

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2007			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT			STANDARD TIME 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 SPEED	DIR	TOTAL	% POSS			
1	33	30	32	48	-16	33	0	0.08	0.2	0	37.3	60	NW	0	0	10	1246	
2	38	32	35	48	-13	30	0	0.08	0.1	0	39.1	69	NW	10	1	10	1245	
3	46	33	40	48	-8	25	0	T	0.0	0	25.1	52	NW	335	36	8	12	
4	51	40	46	48	-2	19	0	0.21	0.0	0	21.3	40	SW	325	35	9	12	
5	51	44	48	48	0	17	0	0.09	0.0	0	25.5	45	NW	0	0	10	12	
6	48	43	46	48	-2	19	0	0.13	T	0	29.8	61	NW	20	2	10	1235	
7	45	38	42	48	-6	23	0	0.25	0.0	0	45.0	72	NW	0	0	10	12	
8	50	41	46	48	-2	19	0	0.73	0.0	0	28.1	49	NW	130	14	10	12	
9	58	43	51	48	3	14	0	0.68	0.0	0	28.3	63	W	0	0	10	123	
10	62	53	58	49	9	7	0	0.91	0.1	0	29.4	53	W	110	12	9	1235	
11	59	51	55	49	6	10	0	1.53	0.0	0	30.2	56	NW	5	1	10	123	
12	52	41	47	49	-2	18	0	0.09	0.0	0	23.8	44	NW	465	50	7	12	
13	49	39	44	49	-5	21	0	0.32	0.0	0	28.3	61	W	240	26	8	12	
14	50	38	44	49	-5	21	0	0.01	0.0	0	20.5	44	W	360	39	8	12	
15	51	43	47	49	-2	18	0	0.29	0.0	0	33.3	56	W	65	7	9	12	
16	51	40	46	49	-3	19	0	0.00	0.0	0	28.5	49	NW	430	47	8	12	
17	52	40	46	49	-3	19	0	0.00	0.0	0	25.6	43	NW	455	49	8	12	
18	51	43	47	49	-2	18	0	0.63	0.0	0	25.3	52	SW	0	0	10	12	
19	56	47	52	49	3	13	0	0.41	0.0	0	18.6	43	W	318	35	8	12	
20	52	41	47	49	-2	18	0	0.36	0.0	0	29.3	55	NW	0	0	10	12	
21	49	39	44	49	-5	21	0	0.28	0.0	0	29.9	67	N	65	7	9	12	
22	56	41	49	49	0	16	0	0.00	0.0	0	12.6	31	NE	495	54	5		
23	55	44	50	49	1	15	0	0.08	0.0	0	22.0	42	S	299	33	9	12	
24	61	49	55	49	6	10	0	0.05	0.0	0	20.8	45	S	485	53	6	12	
25	63	48	56	49	7	9	0	0.00	0.0	0	19.5	38	W	514	57	7	12	
26	65	51	58	49	9	7	0	0.00	0.0	0	19.0	36	W	458	51	7	12	
27	64	53	59	49	10	6	0	0.04	0.0	0	16.8	30	W	145	16	10	128	
28	57	49	53	49	4	12	0	0.37	0.0	0	19.5	35	W	115	13	9	12	
29	60	48	54	49	5	11	0	0.00	0.0	0	13.6	39	NW	350	39	8	12	
30	59	49	54	49	5	11	0	0.00	0.0	0	9.3	25	W	110	12	9	12	
31	58	46	52	49	3	13	0	0.01	0.0	0	21.3	40	NW	165	18	8	12	
SUM	1652	1337	----	----	----	512	0	7.63	0.4	----	776.6	----	----	6469	----	269	----	
AVG	53.3	43.1	----	----	----	----	----	----	----	----	25.1	FASTEST	DIR	POSS	23%	8.7	----	
											MISC. ->	72	NW	28530				

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	48.2	TOTAL FOR THE MONTH	7.63	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.5	DEPARTURE FROM NORMAL	-0.39			2 = FOG REDUCING VISIBILITY	
HIGHEST	65 on 26th	24 HOUR MAX	1.69 on 11/12th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	30 on 1st			PARTLY CLOUDY (SCALE 4-7)	5		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	23	5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.4	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.2 on 1st	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	2	MAX DEPTH ON GROUND	0	WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.472 on 22nd			X = TORNADO	
		LOWEST SEA-LEVEL	29.755 on 20th				
TOTAL THIS MONTH	512	AVG STATION	23.888				
DEPARTURE FROM NORMAL	7						
SEASON TOTAL	512						
DEPARTURE FROM NORMAL	7						
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
92	89	93	95	92

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 279 HOURS OF PREVAILING WINDS FROM THE NW, 38% OF THE TOTAL HOURS OF THE MONTH.