

WS FORM F-6												STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA												MONTH NOVEMBER				YEAR 2013					
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6280 FT				STANDARD TIME EASTERN					
TEMPERATURE (°F)						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	47	30	39	25	14	26	0	0.65	0.0	T	66.7	130	SW	5	1	10	126				
2	30	23	27	25	2	38	0	0.05	0.5	0	32.1	66	W	75	12	9	126				
3	25	3	14	25	-11	51	0	T	T	1	24.0	40	NW	485	78	6	126				
4	25	6	16	24	-8	49	0	0.00	0.0	T	15.0	40	NW	617	100	1					
5	30	19	25	24	1	40	0	0.00	0.0	T	28.9	47	W	540	88	5	126				
6	40	29	35	24	11	30	0	0.00	0.0	0	35.1	72	W	365	60	8	126				
7	39	11	25	24	1	40	0	0.60	0.3	0	54.5	80	W	0	0	10	1246				
8	13	8	11	23	-12	54	0	0.33	2.2	T	64.3	98	NW	0	0	10	1269				
9	21	7	14	23	-9	51	0	0.18	1.5	1	48.9	98	W	75	12	10	1269				
10	24	15	20	23	-3	45	0	0.62	4.4	2	39.5	72	NW	0	0	10	1269				
11	18	11	15	22	-7	50	0	0.63	4.5	4	52.6	87	NW	260	43	8	1269				
12	18	-2	8	22	-14	57	0	0.59	4.3	6	55.8	86	W	0	0	10	1269				
13	15	-4	6	22	-16	59	0	0.09	0.7	7	55.2	78	NW	405	68	6	1269				
14	25	9	17	21	-4	48	0	0.00	0.0	7	56.5	82	W	9	2	10	1269				
15	30	18	24	21	3	41	0	0.00	0.0	6	53.0	83	W	520	88	8	9				
16	31	24	28	21	7	37	0	0.00	0.0	6	20.1	35	SW	443	75	5					
17	41	25	33	20	13	32	0	0.28	0.0	6	38.3	75	S	50	9	10	126				
18	41	17	29	20	9	36	0	0.76	0.5	2	56.9	97	SW	15	3	10	1246				
19	17	1	9	20	-11	56	0	0.25	3.3	2	77.2	112	W	0	0	10	126				
20	27	1	14	19	-5	51	0	0.05	1.1	3	43.0	89	NW	579	100	3	126				
21	30	17	24	19	5	41	0	0.00	0.0	2	18.1	48	SW	492	85	6	1				
22	28	21	25	19	6	40	0	0.37	1.5	2	33.8	65	W	0	0	10	12469				
23	25	-6	10	18	-8	55	0	0.56	5.6	3	51.9	88	NW	0	0	10	1269				
24	-6	-15	-10	18	-28	75	0	0.16	1.7	6	85.5	126	NW	0	0	10	1269				
25	14	-16	-1	18	-19	66	0	T	0.3	6	62.6	98	NW	559	98	5	126				
26	27	6	17	17	0	48	0	0.11	1.4	6	40.3	67	W	0	0	10	126				
27	41	11	26	17	9	39	0	2.16	8.7	8	46.3	103	SE	0	0	10	1246				
28	11	-9	1	16	-15	64	0	0.25	1.8	3	65.1	95	W	15	3	10	1269				
29	-5	-10	-7	16	-23	72	0	0.00	0.0	3	33.6	61	W	475	85	4	1269				
30	14	-6	4	16	-12	61	0	0.05	0.9	3	25.3	58	W	537	96	4	126				
SUM	736	244	----	----	----	1452	0	8.74	45.2	----	1380.1	----	----	6521	----	238	----	----	----		
AVG	24.5	8.1	----	----	----	----	----	----	----	----	46.0	FASTEST	DIR	POSS	%						
											MISC. ->	130	SW	17696	37%	7.9					

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	16.3	TOTAL FOR THE MONTH	8.74	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-4.4	DEPARTURE FROM NORMAL	-1.11			2 = FOG REDUCING VISIBILITY	
HIGHEST	47 on 1st	24 HOUR MAX	2.16 on 27th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-16 on 25th			PARTLY CLOUDY (SCALE 4-7)	8		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	20	3 = THUNDER	
NUMBER OF DAYS WITH:						4 = ICE PELLETS	
		TOTAL FOR THE MONTH	45.2	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	24	24 HOUR MAX	9.2 on 26th/27th	WITH .10" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	8 on 27th	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	30			WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	8	PRESSURE DATA (IN.)				8 = SMOKE OR HAZE	
		HIGHEST SEA-LEVEL	30.712 on 5th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.216 on 27th			X = TORNADO	
		AVG STATION	23.653				
TOTAL THIS MONTH	1452						
DEPARTURE FROM NORMAL	123						
SEASON TOTAL	4057						
DEPARTURE FROM NORMAL	-70						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:
5TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.
7TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.
8TH: DAILY AVERAGE WIND SPEED CONTAINS 7 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) - 2 HOURS DUE TO WATER/ICE IN PITOT LINES; 5 HOURS DUE TO DATABASE MAINTENANCE.
11TH: DAILY AVERAGE WIND SPEED CONTAINS 6 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.
13TH, 24TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW.
17TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO BLOWING SNOW/FALLING CHUNKS OF RIME IN PRECIPITATION CAN.
18TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO FROZEN LIQUID PRECIPITATION IN CAN.
22ND: DAILY AVERAGE WIND SPEED CONTAINS 7 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.
23RD: DAILY AVERAGE WIND SPEED CONTAINS 7 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART AND "SETRA" DATABASE) DUE TO DATABASE MAINTENANCE.
24TH: NEW DAILY RECORD LOW OF -15°F; PREVIOUS RECORD OF -13°F SET IN 1956.
25TH: NEW DAILY RECORD LOW OF -16°F; PREVIOUS RECORD OF -11°F SET IN 2005.
25TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO SUSPECTED ICE CLOG IN PITOT SYSTEM.
27TH: DAILY AVERAGE SNOWFALL PARTIALLY ESTIMATED DUE TO COMPACTION OF SNOW FROM FREEZING RAIN.

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
79	77	82	82	80

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 333 HOURS OF PREVAILING WINDS FROM THE W. 46% OF THE TOTAL HOURS OF THE MONTH.