

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH APRIL					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 SPEED	DIR	TOTAL	% POSS				
1	23	12	18	18	0	47	0	0.48	6.0	11	22.2	45	100 (E)	0	0	10	1269		
2	22	12	17	19	-2	48	0	0.03	0.3	11	46.1	81	300 (NW)	225	29	9	12469		
3	28	13	21	19	2	44	0	0.00	0.0	9	33.9	78	320 (NW)	768	98	6	1269		
4	29	15	22	19	3	43	0	1.36	10.2	10	41.9	73	140 (SE)	0	0	10	1269		
5	36	25	31	20	11	34	0	0.07	0.4	13	22.7	44	310 (NW)	83	11	9	1246		
6	36	26	31	20	11	34	0	0.70	0.0	13	37.2	76	150 (SE)	45	6	10	126		
7	32	14	23	21	2	42	0	0.47	4.4	12	33.5	70	300 (NW)	0	0	10	12469		
8	14	11	13	21	-8	52	0	0.69	6.6	14	65.9	110	290 (W)	0	0	10	1269		
9	37	14	26	21	5	39	0	0.00	0.0	16	50.3	96	300 (NW)	729	91	4	1269		
10	48	37	43	22	21	22	0	0.00	0.0	15	48.2	74	270 (W)	740	92	6			
11	51	40	46	22	24	19	0	0.15	0.0	6	35.5	70	270 (W)	390	48	9	12		
12	41	20	31	23	8	34	0	0.14	0.0	3	41.9	68	270 (W)	0	0	10	126		
13	22	15	19	23	-4	46	0	0.06	0.6	2	53.7	76	290 (W)	0	0	10	126		
14	26	17	22	23	-1	43	0	0.00	0.0	2	29.6	55	320 (NW)	817	100	3			
15	40	22	31	24	7	34	0	0.17	0.0	2	35.3	77	260 (W)	545	67	6	12		
16	49	39	44	24	20	21	0	0.54	0.0	1	61.8	97	270 (W)	22	3	10	12		
17	40	14	27	25	2	38	0	0.11	0.0	0	56.5	89	280 (W)	0	0	10	126		
18	24	12	18	25	-7	47	0	T	0.1	T	15.0	50	310 (NW)	439	53	8	126		
19	31	15	23	25	-2	42	0	0.28	0.8	0	30.7	71	250 (W)	106	13	10	1246		
20	34	25	30	26	4	35	0	0.00	0.0	1	21.0	61	280 (W)	0	0	10	126		
21	32	25	29	26	3	36	0	0.27	1.4	1	31.2	62	170 (S)	0	0	10	1246		
22	32	22	27	27	0	38	0	0.34	2.0	1	27.3	51	320 (NW)	0	0	10	1246		
23	34	20	27	27	0	38	0	0.05	0.5	3	38.7	67	270 (W)	843	100	1	126		
24	36	26	31	27	4	34	0	0.00	0.0	2	33.5	70	290 (W)	793	94	5			
25	42	27	35	28	7	30	0	0.27	0.6	T	37.7	79	140 (SE)	45	5	10	1246		
26	47	40	44	28	16	21	0	0.59	0.0	T	41.3	81	150 (SE)	10	1	10	12		
27	51	42	47	29	18	18	0	0.00	0.0	0	18.3	45	210 (SW)	800	94	3	12		
28	51	40	46	29	17	19	0	0.07	0.0	0	37.6	69	280 (W)	276	32	9	12		
29	44	17	31	29	2	34	0	0.00	0.0	0	59.8	98	300 (NW)	155	18	10	126		
30	43	16	30	30	0	35	0	0.02	T	0	30.0	75	310 (NW)	258	30	9	1246		
SUM	1075	673	---	---	---	1067	0	6.86	33.9	---	1138.3	---	---	8089	---	247	---		
AVG	35.8	22.4	---	---	---	---	---	---	---	---	37.9	FASTEST MISC. ->	DIR 290 (W)	POSS 24607	33%	8.2	---		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	29.1	TOTAL FOR THE MONTH	6.86	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.2	DEPARTURE FROM NORMAL	-0.58			2 = FOG REDUCING VISIBILITY	
HIGHEST	51 on 11th, 27th, 28th	24 HOUR MAX	1.36 on 4th	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	11 on 8th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	33.9	WITH .01" OR MORE PRECIP	21	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	12	24 HOUR MAX	10.2 on 4th	WITH .10" OR MORE PRECIP	15	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	16 on 9th	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	24			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.553 on 19th				
		LOWEST SEA-LEVEL	29.200 on 7th				
TOTAL THIS MONTH	1067	AVG STATION	23.746				
DEPARTURE FROM NORMAL	-166						
SEASON TOTAL	11373						
DEPARTURE FROM NORMAL	-823						

NOTES:

5TH, 30TH: SNOWFALL ESTIMATED DUE TO MELTING PRIOR TO ONE CAN COLLECTION

8TH: PRECIPITATION AND SNOWFALL ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW AT TWO COLLECTIONS

12TH: WIND SPEED CONTAINS 1 HOUR OF WIND FROM AN ALTERNATE DATABASE DUE TO ICING ON PRIMARY INSTRUMENT

13TH: PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE RIME FALLING INTO CAN AT ONE COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
89	89	90	91	90

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE 294 HOURS OF PREVAILING WINDS FROM THE W

%41 OF THE TOTAL HOURS OF THE MONTH.