

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JULY				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 (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS				
						HEAT	COOL				SPEED	DIR						
1	60	50	55	48	7	10	0	2.08	0.0	0	32.1	90	270 (W)	175	19	10	123	
2	54	45	50	48	2	15	0	0.12	0.0	0	43.5	65	280 (W)	40	4	10	12	
3	48	42	45	48	-3	20	0	0.04	0.0	0	48.4	79	290 (W)	20	2	10	12	
4	48	39	44	49	-5	21	0	0.00	0.0	0	35.2	67	300 (NW)	300	32	8	12	
5	60	42	51	49	2	14	0	0.00	0.0	0	17.4	52	260 (W)	897	96	4		
6	54	46	50	49	1	15	0	0.00	0.0	0	32.2	51	260 (W)	35	4	10	12	
7	58	49	54	49	5	11	0	0.00	0.0	0	16.1	46	270 (W)	155	17	10	12	
8	53	44	49	49	0	16	0	0.48	0.0	0	26.9	55	260 (W)	135	14	9	123	
9	50	40	45	49	-4	20	0	0.07	0.0	0	37.7	60	300 (NW)	87	9	9	12	
10	53	44	49	49	0	16	0	T	0.0	0	34.3	59	270 (W)	40	4	10	12	
11	59	46	53	49	4	12	0	0.06	0.0	0	24.8	61	310 (NW)	20	2	10	12	
12	59	49	54	49	5	11	0	0.08	0.0	0	17.6	50	290 (W)	135	15	9	12	
13	55	44	50	49	1	15	0	0.62	0.0	0	14.3	38	240 (SW)	124	13	10	12	
14	54	47	51	49	2	14	0	0.16	0.0	0	14.6	46	250 (W)	72	8	10	12	
15	53	46	50	49	1	15	0	0.44	0.0	0	25.6	55	240 (SW)	7	1	10	123	
16	60	48	54	49	5	11	0	0.00	0.0	0	13.4	40	320(NW)	555	60	8	12	
17	59	49	54	49	5	11	0	0.21	0.0	0	15.2	48	220(SW)	415	45	9	123	
18	60	49	55	49	6	10	0	0.02	0.0	0	22.3	60	230(SW)	435	47	8	12	
19	58	50	54	49	5	11	0	T	0.0	0	30.5	52	300 (NW)	568	62	6	12	
20	58	48	53	49	4	12	0	0.00	0.0	0	28.4	49	290 (W)	42	5	10	12	
21	58	46	52	49	3	13	0	0.00	0.0	0	34.3	74	300 (NW)	415	45	8	12	
22	53	45	49	49	0	16	0	0.00	0.0	0	32.3	60	300 (NW)	160	18	9	12	
23	52	43	48	49	-1	17	0	0.00	0.0	0	13.4	33	300 (NW)	515	57	8	12	
24	46	34	40	49	-9	25	0	0.72	0.0	0	22.9	47	110 (E)	0	0	10	12	
25	47	36	42	49	-7	23	0	0.12	0.0	0	10.5	29	090 (E)	95	10	9	12	
26	56	43	50	49	1	15	0	T	0.0	0	13.0	45	260 (W)	566	63	6	12	
27	50	41	46	49	-3	19	0	0.34	0.0	0	37.0	56	290 (W)	0	0	10	12	
28	52	39	46	49	-3	19	0	0.09	0.0	0	25.3	61	300 (NW)	565	63	8	12	
29	51	36	44	49	-5	21	0	0.00	0.0	0	10.2	30	050 (NE)	845	94	9	12	
30	50	38	44	49	-5	21	0	0.00	0.0	0	22.3	51	360 (N)	826	92	4	12	
31	57	46	52	49	3	13	0	0.15	T	0	27.4	50	300 (NW)	285	32	9	1235*	
SUM	1685	1364	----	----	----	482	0	5.80	T	----	779.1	----	----	8529	----	270	----	
AVG	54.4	44.0	----	----	----	----	----	----	----	----	25.1	FASTEST	DIR	POSS	----	----	----	
											MISC. ->	90	270 (W)	28530	30%	8.7	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	49.2	TOTAL FOR THE MONTH	5.80	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.1	DEPARTURE FROM NORMAL	-2.97			2 = FOG REDUCING VISIBILITY	
HIGHEST	60	24 HOUR MAX	2.14	on 1st/2nd	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS
LOWEST	34	24th			PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER
		SNOWFALL, ICE PELLETS (IN.)			CLOUDY (SCALE 8-10)	27	4 = ICE PELLETS
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	T		WITH .01" OR MORE PRECIP	17	5 = HAIL
MAX. 32 OR BELOW	0	24 HOUR MAX	T	on 31st	WITH .10" OR MORE PRECIP	11	6 = GLAZE OR RIME
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0		WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND
MIN. 32 OR BELOW	0				WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS
MIN. 0 OR BELOW	0						8 = SMOKE OR HAZE
		PRESSURE DATA (IN.)					9 = BLOWING SNOW
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.427	5th			X = TORNADO
		LOWEST SEA-LEVEL	29.805	8th			
TOTAL THIS MONTH	482	AVG STATION	23.911				
DEPARTURE FROM NORMAL	-13						
SEASON TOTAL	482						
DEPARTURE FROM NORMAL	-13						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:	* "S" FELL AS SMALL HAIL
	31ST: SNOWFALL TOTAL FELL ENTIRELY AS SMALL HAIL FROM A THUNDERSTORM

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
93	84	95	93	91

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 361 HOURS OF PREVAILING WINDS FROM THE W, 49% OF THE TOTAL HOURS OF THE MONTH.