

WS FORM F-6										STATION								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MOUNT WASHINGTON OBSERVATORY								
LATITUDE										MONTH				YEAR				
44 DEGREES 16 MINUTES NORTH					LONGITUDE					JANUARY				2015				
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H)				STANDARD TIME				
										6,280 FT				EASTERN				
TEMPERATURE (°F)							PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER	WEATHER
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	(TENTHS)	OCCUR.	
1	3	-8	-2	6	-8	67	0	0.02	0.4	6	50.8	80	280 (W)	15	3	10	126	
2	4	-13	-4	6	-10	69	0	0.25	3.2	7	61.7	100	310 (NW)	0	0	10	1269	
3	12	-13	0	6	-6	65	0	0.45	4.2	8	46.4	90	310 (NW)	205	37	9	1269	
4	39	11	25	5	20	40	0	0.65	1.3	10	58.0	98	260 (W)	0	0	10	12469	
5	19	-24	-2	5	-7	67	0	0.04	0.5	5	86.5	129	290 (W)	0	0	10	126	
6	-11	-24	-17	5	-22	82	0	T	0.1	5	51.3	99	300 (NW)	105	19	10	126	
7	-6	-34	-20	5	-25	85	0	0.17	1.9	5	39.3	70	310 (NW)	5	1	10	1269	
8	-4	-33	-18	5	-23	83	0	0.00	0.0	6	60.0	92	310 (NW)	76	14	9	126	
9	0	-9	-4	5	-9	69	0	0.13	1.5	6	61.9	95	260 (W)	45	8	10	1269	
10	-7	-13	-10	5	-15	75	0	0.03	0.4	6	52.3	75	280 (W)	0	0	10	1269	
11	7	-12	-2	5	-7	67	0	0.03	0.4	6	55.8	87	290 (W)	50	9	10	1269	
12	14	-4	5	5	0	60	0	0.48	4.2	6	59.3	82	320 (NW)	0	0	10	1269	
13	12	-10	1	5	-4	64	0	0.06	0.4	6	31.5	75	330 (NW)	562	100	1	1269	
14	17	10	14	5	9	51	0	0.00	0.0	6	15.3	33	200 (S)	564	100	8	126	
15	19	6	13	5	8	52	0	0.00	0.0	6	22.4	45	280 (W)	343	61	6	126	
16	12	-25	-6	5	-11	71	0	0.13	1.2	6	69.3	104	310 (NW)	0	0	10	1269	
17	17	-25	-4	4	-8	69	0	0.00	0.0	6	55.4	89	330 (NW)	549	96	4	126	
18	28	12	20	4	16	45	0	1.62	8.1	6	53.9	89	150 (SE)	70	12	10	12469	
19	27	2	15	4	11	50	0	0.78	4.5	12	53.2	83	300 (NW)	0	0	10	12469	
20	5	-8	-1	4	-5	66	0	0.04	0.3	10	72.4	94	320 (NW)	471	82	3	1269	
21	14	1	8	4	4	57	0	0.00	0.0	9	27.9	73	330 (NW)	562	97	4	126	
22	16	-6	5	4	1	60	0	T	T	9	23.2	65	310 (NW)	580	100	4	126	
23	12	-5	4	4	0	61	0	0.05	0.5	9	50.6	72	310 (NW)	255	44	9	126	
24	22	5	14	4	10	51	0	0.11	1.9	9	36.0	82	330 (NW)	65	11	9	1269	
25	9	-17	-4	4	-8	69	0	0.28	1.6	9	71.5	99	300 (NW)	0	0	10	1269	
26	13	-11	1	4	-3	64	0	0.00	0.0	9	23.8	65	330 (NW)	390	66	8	126	
27	6	-9	-1	5	-6	66	0	1.55	17.0	10	65.1	111	070 (NE)	0	0	10	1269	
28	15	-6	5	5	0	60	0	0.08	1.2	10	44.2	76	020 (N)	80	13	9	1269	
29	20	8	14	5	9	51	0	0.01	0.1	10	28.7	73	190 (S)	509	86	8	126	
30	14	-8	3	5	-2	62	0	0.35	6.6	10	28.5	75	200 (S)	0	0	10	126	
31	0	-13	-6	5	-11	71	0	0.21	1.5	12	65.6	113	330 (NW)	499	83	5	1269	
SUM	348	-275	----	----	----	1969	0	7.52	63.0	----	1521.8	----	----	6000	----	256	----	
AVG	11.2	-8.9	----	----	----	----	----	----	----	----	49.1	FASTEST	DIR	POSS	%	8.3	----	
											MISC. ->	129	290 (W)	17658	34%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	1.2	TOTAL FOR THE MONTH	7.52	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-3.5	DEPARTURE FROM NORMAL	1.08			2 = FOG REDUCING VISIBILITY	
HIGHEST	39 on 4th	24 HOUR MAX	2.12 on 18th/19th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-34 on 7th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
MAX. 32 OR BELOW	30	TOTAL FOR THE MONTH	63.0	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	17.5 on 27th/28th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	MAX DEPTH ON GROUND	13 on 30th	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	23			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.652 on 13th			X = TORNADO	
		LOWEST SEA-LEVEL	29.160 on 24th				
TOTAL THIS MONTH	1969	AVG STATION	23.443				
DEPARTURE FROM NORMAL	101						
SEASON TOTAL	7569						
DEPARTURE FROM NORMAL	-129						

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

NOTES:	
6TH:	DAILY AVERAGE WIND SPEED CONTAINS 4 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO PLANNED DATABASE OUTAGE.
7TH, 9TH, 23RD:	DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW.
11TH:	DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO RIME FALLING INTO CAN.
12TH, 15TH:	DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO DATABASE ISSUES.
17TH:	DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF OBSERVER ESTIMATED SPEEDS DUE TO ICE IN LINES OF PITOT.
19TH:	DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO PLANNED DATABASE MAINTENANCE.
20TH:	DAILY AVERAGE WIND SPEED CONTAINS 5 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO SCHEDULED DATABASE MAINTENANCE.
27TH:	DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS.
GREATEST SNOW DEPTH OF 13 INCHES OCCURRED AT 23Z ON THE 30TH.	

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
75	76	80	84	79

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 284 HOURS OF PREVAILING WINDS FROM THE NW, 38% OF THE TOTAL HOURS OF THE MONTH.