

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											FEBRUARY				2013			
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	-5	-15	-10	5	-15	75	0	0.15	0.9	7	69.3	113	W	0	0	10	1269	
2	-4	-17	-10	5	-15	75	0	0.08	1.5	7	40.0	75	NW	153	25	9	126	
3	3	-7	-2	5	-7	67	0	T	0.3	8	12.5	28	W	199	33	8	126	
4	-5	-18	-11	5	-16	76	0	0.28	2.7	9	54.5	83	W	0	0	10	1269	
5	0	-19	-9	5	-14	74	0	0.01	0.2	9	45.2	80	NW	602	98	4	126	
6	4	-18	-7	5	-12	72	0	0.09	1.5	10	55.5	93	NW	0	0	10	1269	
7	2	-18	-8	5	-13	73	0	0.01	0.4	9	46.5	87	NW	570	92	4	126	
8	3	-3	0	5	-5	65	0	0.59	13.8	7	28.5	55	E	0	0	10	1269	
9	6	-9	-1	5	-6	66	0	0.47	10.3	10	50.3	88	NE	0	0	10	1269	
10	20	-1	10	5	5	55	0	T	T	7	41.8	81	N	627	100	4	1269	
11	27	14	21	6	15	44	0	0.29	3.3	5	42.2	77	S	0	0	10	1269	
12	16	8	12	6	6	53	0	0.08	1.8	6	68.2	96	W	0	0	10	1269	
13	11	5	8	6	2	57	0	0.03	0.4	6	31.1	74	NW	40	6	10	1269	
14	15	4	10	6	4	55	0	T	0.1	6	18.7	34	NW	568	89	3	126	
15	19	9	14	6	8	51	0	0.04	0.5	6	35.4	64	W	0	0	10	126	
16	12	2	7	6	1	58	0	0.03	0.6	7	18.3	51	W	40	6	9	126	
17	4	-16	-6	6	-12	71	0	0.60	3.6	8	50.8	99	NW	0	0	10	1269	
18	12	-19	-3	7	-10	68	0	0.00	0.0	9	87.3	129	NW	224	34	8	1269	
19	27	11	19	7	12	46	0	0.19	1.5	9	41.5	75	NW	235	36	9	1269	
20	20	-2	9	7	2	56	0	0.50	5.2	11	49.3	102	NW	0	0	10	1269	
21	11	-10	1	7	-6	64	0	0.23	3.1	11	48.0	95	NW	10	2	10	1269	
22	23	10	17	7	10	48	0	0.00	0.0	11	20.5	54	N	556	84	5	129	
23	22	12	17	7	10	48	0	0.08	2.5	11	24.2	40	SW	5	1	10	1269	
24	26	12	19	8	11	46	0	0.38	6.0	12	17.5	38	N	0	0	10	1269	
25	17	10	14	8	6	51	0	0.03	0.6	14	16.1	41	N	365	54	6	1269	
26	26	10	18	8	10	47	0	0.00	0.0	13	10.5	25	S	180	27	9	126	
27	25	11	18	8	10	47	0	1.48	12.7	13	50.1	95	E	0	0	10	1269	
28	27	13	20	8	12	45	0	0.16	2.7	21	17.0	73	SE	140	21	9	1269	
SUM	364	-41	----	----	----	1653	0	5.80	76.2	----	1090.8	----	----	4514	----	237	----	
AVG	13.0	-1.5	----	----	----	----	----	----	----	----	39.0	FASTEST	DIR	POSS	%	8.5	----	
											MISC. ->	129	NW	17905	25%		----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	5.8	TOTAL FOR THE MONTH	5.80	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.3	DEPARTURE FROM NORMAL	-0.97	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	27 on 11th, 19th, 28th	24 HOUR MAX	1.59 on 27th/28th	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	-19 on 5th, 18th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	76.2	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	28	24 HOUR MAX	19.2 on 8th/9th	WITH .10" OR MORE PRECIP	12	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	21 on 28th	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	28	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	14	HIGHEST SEA-LEVEL	30.443 on 10th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.338 on 17th			X = TORNADO	
TOTAL THIS MONTH	1653	AVG STATION	23.430				
DEPARTURE FROM NORMAL	5						
SEASON TOTAL	8781						
DEPARTURE FROM NORMAL	-565						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:				
9,11,12, 13TH: DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLE AMOUNTS OF SNOW IN CAN FROM BLOWING SNOW/RIME.				
18TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.				
24TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEEDS DUE TO LOW WINDS.				

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
82	85	86	86	85

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 211 HOURS OF PREVAILING WINDS FROM THE NW, 31% OF THE TOTAL HOURS OF THE MONTH.