

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY				YEAR 2020			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6,280 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 SPEED	DIR	TOTAL	% POSS			
1	14	7	11	6	5	54	0	0.30	3.6	11	63.4	95	290 (W)	0	0	10	1269	
2	23	6	15	6	9	50	0	0.03	0.4	11	60.9	86	270 (W)	195	36	9	1269	
3	27	17	22	6	16	43	0	0.00	0.0	11	51.5	75	270 (W)	0	0	10	1269	
4	26	18	22	5	17	43	0	0.28	2.6	11	23.0	60	280 (W)	0	0	10	1269	
5	18	-1	9	5	4	56	0	0.31	2.3	14	54.6	85	300 (NW)	0	0	10	1269	
6	10	3	7	5	2	58	0	0.20	2.2	14	32.8	71	270 (W)	85	15	9	1269	
7	16	1	9	5	4	56	0	0.17	1.6	15	41.8	90	280 (W)	155	28	9	1269	
8	13	-8	3	5	-2	62	0	0.52	5.2	16	43.5	95	290 (W)	0	0	10	1269	
9	15	-14	1	5	-4	64	0	0.04	0.4	17	50.1	114	310 (NW)	500	90	3	1269	
10	30	12	21	5	16	44	0	0.22	1.3	17	63.0	102	260 (W)	0	0	10	12469	
11	42	29	36	5	31	29	0	0.32	0.0	15	68.8	119	230 (SW)	0	0	10	126	
12	45	8	27	5	22	38	0	0.84	0.4	6	58.4	104	260 (W)	0	0	10	1246	
13	22	14	18	5	13	47	0	0.04	0.8	3	49.5	81	240 (SW)	75	13	10	126	
14	20	10	15	5	10	50	0	0.03	0.7	3	31.8	69	280 (W)	530	94	4	126	
15	20	11	16	5	11	49	0	0.25	1.9	3	49.3	74	290 (W)	0	0	10	1269	
16	18	-11	4	5	-1	61	0	0.48	6.1	5	43.8	117	330 (NW)	0	0	10	1269	
17	4	-18	-7	4	-11	72	0	0.03	0.4	5	75.0	110	320 (NW)	569	100	0	1269	
18	13	0	7	4	3	58	0	0.14	1.6	4	39.3	85	320 (NW)	5	1	10	1269	
19	14	-10	2	4	-2	63	0	0.34	3.1	5	49.3	81	290 (W)	0	0	10	1269	
20	-1	-9	-5	4	-9	70	0	0.04	0.3	6	50.9	80	360 (N)	575	100	3	1269	
21	10	-8	1	4	-3	64	0	0.00	0.0	5	38.2	72	300 (NW)	507	88	6	126	
22	18	1	10	4	6	55	0	0.06	0.4	5	44.0	59	290 (W)	563	97	4	126	
23	29	17	23	4	19	42	0	0.00	0.0	5	38.8	64	290 (W)	303	52	8		
24	31	27	29	4	25	36	0	0.00	0.0	5	13.6	25	220 (SW)	190	33	9		
25	30	16	23	4	19	42	0	0.58	5.0	5	44.5	85	130 (SE)	170	29	10	12469	
26	27	13	20	4	16	45	0	0.16	1.3	8	37.9	79	280 (W)	226	38	8	1269	
27	17	11	14	5	9	51	0	0.23	2.8	8	48.5	76	280 (W)	0	0	10	1269	
28	12	4	8	5	3	57	0	0.03	0.5	8	32.3	63	290 (W)	285	48	9	1269	
29	12	1	7	5	2	58	0	0.00	0.0	8	35.7	67	330 (NW)	595	100	0		
30	18	8	13	5	8	52	0	0.00	0.0	8	19.0	50	360 (N)	597	100	4		
31	19	11	15	5	10	50	0	T	T	8	22.8	44	260 (W)	526	88	5	126	
SUM	612	166	----	----	----	1619	0	5.64	44.9	----	1376.0	----	----	6651	----	240	----	
AVG	19.7	5.4	----	----	----	----	----	----	----	----	44.4	FASTEST	DIR	POSS	%	7.7	----	
											MISC. ->	119	230 (SW)	17658	38%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	12.5	TOTAL FOR THE MONTH	5.64	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	7.8	DEPARTURE FROM NORMAL	-0.80			2 = FOG REDUCING VISIBILITY	
HIGHEST	45 on 12th	24 HOUR MAX	0.85 on 11th/12th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	-18 on 17th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	44.9	WITH .01" OR MORE PRECIP	24	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	29	24 HOUR MAX	6.1 on 16th	WITH .10" OR MORE PRECIP	16	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	17 on 9th, 10th	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	9	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.768 on 9th				
		LOWEST SEA-LEVEL	29.399 on 1st				
TOTAL THIS MONTH	1619	AVG STATION	23.577				
DEPARTURE FROM NORMAL	-249						
SEASON TOTAL	7216						
DEPARTURE FROM NORMAL	-482						

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

NOTES:

4TH, 5TH, 17TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

9TH, 16TH, 18TH, 21ST, 26TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR 1 HOUR DUE TO PITOT BEING VANED INCORRECTLY

11TH: NEW DAILY RECORD HIGH OF 42°F; PREVIOUS RECORD OF 40°F ORIGINALLY SET IN 2014

12TH: DAILY RECORD HIGH OF 45°F EQUALED; RECORD ORIGINALLY SET IN 2018.

16TH: PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
77	79	82	83	80

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 369 HOURS OF PREVAILING WINDS FROM THE W, 50% OF THE TOTAL HOURS OF THE MONTH.