

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH DECEMBER				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 SPEED	DIR	TOTAL	% POSS			
1	22	8	15	15	0	50	0	0.05	0.8	5	15.5	41	120 (SE)	366	65	9	126	
2	20	8	14	15	-1	51	0	0.13	2.6	6	39.7	70	060 (NE)	0	0	10	1269	
3	21	8	15	14	1	50	0	0.32	3.7	5	51.9	86	330 (NW)	0	0	10	12469	
4	20	8	14	14	0	51	0	0.01	0.1	6	25.4	65	320 (NW)	47	8	10	126	
5	14	-2	6	14	-8	59	0	0.45	3.7	6	45.7	82	290 (W)	0	0	10	1269	
6	8	-1	4	13	-9	61	0	0.11	1.5	6	42.3	74	290 (W)	80	14	9	1269	
7	1	-6	-2	13	-15	67	0	0.16	1.8	7	43.9	72	290 (W)	50	9	9	1269	
8	23	-3	10	13	-3	55	0	0.00	0.0	6	46.9	89	240 (SW)	383	70	5	1269	
9	34	21	28	12	16	37	0	0.67	2.2	6	47.8	88	230 (SW)	0	0	10	1269	
10	34	6	20	12	8	45	0	0.62	0.7	4	61.7	100	340 (N)	0	0	10	1269	
11	6	-5	1	11	-10	64	0	0.04	0.8	3	42.0	99	280 (W)	322	59	5	1269	
12	8	-9	0	11	-11	65	0	0.02	0.6	4	56.6	97	280 (W)	0	0	10	1269	
13	29	6	18	11	7	47	0	0.08	1.2	4	40.8	75	240 (SW)	109	20	10	1246	
14	42	27	35	10	25	30	0	1.35	2.7	4	47.8	91	120 (SE)	0	0	10	1246	
15	28	-7	11	10	1	54	0	0.40	4.4	3	84.9	126	280 (W)	0	0	10	1269	
16	11	-8	2	10	-8	63	0	0.00	0.0	3	66.2	114	280 (W)	530	97	6	1269	
17	21	9	15	9	6	50	0	0.22	3.6	3	23.1	56	280 (W)	0	0	10	126	
18	12	-17	-2	9	-11	67	0	0.38	5.6	6	34.1	71	290 (W)	222	41	8	1269	
19	-3	-23	-13	9	-22	78	0	0.02	0.3	8	78.2	110	300 (NW)	0	0	10	1269	
20	12	-3	5	9	-4	60	0	0.00	0.0	5	41.0	91	320 (NW)	494	91	1	1269	
21	15	9	12	8	4	53	0	0.00	0.0	5	22.1	51	270 (W)	334	62	9		
22	22	14	18	8	10	47	0	0.00	0.0	4	55.8	81	290 (W)	274	50	9	126	
23	30	14	22	8	14	43	0	0.00	0.0	4	66.0	117	280 (W)	448	82	6	1269	
24	22	8	15	8	7	50	0	0.00	0.0	3	57.4	107	280 (W)	543	100	3	1269	
25	22	17	20	7	13	45	0	T	T	3	19.0	27	280 (W)	82	15	9	126	
26	28	17	23	7	16	42	0	0.01	0.1	3	15.0	32	260 (W)	391	72	8	126	
27	34	18	26	7	19	39	0	0.28	0.3	3	53.1	89	260 (W)	0	0	10	1246	
28	18	9	14	7	7	51	0	0.05	0.3	3	60.4	91	290 (W)	110	20	9	126	
29	28	7	18	6	12	47	0	0.06	0.6	3	48.1	99	290 (W)	456	84	9	1246	
30	30	7	19	6	13	46	0	1.02	10.5	6	27.6	57	130 (SE)	0	0	10	12469	
31	22	10	16	6	10	49	0	0.50	4.1	10	31.6	59	130 (SE)	0	0	10	1269	
SUM	634	147	----	----	----	1616	0	6.95	52.2	----	1391.6	----	----	5241	----	264	----	
AVG	20.5	4.7	----	----	----	----	----	----	----	----	44.9	FASTEST	DIR	POSS	31%	8.5	----	
											MISC. ->	126	280 (W)	16968			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	12.6	TOTAL FOR THE MONTH	6.95	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.5	DEPARTURE FROM NORMAL	-0.78			2 = FOG REDUCING VISIBILITY	
HIGHEST	42 on 14th	24 HOUR MAX	1.37 on 13th/14th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-23 on 19th			PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	52.2	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	27	24 HOUR MAX	10.5 on 30th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	10 on 31st	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	11					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.734 on 12th				
		LOWEST SEA-LEVEL	28.966 on 15th				
TOTAL THIS MONTH	1616	AVG STATION	23.553				
DEPARTURE FROM NORMAL	-87						
SEASON TOTAL	5597						
DEPARTURE FROM NORMAL	-233						

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 11.0 INCHES OCCURRED AT 2400 EST ON THE 31ST.
 9TH, 14TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION
 11TH, 17TH, 20TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR 1 HOUR DUE TO PITOT BEING VANED INCORRECTLY
 14TH: NEW DAILY RECORD HIGH OF 42°F; PREVIOUS RECORD OF 41°F ORIGINALLY SET IN 2015.
 14TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO COMPACTING AND BEING ENCASED IN GLAZE ICE
 15TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS.
 19TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM BLOWING SNOW.
 20TH: PEAK WIND DIRECTION ESTIMATED DUE TO EXCESSIVE RIMING TURNING VANE IN WRONG DIRECTION
 27TH: SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO MELTING PRIOR TO COLLECTION
 30TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO COMPACTING OF SNOW BY ICE PELLETS

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
83	79	83	92	84

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 370 HOURS OF PREVAILING WINDS FROM THE W, 50% OF THE TOTAL HOURS OF THE MONTH.