)	50	9	9	1269		
26	24	8	16	4	12	49	0	0.37	4.0	9	62.9	106	280 (W)	0	0	10	1269		
27	11	3	7	5	2	58	0	0.48	5.1	11	87.7	127	270 (W)	0	0	10	1269		
28	9	2	6	5	1	59	0	0.12	1.3	12	73.7	127	270 (W)	0	0	10	1269		
29	9	1	5	5	0	60	0	0.19	2.8	12	38.7	58	260 (W)	0	0	10	1269		
30	7	-13	-3	5	-8	68	0	0.04	0.9	13	28.8	47	280 (W)	0	0	10	1269		
31	4	-14	-5	5	-10	70	0	T	T	13	27.5	54	310 (NW)	536	89	4	126		
SUM	543	96	----	----	----	1686	0	5.96	44.8	----	1425.0	----	----	4940	----	256	----		
AVG	17.5	3.1	----	----	----	----	----	----	----	----	46.0	FASTEST	DIR	POSS					
												127	270 (W)	17658	28%	8.3	----		
												MISC. ->							

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	10.3	TOTAL FOR THE MONTH	5.96	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.6	DEPARTURE FROM NORMAL	-0.48			2 = FOG REDUCING VISIBILITY	
HIGHEST	36 on 12th	24 HOUR MAX	1.47 on 24th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-23 on 9th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	6	3 = THUNDER	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	44.8	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	28	24 HOUR MAX	8.0 on 3rd/4th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	15 on 4th, 5th, 8th	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	12	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
		HIGHEST SEA-LEVEL	30.653 on 2nd			X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.157 on 26th				
TOTAL THIS MONTH	1686	AVG STATION	23.487				
DEPARTURE FROM NORMAL	-182						
SEASON TOTAL	7035						
DEPARTURE FROM NORMAL	-663						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:					
1ST: PRECIPITATION AND SNOWFALL OBSERVER ESTIMATED DUE TO SNOW BEING COMPACTED BY HIGH WINDS					
3RD, 24TH, 26TH, 27TH, 28TH: PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO HIGH WINDS AT ONE COLLECTION					
12TH: SNOWFALL OBSERVER ESTIMATED DUE TO MELTING PRIOR TO ONE CAN COLLECTION					
27TH: PRECIPITATION & SNOWFALL PARTIALLY DEDUCED FROM COLLECTION ON FOLLOWING DAY DUE TO INABILITY TO COLLECT					
PRECIPITATION CAN AT ONE COLLECTION TIME (HIGH WINDS).					
30TH: PRECIPITATION AND SNOWFALL OBSERVER ESTIMATED DUE TO EXCESSIVE RIME IN CAN AT ONE COLLECTION					
FASTEST 2-MINUTE SPEED FOR THE MONTH IS THE LAST OF SEVERAL OCCURRENCES.					
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
0600	1200	1800	0000	MONTH	
82	82	85	84	83	

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.	
THERE WERE 427 HOURS OF PREVAILING WINDS FROM THE W, 57% OF THE TOTAL HOURS OF THE MONTH.	