

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2018			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT			STANDARD TIME EASTERN				
TEMPERATURE (°F)						DEGREE DAYS			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 SPEED	DIR	TOTAL	% POSS			
1	68	52	60	48	12	5	0	1.16	0.0	0	29.1	95	340 (N)	95	10	10	123	
2	67	60	64	48	16	1	0	0.00	0.0	0	30.5	54	270 (W)	355	38	8	128	
3	63	54	59	48	11	6	0	0.01	0.0	0	28.8	53	270 (W)	288	31	9	12	
4	70	56	63	49	14	2	0	0.00	0.0	0	8.8	29	350 (N)	908	97	4		
5	71	57	64	49	15	1	0	0.01	0.0	0	20.0	65	280 (W)	669	71	5	12	
6	60	32	46	49	-3	19	0	0.81	0.0	0	56.1	95	320 (NW)	0	0	10	123	
7	48	32	40	49	-9	25	0	0.00	0.0	0	32.0	79	340 (N)	880	94	4	12	
8	60	43	52	49	3	13	0	0.00	0.0	0	14.0	33	280 (W)	860	92	5		
9	65	51	58	49	9	7	0	0.00	0.0	0	20.4	44	290 (W)	932	100	1		
10	59	48	54	49	5	11	0	0.00	0.0	0	28.6	51	280 (W)	425	46	8	1	
11	54	40	47	49	-2	18	0	0.09	0.0	0	14.3	31	290 (W)	605	65	6	123	
12	52	40	46	49	-3	19	0	0.00	0.0	0	14.9	38	020 (N)	433	47	6		
13	54	45	50	49	1	15	0	0.00	0.0	0	6.6	17	190 (S)	245	26	8	12	
14	54	47	51	49	2	14	0	0.16	0.0	0	24.3	39	280 (W)	10	1	10	12	
15	58	50	54	49	5	11	0	0.01	0.0	0	24.0	39	320 (NW)	265	29	9	12	
16	64	49	57	49	8	8	0	0.00	0.0	0	17.6	37	320 (NW)	735	80	8	12	
17	59	46	53	49	4	12	0	0.45	0.0	0	33.3	63	300 (NW)	10	1	10	123	
18	51	38	45	49	-4	20	0	0.00	0.0	0	36.8	65	310 (NW)	750	82	4	12	
19	55	39	47	49	-2	18	0	0.00	0.0	0	14.5	36	340 (N)	918	100	1		
20	63	48	56	49	7	9	0	0.00	0.0	0	7.3	21	340 (N)	877	96	1	12	
21	63	50	57	49	8	8	0	0.00	0.0	0	14.5	46	140 (SE)	914	100	3		
22	57	48	53	49	4	12	0	0.48	0.0	0	39.8	76	140 (SE)	0	0	10	12	
23	59	52	56	49	7	9	0	2.61	0.0	0	33.8	58	190 (S)	0	0	10	12	
24	58	53	56	49	7	9	0	0.24	0.0	0	35.5	59	190 (S)	0	0	10	12	
25	59	52	56	49	7	9	0	1.66	0.0	0	37.6	64	190 (S)	0	0	10	12	
26	57	51	54	49	5	11	0	1.27	0.0	0	23.0	52	200 (S)	0	0	10	12	
27	58	48	53	49	4	12	0	0.12	0.0	0	28.3	56	250 (W)	100	11	10	123	
28	60	48	54	49	5	11	0	0.03	0.0	0	20.0	41	260 (W)	130	14	9	123	
29	49	43	46	49	-3	19	0	0.00	0.0	0	34.0	51	300 (NW)	55	6	10	12	
30	55	43	49	49	0	16	0	0.00	0.0	0	21.7	46	300 (NW)	510	57	9	12	
31	58	48	53	49	4	12	0	0.00	0.0	0	8.1	27	200 (S)	130	15	9	12	
SUM	1828	1463	----	----	----	362	0	9.11	0.0	----	758.2	----	----	12099	----	227	----	
AVG	59.0	47.2	----	----	----	----	----	----	----	----	24.5	FASTEST	DIR	POSS	42%	7.3	----	
											MISC. ->	95	320 (NW)	28530			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	53.1	TOTAL FOR THE MONTH	9.11	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.0	DEPARTURE FROM NORMAL	0.34	CLEAR (SCALE 0-3)	4	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	71 on 5th	24 HOUR MAX	2.61 on 23rd	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	32 on 6th/7th	SNOWFALL, ICE PELLETS (IN.)	0	CLOUDY (SCALE 8-10)	20	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	15	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.00 on N/A	WITH .10" OR MORE PRECIP	10	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	2			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	30.588 on 4th				
		LOWEST SEA-LEVEL	29.922 on 18th				
TOTAL THIS MONTH	362	AVG STATION	24.048				
DEPARTURE FROM NORMAL	-133						
SEASON TOTAL	362						
DEPARTURE FROM NORMAL	-133						

COOLING DEGREE DAYS (BASE 65°F)	
TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

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 282 HOURS OF PREVAILING WINDS FROM THE W 38% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
81	80	86	83	83	

NOTES:

1ST: NEW DAILY RECORD HIGH OF 68°F; PREVIOUS RECORD OF 67°F ORIGINALLY SET IN 2014

4TH: NEW DAILY RECORD HIGH OF 70°F; PREVIOUS RECORD OF 68°F ORIGINALLY SET IN 1983 AND EQUALED IN 2003

5TH: NEW DAILY RECORD HIGH OF 71°F; PREVIOUS RECORD OF 68°F ORIGINALLY SET IN 1939

5TH: MONTHLY RECORD HIGH OF 71°F EQUALED; RECORDED ORIGINALLY SET ON JULY 23, 1952 AND EQUALED ON JULY 18, 1953

31ST: AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR SIX HOURS DUE TO INSTRUMENT WORK AND WINDS TOO LOW FOR PITOT ANEMOMETER