

WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

LATITUDE
44 DEGREES 16 MINUTES NORTH

LONGITUDE
71 DEGREES 18 MINUTES WEST

STATION
MOUNT WASHINGTON OBSERVATORY

MONTH
DECEMBER

YEAR
2024

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 DAYS HEAT COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE SPEED DIR	TOTAL	% POSS			
1	9	4	7	16	-9	58 0	0.05	1.1	17	30.0	45 290 (W)	103	18	10	1269	
2	7	3	5	16	-11	60 0	0.09	2.2	17	34.3	49 280 (W)	0	0	10	1269	
3	7	2	5	15	-10	60 0	0.08	1.3	18	35.9	62 290 (W)	0	0	10	1269	
4	12	-1	6	15	-9	59 0	0.15	2.9	19	29.1	82 180 (S)	410	74	5	1269	
5	15	9	12	15	-3	53 0	0.61	5.4	20	46.8	104 300 (NW)	0	0	10	1269	
6	9	-6	2	14	-12	63 0	0.33	3.3	23	74.1	116 300 (NW)	25	5	10	1269	
7	7	-5	1	14	-13	64 0	0.12	1.2	23	48.2	80 290 (W)	0	0	10	1269	
8	18	6	12	14	-2	53 0	0.31	3.0	24	54.4	98 290 (W)	0	0	10	1269	
9	25	9	17	14	3	48 0	0.12	1.2	24	29.9	56 300 (NW)	15	3	10	1269	
10	31	17	24	13	11	41 0	0.79	0.9	25	26.0	60 180 (S)	0	0	10	1246	
11	41	30	36	13	23	29 0	2.70	0.0	22	44.0	95 170 (S)	0	0	10	126	
12	34	-3	16	13	3	49 0	0.54	2.1	9	60.7	99 280 (W)	0	0	10	12469	
13	-1	-4	-2	12	-14	67 0	0.05	0.7	9	50.1	79 290 (W)	5	1	10	1269	
14	13	-5	4	12	-8	61 0	0.00	0.0	9	30.4	74 300 (NW)	527	97	1	126	
15	23	12	18	12	6	47 0	0.00	0.0	9	16.6	40 260 (W)	540	99	8		
16	27	21	24	12	12	41 0	0.15	0.1	9	36.2	82 190 (S)	126	23	9	1246	
17	33	18	26	11	15	39 0	1.06	1.3	9	62.2	97 280 (W)	0	0	10	12469	
18	22	15	19	11	8	46 0	0.44	4.3	9	40.2	80 290 (W)	228	42	10	1269	
19	20	1	11	11	0	54 0	0.31	2.4	11	49.3	98 290 (W)	0	0	10	1269	
20	15	4	10	11	-1	55 0	0.09	1.3	11	16.3	40 310 (NW)	0	0	10	1269	
21	9	-14	-2	11	-13	67 0	0.20	1.5	12	41.9	68 310 (NW)	0	0	10	1269	
22	-3	-15	-9	10	-19	74 0	0.00	0.0	13	34.8	64 310 (NW)	500	92	5	129	
23	14	-4	5	10	-5	60 0	0.14	1.8	12	34.3	89 250 (W)	77	14	10	1269	
24	13	5	9	10	-1	56 0	0.50	4.4	13	38.6	93 240 (SW)	150	28	9	1269	
25	27	7	17	10	7	48 0	0.00	0.0	13	12.3	30 020 (N)	536	99	1		
26	33	25	29	9	20	36 0	0.00	0.0	13	5.2	17 220 (SW)	540	99	0		
27	31	27	29	9	20	36 0	0.00	0.0	13	27.7	48 280 (W)	531	98	6		
28	38	28	33	9	24	32 0	0.02	0.0	12	35.8	61 270 (W)	80	15	10	12	
29	40	31	36	9	27	29 0	0.08	0.0	9	39.2	76 190 (S)	120	22	9	126	
30	37	21	29	9	20	36 0	0.50	0.1	3	47.4	86 180 (S)	0	0	10	1246	
31	30	19	25	8	17	40 0	0.00	0.0	2	39.6	75 280 (W)	335	61	8	126	
SUM	636	257	----	----	----	1561 0	9.43	42.5	----	1171.5	----	----	4848	----	261	----
AVG	20.5	8.3	----	----	----	----	----	----	----	37.8	FASTEST DIR	POSS	29%	8.4	----	----
										MISC. ->	116	300 (NW)	16968			

TEMPERATURE DATA (°F)

PRECIPITATION DATA (IN.)

WEATHER

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY
DEPARTURE FROM NORMAL
HIGHEST
LOWEST

14.4
2.6
41 on 11th
-15 on 22nd

TOTAL FOR THE MONTH
DEPARTURE FROM NORM
24 HOUR MAX

9.43
2.08
2.77 on 11th/12th

NUMBER OF DAYS:

CLEAR (SCALE 0-3)
PARTLY CLOUDY (SCALE 4-7)
CLOUDY (SCALE 8-10)

3
3
25

1 = FOG
2 = FOG REDUCING VISIBILITY
TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW
MAX. 90 OR ABOVE
MIN. 32 OR BELOW
MIN. 0 OR BELOW

24
0
31
9

TOTAL FOR THE MONTH
24 HOUR MAX
MAX DEPTH ON GROUND

42.5
7.1 on 5th/6th
25 on 10th

WITH .01" OR MORE PRECIP
WITH .10" OR MORE PRECIP
WITH .50" OR MORE PRECIP
WITH 1.0" OR MORE PRECIP

24
17
7
2

6 = GLAZE OR RIME
7 = BLOWING DUST OR SAND
RED. VIS. TO 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH
DEPARTURE FROM NORMAL
SEASON TOTAL
DEPARTURE FROM NORMAL

1561
-88
5138
-514

HIGHEST SEA-LEVEL
LOWEST SEA-LEVEL
AVG STATION

30.956 on 14th
29.314 on 12th
23.638

NOTES:
5TH, 19TH, 21ST, 24TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW
6TH: PRECIPITATION AND SNOWFALL ESTIMATED AT FOUR COLLECTIONS DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW
7TH: PRECIPITATION ESTIMATED FOR ONE HOUR DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW
7TH, 8TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO RIME ICE ON EDGES OF CAN MELTING INTO MEASURED LIQUID EQUIVALENT PRECIPITATION
7TH, 8TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO RIME ICE CHUNKS FALLING INTO CAN PRIOR TO COLLECTION
20TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE BLOWING SNOW THAT COLLECTED IN THE CAN AFTER PREVIOUS COLLECTION

COOLING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH
DEPARTURE FROM NORMAL
SEASON TOTAL
DEPARTURE FROM NORMAL

0
0
0
0

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600
78

1200
80

1800
80

0000
82

MONTH
80

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 345 HOURS OF PREVAILING WINDS FROM THE W,
46% OF THE TOTAL HOURS OF THE MONTH.