

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JANUARY				2022			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)				STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6,280 FT				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			
1	32	20	26	8	18	39	0	T	T	6	32.8	51	240 (SW)	5	1	10	126	
2	30	2	16	8	8	49	0	0.17	0.9	6	28.1	78	320 (NW)	0	0	10	1246	
3	7	-2	3	8	-5	62	0	0.00	0.0	6	29.0	76	320 (NW)	355	65	10		
4	18	-5	7	8	-1	58	0	0.00	0.0	6	47.3	74	290 (W)	275	50	8	126	
5	24	16	20	7	13	45	0	T	0.1	6	54.0	105	230 (SW)	7	1	10	1269	
6	17	4	11	7	4	54	0	0.14	1.7	6	38.7	72	280 (W)	0	0	10	1269	
7	10	-9	1	7	-6	64	0	0.43	5.1	7	35.4	88	300 (NW)	0	0	10	1269	
8	10	-13	-1	7	-8	66	0	0.00	0.0	8	45.9	92	330 (NW)	555	100	3	1269	
9	28	8	18	7	11	47	0	0.15	1.2	7	71.3	114	280 (W)	0	0	10	1269	
10	9	-20	-5	7	-12	70	0	0.06	0.9	8	73.2	114	290 (W)	60	11	10	1269	
11	-5	-31	-18	6	-24	83	0	0.00	0.0	7	48.2	85	290 (W)	536	96	1	1269	
12	9	-5	2	6	-4	63	0	T	0.2	7	56.5	84	250 (W)	20	4	10	1269	
13	20	9	15	6	9	50	0	0.05	0.5	7	36.9	55	240 (SW)	0	0	10	1269	
14	20	-7	7	6	1	58	0	0.00	0.0	7	34.2	96	330 (NW)	390	69	10	126	
15	-3	-16	-9	6	-15	74	0	0.00	0.0	7	71.1	110	330 (NW)	566	100	1		
16	11	-7	2	6	-4	63	0	0.00	0.0	7	36.0	73	310 (NW)	543	96	1		
17	21	5	13	6	7	52	0	1.78	11.3	7	56.3	144	100 (E)	0	0	10	1269	
18	6	-19	-6	5	-11	71	0	0.55	4.5	10	77.7	110	280 (W)	0	0	10	1269	
19	16	-3	7	5	2	58	0	0.17	1.5	10	64.2	113	240 (SW)	0	0	10	1269	
20	14	-8	3	5	-2	62	0	0.01	0.1	10	50.5	100	270 (W)	340	59	6	1269	
21	3	-9	-3	5	-8	68	0	0.00	0.0	10	20.8	40	300 (NW)	577	100	3		
22	6	-1	3	5	-2	62	0	0.00	0.0	10	18.6	62	250 (W)	548	94	3		
23	0	-5	-2	5	-7	67	0	0.02	0.8	10	40.3	66	260 (W)	0	0	10	1269	
24	-1	-10	-5	5	-10	70	0	0.01	0.4	10	30.1	49	210 (SW)	544	93	5	1269	
25	6	-9	-1	5	-6	66	0	0.07	1.4	11	47.7	67	240 (SW)	0	0	10	1269	
26	-7	-19	-13	5	-18	78	0	0.00	0.0	10	39.8	65	290 (W)	562	96	3	1269	
27	6	-8	-1	5	-6	66	0	0.02	0.2	10	37.3	62	250 (W)	577	98	10	1269	
28	5	1	3	5	-2	62	0	0.04	0.7	10	28.9	63	280 (W)	50	8	10	1269	
29	4	-9	-2	5	-7	67	0	0.83	6.9	11	41.5	118	320 (NW)	0	0	10	1269	
30	-6	-17	-11	5	-16	76	0	0.02	0.2	11	64.3	118	320 (NW)	435	73	8	1269	
31	5	-13	-4	5	-9	69	0	0.00	0.0	11	35.2	56	300 (NW)	521	87	6	126	
SUM	315	-180	----	----	----	1939	0	4.52	38.6	----	1391.8	----	----	7466	----	238	----	
AVG	10.2	-5.8	----	----	----	----	----	----	----	----	44.9	FASTEST	DIR	POSS	42%	7.7	----	
											MISC. ->	144	100 (E)	17658				

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	2.2	TOTAL FOR THE MONTH	4.52	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-3.6	DEPARTURE FROM NORMAL	-1.22			2 = FOG REDUCING VISIBILITY	
HIGHEST	32 on 1st	24 HOUR MAX	1.82 on 17th/18th	CLEAR (SCALE 0-3)	7	TO 1/4 MILE OR LESS	
LOWEST	-31 on 11th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	38.6	WITH .01" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	31	24 HOUR MAX	11.7 on 17th/18th	WITH .10" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	11 on 31st*	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	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	23	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.569 on 8th				
		LOWEST SEA-LEVEL	29.023 on 17th				
TOTAL THIS MONTH	1939	AVG STATION	23.444				
DEPARTURE FROM NORMAL	105						
SEASON TOTAL	7217						
DEPARTURE FROM NORMAL	-269						

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 11 INCHES OCCURRED AT 18Z ON THE 31ST, THE LAST OF SEVERAL OCCURENCES.

7TH, 12TH, 18TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNT IN CAN DUE TO BLOWING SNOW.

10TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO SOME MELTING WHEN BROUGHT INDOORS TO MEASURE.

11TH: NEW DAILY RECORD LOW OF -31°F; PREVIOUS RECORD OF -29°F ORIGINALLY SET IN 1981

17TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS

17TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO RIME CHUNKS FALLING INTO CAN.

20TH: PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO UNREASONABLY HIGH AMOUNT IN CAN DUE TO BLOWING SNOW.

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 335 HOURS OF PREVAILING WINDS FROM THE W, 45% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
77	79	77	79	78	