

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JULY				2016			
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	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS			
1	56	45	51	48	3	14	0	1.85	0.0	0	22.0	61	150 (SE)	456	49	8	123	
2	45	34	40	48	-8	25	0	0.16	0.0	0	55.5	94	280 (W)	0	0	10	12	
3	48	35	42	48	-6	23	0	0.00	0.0	0	46.3	77	290 (W)	320	34	9	12	
4	54	40	47	49	-2	18	0	0.00	0.0	0	34.3	53	290 (W)	815	87	6	12	
5	60	47	54	49	5	11	0	0.00	0.0	0	22.4	45	280 (W)	809	86	5	12	
6	66	47	57	49	8	8	0	0.00	0.0	0	19.8	48	290 (W)	630	67	8	12	
7	60	50	55	49	6	10	0	0.09	0.0	0	26.1	50	240 (SW)	35	4	10	12	
8	55	49	52	49	3	13	0	0.00	0.0	0	11.2	36	280 (W)	295	32	10	12	
9	52	42	47	49	-2	18	0	0.73	0.0	0	15.8	37	210 (SW)	20	2	10	12	
10	50	43	47	49	-2	18	0	0.36	0.0	0	15.2	32	310 (NW)	0	0	10	12	
11	50	37	44	49	-5	21	0	0.08	0.0	0	21.6	54	010 (N)	610	66	5	12	
12	59	46	53	49	4	12	0	0.00	0.0	0	12.7	29	260 (W)	589	63	8	12	
13	63	51	57	49	8	8	0	0.00	0.0	0	18.4	46	230 (SW)	525	57	6	12	
14	61	54	58	49	9	7	0	2.14	0.0	0	32.3	75	270 (W)	14	2	10	123	
15	55	48	52	49	3	13	0	T	0.0	0	39.5	75	280 (W)	65	7	10	12	
16	52	47	50	49	1	15	0	T	0.0	0	27.7	52	270 (W)	20	2	10	12	
17	53	47	50	49	1	15	0	0.40	0.0	0	23.3	39	240 (SW)	0	0	10	12	
18	56	45	51	49	2	14	0	0.28	T	0	39.5	65	280 (W)	7	1	10	1235*	
19	46	38	42	49	-7	23	0	0.03	0.0	0	41.2	67	290 (W)	0	0	10	12	
20	46	37	42	49	-7	23	0	0.00	0.0	0	44.7	75	340 (N)	0	0	10	12	
21	55	44	50	49	1	15	0	0.00	0.0	0	25.8	47	270 (W)	540	59	9	12	
22	59	48	54	49	5	11	0	0.80	T	0	44.1	72	270 (W)	140	15	10	1235*	
23	54	45	50	49	1	15	0	1.19	0.0	0	37.0	72	330 (NW)	115	13	10	123	
24	59	44	52	49	3	13	0	0.00	0.0	0	26.8	50	330 (NW)	845	93	5	12	
25	65	50	58	49	9	7	0	0.01	0.0	0	25.0	57	280 (W)	590	65	9	12	
26	56	48	52	49	3	13	0	0.15	0.0	0	40.0	69	290 (W)	0	0	10	12	
27	62	47	55	49	6	10	0	0.00	0.0	0	16.2	32	310 (NW)	765	85	4	12	
28	62	52	57	49	8	8	0	T	0.0	0	21.3	38	270 (W)	175	19	9	123	
29	58	45	52	49	3	13	0	T	0.0	0	13.5	33	310 (NW)	145	16	9	12	
30	56	42	49	49	0	16	0	0.00	0.0	0	12.5	35	320 (NW)	776	87	6	12	
31	59	45	52	49	3	13	0	T	0.0	0	6.5	22	300 (NW)	207	23	9	12	
SUM	1732	1392	----	----	----	443	0	8.27	T	----	838.2	----	----	9508	----	265	----	
AVG	55.9	44.9	----	----	----	----	----	----	----	----	27.0	FASTEST	DIR	POSS	33%	8.5	----	
											MISC. ->	94	280 (W)	28530				
<u>TEMPERATURE DATA (°F)</u>						<u>PRECIPITATION DATA (IN.)</u>					<u>WEATHER</u>			<u>SYMBOLS USED IN COLUMN 16</u>				
AVERAGE MONTHLY						TOTAL FOR THE MONTH					NUMBER OF DAYS:			1 = FOG				
DEPARTURE FROM NORMAL						DEPARTURE FROM NORMAL					CLEAR (SCALE 0-3)			2 = FOG REDUCING VISIBILITY				
HIGHEST						24 HOUR MAX					PARTLY CLOUDY (SCALE 4-7)			TO 1/4 MILE OR LESS				
LOWEST						SNOWFALL, ICE PELLETS (IN.)					CLOUDY (SCALE 8-10)			3 = THUNDER				
NUMBER OF DAYS WITH:						TOTAL FOR THE MONTH					WITH .01" OR MORE PRECIP			4 = ICE PELLETS				
MAX. 32 OR BELOW						24 HOUR MAX					WITH .10" OR MORE PRECIP			5 = HAIL				
MAX. 90 OR ABOVE						MAX DEPTH ON GROUND					WITH .50" OR MORE PRECIP			6 = GLAZE OR RIME				
MIN. 32 OR BELOW						<u>PRESSURE DATA (IN.)</u>					WITH 1.0" OR MORE PRECIP			7 = BLOWING DUST OR SAND				
MIN. 0 OR BELOW						HIGHEST SEA-LEVEL								8 = SMOKE OR HAZE				
HEATING DEGREE DAYS (BASE 65°F)						LOWEST SEA-LEVEL								9 = BLOWING SNOW				
TOTAL THIS MONTH						AVG STATION								X = TORNADO				
DEPARTURE FROM NORMAL																		
SEASON TOTAL																		
DEPARTURE FROM NORMAL																		
COOLING DEGREE DAYS (BASE 65°F)																		
TOTAL THIS MONTH																		
DEPARTURE FROM NORMAL																		
SEASON TOTAL																		
DEPARTURE FROM NORMAL																		
											NOTES: * "5" FELL AS SMALL HAIL							
											18TH, 22ND: SNOWFALL TOTAL FELL ENTIRELY AS SMALL HAIL							
											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 411 HOURS OF PREVAILING WINDS FROM THE W							
											55% OF THE TOTAL HOURS OF THE MONTH.							