WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: FEBRUARY | YEAR: 2010

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	-5	-13	-9	5	-14	74	0	0.15	1.8	16	**68.1**	102	W	280	47	6	1269
2	4	-10	-3	5	-8	68	0	0.01	0.2	16	**41.3**	94	NW	445	74	5	1269
3	10	-3	4	5	-1	61	0	0.09	1.8	16	21.9	62	NW	185	30	9	1269
4	-1	-13	-7	5	-12	72	0	0.04	0.7	17	**60.0**	87	NW	332	54	5	1269
5	3	-9	-3	5	-8	68	0	0.00	0.0	17	54.4	79	NW	280	46	6	1269
6	3	-5	-1	5	-6	66	0	0.00	0.0	17	25.4	57	N	448	73	8	
7	6	-7	0	5	-5	65	0	T	T	16	53.5	78	NW	185	30	8	1269
8	8	-7	1	5	-4	64	0	0.17	1.0	16	42.3	62	NW	55	9	10	1269
9	23	5	14	5	9	51	0	0.00	0.0	16	16.3	49	NW	455	73	4	1269
10	20	10	15	6	9	50	0	0.01	0.3	16	24.1	47	NE	0	0	10	1269
11	17	10	14	6	8	51	0	0.00	0.0	16	25.8	49	N	544	86	3	1269
12	16	3	10	6	4	55	0	T	T	16	19.9	35	NW	631	100	5	126
13	18	6	12	6	6	53	0	T	T	16	18.2	41	NW	505	80	8	126
14	7	0	4	6	-2	61	0	0.09	1.7	16	53.8	85	W	0	0	10	1269
15	18	0	9	6	3	56	0	0.02	0.4	17	26.9	63	W	70	11	10	1269
16	22	4	13	7	6	52	0	0.01	0.3	17	15.0	30	NW	287	45	8	1269
17	18	4	11	7	4	54	0	0.03	0.4	17	22.2	41	NW	365	56	6	1269
18	15	5	10	7	3	55	0	**0.12**	**0.8**	17	42.2	65	W	0	0	10	1269
19	15	2	9	7	2	56	0	0.05	0.8	17	48.4	73	NW	100	15	9	1269
20	19	6	13	7	6	52	0	0.00	0.0	17	**49.5**	73	NW	95	14	10	1269
21	12	2	7	8	-1	58	0	**0.10**	**1.8**	17	**35.4**	65	NW	102	16	9	1269
22	17	10	14	8	6	51	0	T	T	18	**23.6**	68	NW	380	58	6	1269
23	19	11	15	8	7	50	0	T	T	18	**21.3**	44	SE	0	0	10	126
24	24	10	17	8	9	48	0	1.54	7.7	19	**48.0**	79	E	0	0	10	12469
25	24	17	21	9	12	44	0	2.17	7.5	24	**68.5**	132	E	0	0	10	12469
26	21	13	17	9	8	48	0	**1.45**	**7.8**	27	**49.4**	129	E	0	0	10	1269
27	16	9	13	9	4	52	0	1.03	8.7	30	**29.6**	63	E	0	0	10	1269
28	20	9	15	9	6	50	0	0.11	1.1	35	**15.1**	41	N	542	80	6	1269
SUM	389	69	----	----	----	1585	0	7.19	44.8	----	1020.1	----	----	6286	----	221	----
AVG	14	3	----	----	----	----	----	----	----	----	36.4	FASTEST	DIR	POSS	%	7.9	----
											MISC. ->	132	E	17905	35%		----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	8.2	
DEPARTURE FROM NORMAL	1.6	
HIGHEST	24	on 24th, 25th
LOWEST	-13	on 1st

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	28
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	28
MIN. 0 OR BELOW	10

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	1585
DEPARTURE FROM NORMAL	-51
SEASON TOTAL	9056
DEPARTURE FROM NORMAL	-333

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	7.19	
DEPARTURE FROM NORMAL	-0.14	
24 HOUR MAX	2.72	on 25th/26th

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	44.8	
24 HOUR MAX	10.8	on 25th/26th
MAX DEPTH ON GROUND	35	on 27th, 28th

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	30.175	on 2nd
LOWEST SEA-LEVEL	29.191	on 26th
AVG STATION	23.260	

WEATHER

NUMBER OF DAYS:	
CLEAR (SCALE 0-3)	1
PARTLY CLOUDY (SCALE 4-7)	9
CLOUDY (SCALE 8-10)	18
WITH .01" OR MORE PRECIP	18
WITH .10" OR MORE PRECIP	9
WITH .50" OR MORE PRECIP	4
WITH 1.0" OR MORE PRECIP	4

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:
1ST, 21ST: DAILY AVG WIND SPEED CONTAINS 4 HRS OF ESTIMATED WIND SPEEDS DUE TO ICE/WATER IN TP LINE OF PITOT.
2ND: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED WIND SPEEDS DUE TO ICE IN TP LINE OF PITOT.
4TH, 28TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT.
18TH: PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM BLOWING SNOW.
20TH, 22ND, 24TH, 25TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT.
21ST: PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM EXCESSIVE RIME ICE.
23RD: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED WIND SPEEDS DUE TO WINDS TOO LIGHT FOR PITOT TO VANE CORRECTLY.
26TH: DAILY AVG WIND SPEED CONTAINS 3 HRS OF ESTIMATED WIND SPEEDS DUE TO ICE IN TP LINE OF PITOT.
26TH: PRECIP AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNTS IN CAN FROM BLOWING SNOW.
27TH: DAILY AVERAGE WIND SPEED CONTAINS 7 HOURS OF ESTIMATED SPEEDS DUE TO WATER/ICE IN TP LINE OF PITOT.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
94	88	89	94	91

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE **261** HOURS OF PREVAILING WINDS FROM THE **NW**, **35%** OF THE TOTAL HOURS OF THE MONTH.