

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH DECEMBER			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-7AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	21	9	15	15	0	50	0	0.10	1.7	4	34.9	75	SW	0	0	10	126	
2	25	19	22	15	7	43	0	0.04	0.6	5	18.2	30	SW	75	13	10	126	
3	28	10	19	14	5	46	0	0.09	0.8	5	25.1	61	NW	463	83	5	126	
4	28	9	19	14	5	46	0	0.09	0.7	5	50.0	72	NW	555	100	4	1269	
5	41	26	34	14	20	31	0	0.13	0.0	5	42.9	81	SW	0	0	10	126	
6	38	6	22	13	9	43	0	0.41	T	1	54.9	85	W	10	2	10	1246	
7	10	-4	3	13	-10	62	0	0.05	0.6	1	55.9	85	NW	0	0	10	1269	
8	12	-6	3	13	-10	62	0	0.00	0.0	1	46.3	76	NW	135	25	9	126	
9	21	2	12	12	0	53	0	0.38	4.1	2	38.3	75	W	0	0	10	12469	
10	13	-6	4	12	-8	61	0	0.12	2.9	3	54.2	91	W	0	0	10	1269	
11	0	-12	-6	11	-17	71	0	0.51	7.2	4	44.1	72	W	0	0	10	1269	
12	-9	-20	-14	11	-25	79	0	0.07	0.6	7	56.3	83	W	200	37	8	1269	
13	-9	-22	-15	11	-26	80	0	0.24	1.8	6	51.0	86	W	0	0	10	1269	
14	9	-19	-5	10	-15	70	0	0.07	1.7	7	28.1	53	NW	265	49	9	126	
15	23	-5	9	10	-1	56	0	1.43	11.9	11	51.0	81	W	0	0	10	1269	
16	-2	-18	-10	10	-20	75	0	0.08	1.2	13	65.8	108	W	20	4	10	1269	
17	11	-9	1	9	-8	64	0	0.06	1.2	13	31.4	61	SW	311	57	6	1269	
18	11	0	6	9	-3	59	0	0.07	0.7	13	37.5	76	W	100	18	9	1269	
19	13	2	8	9	-1	57	0	0.08	0.9	13	61.3	87	W	65	12	10	1269	
20	31	12	22	9	13	43	0	0.32	1.0	13	51.0	91	W	0	0	10	1246	
21	38	30	34	8	26	31	0	0.67	0.0	11	48.7	80	W	0	0	10	126	
22	45	36	41	8	33	24	0	0.47	0.0	3	59.8	111	SW	0	0	10	12	
23	38	7	23	8	15	42	0	0.54	1.6	T	45.2	70	W	0	0	10	1246	
24	8	-18	-5	8	-13	70	0	0.00	0.0	1	52.2	77	W	477	88	5	126	
25	11	-22	-5	7	-12	70	0	0.00	0.0	1	28.3	74	NW	517	95	3	126	
26	8	-1	4	7	-3	61	0	0.46	6.6	1	39.9	63	NW	0	0	10	1269	
27	7	1	4	7	-3	61	0	0.19	3.9	4	53.3	76	W	0	0	10	1269	
28	19	4	12	7	5	53	0	0.03	0.4	6	61.4	88	W	0	0	10	1269	
29	28	18	23	6	17	42	0	1.21	13.2	6	36.3	75	W	0	0	10	1269	
30	22	-14	4	6	-2	61	0	0.07	0.9	16	61.6	95	NW	110	20	9	1269	
31	-1	-11	-6	6	-12	71	0	0.20	0.9	16	34.6	70	W	215	39	10	1269	
SUM	538	4	---	---	---	1737	0	8.18	67.1	---	1419.5	---	---	3518	---	277	---	
AVG	17.4	0.1	---	---	---	---	---	---	---	---	45.8	FASTEST	DIR	POSS	%		---	
											MISC. ->	111	SW	16968	21%	8.9	---	

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	8.8	TOTAL FOR THE MONTH	8.18	NUMBER OF DAYS:	1 = FOG		
DEPARTURE FROM NORMAL	-1.3	DEPARTURE FROM NORMAL	0.45	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
HIGHEST	45 on 22nd	24 HOUR MAX	1.43 on 15th	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
LOWEST	-22 on 13th, 25th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	67.1	WITH .01" OR MORE PRECIP	28	5 = HAIL	
MAX. 32 OR BELOW	26	24 HOUR MAX	14.1 on 29th/30th	WITH .10" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	18 29th	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	30	<u>PRESSURE DATA (IN.)</u>		WITH 1.0" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	16	HIGHEST SEA-LEVEL	30.603 on 8th			8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.471 on 15th			9 = BLOWING SNOW	
TOTAL THIS MONTH	1737	AVG STATION	23.541			X = TORNADO	
DEPARTURE FROM NORMAL	34						
SEASON TOTAL	5794						
DEPARTURE FROM NORMAL	-36						

NOTES:

5TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM BLOWING SNOW THAT MELTED INSIDE PRIOR TO COLLECTION.

10TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEED DUE TO SUSPECTED ICE "PINCH" IN PITOT SYSTEM.

10TH, 30TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW.

15TH, 26TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNTS IN CAN FROM HIGH WINDS.

16TH, 22ND: DAILY AVERAGE WIND SPEED CONTAINS 3 HRS OF SPEEDS FROM HAYS CHART DUE TO PLANNED DATABASE OUTAGES.

19TH: DAILY AVERAGE WIND SPEED CONTAINS 7 HRS OF SPEEDS FROM HAYS CHART AND 10 HRS FROM AN ALTERNATE DATABASE DUE TO PLANNED PRIMARY DATABASE OUTAGES.

20TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF SPEED FROM HAYS CHART AND 23 HRS FROM AN ALTERNATE DATABASE DUE TO PLANNED PRIMARY DATABASE OUTAGES.

21ST: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF SPEED FROM HAYS CHART AND 14 HRS FROM AN ALTERNATE DATABASE DUE TO PLANNED PRIMARY DATABASE OUTAGES.

22ND: NEW DAILY RECORD HIGH OF 45°F; PREVIOUS RECORD OF 44°F SET IN 1990.

30TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF SPEED FROM HAYS CHART DUE TO PLANNED DATABASE OUTAGE.

31ST: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW/HUNKS OF RIME ICE.

<u>AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR</u>					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 403 HOURS OF PREVAILING WINDS FROM THE W, 54% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
87	89	89	86	88	