

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MARCH				YEAR 2015			
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 SPEED	DIR	TOTAL	% POSS		
1	11	0	6	9	-3	59	0	0.03	0.9	14	34.4	58	290 (W)	65	10	10	126
2	5	-12	-3	9	-12	68	0	0.48	2.9	15	66.3	112	310 (NW)	0	0	10	1269
3	19	-13	3	9	-6	62	0	0.47	3.5	15	52.8	106	260 (W)	497	72	6	12369
4	16	3	10	9	1	55	0	0.04	0.4	16	65.5	107	260 (W)	0	0	10	1269
5	4	-17	-6	10	-16	71	0	0.15	0.9	16	51.8	91	320 (NW)	20	3	10	1269
6	-1	-17	-9	10	-19	74	0	0.00	0.0	16	35.1	58	330 (NW)	698	100	0	
7	5	-9	-2	10	-12	67	0	0.01	0.1	16	39.2	63	310 (NW)	104	15	9	126
8	7	0	4	10	-6	61	0	0.20	2.5	16	35.0	65	290 (W)	191	27	9	1269
9	12	2	7	11	-4	58	0	0.27	2.9	17	59.0	89	300 (NW)	155	22	9	1269
10	28	11	20	11	9	45	0	0.02	0.4	16	43.6	82	310 (NW)	435	61	9	1269
11	28	12	20	11	9	45	0	0.07	0.7	15	66.3	104	310 (NW)	30	4	10	1269
12	13	-9	2	11	-9	63	0	0.23	2.4	17	66.1	100	020 (N)	323	45	8	1269
13	16	-9	4	12	-8	61	0	0.01	0.3	16	49.8	91	330 (NW)	639	89	6	126
14	27	14	21	12	9	44	0	0.15	1.4	16	32.6	55	190 (S)	25	3	10	1246
15	24	-2	11	12	-1	54	0	0.80	7.5	17	38.5	80	360 (N)	0	0	10	12469
16	23	3	13	13	0	52	0	0.00	0.0	19	37.6	67	350 (N)	670	92	8	126
17	24	-10	7	13	-6	58	0	0.53	3.9	19	53.8	124	350 (N)	0	0	10	12469
18	-9	-17	-13	13	-26	78	0	0.02	0.3	18	84.7	112	300 (NW)	0	0	10	1269
19	5	-17	-6	14	-20	71	0	0.00	0.0	18	66.5	102	310 (NW)	662	90	4	126
20	20	2	11	14	-3	54	0	0.01	0.3	16	21.5	42	260 (W)	217	29	9	126
21	21	-2	10	14	-4	55	0	0.45	5.0	16	32.3	88	290 (W)	35	5	10	1269
22	-1	-18	-9	15	-24	74	0	0.10	1.0	16	81.5	111	310 (NW)	67	9	9	1269
23	10	-23	-6	15	-21	71	0	0.04	0.5	15	58.6	113	290 (W)	555	74	6	1269
24	15	7	11	15	-4	54	0	0.00	0.0	15	17.3	42	320 (NW)	752	100	3	
25	26	9	18	16	2	47	0	0.02	0.3	15	31.2	79	230 (SW)	666	88	5	126
26	29	17	23	16	7	42	0	0.40	3.1	15	46.0	85	290 (W)	105	14	10	126
27	22	11	17	16	1	48	0	0.04	0.9	17	23.0	46	320 (NW)	10	1	10	126
28	14	-5	5	17	-12	60	0	0.07	2.5	19	15.6	41	310 (NW)	0	0	10	126
29	18	-4	7	17	-10	58	0	0.00	0.0	18	23.2	46	250 (W)	768	100	1	
30	16	11	14	18	-4	51	0	0.20	2.4	18	52.7	79	300 (NW)	10	1	10	1269
31	12	4	8	18	-10	57	0	0.34	2.0	20	46.8	90	320 (NW)	427	55	9	1269
SUM	459	-78	----	----	----	1817	0	5.15	49.0	----	1428.3	----	----	8126	----	250	----
AVG	14.8	-2.5	----	----	----	----	----	----	----	----	46.1	FASTEST	DIR	POSS	%	8.1	----
											MISC. ->	124	350 (N)	22568	36%		----

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16		
AVERAGE MONTHLY	6.1	TOTAL FOR THE MONTH	5.15	NUMBER OF DAYS:	1 = FOG
DEPARTURE FROM NORMAL	-6.7	DEPARTURE FROM NORMAL	-2.52		2 = FOG REDUCING VISIBILITY
HIGHEST	29 on 26th	24 HOUR MAX	0.83 on 14th/15th	CLEAR (SCALE 0-3)	3 TO 1/4 MILE OR LESS
LOWEST	-23 on 23rd			PARTLY CLOUDY (SCALE 4-7)	5 3 = THUNDER
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23 4 = ICE PELLETS
NUMBER OF DAYS WITH:					5 = HAIL
		TOTAL FOR THE MONTH	49.0	WITH .01" OR MORE PRECIP	26 6 = GLAZE OR RIME
MAX. 32 OR BELOW	31	24 HOUR MAX	7.7 on 14th/15th	WITH .10" OR MORE PRECIP	14 7 = BLOWING DUST OR SAND
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	20 on 31st/17th/15th	WITH .50" OR MORE PRECIP	2 RED. VIS. TO 1/2 MILE OR LESS
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	0 8 = SMOKE OR HAZE
MIN. 0 OR BELOW	18	PRESSURE DATA (IN.)			9 = BLOWING SNOW
					X = TORNADO
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.680 on 12th		
		LOWEST SEA-LEVEL	29.294 on 17th		
TOTAL THIS MONTH	1817	AVG STATION	23.501		
DEPARTURE FROM NORMAL	200				
SEASON TOTAL	11342				
DEPARTURE FROM NORMAL	379				
COOLING DEGREE DAYS (BASE 65°F)					
TOTAL THIS MONTH	0				
DEPARTURE FROM NORMAL	0				
SEASON TOTAL	0				
DEPARTURE FROM NORMAL	0				

NOTES:				
4TH, 26TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO RIME ICE FALLING INTO CAN PRIOR TO COLLECTION.				
12TH, 17TH, 22ND: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN DUE TO BLOWING SNOW.				
12TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF SPEED FROM HAYS CHART DUE TO DATABASE MAINTENANCE.				
17TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF OBSERVER PARTIALLY ESTIMATED SPEEDS DUE TO ICE IN LINES OF PITOT.				
18TH: DAILY AVERAGE WIND SPEED CONTAINS 5 HOURS OF OBSERVER ESTIMATED SPEEDS DUE TO ICE IN LINES OF PITOT.				
22ND: DAILY AVERAGE WIND SPEED CONTAINS 1 HOURS OF OBSERVER ESTIMATED SPEEDS DUE TO ICE IN TP LINE OF PITOT.				
27TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF SPEED FROM HAYS CHART AND LIMITED DIGITAL DATA DUE TO INTERMITTENT DATABASE MAINTENANCE.				
MAX SNOW DEPTH OF 20 INCHES ALSO OCCURRED AT 17Z, 23Z ON THE 17TH AND 23Z ON THE 15TH.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
78	83	88	84	83

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 442 HOURS OF PREVAILING WINDS FROM THE NW, 59% OF THE TOTAL HOURS OF THE MONTH.