

WS FORM F-6											STATION										
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY										
											MONTH			YEAR							
											JUNE			2009							
LATITUDE					LONGITUDE						GROUND ELEVATION (H)			STANDARD TIME							
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST						6280 FT			EASTERN							
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.				
						DEGREE DAYS			TOTAL (EQUIV)		SNOW & ICE	SNOW/ICE ON GROUND-6AM		AVG SPEED		FASTEST MILE		TOTAL % POSS			
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL							SPEED	DIR						
1	34	18	26	41	-15	39	0	0.03	0.1	T		49.8	87	W	417	45	8	1246			
2	36	32	34	41	-7	31	0	0.02	0.0	T		40.8	72	W	260	28	8	12			
3	40	29	35	42	-7	30	0	T	0.0	0		30.4	50	W	325	35	9	126			
4	45	32	39	42	-3	26	0	T	0.0	0		18.0	35	N	824	88	8	12			
5	47	34	41	42	-1	24	0	0.00	0.0	0		13.3	27	SE	359	38	10	12			
6	50	37	44	42	2	21	0	0.00	0.0	0		20.8	55	W	754	81	5				
7	44	30	37	43	-6	28	0	0.05	0.1	0		39.3	58	W	285	30	9	1246			
8	45	30	38	43	-5	27	0	0.00	0.0	0		19.2	44	NW	865	92	6	126			
9	41	31	36	43	-7	29	0	0.62	0.0	0		22.2	45	SE	10	1	10	12			
10	48	40	44	43	1	21	0	0.00	0.0	0		22.2	50	W	225	24	9	12			
11	51	42	47	44	3	18	0	0.04	0.0	0		18.2	36	W	330	35	10	12			
12	49	39	44	44	0	21	0	1.55	0.0	0		26.8	53	NW	7	1	10	12			
13	48	38	43	44	-1	22	0	0.02	0.0	0		15.9	31	N	371	39	8	1			
14	43	37	40	44	-4	25	0	0.35	0.0	0		11.7	23	NW	93	10	10	12			
15	43	36	40	44	-4	25	0	0.69	T	0		8.7	28	NW	2	0	10	125*			
16	47	35	41	45	-4	24	0	0.00	0.0	0		7.3	20	NW	510	54	6	12			
17	56	40	48	45	3	17	0	0.00	0.0	0		7.7	22	W	831	88	6				
18	45	35	40	45	-5	25	0	0.50	0.0	0		28.9	62	SE	75	8	10	12			
19	53	42	48	45	3	17	0	0.99	0.0	0		16.5	57	SE	108	11	10	12			
20	58	44	51	45	6	14	0	0.01	0.0	0		8.0	25	NE	460	49	9	12			
21	50	44	47	46	1	18	0	0.44	0.0	0		36.9	63	NE	0	0	10	12			
22	46	42	44	46	-2	21	0	0.25	0.0	0		39.1	59	NE	0	0	10	12			
23	50	44	47	46	1	18	0	0.36	0.0	0		39.4	59	NE	0	0	10	12			
24	53	47	50	46	4	15	0	0.21	0.0	0		20.5	41	E	3	0	10	12			
25	60	48	54	46	8	11	0	0.00	0.0	0		15.3	54	NW	182	19	9	12			
26	62	46	54	47	7	11	0	0.01	T	0		17.1	40	NW	490	52	8	1235*			
27	55	45	50	47	3	15	0	0.30	0.0	0		9.4	27	E	222	24	9	123			
28	50	45	48	47	1	17	0	0.80	0.0	0		23.1	41	E	0	0	10	12			
29	53	45	49	47	2	16	0	2.03	0.0	0		12.1	31	E	0	0	10	12			
30	56	44	50	47	3	15	0	0.00	0.0	0		13.6	39	SE	715	76	5	12			
SUM	1458	1151	----	----	----	641	0	9.27	0.2	----		652.2	----	----	8723	----	262	----			
AVG	48.6	38.4	----	----	----	----	----	----	----	----		21.7	FASTEST	DIR	POSS %			----			
												MISC. ->	87	W	28193	31%	8.7	----			

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	43.5	TOTAL FOR THE MONTH	9.27	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.9	DEPARTURE FROM NORMAL	0.91	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	62 on 26th	24 HOUR MAX	2.54 on 28/29th	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	18 on 1st	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.2	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.1 on 1st, 7th	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	TRACE on 1, 2, 3, 7th	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	7			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.448 on 16th			X = TORNADO	
TOTAL THIS MONTH	641	LOWEST SEA-LEVEL	29.540 on 29th				
DEPARTURE FROM NORMAL	23	AVG STATION	23.7740				
SEASON TOTAL	13603						
DEPARTURE FROM NORMAL	-173						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
88	89	93	91	90

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 195 HOURS OF PREVAILING WINDS FROM THE W, 27% OF THE TOTAL HOURS OF THE MONTH.