WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: MAY | YEAR: 2011

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	26	34	30	4	31	0	0.00	0.0	1	**17.8**	42	NE	845	98	1	
2	48	32	40	30	10	25	0	0.04	0.0	1	18.7	45	W	646	75	8	12
3	43	37	40	30	10	25	0	0.13	0.0	T	33.9	68	SW	0	0	10	12
4	45	26	36	31	5	29	0	0.84	0.5	T	24.0	63	SW	0	0	10	126
5	29	18	24	31	-7	41	0	0.30	**1.8**	1	**24.6**	73	W	25	3	10	12469
6	34	17	26	32	-6	39	0	0.00	0.0	2	**48.2**	79	W	270	31	9	1269
7	40	30	35	32	3	30	0	T	T	1	19.0	39	SW	435	49	8	123
8	35	25	30	32	-2	35	0	0.00	0.0	T	18.2	35	NW	440	50	8	12
9	36	23	30	33	-3	35	0	0.00	0.0	T	**34.8**	63	N	789	89	8	
10	32	27	30	33	-3	35	0	0.00	0.0	T	40.8	64	NE	0	0	10	126
11	35	28	32	34	-2	33	0	0.00	0.0	T	**32.3**	61	NE	35	4	10	126
12	45	31	38	34	4	27	0	0.00	0.0	T	**14.1**	39	NE	404	45	8	12
13	51	39	45	35	10	20	0	0.00	0.0	T	8.1	23	S	765	86	8	12
14	47	39	43	35	8	22	0	0.60	0.0	T	20.5	33	SW	80	9	10	12
15	45	30	38	35	3	27	0	1.19	0.0	T	18.5	49	W	0	0	10	126
16	47	31	39	36	3	26	0	0.39	0.0	T	21.4	45	S	0	0	10	126
17	46	40	43	36	7	22	0	0.46	0.0	0	29.8	62	SE	0	0	10	12
18	44	39	42	37	5	23	0	**0.85**	0.0	0	41.5	61	SE	0	0	10	12
19	50	43	47	37	10	18	0	0.76	0.0	0	**23.9**	65	SE	260	29	9	12
20	50	42	46	37	9	19	0	0.12	0.0	0	11.0	32	SE	130	14	10	12
21	45	40	43	38	5	22	0	0.10	0.0	0	19.9	66	NE	35	4	10	12
22	51	39	45	38	7	20	0	T	0.0	0	12.8	39	SW	470	51	9	12
23	49	39	44	38	6	21	0	0.11	0.0	0	36.1	78	SW	25	3	10	12
24	48	41	45	39	6	20	0	T	0.0	0	47.8	81	SW	0	0	10	12
25	50	36	43	39	4	22	0	0.00	0.0	0	22.8	48	W	847	92	6	12
26	54	44	49	39	10	16	0	**0.20**	0.0	0	31.8	62	SW	0	0	10	123
27	59	46	53	40	13	12	0	0.59	**T**	0	30.1	75	SW	0	0	9	1235*
28	53	48	51	40	11	14	0	0.00	0.0	0	28.7	68	SW	10	1	10	12
29	55	49	52	40	12	13	0	0.02	0.0	0	41.3	62	SW	40	4	10	12
30	55	45	50	40	10	15	0	1.17	**T**	0	38.5	81	W	531	57	9	1235*
31	58	45	52	41	11	13	0	0.00	0.0	0	21.3	50	W	505	54	9	
SUM	1421	1095	----	----	----	750	0	7.87	2.3	----	832.2	----	----	7587	----	279	----
AVG	45.8	35.3	----	----	----	----	----	----	----	----	26.8	FASTEST	DIR	POSS	%		----
											MISC. ->	81		27878	27%	9.0	----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	40.6
DEPARTURE FROM NORMAL	5.0
HIGHEST	59
LOWEST	17

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	2
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	13
MIN. 0 OR BELOW	0

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	750
DEPARTURE FROM NORMAL	-163
SEASON TOTAL	
DEPARTURE FROM NORMAL	-13158

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	7.87
DEPARTURE FROM NORMAL	-0.34
24 HOUR MAX	

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	2.3
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)	1
PARTLY CLOUDY (SCALE 4-7)	1
CLOUDY (SCALE 8-10)	29
WITH .01" OR MORE PRECIP	17
WITH .10" OR MORE PRECIP	15
WITH .50" OR MORE PRECIP	7
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: * FELL AS SMALL HAIL

1ST, 12TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED WIND SPEEDS DUE TO PITOT NOT VANED CORRECTLY DUE TO LOW WINDS.

5TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO WINDS TOO LIGHT FOR PITOT.

5TH: SNOWFALL PARTIALLY ESTIMATED DUE TO MELTING AND WET SNOW RENDERING CONVENTIONAL MEASUREMENT IMPOSSIBLE.

6TH: DAILY AVG WIND SPEED CONTAINS 7 HRS OF EST'D SPEEDS DUE TO WATER IN TP LINE OF PITOT AND DATABASE ISSUES RESULTING IN MISSING WIND DATA

9TH: DAILY AVG WIND SPEED CONTAINS 1HR OF ESTIMATED SPEEDS DUE TO MISSING DATA

11TH: DAILY AVG WIND SPEED CONTAINS 8 HRS OF EST'D SPEEDS DUE TO WATER IN TP LINE OF PITOT.

12TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM WET FOG.

26TH: DAILY PRECIP TOTAL ESTIMATED FROM A LATER COLLECTION DUE TO LIGHTNING OHD AT REGULAR COLLECTION TIME.

27TH, 30TH: ESTIMATED DUE TO MELTING BEFORE COLLECTION.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
				89

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.