

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH AUGUST					YEAR 2017				
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 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		TOTAL	% POSS				
												SPEED	DIR						
1	58	47	53	49	4	12	0	T	0.0	0	15.8	51	320 (NW)	890	100	3	12		
2	59	49	54	49	5	11	0	0.01	0.0	0	13.3	31	220 (SW)	283	32	8	123		
3	60	50	55	49	6	10	0	0.02	0.0	0	8.2	19	290 (W)	330	37	8	123		
4	56	49	53	49	4	12	0	0.21	0.0	0	23.1	51	160 (S)	62	7	9	123		
5	53	41	47	49	-2	18	0	1.25	0.0	0	36.3	72	260 (W)	0	0	10	123		
6	43	34	39	49	-10	26	0	0.22	0.0	0	59.8	92	290 (W)	0	0	10	12		
7	48	39	44	49	-5	21	0	0.53	0.0	0	30.0	60	290 (W)	0	0	10	12		
8	46	40	43	49	-6	22	0	0.11	0.0	0	23.0	59	300 (NW)	0	0	10	12		
9	50	40	45	49	-4	20	0	0.03	0.0	0	39.0	55	290 (W)	15	2	10	12		
10	57	46	52	49	3	13	0	0.00	0.0	0	26.3	55	290 (W)	220	25	9	12		
11	56	46	51	49	2	14	0	0.21	0.0	0	18.1	37	180 (S)	175	20	10	123		
12	55	44	50	49	1	15	0	0.04	0.0	0	24.2	49	260 (W)	185	21	9	123		
13	50	42	46	49	-3	19	0	0.18	0.0	0	41.3	67	290 (W)	45	5	10	12		
14	56	42	49	49	0	16	0	0.00	0.0	0	16.0	42	310 (NW)	685	80	8	12		
15	54	43	49	48	1	16	0	0.50	0.0	0	23.6	50	270 (W)	130	15	9	123		
16	48	36	42	48	-6	23	0	0.11	0.0	0	44.4	69	300 (NW)	235	28	8	12		
17	48	36	42	48	-6	23	0	0.00	0.0	0	40.3	76	310 (NW)	10	1	10	12		
18	56	44	50	48	2	15	0	0.71	0.0	0	23.5	47	180 (S)	0	0	10	12		
19	58	48	53	48	5	12	0	0.20	0.0	0	22.0	52	280 (W)	155	18	9	12		
20	49	44	47	48	-1	18	0	0.09	0.0	0	47.9	76	300 (NW)	0	0	10	12		
21	53	47	50	48	2	15	0	0.00	0.0	0	39.4	65	300 (NW)	72	9	9	12		
22	60	50	55	48	7	10	0	1.39	0.0	0	29.5	82	240 (SW)	385	46	9	123		
23	53	40	47	48	-1	18	0	0.00	0.0	0	47.8	80	280 (W)	115	14	10	12		
24	44	35	40	48	-8	25	0	0.00	0.0	0	27.5	50	280 (W)	10	1	10	12		
25	39	34	37	47	-10	28	0	0.00	0.0	0	31.8	59	310 (NW)	66	8	9	12		
26	43	33	38	47	-9	27	0	0.00	0.0	0	22.1	56	300 (NW)	381	46	8	12		
27	45	34	40	47	-7	25	0	0.00	0.0	0	6.3	20	070 (E)	372	45	6			
28	49	37	43	47	-4	22	0	0.00	0.0	0	7.9	24	080 (E)	678	83	5			
29	44	39	42	47	-5	23	0	0.00	0.0	0	16.4	34	110 (E)	335	41	9			
30	49	38	44	47	-3	21	0	0.00	0.0	0	14.0	40	300 (NW)	456	56	6	12		
31	42	27	35	46	-11	30	0	0.13	T	0	42.8	74	280 (W)	0	0	10	126		
SUM	1581	1274	----	----	----	580	0	5.94	T	----	861.6	----	----	6290	----	271	----		
AVG	51.0	41.1	----	----	----	----	----	----	----	----	27.8	FASTEST	DIR	POSS	%	SKY	----		
											MISC.-->	92	290 (W)	26399	24%	8.7	----		

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY DEPARTURE FROM NORMAL	TOTAL FOR THE MONTH	NUMBER OF DAYS:	1 = FOG
HIGHEST	24 HOUR MAX	CLEAR (SCALE 0-3)	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
LOWEST	SNOWFALL, ICE PELLETS (IN.)	PARTLY CLOUDY (SCALE 4-7)	3 = THUNDER
NUMBER OF DAYS WITH:	TOTAL FOR THE MONTH	CLOUDY (SCALE 8-10)	4 = ICE PELLETS
MAX. 32 OR BELOW	24 HOUR MAX	WITH .01" OR MORE PRECIP	5 = HAIL
MAX. 90 OR ABOVE	MAX DEPTH ON GROUND	WITH .10" OR MORE PRECIP	6 = GLAZE OR RIME
MIN. 32 OR BELOW	PRESSURE DATA (IN.)	WITH .50" OR MORE PRECIP	7 = BLOWING DUST OR SAND
MIN. 0 OR BELOW	HIGHEST SEA-LEVEL	WITH 1.0" OR MORE PRECIP	8 = SMOKE OR HAZE
HEATING DEGREE DAYS (BASE 65°F)	LOWEST SEA-LEVEL		9 = BLOWING SNOW
TOTAL THIS MONTH	AVG STATION		X = TORNADO
DEPARTURE FROM NORMAL			
SEASON TOTAL			
DEPARTURE FROM NORMAL			
COOLING DEGREE DAYS (BASE 65F)			
TOTAL THIS MONTH			
DEPARTURE FROM NORMAL			
SEASON TOTAL			
DEPARTURE FROM NORMAL			

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 299 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
90	92	92	89	91	