WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: FEBRUARY | 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	14	-11	2	5	-3	63	0	0.09	0.9	19	58.0	85	W	0	0	10	1269
2	13	5	9	5	4	56	0	T	T	19	50.6	80	W	88	15	10	1269
3	9	-2	4	5	-1	61	0	0.02	0.3	19	18.2	46	N	35	6	10	1269
4	3	-16	-6	5	-11	71	0	0.01	0.3	19	21.9	38	NW	454	74	6	126
5	-4	-21	-12	5	-17	77	0	0.00	0.0	19	42.9	72	NW	470	77	6	1269
6	19	-8	6	5	1	59	0	0.00	0.0	18	38.9	58	NW	135	22	9	126
7	30	19	25	5	20	40	0	0.02	0.1	17	48.1	101	W	204	33	9	1269
8	27	-12	8	5	3	57	0	0.31	2.0	13	79.2	126	NW	0	0	10	1269
9	11	-14	-1	5	-6	66	0	0.00	0.0	13	**74.2**	110	NW	423	68	4	1269
10	32	10	21	6	15	44	0	0.01	T	11	44.8	76	W	45	7	10	1246
11	34	27	31	6	25	34	0	0.25	T	10	39.0	65	NW	155	25	9	1246
12	37	7	22	6	16	43	0	1.31	5.4	9	50.0	86	NW	0	0	10	12469
13	7	-9	-1	6	-7	66	0	0.03	0.3	12	**82.3**	108	NW	25	4	10	1269
14	5	-8	-1	6	-7	66	0	0.00	0.0	11	**75.3**	108	NW	10	2	10	1269
15	11	2	7	6	1	58	0	0.01	0.1	11	35.0	63	NW	305	48	6	1269
16	14	4	9	7	2	56	0	T	T	11	**6.9**	28	NW	451	70	5	126
17	11	5	8	7	1	57	0	0.00	0.0	11	12.1	21	NW	647	100	2	
18	13	6	10	7	3	55	0	0.22	2.1	11	30.5	78	SE	321	49	6	1269
19	23	0	12	7	5	53	0	1.00	8.3	12	29.5	71	SE	0	0	10	1269
20	5	-9	-2	7	-9	67	0	0.07	0.7	17	46.2	93	W	120	18	10	1269
21	15	-8	4	8	-4	61	0	0.00	0.0	16	57.3	93	W	103	16	10	1269
22	15	5	10	8	2	55	0	0.51	4.3	15	**34.9**	64	NW	0	0	10	1269
23	5	-11	-3	8	-11	68	0	2.24	16.2	23	69.8	98	NW	0	0	10	1269
24	12	-10	1	8	-7	64	0	0.00	0.0	20	52.9	87	NW	621	93	4	1269
25	19	7	13	9	4	52	0	0.00	0.0	20	**14.5**	30	W	671	100	4	
26	25	14	20	9	11	45	0	0.02	0.2	20	33.5	59	SW	0	0	10	1269
27	32	20	26	9	17	39	0	0.31	0.8	20	48.7	87	SW	0	0	10	12469
28	29	3	16	9	7	49	0	0.03	0.1	20	35.0	78	W	598	88	1	1269
SUM	466	-5	----	----	----	1582	0	6.46	42.1	----	1230.2	----	----	5881	----	221	----
AVG	17	0	----	----	----	----	----	----	----	----	43.9	FASTEST	DIR	POSS	%	7.9	----
											MISC. ->	126	NW	17905	33%		----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	8.2	
DEPARTURE FROM NORMAL	1.6	
HIGHEST	37	on 12th
LOWEST	-21	on 5th

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	26
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	28
MIN. 0 OR BELOW	14

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	1582
DEPARTURE FROM NORMAL	-54
SEASON TOTAL	9342
DEPARTURE FROM NORMAL	-47

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	6.46	
DEPARTURE FROM NORMAL	-0.87	
24 HOUR MAX	2.56	on 22/23rd

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	42.1	
24 HOUR MAX	19.0	on 22/23rd
MAX DEPTH ON GROUND	26	on 23rd

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	30.367	on 26th
LOWEST SEA-LEVEL	29.199	on 20th
AVG STATION	23.4510	

WEATHER

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

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:

9TH, 13TH: DAILY AVERAGE WINDSPEED CONTAINS 4 HRS OF OBSERVER ESIMATED WIND SPEEDS DUE TO ICE IN TP PITOT LINE

14TH: DAILY AVERAGE WINDSPEED CONTAINS 8 HRS OF OBSERVER ESIMATED WIND SPEEDS DUE TO ICE IN TP PITOT LINE

16TH/25TH: DAILY AVERAGE WINDSPEED CONTAINS 2 HRS OF OBSERVER ESIMATED WIND SPEEDS DUE TO LOW WINDS NOT DETECTED.

22ND: DAILY AVERAGE WINDSPEED CONTAINS 2 HRS OF OBSERVER ESIMATED WIND SPEEDS DUE TO PITOT VANED INCORRECTLY.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
83	83	84	79	82

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE **321** HOURS OF PREVAILING WINDS FROM THE **NW** **48%** OF THE TOTAL HOURS OF THE MONTH.