

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY			YEAR 2021			
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 MILE		TOTAL	% POSS		
												SPEED	DIR				
1	22	4	13	6	7	52	0	0.04	0.4	6	33.8	57	310 (NW)	480	88	5	1269
2	23	12	18	6	12	47	0	0.37	3.0	7	48.4	101	320 (NW)	0	0	10	1269
3	25	17	21	6	15	44	0	0.08	1.1	8	16.0	57	320 (NW)	215	39	8	12
4	20	17	19	5	14	46	0	T	T	10	17.7	34	050 (NE)	40	7	9	126
5	22	17	20	5	15	45	0	0.02	0.2	10	14.0	25	020 (N)	0	0	10	126
6	25	14	20	5	15	45	0	T	T	10	29.8	57	010 (N)	490	89	8	1
7	25	17	21	5	16	44	0	0.00	0.0	10	38.7	64	340 (N)	443	80	10	
8	24	14	19	5	14	46	0	0.00	0.0	9	47.1	86	330 (NW)	525	95	3	126
9	26	16	21	5	16	44	0	0.00	0.0	9	36.8	67	010 (N)	215	39	9	126
10	20	14	17	5	12	48	0	0.00	0.0	9	36.1	59	010 (N)	558	100	5	
11	19	13	16	5	11	49	0	T	0.1	9	28.0	39	290 (W)	206	37	10	126
12	14	5	10	5	5	55	0	0.10	1.2	9	22.2	49	300 (NW)	110	20	9	126
13	12	6	9	5	4	56	0	0.03	0.5	10	24.9	45	290 (W)	0	0	10	126
14	18	11	15	5	10	50	0	0.03	0.2	10	23.3	48	280 (W)	0	0	10	126
15	27	11	19	5	14	46	0	T	0.0	10	14.0	50	160 (S)	475	84	3	126
16	26	15	21	5	16	44	0	1.22	5.9	10	49.3	116	110 (E)	0	0	10	12469
17	15	8	12	4	8	53	0	0.59	5.0	15	74.2	111	280 (W)	0	0	10	1269
18	9	0	5	4	1	60	0	0.24	2.2	17	55.0	79	280 (W)	0	0	10	1269
19				4			0										
20				4			0										
21				4			0										
22				4			0										
23				4			0										
24				4			0										
25				4			0										
26				4			0										
27				5			0										
28				5			0										
29				5			0										
30				5			0										
31				5			0										
SUM	372	211	----	----	----	874	0	2.72	19.8	----	609.3	----	----	3757	----	149	----
AVG	20.7	11.7	----	----	----	----	----	----	----	----	33.9	FASTEST	DIR	POSS	21%	8.3	----
											MISC. ->	116		17658			----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	16.2	TOTAL FOR THE MONTH	2.72	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	11.5	DEPARTURE FROM NORMAL	-3.72	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	27	24 HOUR MAX		PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
LOWEST	0	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	14	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	19.8	WITH .01" OR MORE PRECIP	10	5 = HAIL	
MAX. 32 OR BELOW	18	24 HOUR MAX		WITH .10" OR MORE PRECIP	5	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND		WITH .50" OR MORE PRECIP	2	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	18			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	1					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL					
TOTAL THIS MONTH	874	LOWEST SEA-LEVEL					
DEPARTURE FROM NORMAL	-994	AVG STATION					
SEASON TOTAL							
DEPARTURE FROM NORMAL	-7698						
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 HOURS OF PREVAILING WINDS FROM THE , % OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
				#DIV/0!	

NOTES: 1ST: DAILY AVERAGE WIND SPEED ESTIMATED FOR 1 HOUR DUE TO PITOT NOT VANING PROPERLY IN LIGHT WINDS
2ND: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNTS FROM BLOWING SNOW AND RIME
5TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR 4 HOURS DUE TO RIME BUILD-UP ON RM YOUNG