

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH OCTOBER				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 SPEED	MILE DIR	TOTAL	% POSS			
1	55	41	48	36	12	17	0	3.10	0.0	0	43.8	95	270 (W)	0	0	10	123	
2	54	29	42	35	7	23	0	0.91	0.0	0	45.1	84	300 (NW)	135	19	10	12	
3	43	27	35	35	0	30	0	0.07	T	0	17.0	71	240 (SW)	346	49	9	1246	
4	32	16	24	34	-10	41	0	0.32	0.1	T	48.2	102	330 (NW)	0	0	10	1246	
5	39	17	28	34	-6	37	0	0.00	0.0	T	17.6	71	330 (NW)	704	100	0	126	
6	46	31	39	34	5	26	0	0.19	0.0	0	45.7	78	230 (SW)	108	15	10	12	
7	49	32	41	33	8	24	0	0.86	0.0	0	42.3	86	230 (SW)	0	0	10	12	
8	40	29	35	33	2	30	0	0.00	0.0	0	31.1	60	290 (W)	460	66	9	126	
9	39	31	35	32	3	30	0	0.00	0.0	0	28.3	53	090 (E)	394	57	8		
10	42	33	38	32	6	27	0	0.00	0.0	0	46.5	66	090 (E)	130	19	9		
11	39	32	36	32	4	29	0	0.03	0.0	0	53.2	82	080 (E)	180	26	8	12	
12	53	38	46	31	15	19	0	0.05	0.0	0	22.1	53	100 (E)	50	7	10	12	
13	45	37	41	31	10	24	0	0.00	0.0	0	18.0	31	300 (NW)	571	84	6	12	
14	41	26	34	31	3	31	0	0.00	0.0	0	30.6	63	270 (W)	450	66	6	126	
15	32	21	27	30	-3	38	0	0.00	0.0	0	35.9	71	280 (W)	313	46	8	126	
16	35	27	31	30	1	34	0	0.13	0.7	0	33.7	109	100 (E)	275	41	9	12469	
17	35	22	29	30	-1	36	0	1.59	1.5	1	57.0	128	070 (E)	0	0	10	1246	
18	26	21	24	29	-5	41	0	0.63	3.8	1	68.3	114	300 (NW)	0	0	10	126	
19	37	18	28	29	-1	37	0	0.05	0.5	3	42.5	80	290 (W)	575	87	3	126	
20	43	33	38	29	9	27	0	0.10	0.0	3	18.5	42	250 (W)	80	12	10	6	
21	45	36	41	28	13	24	0	0.00	0.0	1	11.3	29	350 (N)	655	100	1		
22	45	31	38	28	10	27	0	0.15	0.0	1	35.7	70	140 (SE)	70	11	10	12	
23	43	25	34	28	6	31	0	0.69	0.0	T	48.5	88	280 (W)	0	0	10	126	
24	35	23	29	28	1	36	0	T	T	0	49.8	79	280 (W)	394	61	5	126	
25	29	23	26	27	-1	39	0	0.25	1.9	T	37.6	61	290 (W)	0	0	10	126	
26	30	19	25	27	-2	40	0	0.35	2.0	4	26.2	59	300 (NW)	15	2	10	126	
27	34	22	28	27	1	37	0	0.98	0.0	3	31.0	66	150 (SE)	0	0	10	126	
28	50	33	42	26	16	23	0	0.00	0.0	1	22.9	46	300 (NW)	421	66	3	12	
29	45	37	41	26	15	24	0	0.00	0.0	T	29.0	49	280 (W)	633	100	4	12	
30	45	37	41	26	15	24	0	0.04	0.0	0	23.0	47	170 (S)	352	56	9	12	
31	52	39	46	26	20	19	0	1.09	0.0	0	40.9	93	210 (SW)	0	0	10	12	
SUM	1278	886	----	----	----	925	0	11.58	10.5	----	1101.3	----	----	7311	----	247	----	
AVG	41.2	28.6	----	----	----	----	----	----	----	----	35.5	FASTEST	DIR	POSS	35%	8.0	----	
											MISC. ->	128	070 (E)	20805			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	34.9	TOTAL FOR THE MONTH	11.58	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.7	DEPARTURE FROM NORMAL	2.31	CLEAR (SCALE 0-3)	4	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	55 on 1st	24 HOUR MAX	3.68 on 1st/2nd	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
LOWEST	16 on 4th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	10.5	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	5	24 HOUR MAX	3.9 on 25th/26th *	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND (7AM)	4 on 26th	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	21			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.605 on 5th			X = TORNADO	
TOTAL THIS MONTH	925	LOWEST SEA-LEVEL	28.905 on 17th				
DEPARTURE FROM NORMAL	-154	AVG STATION	23.834				
SEASON TOTAL	2526						
DEPARTURE FROM NORMAL	-272						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
3RD: SNOWFALL ESTIMATED DUE TO MELTING PRIOR TO TWO COLLECTIONS				
4TH SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO SNOWSLEET GETTING ENCASED IN GLAZE ICE				
17TH PRECIPITATION AND SNOWFALL ESTIMATED DUE TO UNREALISTICALLY LOW AMOUNT IN CAN DUE TO HIGH WINDS AND MELTING OF SNOWFALL PRIOR TO ONE COLLECTION				
31ST: DAILY RECORD HIGH OF 52°F EQUALLED; RECORD ORIGINALLY SET IN 2009.				
*DATES FOR THE GREATEST SNOWFALL, ICE PELLETS (IN.) IN 24 HOURS THE LAST OF SEVERAL OCCURRENCES				
GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 3.9 INCHES OCCURRED AT 00Z ON THE 27TH, THE LAST OF SEVERAL OCCURRENCES.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
75	76	74	76	76
(75.1)	(76.4)	(74.2)	(76.4)	(75.5)

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 246 HOURS OF PREVAILING WINDS FROM THEM, 33% OF THE TOTAL HOURS OF THE MONTH.