

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JUNE				YEAR 2010			
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-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	53	41	47	41	6	18	0	0.52	0.0	0	35.1	60	W	0	0	10	12	
2	57	40	49	41	8	16	0	0.00	0.0	0	19.4	40	NW	585	63	6	128	
3	52	44	48	42	6	17	0	0.53	0.0	0	34.8	73	W	0	0	10	12	
4	49	42	46	42	4	19	0	0.00	0.0	0	30.3	59	NW	365	39	9	12	
5	52	43	48	42	6	17	0	0.88	0.0	0	35.3	60	W	0	0	10	12	
6	50	31	41	42	-1	24	0	1.28	0.0	0	40.3	67	NW	0	0	10	12	
7	36	31	34	43	-9	31	0	T	T	T	45.2	71	NW	65	7	10	125*6	
8	33	29	31	43	-12	34	0	0.24	0.4	T	39.0	57	NW	5	1	10	125*6	
9	43	31	37	43	-6	28	0	T	T	T	18.0	43	NW	490	52	9	1246	
10	39	34	37	43	-6	28	0	0.36	T	0	13.3	39	S	0	0	10	124	
11	45	35	40	44	-4	25	0	T	0.0	0	15.4	37	W	205	22	10	12	
12	46	38	42	44	-2	23	0	0.01	0.0	0	13.8	27	NE	20	2	10	12	
13	53	40	47	44	3	18	0	0.00	0.0	0	9.3	22	N	430	46	10	12	
14	50	35	43	44	-1	22	0	0.14	0.0	0	23.8	59	NW	40	4	10	12	
15	47	35	41	44	-3	24	0	0.00	0.0	0	30.0	59	NW	890	94	3	12	
16	48	41	45	45	0	20	0	0.40	0.0	0	26.0	60	W	86	9	10	12	
17	48	40	44	45	-1	21	0	0.98	0.0	0	30.5	56	N	19	2	10	12	
18	56	46	51	45	6	14	0	0.00	0.0	0	33.4	56	NW	910	97	5	12	
19	62	49	56	45	11	9	0	T	0.0	0	28.6	61	W	785	83	5	12	
20	56	49	53	45	8	12	0	0.85	0.0	0	39.1	65	NW	20	2	10	123	
21	50	42	46	46	0	19	0	0.00	0.0	0	40.0	69	NW	205	22	9	12	
22	57	43	50	46	4	15	0	0.05	0.0	0	11.3	43	S	695	74	9	12	
23	55	45	50	46	4	15	0	0.52	0.0	0	33.6	60	NW	0	0	10	12	
24	55	42	49	46	3	16	0	0.86	0.0	0	43.3	65	W	0	0	10	12	
25	49	37	43	46	-3	22	0	T	0.0	0	28.2	58	NW	669	71	6	12	
26	46	41	44	47	-3	21	0	0.22	0.0	0	36.7	63	NW	0	0	10	12	
27	53	42	48	47	1	17	0	0.04	0.0	0	23.6	43	W	45	5	10	12	
28	57	50	54	47	7	11	0	1.00	0.0	0	41.6	71	SW	0	0	10	12	
29	53	33	43	47	-4	22	0	0.10	0.0	0	37.0	64	W	50	5	10	12	
30	39	33	36	47	-11	29	0	0.01	0.0	0	37.6	57	W	100	11	9	12	
SUM	1489	1182	----	----	----	607	0	8.99	0.4	----	893.5	----	----	6679	----	270	----	
AVG	49.6	39.4	----	----	----	----	----	----	----	----	29.8	FASTEST	DIR	POSS %			----	
											MISC. ->	73	W	28193	24%	9.0	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	44.5	TOTAL FOR THE MONTH	8.99	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.1	DEPARTURE FROM NORMAL	0.63	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	62 on 19th	24 HOUR MAX	1.38 on 16th/17th	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
LOWEST	29 on 8th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.4	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.4 on 8th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 7th, 8th, 9th	WITH .50" OR MORE PRECIP	9	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	4			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.339 on 22nd				
		LOWEST SEA-LEVEL	29.442 on 6th				
TOTAL THIS MONTH	607	AVG STATION	23.7870				
DEPARTURE FROM NORMAL	-11						
SEASON TOTAL	12966						
DEPARTURE FROM NORMAL	-810						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: *5* - SOME OR ALL FELL AS SMALL HAIL.
6TH: DAILY PRECIP TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM WET FOG.
7TH, 8TH: SOME OR ALL FELL AS SMALL HAIL.
9TH, 10TH: SNOWFALL ESTIMATED DUE TO MELTING.
19TH: DAILY PRECIP TOTAL WHOLLY ESTIMATED DUE TO PRECIP CAN NOT COLLECTED AS A RESULT OF LIGHTNING OHD AT OB TIME.
20TH: LEAK IN PRECIP CAN DISCOVERED SO THE TOTAL IS NOT AN ACCURATE REPRESENTATION OF WHAT MAY HAVE FALLEN FOR THE FIRST 6 HOURS OF THE DAY.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
89	89	93	92	91

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 311 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.