WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: SEPTEMBER | YEAR: 2009

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	WEATHER
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)	OCCUR.
1	46	31	39	45	-6	26	0	0.00	0.0	0	12.8	39	NW	801	99	1	12
2	55	41	48	44	4	17	0	0.00	0.0	0	14.5	27	NW	803	100	1	12
3	56	46	51	44	7	14	0	0.00	0.0	0	12.0	27	W	779	97	4	12
4	57	44	51	44	7	14	0	0.00	0.0	0	16.0	27	NW	707	89	4	12
5	47	33	40	43	-3	25	0	0.00	0.0	0	33.3	58	W	570	72	5	12
6	48	36	42	43	-1	23	0	0.00	0.0	0	10.4	29	N	792	100	1	
7	49	38	44	43	1	21	0	0.00	0.0	0	14.5	31	W	405	51	9	12
8	52	41	47	43	4	18	0	0.00	0.0	0	13.6	37	NW	345	44	8	12
9	52	36	44	42	2	21	0	0.00	0.0	0	10.5	27	E	693	89	6	
10	50	40	45	42	3	20	0	0.00	0.0	0	7.8	17	SE	708	91	5	1
11	53	45	49	42	7	16	0	T	0.0	0	12.0	23	SE	490	63	10	
12	57	45	51	42	9	14	0	0.01	0.0	0	5.9	16	W	25	3	10	12
13	48	35	42	41	1	23	0	0.04	0.0	0	36.7	71	NW	230	30	9	12
14	42	32	37	41	-4	28	0	0.07	0.0	0	44.5	72	NW	330	43	9	12
15	42	33	38	41	-3	27	0	**0.13**	0.0	0	31.3	70	W	5	1	10	12
16	38	33	36	40	-4	29	0	0.00	0.0	0	7.9	19	NW	10	1	10	12
17	43	32	38	40	-2	27	0	0.00	0.0	0	18.4	54	W	290	38	8	12
18	38	25	32	40	-8	33	0	0.20	0.0	0	58.6	91	W	0	0	10	126
19	41	23	32	39	-7	33	0	0.00	0.0	T	51.3	91	NW	465	62	6	126
20	57	36	47	39	8	18	0	0.00	0.0	T	24.5	43	NW	750	100	3	
21	62	51	57	39	18	8	0	0.00	0.0	0	12.5	35	W	746	100	1	
22	55	49	52	39	13	13	0	0.00	0.0	0	26.8	40	W	122	16	10	12
23	54	47	51	38	13	14	0	**0.47**	0.0	0	37.3	74	W	0	0	10	12
24	48	31	40	38	2	25	0	0.04	0.0	0	45.6	69	W	265	36	8	12
25	33	26	30	37	-7	35	0	0.00	0.0	T	28.7	67	NW	239	33	9	126
26	42	30	36	37	-1	29	0	0.00	0.0	T	16.7	40	SW	705	96	3	1
27	47	31	39	37	2	26	0	1.38	0.0	0	34.8	56	SE	0	0	10	12
28	48	36	42	36	6	23	0	0.72	0.0	0	30.0	55	W	205	28	9	12
29	38	33	36	36	0	29	0	0.26	0.0	0	28.5	60	W	135	19	8	12
30	34	21	28	36	-8	37	0	0.25	T	0	21.1	52	W	0	0	10	126
SUM	1432	1080	----	----	----	686	0	3.57	0.0	----	718.5	----	----	11615	----	207	----
AVG	47.7	36.0	----	----	----	----	----	----	----	----	24.0	FASTEST	DIR	POSS	%		----
											MISC. ->	91		22883	51%	6.9	----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	41.9
DEPARTURE FROM NORMAL	1.5
HIGHEST	62
LOWEST	21
NUMBER OF DAYS WITH:	
MAX. 32 OR BELOW	0
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	10
MIN. 0 OR BELOW	0

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	686
DEPARTURE FROM NORMAL	-53
SEASON TOTAL	
DEPARTURE FROM NORMAL	-1785

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	3.57
DEPARTURE FROM NORMAL	-4.98
24 HOUR MAX	
SNOWFALL, ICE PELLETS (IN.)	
TOTAL FOR THE MONTH	0.0
24 HOUR MAX	
MAX DEPTH ON GROUND	

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	
LOWEST SEA-LEVEL	
AVG STATION	

WEATHER

NUMBER OF DAYS:	
CLEAR (SCALE 0-3)	6
PARTLY CLOUDY (SCALE 4-7)	6
CLOUDY (SCALE 8-10)	18
WITH .01" OR MORE PRECIP	11
WITH .10" OR MORE PRECIP	7
WITH .50" OR MORE PRECIP	2
WITH 1.0" OR MORE PRECIP	1

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: 15TH: PRECIPITATION TOTAL ESTIMATED DUE TO UNREALISTIC AMOUNT CAUSED BY "WET FOG".
23RD: PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT CAUSED BY "WET FOG".

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
				#DIV/0!

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