

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2007			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION 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	DIR	TOTAL	% POSS			
1	62	48	55	49	6	10	0	0.00	0.0	0	19.5	39	NW	575	65	7	12	
2	64	53	59	49	10	6	0	0.00	0.0	0	26.1	44	W	485	55	5	12	
3	67	56	62	49	13	3	0	0.00	0.0	0	24.9	44	W	460	52	6	1238	
4	56	40	48	49	-1	17	0	0.00	0.0	0	36.0	60	NW	150	17	8	12	
5	56	35	46	49	-3	19	0	0.00	0.0	0	18.6	54	NW	881	100	4	12	
6	55	42	49	49	0	16	0	1.48	0.0	0	35.3	62	S	89	10	9	123	
7	59	47	53	49	4	12	0	0.00	0.0	0	20.1	45	NW	219	25	9	12	
8	57	40	49	49	0	16	0	0.90	0.0	0	45.9	93	NW	0	0	10	12	
9	58	36	47	49	-2	18	0	0.00	0.0	0	18.3	66	NW	290	33	8	12	
10	54	40	47	49	-2	18	0	0.00	0.0	0	10.4	20	NW	180	21	9	12	
11	54	43	49	49	0	16	0	0.00	0.0	0	26.4	55	N	270	31	8	12	
12	55	47	51	48	3	14	0	0.00	0.0	0	33.0	51	NW	52	6	9	12	
13	52	38	45	48	-3	20	0	0.03	0.0	0	39.1	64	NW	155	18	9	12	
14	48	35	42	48	-6	23	0	0.00	0.0	0	28.0	62	NW	310	36	7	12	
15	50	42	46	48	-2	19	0	0.08	0.0	0	39.3	70	W	5	1	10	12	
16	56	42	49	48	1	16	0	0.33	0.0	0	32.0	82	W	200	23	9	123	
17	54	36	45	48	-3	20	0	0.00	0.0	0	22.1	45	W	565	66	6	12	
18	36	30	33	47	-14	32	0	0.44	T	0	54.1	94	N	0	0	10	1246	
19	35	29	32	47	-15	33	0	0.00	0.0	0	39.4	67	NW	110	13	10	126	
20	45	31	38	47	-9	27	0	0.00	0.0	0	9.2	31	NW	417	50	7	126	
21	52	34	43	47	-4	22	0	0.00	0.0	0	7.2	19	W	784	93	6	12	
22	55	43	49	47	2	16	0	T	0.0	0	12.3	27	SW	620	74	7	12	
23	56	46	51	47	4	14	0	0.10	0.0	0	26.4	45	SW	0	0	10	12	
24	60	53	57	46	11	8	0	0.46	0.0	0	44.8	66	W	0	0	10	12	
25	65	55	60	46	14	5	0	0.32	0.0	0	41.8	93	W	10	1	9	123	
26	55	44	50	46	4	15	0	0.11	0.0	0	40.2	79	W	0	0	10	12	
27	58	44	51	46	5	14	0	0.00	0.0	0	9.5	26	NW	802	98	4		
28	59	43	51	46	5	14	0	0.00	0.0	0	13.3	33	NW	718	88	5	12	
29	64	48	56	45	11	9	0	0.00	0.0	0	20.1	45	W	770	94	3	12	
30	65	51	58	45	13	7	0	1.46	0.2	0	18.6	66	W	391	48	7	1235	
31	55	38	47	45	2	18	0	T	0.0	0	19.3	50	N	0	0	10	12	
SUM	1717	1309	----	----	----	497	0	5.71	0.2	----	831.2	----	----	9508	----	241	----	
AVG	55.4	42.2	----	----	----	----	----	----	----	----	26.8	FASTEST	DIR	POSS	%	SKY	----	
												MISC-->	94	N	26399	36%	7.8	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	48.8	TOTAL FOR THE MONTH	5.71	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.2	DEPARTURE FROM NORMAL	-2.37			2 = FOG REDUCING VISIBILITY	
HIGHEST	67 on 3rd	24 HOUR MAX	1.48 on 6th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	29 on 19th			PARTLY CLOUDY (SCALE 4-7)	12	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	18	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.2	WITH .01" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.2 on 30th	WITH .10" OR MORE PRECIP	9	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	3	MAX DEPTH ON GROUND	0	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.338 on 28th				
		LOWEST SEA-LEVEL	29.756 on 8th				
TOTAL THIS MONTH	497	AVG STATION	23.920				
DEPARTURE FROM NORMAL	-44						
SEASON TOTAL	1009						
DEPARTURE FROM NORMAL	-37						
COOLING DEGREE DAYS (BASE 65F)							
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
83	79	87	87	84

NOTES: 19TH: DAILY RECORD LOW OF 29°F TIED, THE ORIGINAL RECORD WAS SET IN 1958.
25TH: DAILY RECORD HIGH OF 65° F TIED, THE ORIGINAL RECORD WAS SET IN 1947.
30TH: DAILY RECORD HIGH OF 65°F TIED, THE ORIGINAL RECORD WAS SET IN 1953.
30TH: SNOWFALL FELL AS HAIL.

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 354 HOURS OF PREVAILING WINDS FROM THE W, 48% OF THE TOTAL HOURS OF THE MONTH.