

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MAY				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		TOTAL	% POSS			
												SPEED	DIR					
1	37	19	28	30	-2	37	0	0.28	0.1	2	24.9	66	240 (SW)	135	16	10	126	
2	37	34	36	30	6	29	0	0.42	0.0	2	36.9	67	250 (W)	0	0	10	12	
3	42	34	38	31	7	27	0	0.53	0.0	T	35.9	65	240 (SW)	50	6	10	12	
4	41	33	37	31	6	28	0	0.17	0.0	0	22.0	38	290 (W)	117	13	10	12	
5	44	32	38	32	6	27	0	0.00	0.0	0	9.5	27	290 (W)	305	35	7	12	
6	45	32	39	32	7	26	0	0.00	0.0	0	12.2	52	250 (W)	856	97	4	1	
7	39	26	33	32	1	32	0	0.54	0.0	0	40.0	66	270 (W)	10	1	10	126	
8	27	18	23	33	-10	42	0	0.00	0.0	0	38.3	65	330 (NW)	653	74	5	126	
9	42	20	31	33	-2	34	0	0.04	0.0	0	18.6	44	190 (S)	671	76	5	126	
10	44	27	36	34	2	29	0	0.85	0.0	0	50.1	88	220 (SW)	0	0	10	126	
11	32	18	25	34	-9	40	0	0.10	0.0	0	53.6	84	300 (NW)	0	0	10	126	
12	31	17	24	34	-10	41	0	0.00	0.0	0	20.5	47	330 (NW)	153	17	10		
13	28	19	24	35	-11	41	0	0.07	0.9	0	34.6	67	100 (E)	120	13	9	1269	
14	28	17	23	35	-12	42	0	0.20	2.0	2	19.1	57	100 (E)	20	2	10	1269	
15	26	20	23	35	-12	42	0	0.05	0.4	2	32.1	67	330 (NW)	0	0	10	1269	
16	32	25	29	36	-7	36	0	0.03	0.4	2	22.8	40	310 (NW)	17	2	10	126	
17	40	28	34	36	-2	31	0	0.22	0.5	2	37.0	81	300 (NW)	5	1	10	126	
18	34	26	30	36	-6	35	0	0.06	0.5	1	38.5	74	300 (NW)	65	7	10	1246	
19	51	34	43	37	6	22	0	0.60	0.0	T	34.2	66	250 (W)	31	3	10	12	
20	51	33	42	37	5	23	0	0.57	0.0	0	47.7	82	250 (W)	0	0	10	12	
21	34	23	29	37	-8	36	0	0.57	1.9	T	72.5	135	330 (NW)	0	0	10	12469	
22	34	21	28	38	-10	37	0	0.00	0.0	1	36.2	115	330 (NW)	838	92	8	1269	
23	44	30	37	38	-1	28	0	0.16	0.0	T	26.8	71	270 (W)	85	9	10	12	
24	42	32	37	38	-1	28	0	0.66	0.0	0	44.8	105	350 (N)	0	0	10	12	
25	47	31	39	39	0	26	0	0.42	0.0	0	17.7	63	240 (SW)	570	62	8	12	
26	48	39	44	39	5	21	0	0.77	0.0	0	48.7	75	290 (W)	280	30	9	12	
27	40	27	34	39	-5	31	0	T	0.0	0	38.9	68	300 (NW)	427	46	8	12	
28	34	28	31	40	-9	34	0	0.71	3.7	0	15.7	36	260 (W)	35	4	10	1246	
29	47	33	40	40	0	25	0	0.00	0.0	1	20.0	48	290 (W)	745	81	8	12	
30	46	36	41	40	1	24	0	0.00	0.0	0	27.9	55	290 (W)	310	33	8	12	
31	41	31	36	41	-5	29	0	0.04	0.0	0	39.3	71	280 (W)	500	54	6	12	
SUM	1208	843	----	----	----	983	0	8.06	10.4	----	1017.0	----	----	6998	----	275	----	
AVG	39.0	27.2	----	----	----	----	----	----	----	----	32.8	FASTEST	DIR	POSS	25%	8.9	----	
											MISC. ->	135	330 (NW)	27878			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	33.1	TOTAL FOR THE MONTH	8.06	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.4	DEPARTURE FROM NORMAL	-0.12			2 = FOG REDUCING VISIBILITY	
HIGHEST	51 on 19th, 20th	24 HOUR MAX	1.19 on 25th/26th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	17 on 12th, 14th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	10.4	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	7	24 HOUR MAX	3.7 on 28th	WITH .10" OR MORE PRECIP	17	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	2 on 17th*	WITH .50" OR MORE PRECIP	9	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	23			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
		HIGHEST SEA-LEVEL	30.605 on 15th			X = TORNADO	
		LOWEST SEA-LEVEL	29.799 on 1st				
TOTAL THIS MONTH	983	AVG STATION	23.742				
DEPARTURE FROM NORMAL	70						
SEASON TOTAL	13036						
DEPARTURE FROM NORMAL	-73						
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 316 HOURS OF PREVAILING WINDS FROM THE WEST, 42% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
85	89	90	94	90	

NOTES:			
1ST, 14TH, 28TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION			
* GREATEST SNOW DEPTH OF 2 INCHES AT 7AM (EST) ON THE 17TH WAS THE LAST OF SEVERAL OCCURRENCES.			
DEEPEST SINGLE MEASUREMENT SNOW DEPTH OF 2.4 INCHES OCCURRED AT 00Z ON THE 16TH, THE LAST OF SEVERAL OCCURRENCES			