

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH			YEAR				
											APRIL			2014				
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		SKY	WEATHER	
						DEGREE DAYS		TOTAL	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		(MINUTES)		COVER	OCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	(EQUIV)	ICE		SPEED	SPEED	DIR	TOTAL	% POSS	(TENTHS)		
1	29	17	23	18	5	42	0	0.00	0.0	27	32.5	73	030 (NE)	729	94	4	126	
2	31	17	24	19	5	41	0	0.00	0.0	27	32.8	54	270 (W)	480	62	6	12	
3	25	10	18	19	-1	47	0	0.05	0.4	26	36.6	63	300 (NW)	300	38	8	126	
4	36	15	26	19	7	39	0	0.19	0.2	26	24.3	67	160 (S)	584	74	6	1246	
5	29	8	19	20	-1	46	0	0.23	2.0	25	52.2	103	290 (W)	0	0	10	12469	
6	21	7	14	20	-6	51	0	0.05	0.5	25	57.8	96	290 (W)	489	62	5	1269	
7	31	19	25	21	4	40	0	0.44	3.3	25	35.3	89	150 (SE)	470	59	8	1269	
8	38	18	28	21	7	37	0	1.22	4.1	25	53.2	98	150 (SE)	35	4	10	12469	
9	21	4	13	21	-8	52	0	0.03	0.3	19	62.3	89	310 (NW)	248	31	8	1269	
10	32	6	19	22	-3	46	0	0.14	0.3	19	44.6	87	260 (W)	740	92	5	46	
11	33	23	28	22	6	37	0	T	0.2	19	43.6	91	270 (W)	400	50	9	126	
12	31	20	26	23	3	39	0	0.00	0.0	19	38.3	68	280 (W)	663	82	5		
13	43	22	33	23	10	32	0	0.15	0.6	18	39.7	76	260 (W)	46	6	10	1269	
14	50	40	45	23	22	20	0	0.00	0.0	14	44.5	77	250 (W)	475	58	9	12	
15	44	9	27	24	3	38	0	2.13	0.8	6	40.1	83	200 (S)	0	0	10	1246	
16	18	-3	8	24	-16	57	0	0.23	1.1	2	56.9	92	320 (NW)	356	43	9	1269	
17	32	16	24	25	-1	41	0	0.00	0.0	2	14.1	36	170 (S)	826	100	6		
18	33	20	27	25	2	38	0	0.00	0.0	2	24.6	57	300 (NW)	685	83	9		
19	23	11	17	25	-8	48	0	0.09	0.8	2	47.9	78	310 (NW)	12	1	10	126	
20	36	11	24	26	-2	41	0	0.00	0.0	2	21.3	41	260 (W)	833	100	4		
21	44	30	37	26	11	28	0	0.00	0.0	2	30.7	55	270 (W)	395	47	8		
22	41	32	37	27	10	28	0	0.17	T	1	28.5	51	260 (W)	70	8	10	124	
23	32	15	24	27	-3	41	0	0.93	5.2	1	46.7	97	360 (N)	0	0	10	12469	
24	20	11	16	27	-11	49	0	0.34	2.1	4	63.0	106	360 (N)	0	0	10	1269	
25	34	15	25	28	-3	40	0	0.00	0.0	4	24.2	65	340 (N)	776	91	6	126	
26	27	20	24	28	-4	41	0	0.26	1.6	2	27.8	57	150 (SE)	0	0	10	126	
27	25	19	22	29	-7	43	0	0.20	1.2	3	23.9	67	020 (N)	30	4	10	1269	
28	29	19	24	29	-5	41	0	0.10	1.0	4	32.1	59	010 (N)	630	74	10	1246	
29	28	18	23	29	-6	42	0	0.00	0.0	4	36.5	54	130 (SE)	767	89	9	126	
30	32	19	26	30	-4	39	0	0.23	0.2	4	33.5	68	200 (S)	0	0	10	1246	
SUM	948	488	----	----	----	1224	0	7.18	25.9	----	1149.5	----	----	11039	----	244	----	
AVG	31.6	16.3	----	----	----	----	----	----	----	----	38.3	FASTEST	DIR	POSS	%	8.1	----	
											MISC. ->	106	360 (N)	24607	45%			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	23.9	TOTAL FOR THE MONTH	7.18	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.0	DEPARTURE FROM NORMAL	-0.26	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	50 on 14th	24 HOUR MAX	2.27 on 15th/16th	PARTLY CLOUDY (SCALE 4-7)	9	3 = THUNDER	
LOWEST	-3 on 16th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	25.9	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	19	24 HOUR MAX	7.1 on 23rd/24th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	27 on 1st, 2nd	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	29			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	1					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.775 on 17th				
		LOWEST SEA-LEVEL	29.396 on 8th				
TOTAL THIS MONTH	1224	AVG STATION	23.694				
DEPARTURE FROM NORMAL	-9						
SEASON TOTAL	12492						
DEPARTURE FROM NORMAL	296						

NOTES:

5TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS.

6TH, 27TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.

9TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF OBSERVER ESTIMATED WIND DUE TO ICE CLOG/WATER IN PITOT LINES

14TH: NEW DAILY RECORD HIGH OF 50°F; PREVIOUS RECORD OF 48°F SET IN 1968.

22ND: DAILY SNOWFALL TOTAL OBSERVER ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.

28TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF SPEEDS FROM A SECONDARY DATABASE DUE TO ERRONEOUS DATA REPORTING IN PRIMARY.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
76	78	81	82	79

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE HOURS 197 OF PREVAILING WINDS FROM THE W 27% OF THE TOTAL HOURS OF THE MONTH.

