

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH DECEMBER				YEAR 2022			
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	DEGREE DAY HEAT	DEGREE DAY COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	15	5	10	16	-6	55	0	0.25	1.3	9	81.1	118	280 (W)	0	0	10	1269	
2	25	5	15	16	-1	50	0	0.00	0.0	9	40.0	84	300 (NW)	424	76	8	1269	
3	33	13	23	15	8	42	0	0.24	1.0	9	59.0	107	280 (W)	5	1	10	1246	
4	14	3	9	15	-6	56	0	0.03	0.3	9	53.3	102	290 (W)	50	9	10	1269	
5	23	6	15	15	0	50	0	0.00	0.0	9	44.8	74	240 (SW)	456	82	6	12	
6	28	20	24	14	10	41	0	0.21	1.3	9	41.4	69	170 (S)	0	0	10	12469	
7	40	26	33	14	19	32	0	0.50	T	9	42.9	72	180 (S)	0	0	10	126	
8	30	13	22	14	8	43	0	0.20	1.3	9	44.4	88	300 (NW)	35	6	10	1269	
9	21	14	18	14	4	47	0	0.00	0.0	9	37.2	63	360 (N)	549	100	0		
10	27	20	24	13	11	41	0	0.00	0.0	9	16.1	26	060 (NE)	548	100	1		
11	24	15	20	13	7	45	0	0.08	0.3	8	13.8	23	230 (SW)	0	0	10	126	
12	15	8	12	13	-1	53	0	0.01	0.2	9	28.5	57	330 (NW)	547	100	3	126	
13	12	-6	3	12	-9	62	0	0.33	2.9	8	59.1	103	330 (NW)	10	2	10	1269	
14	15	-9	3	12	-9	62	0	0.11	1.0	11	54.7	105	330 (NW)	0	0	10	1269	
15	20	14	17	12	5	48	0	0.06	0.4	10	43.5	69	110 (E)	255	47	9	126	
16	18	11	15	12	3	50	0	1.45	9.6	10	57.2	89	110 (E)	0	0	10	1269	
17	19	9	14	11	3	51	0	2.06	9.2	17	33.2	76	080 (E)	0	0	10	1269	
18	9	5	7	11	-4	58	0	0.04	0.7	18	38.6	63	290 (W)	0	0	10	1269	
19	8	3	6	11	-5	59	0	0.07	0.6	18	58.3	96	300 (NW)	0	0	10	1269	
20	15	4	10	11	-1	55	0	T	0.2	18	28.0	47	340 (N)	489	90	5	1269	
21	19	10	15	11	4	50	0	0.00	0.0	18	36.4	63	270 (W)	508	94	6	1269	
22	21	12	17	10	7	48	0	0.23	1.6	18	31.8	83	120 (SE)	130	24	10	1269	
23	34	-3	16	10	6	49	0	4.07	9.5	18	75.9	150	110 (E)	0	0	10	12469	
24	-3	-13	-8	10	-18	73	0	0.04	0.6	19	44.7	73	270 (W)	40	7	10	1269	
25	-3	-10	-6	10	-16	71	0	0.04	0.3	19	59.0	91	280 (W)	0	0	10	1269	
26	4	-5	0	9	-9	65	0	0.11	1.7	19	53.1	80	280 (W)	0	0	10	1269	
27	4	0	2	9	-7	63	0	0.11	1.5	19	51.1	91	290 (W)	0	0	10	1269	
28	21	1	11	9	2	54	0	0.06	0.6	19	53.6	77	270 (W)	20	4	10	1269	
29	33	21	27	9	18	38	0	0.00	0.0	19	51.1	85	270 (W)	275	50	9	126	
30	42	32	37	9	28	28	0	0.00	0.0	19	48.5	78	270 (W)	195	36	9	12	
31	39	32	36	8	28	29	0	0.11	0.0	14	43.7	76	260 (W)	10	2	10	12	
SUM	622	256	----	----	----	1568	0	10.41	46.1	----	1424.0	----	----	4546	----	266	----	
AVG	20.1	8.3	----	----	----	----	----	----	----	----	45.9	FASTEST	DIR	POSS	27%	8.6	----	
											MISC. ->	150	110 (E)	16968			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	14.2	TOTAL FOR THE MONTH	10.41	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.4	DEPARTURE FROM NORM	3.06			2 = FOG REDUCING VISIBILITY	
HIGHEST	42 on 30th	24 HOUR MAX	4.22 on 22nd/23rd	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	-13 on 24th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	46.1	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	25	24 HOUR MAX	17.3 on 16th/17th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	19 on 30th*	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	7					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.573 on 6th				
		LOWEST SEA-LEVEL	28.730 on 23rd				
TOTAL THIS MONTH	1568	AVG STATION	23.639				
DEPARTURE FROM NORMAL	-81						
SEASON TOTAL	5155						
DEPARTURE FROM NORMAL	-497						

NOTES: *MAX DEPTH ON GROUND ON 30TH, LAST OF SEVERAL OCCURRENCES.

3RD: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO COMPACTING AND GETTING ENCASED IN GLAZE ICE FROM FREEZING RAIN

7TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE MOISTURE IN CAN FROM WET FOG; SNOWFALL ESTIMATED DUE TO MELTING

PRIOR TO SAME COLLECTION

13TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO RIME CHUNKS FALLING INTO CAN.

16TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN FROM HIGH WINDS

22ND: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

23RD: PRECIPITATION AND SNOWFALL ESTIMATED FOR ONE HOUR DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW

25TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW AND RIME ICE

26TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO RIME CHUNKS FALLING INTO CAN WHILE MELTING.

30TH: NEW DAILY RECORD HIGH OF 42°F; PREVIOUS RECORD OF 40°F ORIGINALLY SET IN 1990

31ST: NEW DAILY RECORD HIGH OF 39°F; PREVIOUS RECORD OF 38°F ORIGINALLY SET IN 1972

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
85	84	89	86	86

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

THERE WERE 301 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.