

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JULY				2014			
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 HEAT	DEGREE DAYS COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS			
1	67	51	59	48	11	6	0	0.00	0.0	0	28.7	62	250 (W)	355	38	9	12	
2	68	54	61	48	13	4	0	0.43	0.0	0	35.1	70	270 (W)	270	29	9	123	
3	63	50	57	48	9	8	0	1.09	T	0	23.1	52	280 (W)	585	62	9	1235*	
4	51	39	45	49	-4	20	0	1.06	0.0	0	25.7	55	010 (N)	0	0	10	12	
5	46	33	40	49	-9	25	0	0.42	0.0	0	63.7	96	350 (N)	35	4	10	12	
6	52	40	46	49	-3	19	0	0.00	0.0	0	53.4	80	300 (NW)	420	45	9	12	
7	58	45	52	49	3	13	0	0.23	0.0	0	38.5	67	290 (W)	398	43	9	12	
8	59	48	54	49	5	11	0	0.40	T	0	35.7	73	220 (SW)	145	16	10	1235*	
9	52	46	49	49	0	16	0	0.21	0.0	0	45.9	79	280 (W)	380	41	9	123	
10	49	39	44	49	-5	21	0	0.03	0.0	0	35.0	62	270 (W)	556	60	8	12	
11	55	40	48	49	-1	17	0	0.00	0.0	0	16.7	32	280 (W)	900	97	5		
12	58	43	51	49	2	14	0	0.00	0.0	0	20.9	43	250 (W)	734	79	5	12	
13	57	51	54	49	5	11	0	0.51	0.0	0	33.9	67	240 (SW)	70	8	10	128	
14	60	45	53	49	4	12	0	0.31	0.0	0	31.0	78	290 (W)	280	30	9	12	
15	58	51	55	49	6	10	0	0.69	0.0	0	23.2	51	220 (SW)	10	1	10	123	
16	56	43	50	49	1	15	0	0.49	0.0	0	20.0	43	290 (W)	0	0	10	12	
17	50	40	45	49	-4	20	0	0.00	0.0	0	23.0	52	280 (W)	475	52	9	12	
18	51	39	45	49	-4	20	0	0.00	0.0	0	24.8	56	290 (W)	305	33	9	12	
19	55	43	49	49	0	16	0	0.00	0.0	0	5.3	17	210 (SW)	320	35	9	12	
20	51	43	47	49	-2	18	0	T	0.0	0	10.3	25	130 (SE)	390	43	9	12	
21	58	44	51	49	2	14	0	0.00	0.0	0	9.6	25	270 (W)	571	62	8	12	
22	60	49	55	49	6	10	0	0.00	0.0	0	23.3	50	280 (W)	355	39	9	12	
23	60	50	55	49	6	10	0	1.88	0.0	0	36.0	60	270 (W)	20	2	10	123	
24	51	39	45	49	-4	20	0	0.01	0.0	0	20.8	36	340 (N)	308	34	10	12	
25	50	40	45	49	-4	20	0	0.00	0.0	0	34.6	53	330 (NW)	245	27	10	12	
26	53	42	48	49	-1	17	0	0.01	0.0	0	32.8	57	260 (W)	275	30	9	12	
27	52	44	48	49	-1	17	0	0.37	0.0	0	28.7	60	240 (SW)	150	17	10	123	
28	54	43	49	49	0	16	0	2.66	0.0	0	24.3	62	120 (SE)	134	15	10	123	
29	48	38	43	49	-6	22	0	0.16	0.0	0	19.2	55	310 (NW)	380	42	9	12	
30	49	39	44	49	-5	21	0	0.00	0.0	0	8.8	23	240 (SW)	170	19	9	12	
31	46	41	44	49	-5	21	0	0.15	T	0	25.6	49	250 (W)	40	4	10	1235*	
SUM	1697	1352	----	----	----	484	0	11.11	T	----	857.6	----	----	9276	----	281	----	
AVG	54.7	43.6	----	----	----	----	----	----	----	----	27.7	FASTEST	DIR	POSS	----	9.1	----	
											MISC. ->	96	350 (N)	28530	33%			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	49.2	TOTAL FOR THE MONTH	11.11	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.1	DEPARTURE FROM NORMAL	2.34			2 = FOG REDUCING VISIBILITY	
HIGHEST	68 on 2nd	24 HOUR MAX	2.82 on 28th/29th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	33 on 5th			PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	29	4 = ICE PELLETS	
				WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	T **	WITH .10" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	T ** on 3rd/8th/31st	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	T ** on 3rd/8th/31st	WITH 1.0" OR MORE PRECIP	4	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.467 on 19th				
		LOWEST SEA-LEVEL	29.590 on 28th				
TOTAL THIS MONTH	484	AVG STATION	23.894				
DEPARTURE FROM NORMAL	-11						
SEASON TOTAL	484						
DEPARTURE FROM NORMAL	-11						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: * "5" FELL AS SMALL HAIL. **FELL AS SMALL HAIL & ESTIMATED.				
1ST. NEW DAILY RECORD HIGH OF 67°F. PREVIOUS RECORD OF 66°F SET IN 1949.				
3RD, 8TH, 31ST. DAILY SNOWFALL ESTIMATED DUE TO MELTING IMMEDIATELY AFTER HITTING GROUND DURING A THUNDERSTORM.				
7TH. DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF SPEED FROM A SECONDARY DATABASE DUE TO ERRONEOUS DATA REPORTING IN PRIMARY.				
17TH. DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO DATABASE RESTART AND WINDS TOO LOW FOR HAYS CHART.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
93	85	94	95	92

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 440 HOURS OF PREVAILING WINDS FROM THE W, 59% OF THE TOTAL HOURS OF THE MONTH.