

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JUNE			YEAR 2019					
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 MILE SPEED	DIR	TOTAL	% POSS			
1	44	33	39	41	-2	26	0	T	0.0	0	25.3	43	290 (W)	12	1	9	12	
2	47	34	41	41	0	24	0	0.46	0.0	0	30.2	53	250 (W)	0	0	10	12	
3	37	25	31	42	-11	34	0	0.04	0.9	0	45.4	102	290 (W)	370	40	9	126	
4	32	25	29	42	-13	36	0	0.00	0.0	1	47.0	90	290 (W)	145	16	9	126	
5	47	30	39	42	-3	26	0	1.12	T	T	36.8	61	270 (W)	0	0	10	126	
6	47	38	43	43	0	22	0	0.71	0.0	0	22.5	45	290 (W)	481	51	6	12	
7	50	37	44	43	1	21	0	0.00	0.0	0	25.2	59	300 (NW)	936	100	4		
8	48	35	42	43	-1	23	0	0.00	0.0	0	27.0	66	330 (NW)	858	91	5		
9	60	43	52	43	9	13	0	0.00	0.0	0	11.9	27	330 (NW)	938	100	5		
10	60	46	53	44	9	12	0	0.02	0.0	0	24.0	74	160 (S)	890	95	6	12	
11	52	33	43	44	-1	22	0	1.51	0.0	0	54.2	95	300 (NW)	0	0	10	12	
12	50	31	41	44	-3	24	0	0.00	0.0	0	26.8	82	350 (N)	855	91	4	12	
13	45	28	37	45	-8	28	0	0.28	0.0	0	39.5	70	150 (SE)	16	2	10	126	
14	41	35	38	45	-7	27	0	0.22	0.0	0	39.8	82	290 (W)	50	5	10	12	
15	52	35	44	45	-1	21	0	0.07	0.0	0	42.5	75	250 (W)	440	47	8	12	
16	46	40	43	45	-2	22	0	0.15	0.0	0	29.8	64	260 (W)	0	0	10	12	
17	48	37	43	46	-3	22	0	0.00	0.0	0	30.6	50	320 (NW)	824	87	5	12	
18	49	41	45	46	-1	20	0	0.00	0.0	0	15.7	33	290 (W)	90	10	10	12	
19	54	44	49	46	3	16	0	0.00	0.0	0	11.6	35	260 (W)	492	52	8	12	
20	52	47	50	46	4	15	0	0.99	0.0	0	19.3	54	240 (SW)	25	3	10	123	
21	48	39	44	47	-3	21	0	0.13	0.0	0	32.6	61	340 (N)	0	0	10	12	
22	44	38	41	47	-6	24	0	0.02	T	0	42.8	76	340 (N)	290	31	8	124	
23	50	40	45	47	-2	20	0	0.00	0.0	0	52.8	78	300 (NW)	755	80	6	12	
24	52	41	47	47	0	18	0	0.00	0.0	0	27.5	61	350 (N)	943	100	4		
25	52	45	49	47	2	16	0	0.98	0.0	0	25.6	57	180 (S)	139	15	9	12	
26	60	47	54	47	7	11	0	0.67	T	0	10.8	36	300 (NW)	595	63	8	1235*	
27	56	47	52	48	4	13	0	0.00	0.0	0	26.2	53	320 (NW)	345	37	8	12	
28	58	45	52	48	4	13	0	0.02	0.0	0	28.6	55	320 (NW)	733	78	6	12	
29	52	44	48	48	0	17	0	0.34	0.0	0	32.3	60	320 (NW)	0	0	10	123	
30	46	40	43	48	-5	22	0	0.89	T	0	29.2	66	020 (N)	65	7	10	1235*	
SUM	1479	1143	----	----	----	629	0	8.62	0.9	----	913.5	----	----	11287	----	237	----	
AVG	49.3	38.1	----	----	----	----	----	----	----	----	30.5	FASTEST	DIR	POSS %	40%	7.9	----	
											MISC. ->	102	290 (W)	28193			----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	43.7	TOTAL FOR THE MONTH	8.62	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.3	DEPARTURE FROM NORMAL	0.22	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	60 on 9th, 10th, 26th	24 HOUR MAX	1.53 on 10th/11th	PARTLY CLOUDY (SCALE 4-7)	10	3 = THUNDER	
LOWEST	25 on 3rd, 4th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	20	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.9	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	0.9 on 3rd	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 4th	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	5			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.538 on 9th			X = TORNADO	
TOTAL THIS MONTH	629	LOWEST SEA-LEVEL	29.581 on 21st				
DEPARTURE FROM NORMAL	27	AVG STATION	23.816				
SEASON TOTAL	13665						
DEPARTURE FROM NORMAL	-46						
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				
0600	1200	1800	0000	MONTH
84	79	85	88	84

  

NOTES:  
**2ND** : PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT DUE TO EVAPORATION  
**26TH** : SNOWFALL FELL AS HAIL & SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO SAFE COLLECTION CONDITIONS  
**30TH** : SNOWFALL FELL AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO SAFE COLLECTION CONDITIONS  
**DEEPEST SINGLE MEASUREMENT SNOW DEPTH OF 0.5 INCHES OCCURRED AT 12Z ON THE 4TH, THE LAST OF SEVERAL OCCURRENCES**

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, 39% OF THE TOTAL HOURS OF THE MONTH.