

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											APRIL				2011			
LATITUDE					LONGITUDE						GROUND ELEVATION (H)				STANDARD TIME			
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST						6280 FT				EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)				SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	23	9	16	18	-2	49	0	1.37	10.9	27	33.0	89	NW	0	0	10	1269	
2	18	9	14	18	-4	51	0	0.21	1.5	30	64.0	105	N	0	0	10	1269	
3	14	6	10	19	-9	55	0	0.00	0.0	28	58.7	88	W	609	78	5	1269	
4	40	13	27	19	8	38	0	1.22	2.0	27	38.1	77	SW	15	2	10	12469	
5	40	11	26	19	7	39	0	0.29	1.1	27	61.4	101	W	0	0	10	1269	
6	12	4	8	19	-11	57	0	0.21	2.4	25	56.2	95	W	0	0	10	1269	
7	16	6	11	20	-9	54	0	0.00	0.0	25	37.8	58	NW	795	100	1	1269	
8	20	9	15	20	-5	50	0	0.00	0.0	24	24.5	45	NW	781	98	5	1	
9	27	17	22	20	2	43	0	0.00	0.0	23	30.2	57	W	629	78	8		
10	35	25	30	21	9	35	0	0.26	0.0	22	22.3	41	S	515	64	8	126	
11	48	33	41	21	20	24	0	0.62	0.0	19	52.7	95	W	0	0	10	123	
12	34	20	27	21	6	38	0	0.01	0.1	9	46.0	105	W	590	73	9	1269	
13	36	18	27	22	5	38	0	0.35	0.2	9	39.8	64	SE	0	0	10	12469	
14	31	11	21	22	-1	44	0	0.01	0.1	9	49.8	77	NW	350	43	9	126	
15	19	8	14	22	-8	51	0	0.00	0.0	9	28.3	55	NW	819	100	1		
16	20	9	15	23	-8	50	0	0.62	2.7	9	43.0	102	SE	170	21	10	12469	
17	32	14	23	23	0	42	0	1.43	4.2	12	53.2	89	SE	180	22	9	12469	
18	23	11	17	24	-7	48	0	0.08	0.8	13	56.9	91	W	125	15	10	1269	
19	29	15	22	24	-2	43	0	0.03	0.2	13	31.0	63	W	490	59	8	1269	
20	38	14	26	24	2	39	0	0.51	0.3	13	43.5	89	W	0	0	10	12346	
21	24	6	15	25	-10	50	0	0.26	1.3	13	66.6	115	W	0	0	10	1269	
22	25	12	19	25	-6	46	0	0.00	0.0	13	24.1	62	NW	791	94	6	1269	
23	38	14	26	26	0	39	0	0.40	2.1	14	49.3	83	W	10	1	10	1269	
24	37	28	33	26	7	32	0	T	0.0	11	52.3	93	W	0	0	10	126	
25	39	27	33	27	6	32	0	0.13	0.2	11	21.7	37	W	185	22	10	1246	
26	48	38	43	27	16	22	0	0.54	0.0	8	38.5	72	W	0	0	10	12	
27	53	41	47	27	20	18	0	0.35	0.0	7	36.5	73	W	175	20	10	12	
28	51	30	41	28	13	24	0	1.00	0.0	4	42.9	89	SW	30	4	10	12	
29	37	24	31	28	3	34	0	0.03	0.5	1	35.6	58	W	462	54	6	126	
30	30	22	26	29	-3	39	0	0.02	0.2	2	28.8	42	N	694	81	5	126	
SUM	937	504	----	----	----	1224	0	9.95	30.8	----	1266.7	----	----	8415	----	250	----	
AVG	31.2	16.8	----	----	----	----	----	----	----	----	42.2	FASTEST	DIR	POSS	%		----	
											MISC. ->	115	W	24607	34%	8.3	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	24.0	TOTAL FOR THE MONTH	9.95	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.1	DEPARTURE FROM NORMAL	1.52			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	53 on 27th	24 HOUR MAX	2.01 on 16th/17th	CLEAR (SCALE 0-3)	2	3 = THUNDER	
LOWEST	4 on 6th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	5	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	30.8	CLOUDY (SCALE 8-10)	23	5 = HAIL	
MAX. 32 OR BELOW	16	24 HOUR MAX	11.1 on 1st/2nd	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	33 on 1st	WITH .10" OR MORE PRECIP	17	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	27			WITH .50" OR MORE PRECIP	8	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	4	8 = SMOKE OR HAZE	
						9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.592 on 22nd				
		LOWEST SEA-LEVEL	29.138 on 1st				
TOTAL THIS MONTH	1224	AVG STATION	23.614				
DEPARTURE FROM NORMAL	-39						
SEASON TOTAL	12155						
DEPARTURE FROM NORMAL	-90						

NOTES:

1ST: PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO AN UNREALISTIC AMOUNT (TOO LOW) AT ONE COLLECTION AND THE CAN COMPLETELY BURIED UNDER A SNOW DRIFT AT ANOTHER COLLECTION.

2ND: PRECIPITATION & SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT IN CAN AT COLLECTION TIME.

6TH, 22ND, 28TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED WIND SPEED DUE TO WATER IN TP LINE OF PITOT

18TH, 21ST: PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM BLOWING SNOW.

23RD: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO WATER IN TP LINE OF PITOT.

24TH: PRECIPITATION PARTIALLY ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM WET FOG.

25TH: SNOWFALL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION.

27TH: DAILY AVG WIND CONTAINS 2 HOURS OF SPEEDS FROM HAYES CHART DUE TO UNINTENTIONAL ODIN (DATABASE) SHUTDOWN RESULTING IN LACK OF DATA FOR A SIGNIFICANT PORTION OF THE HOURS; ANOTHER HOUR ESTIMATED DUE TO WATER IN TOP LINE OF PITOT.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
89	85	85	84	85

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 308 HOURS OF PREVAILING WINDS FROM THE W 41% OF THE TOTAL HOURS OF THE MONTH.

