

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
											MONTH			YEAR			
											MAY			2017			
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		
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE	DIR	TOTAL (MINUTES)	% POSS	COVER (TENTHS)	OCCUR.
1	52	32	42	30	12	23	0	1.39	T	0	40.6	86	260 (W)	15	2	10	124
2	44	25	35	30	5	30	0	0.63	0.5	0	43.0	86	270 (W)	0	0	10	126
3	27	19	23	31	-8	42	0	0.56	2.4	T	62.5	102	280 (W)	0	0	10	12469
4	36	18	27	31	-4	38	0	T	T	1	22.3	76	330 (NW)	710	81	8	1246
5	42	23	33	32	1	32	0	0.43	0.3	T	43.0	75	170 (S)	0	0	10	1246
6	46	33	40	32	8	25	0	0.87	0.0	T	49.3	90	150 (SE)	0	0	10	12
7	35	27	31	32	-1	34	0	0.29	0.4	0	29.6	63	170 (S)	0	0	10	1246
8	29	14	22	33	-11	43	0	0.27	3.1	1	14.2	31	270 (W)	10	1	10	126
9	24	14	19	33	-14	46	0	0.05	0.5	2	9.2	31	270 (W)	90	10	9	126
10	25	19	22	34	-12	43	0	0.06	0.5	3	18.5	43	290 (W)	27	3	10	126
11	32	21	27	34	-7	38	0	0.01	T	3	12.7	29	020 (N)	225	25	9	126
12	39	29	34	34	0	31	0	0.00	0.0	2	9.1	23	130 (SE)	25	3	10	12
13	37	25	31	35	-4	34	0	0.11	1.2	1	24.0	42	140 (SE)	70	8	10	126
14	30	24	27	35	-8	38	0	2.23	22.8	5	33.5	55	020 (N)	0	0	10	1269
15	35	22	29	35	-6	36	0	1.15	9.3	20	52.2	94	330 (NW)	35	4	10	1269
16	41	31	36	36	0	29	0	0.00	0.0	15	48.5	79	320 (NW)	382	42	8	12
17	58	39	49	36	13	16	0	0.00	0.0	6	45.0	79	290 (W)	565	63	9	12
18	64	47	56	36	20	9	0	0.58	T	T	51.9	85	280 (W)	670	74	8	1235
19	50	26	38	37	1	27	0	0.26	0.0	0	58.0	96	280 (W)	0	0	10	126
20	38	26	32	37	-5	33	0	0.00	0.0	0	24.7	62	330 (NW)	896	99	4	
21	49	31	40	37	3	25	0	T	0.0	0	9.8	33	190 (S)	644	71	8	
22	48	28	38	38	0	27	0	0.50	0.0	0	29.3	48	170 (S)	0	0	10	126
23	43	30	37	38	-1	28	0	0.00	0.0	0	34.6	62	270 (W)	380	41	9	126
24	45	39	42	38	4	23	0	0.00	0.0	0	7.5	25	300 (NW)	35	4	10	12
25	40	33	37	39	-2	28	0	0.33	0.0	0	45.0	83	120 (SE)	0	0	10	12
26	42	30	36	39	-3	29	0	1.40	0.0	0	15.0	52	120 (SE)	0	0	10	12
27	43	31	37	39	-2	28	0	0.00	0.0	0	22.5	50	030 (NE)	75	8	9	12
28	49	35	42	40	2	23	0	0.00	0.0	0	9.3	24	180 (S)	370	40	8	12
29	41	31	36	40	-4	29	0	0.27	T	0	23.9	43	160 (S)	10	1	10	124
30	50	38	44	40	4	21	0	0.11	0.0	0	23.5	61	240 (SW)	381	41	8	12
31	46	37	42	41	1	23	0	0.26	T	0	30.8	65	270 (W)	295	32	9	1235
SUM	1280	877	---	---	---	931	0	11.76	41.0	---	943.0	---	---	5910	---	286	---
AVG	41.3	28.3	---	---	---	---	---	---	---	---	30.4	FASTEST	DIR	POSS	%		---
											MISC. ->	102	280 (W)	27878	21%	9.2	---

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	34.8	TOTAL FOR THE MONTH	11.76	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.7	DEPARTURE FROM NORMAL	3.58	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	64 on 18th	24 HOUR MAX	2.23 on 14th	PARTLY CLOUDY (SCALE 4-7)	1	3 = THUNDER	
LOWEST	14 on 8th, 9th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	30	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	41.0	WITH .01" OR MORE PRECIP	21	5 = HAIL	
MAX. 32 OR BELOW	6	24 HOUR MAX	22.8 on 14th	WITH .10" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	20 on 15th	WITH .50" OR MORE PRECIP	9	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	23	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	4	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.515 on 21st			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.519 on 7th			X = TORNADO	
TOTAL THIS MONTH	931	AVG STATION	23.708				
DEPARTURE FROM NORMAL	18						
SEASON TOTAL	12304						
DEPARTURE FROM NORMAL	-805						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: **1ST, 7TH, 29TH: SNOWFALL ESTIMATED DUE TO MELTING PRIOR TO ONE CAN COLLECTION**

**10TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO WINDS TOO LOW TO VANE PITOT**

**14TH: PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW AT ONE COLLECTION**

**15TH: PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW AT TWO COLLECTIONS**

**17TH: NEW DAILY RECORD HIGH OF 58°F; PREVIOUS RECORD OF 57°F SET IN 1962**

**18TH: NEW DAILY RECORD HIGH OF 64°F; PREVIOUS RECORD OF 62°F SET IN 1986**

**18TH, 31ST: SNOWFALL TOTAL FELL ENTIRELY AS HAIL FROM A THUNDERSTORM**

**GREATEST SNOW DEPTH OF 21.0 INCHES OCCURRED AT 18Z ON THE 15TH**

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 197 HOURS OF PREVAILING WINDS FROM THE W, 26% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
90	90	92	93	91	