

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH FEBRUARY					YEAR 2007				
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 (TENTHS)	WEATHER OCCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS				
1	7	-6	1	5	-4	64	0	0.00	0.0	11	40.0	77	W	20	3	10	1269		
2	17	4	11	5	6	54	0	0.22	2.3	11	25.2	48	SW	0	0	10	1269		
3	11	-11	0	5	-5	65	0	0.23	1.8	13	57.7	92	NW	0	0	10	1269		
4	-9	-20	-14	5	-19	79	0	0.02	0.1	12	56.7	84	W	65	11	9	1269		
5	-20	-26	-23	5	-28	88	0	0.04	0.4	12	87.1	127	NW	5	1	10	1269		
6	-9	-24	-16	5	-21	81	0	0.00	0.0	12	78.5	117	NW	157	26	9	1269		
7	-10	-19	-14	5	-19	79	0	0.07	0.9	11	55.0	100	NW	0	0	10	1269		
8	-7	-17	-12	5	-17	77	0	0.07	0.7	11	67.5	102	W	0	0	10	1269		
9	-8	-19	-13	5	-18	78	0	0.13	1.3	12	70.1	107	NW	0	0	10	1269		
10	0	-12	-6	6	-12	71	0	0.05	0.8	11	61.2	87	NW	0	0	10	1269		
11	1	-13	-6	6	-12	71	0	0.00	0.0	11	48.8	81	NW	180	29	9	1269		
12	-2	-25	-13	6	-19	78	0	0.09	1.0	11	65.1	95	W	125	20	9	1269		
13	14	-25	-5	6	-11	70	0	T	T	11	45.9	96	NW	577	91	8	1269		
14	20	-15	3	6	-3	62	0	1.53	11.1	13	38.3	102	E	0	0	10	1269		
15	-15	-23	-19	6	-25	84	0	0.84	3.8	15	90.8	118	W	0	0	10	1269		
16	-2	-23	-12	7	-19	77	0	0.00	0.0	12	99.9	124	W	0	0	10	1269		
17	9	-4	3	7	-4	62	0	0.07	0.7	11	53.5	106	NW	75	12	9	1269		
18	10	-18	-4	7	-11	69	0	0.14	3.6	12	24.3	44	NW	5	1	10	1269		
19	5	-24	-9	7	-16	74	0	T	T	13	58.3	91	NW	600	92	1	1269		
20	17	1	9	7	2	56	0	0.02	0.4	12	53.5	83	W	0	0	10	1269		
21	15	-5	5	8	-3	60	0	0.03	0.2	12	61.9	94	NW	0	0	10	1269		
22	17	-3	7	8	-1	58	0	0.03	1.1	12	32.6	76	NW	210	32	9	126		
23	13	-16	-1	8	-9	66	0	0.02	0.6	13	54.4	99	NW	170	26	8	1269		
24	15	0	8	8	0	57	0	0.00	0.0	12	57.4	97	NW	442	66	6	1269		
25	15	8	12	9	3	53	0	T	T	12	33.1	63	NW	652	97	4	1269		
26	16	8	12	9	3	53	0	0.00	0.0	11	9.8	26	NW	515	77	5			
27	18	7	13	9	4	52	0	T	T	11	7.4	18	W	595	88	3			
28	11	1	6	9	-3	59	0	T	T	11	27.0	49	W	287	42	7	126		
SUM	149	-319	----	----	----	1897	0	3.60	30.8	----	1461.0	----	----	4680	----	236	----		
AVG	5	-11	----	----	----	----	----	----	----	----	52.2	FASTEST	DIR	POSS	%	8.4	----		
											MISC. ->	127	NW	17905	26%		----		

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	-3.1	TOTAL FOR THE MONTH	3.60	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-9.7	DEPARTURE FROM NORMAL	-3.73	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	20 on 14th	24 HOUR MAX	2.03 on 14th/15th	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
LOWEST	-26 on 5th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	30.8	WITH .01" OR MORE PRECIP	17	5 = HAIL	
MAX. 32 OR BELOW	28	24 HOUR MAX	12.3 on 14th/15th	WITH .10" OR MORE PRECIP	6	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	21 on 14th	WITH .50" OR MORE PRECIP	2	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	28			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	22	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.348 on 13th			X = TORNADO	
TOTAL THIS MONTH	1897	LOWEST SEA-LEVEL	29.093 on 14th				
DEPARTURE FROM NORMAL	261	AVG STATION	23.1750				
SEASON TOTAL	9086						
DEPARTURE FROM NORMAL	-303						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
87	89	83	87	87

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 291 HOURS OF PREVAILING WINDS FROM THE W, 39% OF THE TOTAL HOURS OF THE MONTH.