WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: MARCH | 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	21	13	17	9	8	48	0	**1.26**	**8.2**	36	29.3	61	N	0	0	10	1269
2	22	15	19	10	9	46	0	0.00	0.0	36	14.1	46	N	530	77	9	1269
3	18	10	14	10	4	51	0	0.00	0.0	36	18.8	38	NE	10	1	10	1269
4	17	8	13	10	3	52	0	0.02	0.3	36	33.5	52	NE	50	7	10	1269
5	19	11	15	11	4	50	0	0.00	0.0	36	28.7	44	NE	694	100	5	9
6	24	13	19	11	8	46	0	0.00	0.0	35	36.0	65	NW	698	100	3	9
7	22	14	18	11	7	47	0	0.00	0.0	29	39.9	65	W	449	64	5	1269
8	20	8	14	11	3	51	0	0.00	0.0	28	58.0	85	W	75	11	9	1269
9	11	4	8	12	-4	57	0	0.00	0.0	25	43.1	67	N	434	61	6	1269
10	24	6	15	12	3	50	0	0.00	0.0	24	26.5	39	NW	710	100	1	
11	29	20	25	12	13	40	0	0.00	0.0	24	21.0	38	W	701	98	5	
12	37	21	29	13	16	36	0	T	T	23	11.9	28	SE	205	29	9	126
13	24	12	18	13	5	47	0	0.00	0.0	23	44.0	78	E	554	77	10	126
14	26	19	23	13	10	42	0	2.61	7.2	23	68.3	94	E	0	0	10	12469
15	23	16	20	13	7	45	0	3.29	10.4	29	53.2	84	E	0	0	10	12469
16	28	19	24	14	10	41	0	0.00	0.0	30	23.7	38	NE	728	100	1	9
17	26	22	24	14	10	41	0	0.00	0.0	30	38.6	65	NW	731	100	4	9
18	28	20	24	14	10	41	0	0.00	0.0	30	40.9	64	NW	105	14	9	1269
19	34	24	29	14	15	36	0	0.00	0.0	28	26.5	48	W	685	93	5	126
20	32	18	25	15	10	40	0	0.00	0.0	26	45.6	64	W	0	0	10	1269
21	32	21	27	15	12	38	0	T	T	25	33.0	57	W	46	6	9	1269
22	36	30	33	15	18	32	0	0.07	0.0	25	**23.1**	40	W	10	1	10	12
23	35	24	30	16	14	35	0	0.49	1.0	20	**22.7**	51	E	0	0	10	1246
24	24	10	17	16	1	48	0	0.25	1.6	20	**48.6**	92	NW	0	0	10	12469
25	26	13	20	16	4	45	0	0.14	0.8	20	30.4	59	NW	535	71	8	1269
26	21	-3	9	16	-7	56	0	**0.09**	**0.6**	21	**43.3**	67	NW	580	77	8	1269
27	20	-3	9	17	-8	56	0	0.00	0.0	20	36.6	57	NW	762	100	4	
28	22	9	16	17	-1	49	0	0.10	0.4	20	33.9	63	S	522	68	10	1269
29	33	21	27	17	10	38	0	1.24	2.7	21	**38.4**	80	S	0	0	10	12469
30	32	25	29	17	12	36	0	0.68	T	21	41.4	90	E	0	0	10	1246
31	35	26	31	18	13	34	0	0.08	T	21	**24.6**	73	E	15	2	10	1246
SUM	801	466	----	----	----	1374	0	10.32	33.2	----	1077.6	----	----	9829	----	240	----
AVG	25.8	15.0	----	----	----	----	----	----	----	----	34.8	FASTEST	DIR	POSS	%		----
											MISC. ->	94	E	22568	44%	7.7	----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	20.4	
DEPARTURE FROM NORMAL	6.8	
HIGHEST	37	on 12th
LOWEST	-3	on 26th, 27th

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	25
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	31
MIN. 0 OR BELOW	2

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	1374
DEPARTURE FROM NORMAL	-219
SEASON TOTAL	10430
DEPARTURE FROM NORMAL	-552

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	10.32	
DEPARTURE FROM NORMAL	0.90	
24 HOUR MAX	4.66	on 14th/15th

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	33.2	
24 HOUR MAX	14.3	on 14th/15th
MAX DEPTH ON GROUND	37	on 1st

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	30.430	on 27th
LOWEST SEA-LEVEL	29.350	on 24th
AVG STATION	23.561	

WEATHER

NUMBER OF DAYS:	
CLEAR (SCALE 0-3)	3
PARTLY CLOUDY (SCALE 4-7)	7
CLOUDY (SCALE 8-10)	21
WITH .01" OR MORE PRECIP	13
WITH .10" OR MORE PRECIP	9
WITH .50" OR MORE PRECIP	5
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, 26TH:** PRECIP AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN PRECIPITATION CAN
22ND: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO PITOT VANED WRONG DIRECTION.
23RD: DAILY AVG WIND SPEED CONTAINS 10 HRS OF ESTIMATED SPEEDS DUE TO LIGHT WINDS & WATER IN TP LINE OF PITOT.
24TH: DAILY AVG WIND SPEED CONTAINS 4 HRS OF ESTIMATED SPEEDS DUE TO ICE/WATER IN TP/SP LINE OF PITOT.
26TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO LEAK IN PITOT TUBING.
29TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO WATER IN TP LINE OF PITOT.
31ST: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO LIGHT WINDS/PITOT VANED INCORRECTLY.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
75	81	80	80	79

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE **196** HOURS OF PREVAILING WINDS FROM THE **NW**, **26%** OF THE TOTAL HOURS OF THE MONTH.