WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: SEPTEMBER | 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	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	FASTEST MILE DIR	TOTAL	% POSS	(TENTHS)	WEATHER OCCUR.
1	42	33	38	45	-7	27	0	0.00	0.0	0	33.9	59	NW	225	28	7	12
2	52	35	44	44	0	21	0	0.00	0.0	0	25.4	49	W	803	100	2	
3	53	40	47	44	3	18	0	0.01	0.0	0	44.1	67	NW	55	7	10	12
4	41	29	35	44	-9	30	0	T	0.0	0	47.3	73	NW	677	85	5	12
5	48	30	39	43	-4	26	0	0.00	0.0	0	29.3	66	NW	679	86	5	12
6	55	40	48	43	5	17	0	0.00	0.0	0	34.8	55	W	20	3	10	12
7	**64**	51	58	43	15	7	0	0.00	0.0	0	36.1	61	SW	415	53	6	12
8	58	47	53	43	10	12	0	T	0.0	0	44.2	77	W	0	0	10	12
9	54	47	51	42	9	14	0	1.26	0.0	0	21.9	32	SW	0	0	10	12
10	55	47	51	42	9	14	0	0.62	0.0	0	23.2	42	W	25	3	10	12
11	50	41	46	42	4	19	0	0.79	0.0	0	30.9	76	W	0	0	10	12
12	43	32	38	42	-4	27	0	0.05	0.0	0	58.0	88	NW	0	0	10	12
13	40	29	35	41	-6	30	0	0.00	0.0	0	32.2	67	W	166	22	8	126
14	45	37	41	41	0	24	0	0.01	0.0	0	26.8	48	SW	65	8	9	12
15	47	25	36	41	-5	29	0	1.40	0.8	0	47.5	95	NW	0	0	10	1246
16	36	23	30	40	-10	35	0	0.00	0.0	T	18.5	69	NW	371	49	6	126
17	46	26	36	40	-4	29	0	0.00	0.0	0	7.4	26	NW	665	88	2	
18	53	40	47	40	7	18	0	0.00	0.0	0	7.9	19	E	756	100	4	
19	**65**	49	57	39	18	8	0	0.00	0.0	0	10.4	36	W	753	100	2	
20	59	48	54	39	15	11	0	0.00	0.0	0	21.5	43	NW	450	60	4	12
21	56	47	52	39	13	13	0	0.00	0.0	0	14.7	30	W	475	64	6	12
22	55	38	47	39	8	18	0	0.00	0.0	0	37.8	73	W	100	13	9	12
23	42	33	38	38	0	27	0	0.00	0.0	0	62.8	93	NW	442	60	6	12
24	49	33	41	38	3	24	0	0.00	0.0	0	53.5	90	NW	727	99	3	12
25	**62**	45	54	37	17	11	0	0.00	0.0	0	43.5	75	W	596	81	6	12
26	57	50	54	37	17	11	0	0.98	0.0	0	49.1	74	W	0	0	10	12
27	58	50	54	37	17	11	0	0.01	0.0	0	24.5	49	SW	0	0	10	12
28	51	35	43	36	7	22	0	0.20	0.0	0	35.1	60	W	20	3	10	12
29	41	30	36	36	0	29	0	0.00	0.0	0	44.2	78	NW	5	1	10	126
30	48	35	42	36	6	23	0	0.00	0.0	0	14.8	28	NW	510	71	6	
SUM	1525	1145	----	----	----	605	0	5.33	0.8	----	981.3	----	----	9000	----	216	----
AVG	50.8	38.2	----	----	----	----	----	----	----	----	32.7	FASTEST	DIR	POSS	%		----
											MISC. ->	95	NW	22883	39%	7.2	----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	44.5	
DEPARTURE FROM NORMAL	4.1	
HIGHEST	65	on 19th
LOWEST	23	on 16th

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	0
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	8
MIN. 0 OR BELOW	0

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	605
DEPARTURE FROM NORMAL	-134
SEASON TOTAL	1614
DEPARTURE FROM NORMAL	-171

COOLING DEGREE DAYS (BASE 65F)

TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

PRECIPITATION DATA (IN.)

TOTAL FOR THE MONTH	5.33	
DEPARTURE FROM NORMAL	-3.22	
24 HOUR MAX	1.87	on 9/10th

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	0.8	
24 HOUR MAX	0.8	on 15th
MAX DEPTH ON GROUND	T	on 16th

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	30.657	on 30th
LOWEST SEA-LEVEL	29.594	on 12th
AVG STATION	23.971	

WEATHER

NUMBER OF DAYS:	
CLEAR (SCALE 0-3)	4
PARTLY CLOUDY (SCALE 4-7)	11
CLOUDY (SCALE 8-10)	15
WITH .01" OR MORE PRECIP	10
WITH .10" OR MORE PRECIP	6
WITH .50" OR MORE PRECIP	5
WITH 1.0" OR MORE PRECIP	2

SYMBOLS USED IN COLUMN 16

1 = FOG
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = GLAZE OR RIME
7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

NOTES: **7TH: DAILY RECORD HIGH OF 64° F TIED, THE ORIGINAL RECORD WAS SET IN 2001.**
19TH: NEW DAILY RECORD HIGH OF 65° F, ORIGINAL RECORD OF 61° F SET IN 1955 AND 2002.
25TH: NEW DAILY RECORD HIGH OF 62° F, ORIGINAL RECORD OF 58° F SET IN 1937.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
79	80	77	76	78

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE **308** HOURS OF PREVAILING WINDS FROM THE **WEST**, **41%** OF THE TOTAL HOURS OF THE MONTH.