

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MARCH				YEAR 2020			
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 SPEED	DIR	TOTAL	% POSS		
1	9	-10	0	9	-9	65	0	0.03	0.3	19	45.9	73	320 (NW)	319	47	6	1269
2	28	9	19	9	10	46	0	0.07	0.7	19	48.4	92	240 (SW)	50	7	10	1269
3	30	25	28	9	19	37	0	0.16	0.8	19	40.4	78	270 (W)	265	38	9	1269
4	29	11	20	9	11	45	0	0.59	4.0	20	85.9	133	270 (W)	0	0	10	1269
5	14	8	11	10	1	54	0	0.10	1.0	19	59.5	112	290 (W)	40	6	10	1269
6	18	5	12	10	2	53	0	0.03	1.2	19	21.0	48	030 (NE)	135	19	10	1269
7	7	-4	2	10	-8	63	0	0.00	0.0	19	49.7	83	320 (NW)	687	98	4	1269
8	22	3	13	10	3	52	0	0.00	0.0	18	62.1	92	290 (W)	651	92	5	
9	34	21	28	11	17	37	0	T	T	18	57.0	84	270 (W)	610	86	6	
10	35	24	30	11	19	35	0	0.45	0.5	17	52.1	97	260 (W)	85	12	10	1246
11	24	9	17	11	6	48	0	0.02	0.2	15	47.3	85	300 (NW)	361	51	8	126
12	22	14	18	11	7	47	0	0.02	0.2	15	27.4	48	210 (SW)	0	0	10	126
13	32	12	22	12	10	43	0	0.43	1.4	14	64.3	108	270 (W)	0	0	10	12469
14	14	6	10	12	-2	55	0	0.09	0.7	14	76.8	117	290 (W)	145	20	9	1269
15	7	-3	2	12	-10	63	0	0.00	0.0	14	42.1	71	300 (NW)	560	77	4	126
16	14	1	8	13	-5	57	0	0.00	0.0	14	21.3	50	240 (SW)	728	100	4	126
17	21	6	14	13	1	51	0	0.25	2.0	13	52.4	109	280 (W)	0	0	10	1269
18	21	9	15	13	2	50	0	0.03	0.5	14	39.7	94	290 (W)	420	57	6	1269
19	36	14	25	14	11	40	0	0.02	0.3	15	26.5	50	180 (S)	0	0	10	126
20	43	20	32	14	18	33	0	0.31	0.2	14	66.5	145	260 (W)	0	0	10	126
21	20	-5	8	14	-6	57	0	0.00	0.0	10	57.7	124	290 (W)	684	92	4	126
22	10	-2	4	15	-11	61	0	0.00	0.0	10	20.0	50	310 (NW)	731	98	0	
23	23	1	12	15	-3	53	0	0.67	7.9	10	27.1	56	160 (S)	30	4	10	126
24	25	9	17	15	2	48	0	0.10	1.1	15	28.5	54	310 (NW)	185	25	9	1269
25	24	9	17	16	1	48	0	0.00	0.0	12	11.8	27	140 (SE)	519	69	9	
26	32	20	26	16	10	39	0	0.07	0.4	12	24.4	59	260 (W)	618	82	5	126
27	27	11	19	16	3	46	0	0.10	0.7	12	56.9	88	320 (NW)	70	9	10	1269
28	32	12	22	17	5	43	0	0.00	0.0	12	22.8	60	310 (NW)	317	41	8	
29	28	15	22	17	5	43	0	0.52	1.4	11	33.7	72	150 (SE)	0	0	10	123469
30	32	19	26	18	8	39	0	0.02	0.1	12	16.1	39	280 (W)	665	86	8	1246
31	21	12	17	18	-1	48	0	0.02	0.2	11	12.1	32	070 (E)	587	76	5	126
SUM	734	281	----	----	----	1499	0	4.10	25.8	----	1297.4	----	----	9462	----	239	----
AVG	23.7	9.1	----	----	----	----	----	----	----	----	41.9	FASTEST	DIR	POSS	42%	7.7	----
											MISC. ->	145	260 (W)	22568			

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	16.4	TOTAL FOR THE MONTH	4.10	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.6	DEPARTURE FROM NORMAL	-3.57			2 = FOG REDUCING VISIBILITY	
HIGHEST	43 on 20th	24 HOUR MAX	0.77 on 23rd/24th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	-10 on 1st			PARTLY CLOUDY (SCALE 4-7)	10	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	20	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	25.8	WITH .01" OR MORE PRECIP	22	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	27	24 HOUR MAX	9.0 on 23rd/24th	WITH .10" OR MORE PRECIP	11	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	20 on 4th	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	5	<u>PRESSURE DATA (IN.)</u>				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.759 on 22nd				
		LOWEST SEA-LEVEL	29.227 on 4th				
TOTAL THIS MONTH	1499	AVG STATION	23.676				
DEPARTURE FROM NORMAL	-118						
SEASON TOTAL	10353						
DEPARTURE FROM NORMAL	-610						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 19.8 INCHES OCCURRED AT 18Z ON THE 4TH.

3RD: DAILY AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR DUE TO LOW WINDS NOT VANING PITOT CORRECTLY

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

6TH, 12TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR TWO HOURS DUE TO LOW WINDS NOT VANING PITOT CORRECTLY

10TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION.

29TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE SNOW DEBRIS IN CAN; SNOWFALL AT THAT ONE COLLECTION REPRESENTED MEASUREMENTS TAKEN AROUND DEBRIS.

29TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR DUE TO ICING ON RM YOUNG SLOWING PROPELLER RESULTING IN ERRONEOUS DATA

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
81	83	83	77	81

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE 267 HOURS OF PREVAILING WINDS FROM THE W 36% OF THE TOTAL HOURS OF THE MONTH.