

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2015			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6280 FT				STANDARD TIME EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)				SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.
DEGREE DAYS						TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM		AVG SPEED	FASTEST MILE		TOTAL	% POSS				
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR					
1	48	41	45	48	-3	20	0	1.07	0.0	0	39.9	70	300 (NW)	0	0	10	12	
2	42	36	39	48	-9	26	0	0.17	0.0	0	45.7	76	290 (W)	433	46	9	12	
3	48	35	42	48	-6	23	0	0.00	0.0	0	29.5	48	350 (N)	830	88	6	12	
4	50	40	45	49	-4	20	0	T	0.0	0	11.3	35	270 (W)	210	22	9	12	
5	49	43	46	49	-3	19	0	0.00	0.0	0	33.5	52	300 (NW)	30	3	10	12	
6	59	44	52	49	3	13	0	0.00	0.0	0	16.0	35	240 (SW)	690	74	8	12	
7	58	49	54	49	5	11	0	0.03	0.0	0	28.3	57	260 (W)	0	0	10	12	
8	56	44	50	49	1	15	0	0.26	0.0	0	32.4	73	270 (W)	562	60	6	12	
9	58	46	52	49	3	13	0	0.01	0.0	0	11.0	29	280 (W)	226	24	10	12	
10	53	42	48	49	-1	17	0	0.03	0.0	0	29.2	53	340 (N)	350	38	9	12	
11	57	45	51	49	2	14	0	0.00	0.0	0	32.0	48	290 (W)	765	82	5	12	
12	57	49	53	49	4	12	0	0.00	0.0	0	37.3	56	300 (NW)	15	2	10	12	
13	65	50	58	49	9	7	0	0.00	0.0	0	15.5	39	310 (NW)	563	61	6	1238	
14	54	48	51	49	2	14	0	0.06	0.0	0	27.1	47	190(S)	332	36	8	12	
15	54	37	46	49	-3	19	0	0.61	0.0	0	24.3	43	350 (N)	475	51	8	12	
16	50	40	45	49	-4	20	0	0.00	0.0	0	16.3	36	350 (N)	922	100	4		
17	59	41	50	49	1	15	0	0.01	0.0	0	13.2	37	230 (SW)	680	74	8	12	
18	57	43	50	49	1	15	0	0.42	0.0	0	30.6	57	300 (NW)	0	0	10	12	
19	59	48	54	49	5	11	0	0.95	T	0	29.4	66	300 (NW)	0	0	10	1235*	
20	56	49	53	49	4	12	0	0.09	0.0	0	34.3	73	280 (W)	465	51	8	12	
21	59	45	52	49	3	13	0	0.34	0.0	0	21.8	54	290 (W)	295	32	9	12	
22	47	39	43	49	-6	22	0	0.07	0.0	0	47.1	71	300 (NW)	70	8	10	12	
23	44	40	42	49	-7	23	0	0.05	0.0	0	38.1	60	300 (NW)	0	0	10	12	
24	45	39	42	49	-7	23	0	0.30	0.0	0	27.8	55	320 (NW)	5	1	10	12	
25	52	41	47	49	-2	18	0	0.09	0.0	0	12.0	35	250 (W)	322	36	8	12	
26	53	47	50	49	1	15	0	0.36	0.0	0	25.6	49	250 (W)	15	2	10	123	
27	64	49	57	49	8	8	0	0.10	T	0	14.0	32	280 (W)	422	47	8	1235*	
28	61	47	54	49	5	11	0	1.01	0.0	0	24.0	47	260 (W)	665	74	5	123	
29	60	52	56	49	7	9	0	0.05	0.0	0	24.7	48	280 (W)	70	8	10	12	
30	64	50	57	49	8	8	0	0.48	0.0	0	29.3	68	290 (W)	345	39	9	12	
31	50	45	48	49	-1	17	0	0.00	0.0	0	45.0	70	290 (W)	180	20	9	12	
SUM	1688	1364	----	----	----	483	0	6.56	T	----	846.2	----	----	9937	----	262	----	
AVG	54.5	44.0	----	----	----	----	----	----	----	----	27.3	FASTEST	DIR	POSS	----	8.5	----	
											MISC. ->	76	W	28530	35%		----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	49.2	TOTAL FOR THE MONTH	6.56	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.1	DEPARTURE FROM NORMAL	-2.21			2 = FOG REDUCING VISIBILITY	
HIGHEST	65 on 13th	24 HOUR MAX	1.15 on 1st/2nd	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	35 on 3rd			PARTLY CLOUDY (SCALE 4-7)	6	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	22	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 19th, 27th	WITH .10" OR MORE PRECIP	12	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 19th, 27th*	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.398 on 6th				
		LOWEST SEA-LEVEL	29.709 on 22nd				
TOTAL THIS MONTH	483	AVG STATION	23.868				
DEPARTURE FROM NORMAL	-12						
SEASON TOTAL	483						
DEPARTURE FROM NORMAL	-12						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:	* FELL AS SMALL HAIL
	19TH, 27TH: FELL AS SMALL HAIL AND ESTIMATED DUE TO MELTING PRIOR TO COLLECTION.
	MAX SNOW DEPTH OF TRACE OCCURRED APPROX AT 21Z ON THE 19TH AND APPROX AT 20Z ON THE 27TH.

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
87	82	91	90	88

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 294 HOURS OF PREVAILING WINDS FROM THE W 40% OF THE TOTAL HOURS OF THE MONTH.