

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
LATITUDE											MONTH		YEAR					
44 DEGREES 16 MINUTES NORTH						LONGITUDE					JULY		2011					
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 (TENTHS)	WEATHER OCCUR.
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	47	41	44	48	-4	21	0	0.02	0.0	0	20.6	51	NW	46	5	10	12	
2	59	43	51	48	3	14	0	0.00	0.0	0	13.3	33	W	547	58	9	12	
3	55	48	52	48	4	13	0	0.31	0.0	0	20.3	43	W	10	1	10	12	
4	58	49	54	48	6	11	0	0.00	0.0	0	28.9	51	W	503	54	8	12	
5	58	47	53	48	5	12	0	0.00	0.0	0	23.1	45	W	615	66	8	12	
6	60	47	54	48	6	11	0	0.34	0.0	0	34.6	82	W	370	40	9	123	
7	50	42	46	48	-2	19	0	0.32	0.0	0	36.2	65	W	460	49	10	12	
8	54	44	49	48	1	16	0	0.00	0.0	0	20.4	36	SW	95	10	10	12	
9	51	42	47	48	-1	18	0	0.37	0.0	0	38.6	66	NW	60	6	10	12	
10	59	41	50	49	1	15	0	0.00	0.0	0	20.3	38	W	850	91	6	12	
11	61	49	55	49	6	10	0	0.05	0.0	0	36.5	69	W	220	24	9	12	
12	57	47	52	49	3	13	0	0.57	0.0	0	39.0	68	NW	0	0	10	12	
13	51	39	45	49	-4	20	0	0.02	0.0	0	31.5	61	W	45	5	10	12	
14	48	37	43	49	-6	22	0	0.01	0.0	0	26.5	45	N	545	59	6	12	
15	54	42	48	49	-1	17	0	0.00	0.0	0	17.9	35	N	709	77	5		
16	61	46	54	49	5	11	0	0.00	0.0	0	18.6	39	W	867	94	5		
17	59	49	54	49	5	11	0	T	0.0	0	43.2	76	W	495	54	6	12	
18	56	49	53	49	4	12	0	0.38	0.0	0	42.8	73	W	0	0	10	123	
19	53	48	51	49	2	14	0	0.00	0.0	0	30.3	56	N	585	64	8	12	
20	61	48	55	49	6	10	0	0.00	0.0	0	38.4	60	W	495	54	6	128	
21	65	54	60	49	11	5	0	0.00	0.0	0	55.6	88	W	235	26	10	12	
22	65	55	60	49	11	5	0	0.00	0.0	0	48.3	82	W	340	37	9	12	
23	63	50	57	49	8	8	0	0.05	0.0	0	39.5	75	W	211	23	9	12	
24	55	43	49	49	0	16	0	T	0.0	0	24.5	67	NW	655	72	6	12	
25	48	40	44	49	-5	21	0	0.47	0.0	0	16.8	47	SW	145	16	10	123	
26	53	42	48	49	-1	17	0	0.39	0.0	0	29.3	52	SW	0	0	10	12	
27	51	43	47	49	-2	18	0	0.18	0.0	0	33.8	60	NW	0	0	10	12	
28	61	44	53	49	4	12	0	0.00	0.0	0	9.8	25	N	870	97	4	12	
29	57	50	54	49	5	11	0	0.10	0.0	0	19.6	37	SW	5	1	10	12	
30	55	45	50	49	1	15	0	0.05	0.0	0	38.1	71	NW	0	0	10	12	
31	59	45	52	49	3	13	0	0.00	0.0	0	13.6	43	NW	892	100	4	12	
SUM	1744	1409	----	----	----	431	0	3.63	0.0	----	909.9	----	----	10870	----	257	----	
AVG	56.3	45.5	----	----	----	----	----	----	----	----	29.4	FASTEST	DIR	POSS			----	
											MISC. ->	88	W	28530	38%	8.3	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	50.9	TOTAL FOR THE MONTH	3.63	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.2	DEPARTURE FROM NORMAL	-4.39			2 = FOG REDUCING VISIBILITY	
HIGHEST	65 on 21st, 22nd	24 HOUR MAX	0.80 on 25th/26th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	37 on 14th			PARTLY CLOUDY (SCALE 4-7)	9		
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22		
				WITH .01" OR MORE PRECIP	16	5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.0	WITH .10" OR MORE PRECIP	10	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.0	WITH .50" OR MORE PRECIP	1	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	0	WITH 1.0" OR MORE PRECIP	0	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.347 on 16th				
		LOWEST SEA-LEVEL	29.802 on 26th				
TOTAL THIS MONTH	431	AVG STATION	23.876				
DEPARTURE FROM NORMAL	-74						
SEASON TOTAL	431						
DEPARTURE FROM NORMAL	-74						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:	
20TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO DATA LOGGING ISSUES.	

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
91	85	89	92	89

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 318 HOURS OF PREVAILING WINDS FROM THE W, 43% OF THE TOTAL HOURS OF THE MONTH.