

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH			YEAR				
											MARCH			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.	
						DEGREE DAYS			TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE					
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL					SPEED	SPEED	DIR	TOTAL	% POSS		
1	10	-7	2	9	-7	63	0	0.20	1.1	18	58.0	112	NW	414	61	5	1269	
2	11	-21	-5	10	-15	70	0	0.22	3.4	18	62.9	109	W	0	0	10	1269	
3	2	-23	-10	10	-20	75	0	0.00	0.0	19	58.3	101	NW	682	99	1	1269	
4	24	1	13	10	3	52	0	T	0.2	19	28.2	60	SW	628	91	6	1269	
5	30	14	22	11	11	43	0	0.03	0.2	19	48.2	99	SW	0	0	10	12469	
6	32	22	27	11	16	38	0	1.01	5.1	19	37.6	79	SW	0	0	10	12469	
7	32	-5	14	11	3	51	0	1.03	7.2	28	45.3	110	NW	0	0	10	12469	
8	14	3	9	11	-2	56	0	0.00	0.0	28	29.6	73	NW	704	100	4	9	
9	19	8	14	12	2	51	0	0.00	0.0	28	21.0	63	S	442	63	8		
10	22	8	15	12	3	50	0	0.40	2.3	27	57.0	78	SE	0	0	10	12469	
11	35	18	27	12	15	38	0	0.37	1.3	28	55.2	104	SE	0	0	10	12469	
12	24	14	19	13	6	46	0	0.01	0.2	27	43.2	74	W	0	0	10	126	
13	21	9	15	13	2	50	0	0.07	0.9	28	38.9	62	NW	0	0	10	1269	
14	19	8	14	13	1	51	0	0.00	0.0	28	11.3	37	NW	310	43	9	126	
15	22	8	15	13	2	50	0	0.00	0.0	28	18.1	39	W	698	96	3		
16	28	19	24	14	10	41	0	0.06	0.5	27	39.8	61	SW	0	0	10	1269	
17	28	18	23	14	9	42	0	0.00	0.0	28	48.7	76	NW	530	73	6	126	
18	36	14	25	14	11	40	0	0.14	T	27	76.4	122	W	130	18	10	12469	
19	15	2	9	14	-5	56	0	0.07	1.0	27	26.4	60	NW	305	41	8	1269	
20	16	2	9	15	-6	56	0	0.00	0.0	27	12.5	28	W	712	96	3		
21	18	7	13	15	-2	52	0	0.26	3.8	27	31.2	63	S	10	1	10	1269	
22	16	3	10	15	-5	55	0	0.18	2.4	29	38.3	60	NW	0	0	10	1269	
23	12	-4	4	16	-12	61	0	T	T	30	16.5	51	NW	638	85	6	1269	
24	12	2	7	16	-9	58	0	0.30	7.8	30	15.8	39	NW	50	7	10	1269	
25	9	-5	2	16	-14	63	0	0.26	4.0	36	41.6	69	W	14	2	10	1269	
26	1	-6	-2	16	-18	67	0	0.09	0.9	34	67.1	105	NW	0	0	10	1269	
27	1	-9	-4	17	-21	69	0	0.00	0.0	33	72.8	94	W	745	98	3	1269	
28	4	-6	-1	17	-18	66	0	T	T	27	58.2	91	W	15	2	10	1269	
29	11	2	7	17	-10	58	0	T	T	26	37.8	57	NW	75	10	10	1269	
30	18	8	13	17	-4	52	0	0.00	0.0	26	33.6	66	NW	470	61	5	1269	
31	21	12	17	18	-1	48	0	0.01	0.3	26	11.8	30	E	180	23	10	126	
SUM	563	116	----	----	----	1668	0	4.71	42.6	----	1241.3	----	----	7752	----	247	----	
AVG	18.2	3.7	----	----	----	----	----	----	----	----	40.0	FASTEST	DIR	POSS	%		----	
												122	W	22568	34%	8.0	----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	11.0	TOTAL FOR THE MONTH	4.71	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.6	DEPARTURE FROM NORMAL	-4.71			2 = FOG REDUCING VISIBILITY	
HIGHEST	36 on 18th	24 HOUR MAX	1.78 on 6th/7th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	-23 on 3rd			PARTLY CLOUDY (SCALE 4-7)	6		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	29	TOTAL FOR THE MONTH	42.6	WITH .10" OR MORE PRECIP	11	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	24 HOUR MAX	11.4 on 6th/7th	WITH .50" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	31	MAX DEPTH ON GROUND	36 on 25th	WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	9					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.704 on 9th				
		LOWEST SEA-LEVEL	29.650 on 24th				
TOTAL THIS MONTH	1668	AVG STATION	23.601				
DEPARTURE FROM NORMAL	75						
SEASON TOTAL	10931						
DEPARTURE FROM NORMAL	-51						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
81	83	84	80	82

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 259 HOURS OF PREVAILING WINDS FROM THE NW 35% OF THE TOTAL HOURS OF THE MONTH.