

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2008			
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	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	56	45	51	48	3	14	0	T	0.0	0	18.7	35	W	264	28	9	12	
2	57	46	52	48	4	13	0	0.01	0.0	0	17.9	49	W	485	52	8	123	
3	52	38	45	48	-3	20	0	0.57	0.0	0	41.3	77	W	225	24	9	12	
4	55	41	48	48	0	17	0	0.00	0.0	0	15.7	42	W	938	100	5	12	
5	58	42	50	48	2	15	0	0.00	0.0	0	12.0	24	W	669	71	6	12	
6	59	47	53	48	5	12	0	0.00	0.0	0	15.8	31	W	465	50	8	12	
7	61	49	55	48	7	10	0	0.00	0.0	0	24.4	35	W	785	84	6	12	
8	65	53	59	48	11	6	0	T	0.0	0	22.1	45	W	422	45	6	12	
9	65	52	59	48	11	6	0	0.44	0.0	0	30.9	56	W	265	28	9	1238	
10	54	41	48	49	-1	17	0	0.10	0.0	0	45.4	65	W	77	8	10	12	
11	50	39	45	49	-4	20	0	0.04	0.0	0	32.6	66	W	125	13	10	12	
12	55	42	49	49	0	16	0	0.01	0.0	0	22.3	39	SW	195	21	10	12	
13	55	50	53	49	4	12	0	0.39	0.0	0	32.2	61	SW	45	5	10	12	
14	53	43	48	49	-1	17	0	0.17	0.0	0	32.0	59	W	2	0	10	12	
15	52	42	47	49	-2	18	0	0.00	0.0	0	28.4	52	W	494	53	8	12	
16	63	45	54	49	5	11	0	0.00	0.0	0	19.2	50	W	760	82	5	12	
17	61	47	54	49	5	11	0	0.00	0.0	0	17.6	39	W	355	39	9	12	
18	56	47	52	49	3	13	0	0.89	T	0	35.7	88	W	5	1	10	1235*	
19	55	50	53	49	4	12	0	1.43	0.0	0	41.9	69	W	0	0	10	123	
20	54	47	51	49	2	14	0	2.04	0.0	0	23.5	44	SW	15	2	10	12	
21	58	47	53	49	4	12	0	0.98	0.0	0	8.4	25	W	70	8	10	123	
22	60	49	55	49	6	10	0	0.45	0.0	0	8.4	30	SW	175	19	9	12	
23	54	48	51	49	2	14	0	0.26	0.0	0	25.4	51	S	20	2	10	12	
24	54	46	50	49	1	15	0	2.14	0.0	0	35.8	71	SE	30	3	10	123	
25	55	44	50	49	1	15	0	0.00	0.0	0	21.3	58	SE	530	58	6	12	
26	58	46	52	49	3	13	0	0.62	0.0	0	22.2	41	SW	456	50	6	123	
27	55	47	51	49	2	14	0	0.01	0.0	0	22.8	44	W	125	14	9	12	
28	55	45	50	49	1	15	0	0.02	0.0	0	25.5	52	W	280	31	9	12	
29	50	44	47	49	-2	18	0	0.19	0.0	0	36.1	56	W	0	0	10	123	
30	57	44	51	49	2	14	0	0.00	0.0	0	16.0	35	NW	200	22	9	12	
31	54	47	51	49	2	14	0	2.12	0.0	0	15.0	39	SW	20	2	10	123	
SUM	1746	1413	----	----	----	428	0	12.88	T	----	766.5	----	----	8497	----	266	----	
AVG	56.3	45.6	----	----	----	----	----	----	----	----	24.7	FASTEST	DIR	POSS				
												88	W	28530	30%	8.6	----	
												MISC. ->						

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	51.0	TOTAL FOR THE MONTH	12.88	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.3	DEPARTURE FROM NORMAL	4.86			2 = FOG REDUCING VISIBILITY	
HIGHEST	65 on 8, 9th	24 HOUR MAX	2.14 on 24th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	38 on 3rd	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 18th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 N/A	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.352 on 16th			9 = BLOWING SNOW	
		LOWEST SEA-LEVEL	29.791 on 31st			X = TORNADO	
TOTAL THIS MONTH	428	AVG STATION	23.902				
DEPARTURE FROM NORMAL	-77						
SEASON TOTAL	428						
DEPARTURE FROM NORMAL	-77						
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
90	88	94	94	92

NOTES: 18th: SOME OR ALL FELL AS HAIL. ESTIMATED DUE TO MELTING.
* 5" FELL AS SMALL HAIL

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE 465 WERE HOURS OF PREVAILING WINDS FROM THE W 63% OF THE TOTAL HOURS OF THE MONTH.