

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				YEAR 2019			
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.	
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	48	36	42	46	-4	23	0	0.00	0.0	0	12.3	37	230 (SW)	693	86	6	12	
2	47	41	44	46	-2	21	0	1.71	0.0	0	31.5	62	250 (W)	0	0	10	12	
3	46	41	44	46	-2	21	0	0.00	0.0	0	23.7	51	300 (NW)	365	46	9	12	
4	52	33	43	46	-3	22	0	0.39	0.0	0	46.4	89	280 (W)	0	0	10	123	
5	48	30	39	45	-6	26	0	0.02	0.0	0	23.8	70	310 (NW)	784	99	4	126	
6	44	34	39	45	-6	26	0	0.00	0.0	0	13.7	48	110 (E)	268	34	9	12	
7	39	34	37	45	-8	28	0	0.39	0.0	0	26.6	51	280 (W)	0	0	10	12	
8	38	34	36	44	-8	29	0	0.46	0.0	0	41.5	65	270 (W)	0	0	10	12	
9	40	32	36	44	-8	29	0	0.00	0.0	0	17.6	43	280 (W)	75	10	10	12	
10	51	35	43	44	-1	22	0	0.34	0.0	0	27.8	60	250 (W)	108	14	9	12	
11	54	44	49	44	5	16	0	1.08	0.0	0	55.1	77	280 (W)	0	0	10	12	
12	45	31	38	43	-5	27	0	0.09	0.0	0	25.0	69	300 (NW)	214	28	8	12	
13	40	30	35	43	-8	30	0	0.00	0.0	0	19.3	59	180 (S)	771	100	3	12	
14	48	34	41	42	-1	24	0	0.39	0.0	0	50.0	77	280 (W)	0	0	10	12	
15	44	33	39	42	-3	26	0	0.23	0.0	0	57.0	79	280 (W)	265	35	9	12	
16	36	31	34	42	-8	31	0	0.10	0.0	0	42.5	68	290 (W)	0	0	10	126	
17	37	29	33	41	-8	32	0	0.00	0.0	0	22.7	68	340 (N)	45	6	10	126	
18	44	29	37	41	-4	28	0	0.00	0.0	0	15.2	39	360 (N)	749	99	3	126	
19	53	41	47	41	6	18	0	0.00	0.0	0	8.8	22	320 (NW)	753	100	1		
20	57	45	51	40	11	14	0	0.00	0.0	0	23.7	62	330 (NW)	732	98	5	12	
21	56	46	51	40	11	14	0	0.00	0.0	0	25.2	54	340 (N)	460	62	5	12	
22	56	46	51	39	12	14	0	0.00	0.0	0	35.4	73	270 (W)	510	69	6	12	
23	55	46	51	39	12	14	0	1.84	0.0	0	54.2	89	270 (W)	0	0	10	123	
24	47	34	41	39	2	24	0	0.45	T	0	33.4	59	290 (W)	0	0	10	125*	
25	46	34	40	38	2	25	0	0.03	0.0	0	23.6	53	290 (W)	404	55	5	12	
26	49	35	42	38	4	23	0	0.88	0.0	0	44.5	87	290 (W)	305	42	9	12	
27	45	33	39	37	2	26	0	0.00	0.0	0	30.8	66	300 (NW)	640	88	4	12	
28	57	43	50	37	13	15	0	0.39	0.0	0	42.5	66	280 (W)	392	54	8	12	
29	46	33	40	36	4	25	0	0.15	0.0	0	35.2	70	300 (NW)	655	91	5	12	
30	47	36	42	36	6	23	0	0.01	0.0	0	21.2	38	250 (W)	435	61	6	12	
SUM	1415	1083	----	----	----	696	0	8.95	T	----	930.2	----	----	9623	----	224	----	
AVG	47.2	36.1	----	----	----	----	----	----	----	----	31.0	FASTEST	DIR	POSS	42%	7.5	----	
											MISC. ->	89	270 (W)	22883			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.6	TOTAL FOR THE MONTH	8.95	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.0	DEPARTURE FROM NORMAL	0.92	CLEAR (SCALE 0-3)	3	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	57 on 20th, 28th	24 HOUR MAX	2.23 on 23rd/24th	PARTLY CLOUDY (SCALE 4-7)	9	3 = THUNDER	
LOWEST	29 on 17th, 18th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	18	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 24th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	7			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.676 on 13th				
		LOWEST SEA-LEVEL	29.734 on 23rd				
TOTAL THIS MONTH	696	AVG STATION	23.937				
DEPARTURE FROM NORMAL	-6						
SEASON TOTAL	1601						
DEPARTURE FROM NORMAL	-118						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					MONTH
0600	1200	1800	0000		
80	81	79	86	82	

NOTES: * "5" FELL AS SMALL HAIL
7TH: AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR PERIOD DUE TO PITOT BEING VANED INCORRECTLY IN LOW WINDS
24TH: SNOWFALL FELL AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO ONE COLLECTION

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, 41% OF THE TOTAL HOURS OF THE MONTH.