

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MARCH				YEAR 2014				
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-7AM	AVG SPEED	FASTEST MILE	SPEED	DIR	TOTAL	% POSS		
1	11	-8	2	9	-7	63	0	0.00	0.0	20	48.8	77	270 (W)	343	50	9		
2	8	-16	-4	9	-13	69	0	0.06	0.7	20	49.4	90	270 (W)	0	0	10	1269	
3	-7	-18	-12	9	-21	77	0	0.00	0.0	20	49.8	67	300 (NW)	327	47	9	126	
4	-4	-12	-8	9	-17	73	0	0.08	0.6	20	38.4	59	310 (NW)	308	45	6	126	
5	0	-13	-6	10	-16	71	0	0.14	2.1	20	25.2	47	330 (NW)	10	1	10	1269	
6	11	-11	0	10	-10	65	0	0.00	0.0	20	16.5	43	350 (N)	698	100	0		
7	23	7	15	10	5	50	0	0.00	0.0	20	29.5	54	250 (W)	701	100	4	1	
8	22	1	12	10	2	53	0	0.02	0.2	20	41.3	67	290 (W)	65	9	10	126	
9	8	-5	2	11	-9	63	0	0.06	0.7	20	38.6	64	300 (NW)	589	83	6	1269	
10	21	-3	9	11	-2	56	0	0.14	1.7	20	33.5	53	240 (SW)	0	0	10	1269	
11	21	14	18	11	7	47	0	0.15	1.3	21	56.7	91	280 (W)	0	0	10	1269	
12	27	16	22	11	11	43	0	1.40	13.8	21	27.3	67	180 (S)	0	0	10	1269	
13	24	-17	4	12	-8	61	0	0.62	5.8	33	39.9	85	310 (NW)	15	2	10	1269	
14	23	-15	4	12	-8	61	0	0.03	0.5	30	51.3	78	270 (W)	326	45	6	1269	
15	25	2	14	12	2	51	0	0.41	3.0	27	57.2	89	290 (W)	0	0	10	1269	
16	4	-20	-8	13	-21	73	0	0.10	1.1	26	62.4	99	300 (NW)	0	0	10	1269	
17	1	-19	-9	13	-22	74	0	0.00	0.0	25	49.8	74	310 (NW)	731	100	5		
18	17	0	9	13	-4	56	0	0.00	0.0	25	31.8	58	320 (NW)	734	100	1		
19	23	11	17	14	3	48	0	0.29	4.2	25	28.0	69	190 (S)	225	31	9	1269	
20	25	8	17	14	3	48	0	0.97	9.8	26	52.3	91	280 (W)	0	0	10	12469	
21	10	3	7	14	-7	58	0	0.26	2.5	27	71.1	99	300 (NW)	0	0	10	1269	
22	20	4	12	15	-3	53	0	0.50	4.7	27	51.0	92	270 (W)	51	7	10	1269	
23	12	-15	-1	15	-16	66	0	0.19	2.3	29	49.5	80	290 (W)	166	22	9	1269	
24	-7	-17	-12	15	-27	77	0	0.00	0.0	29	52.9	73	320 (NW)	363	48	8	1269	
25	4	-9	-2	16	-18	67	0	0.00	0.0	29	18.1	47	280 (W)	509	67	6	1	
26	4	-13	-4	16	-20	69	0	0.20	1.4	29	48.2	104	310 (NW)	0	0	10	1269	
27	20	-15	3	16	-13	62	0	0.05	0.4	28	61.3	97	310 (NW)	615	81	5	126	
28	31	16	24	17	7	41	0	0.57	1.8	28	54.8	85	280 (W)	0	0	10	12469	
29	34	19	27	17	10	38	0	0.06	0.8	29	22.1	74	280 (W)	454	59	8	1246	
30	39	18	29	18	11	36	0	0.60	2.4	30	26.8	70	110 (E)	0	0	10	12469	
31	34	12	23	18	5	42	0	T	0.0	27	37.1	68	020 (N)	155	20	9	126	
SUM	484	-95	----	----	----	1811	0	6.90	61.8	----	1320.6	----	----	7385	----	250	----	----
AVG	15.6	-3.1	----	----	----	----	----	----	----	----	42.6	FASTEST	DIR	POSS	%		----	----
											MISC. ->	104	310 (NW)	22568	33%	8.1	----	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	6.3	TOTAL FOR THE MONTH	6.90	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-6.5	DEPARTURE FROM NORMAL	-0.77	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	39 on 30th	24 HOUR MAX	1.45 on 12th/13th	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	-20 on 16th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	61.8	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	28	24 HOUR MAX	14.4 on 12th/13th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	34 on 13th	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	18	HIGHEST SEA-LEVEL	30.585 on 6th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	28.969 on 13th			X = TORNADO	
TOTAL THIS MONTH	1811	AVG STATION	23.461				
DEPARTURE FROM NORMAL	194						
SEASON TOTAL	11268						
DEPARTURE FROM NORMAL	305						

COOLING DEGREE DAYS (BASE 65°F)	
TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

NOTES:	
1ST:	DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF SPEED FROM HAYS CHART DUE TO CONNECTIVITY ISSUES WITH DATABASE.
12TH:	DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF OBSERVER ESTIMATED SPEEDS DUE TO LOW WINDS NOT VANING PITOT.
14TH:	DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE BLOWING SNOW IN CAN.
16TH:	NEW DAILY RECORD LOW OF -20°F; PREVIOUS RECORD OF -19°F SET IN 1979.
20TH:	DAILY PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT OF SNOW IN CAN FROM HIGH WINDS.
21ST:	DAILY AVERAGE WIND SPEED CONTAIN 10HRS OF SPEEDS FROM HAYS CHART DUE TO DATABASE FAILURE.
21ST:	PEAK WIND SPEED DETERMINED USING HAYS CHART; DIRECTION IS DETERMINED USING PERSISTENCE METHOD.
29TH:	DAILY AVERAGE WIND SPEED CONTAINS 5 HRS OF ESTIMATED SPEEDS DUE TO PITOT NOT ABLE TO VANE INTO LIGHT WINDS AND RMYOUNG NOT RECORDING CORRECTLY.
30TH:	DAILY PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT OF SNOW IN CAN FROM HIGH WINDS AT ONE COLLECTION & SNOW MELTING PRIOR TO ONE COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
79	85	85	82	83

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 319 HOURS OF PREVAILING WINDS FROM THE W, 43% OF THE TOTAL HOURS OF THE MONTH.