

WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION

MOUNT WASHINGTON OBSERVATORY

MONTH

APRIL

YEAR

2024

LATITUDE

44 DEGREES 16 MINUTES NORTH

LONGITUDE

71 DEGREES 18 MINUTES WEST

GROUND ELEVATION (H)

6280 FT

STANDARD TIME

EASTERN

TEMPERATURE (°F)						DEGREE DAYS			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	28	15	22	18	4	43	0	0.02	0.3	3	18.6	50	300(NW)	355	46	9	126	
2	28	14	21	18	3	44	0	0.00	0.0	3	11.3	37	110(E)	591	76	8	12	
3	18	12	15	19	-4	50	0	0.34	2.9	3	43.2	104	140 (SE)	25	3	10	1269	
4	13	9	11	19	-8	54	0	1.91	11.2	5	66.5	123	080 (E)	0	0	10	1269	
5	22	12	17	19	-2	48	0	0.67	5.8	6	29.8	51	360 (N)	0	0	10	1269	
6	22	11	17	20	-3	48	0	0.50	4.9	11	33.0	49	020 (N)	0	0	10	1269	
7	24	11	18	20	-2	47	0	0.00	0.0	12	32.0	57	020 (N)	467	59	6	1269	
8	32	22	27	20	7	38	0	0.00	0.0	11	37.3	63	310 (NW)	776	97	4		
9	36	27	32	21	11	33	0	0.00	0.0	9	29.2	62	310 (NW)	733	91	8		
10	35	30	33	21	12	32	0	0.28	T	8	31.3	61	240 (SW)	0	0	10	12	
11	41	34	38	22	16	27	0	0.27	0.0	5	37.9	92	160 (S)	0	0	10	12	
12	43	31	37	22	15	28	0	1.41	0.0	2	54.2	109	170 (S)	0	0	10	126	
13	31	15	23	23	0	42	0	0.40	2.1	1	42.5	95	310 (NW)	0	0	10	1269	
14	28	15	22	23	-1	43	0	0.50	3.1	2	48.1	104	310 (NW)	195	24	10	12469	
15	29	23	26	23	3	39	0	0.10	0.4	3	36.9	66	300 (NW)	0	0	10	12469	
16	27	18	23	24	-1	42	0	0.00	0.0	3	55.4	82	300 (NW)	150	18	9	1269	
17	30	18	24	24	0	41	0	0.00	0.0	3	22.1	62	320 (NW)	698	85	8	1269	
18	35	23	29	25	4	36	0	0.04	0.1	3	8.9	22	180 (S)	475	57	9	1246	
19	36	26	31	25	6	34	0	0.01	T	2	21.9	63	250 (W)	61	7	10	126	
20	32	17	25	26	-1	40	0	0.26	1.5	2	43.5	81	310 (NW)	142	17	10	12469	
21	23	15	19	26	-7	46	0	0.03	0.4	3	37.7	75	320 (NW)	15	2	10	1269	
22	20	3	12	27	-15	53	0	0.04	0.4	3	49.8	83	310 (NW)	674	80	3	1269	
23	34	20	27	27	0	38	0	0.00	0.0	3	26.0	54	250 (W)	818	97	4		
24	31	1	16	27	-11	49	0	0.91	3.7	2	47.9	83	320 (NW)	0	0	10	1269	
25	17	1	9	28	-19	56	0	0.00	0.0	4	43.3	79	330 (NW)	849	100	3	1	
26	25	12	19	28	-9	46	0	0.00	0.0	4	19.1	37	300 (NW)	851	100	1		
27	37	22	30	29	1	35	0	T	0.0	3	14.8	38	280 (W)	534	63	6	12	
28	46	36	41	29	12	24	0	0.69	0.0	2	34.5	75	300 (NW)	0	0	10	123	
29	42	33	38	30	8	27	0	0.06	0.0	T	31.4	84	310 (NW)	532	62	8	12	
30	45	35	40	30	10	25	0	0.30	0.0	T	29.3	53	270 (W)	0	0	10	12	
SUM	910	561	----	----	----	1208	0	8.74	36.8	----	1037.4	----	----	8941	----	246	----	
AVG	30.3	18.7	----	----	----	----	----	----	----	----	34.6	FASTEST	DIR	POSS	36%	8.2	----	
											MISC. ->	123	080 (E)	24607				----

TEMPERATURE DATA (°F)

PRECIPITATION DATA (IN.)

WEATHER

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY

24.5

TOTAL FOR THE MONTH

8.74

NUMBER OF DAYS:

1 = FOG

DEPARTURE FROM NORMAL

0.8

DEPARTURE FROM NORMAL

1.43

2 = FOG REDUCING VISIBILITY

HIGHEST

46 on 28th

24 HOUR MAX

1.92 on 3rd/4th

CLEAR (SCALE 0-3)

3

TO 1/4 MILE OR LESS

LOWEST

1 on 24th, 25th

PARTLY CLOUDY (SCALE 4-7)

4

3 = THUNDER

SNOWFALL, ICE PELLETS (IN.)

CLOUDY (SCALE 8-10)

23

4 = ICE PELLETS

NUMBER OF DAYS WITH:

5 = HAIL

MAX. 32 OR BELOW

19

TOTAL FOR THE MONTH

36.8

WITH .01" OR MORE PRECIP

20

6 = GLAZE OR RIME

MAX. 90 OR ABOVE

0

24 HOUR MAX

12.4 3rd/4th

WITH .10" OR MORE PRECIP

14

7 = BLOWING DUST OR SAND

MIN. 32 OR BELOW

26

MAX DEPTH ON GROUND

12 on 7th

WITH .50" OR MORE PRECIP

7

RED. VIS. TO 1/2 MILE OR LESS

MIN. 0 OR BELOW

0

WITH 1.0" OR MORE PRECIP

2

8 = SMOKE OR HAZE

PRESSURE DATA (IN.)

9 = BLOWING SNOW

X = TORNADO

HEATING DEGREE DAYS (BASE 65°F)

HIGHEST SEA-LEVEL

30.657 on 27th

LOWEST SEA-LEVEL

29.466 on 4th

TOTAL THIS MONTH

1208

AVG STATION

23.660

DEPARTURE FROM NORMAL

-31

SEASON TOTAL

10990

DEPARTURE FROM NORMAL

-1007

COOLING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH

0

DEPARTURE FROM NORMAL

0

SEASON TOTAL

0

DEPARTURE FROM NORMAL

0

NOTES:

4TH: PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO UNREALISTICALLY LOW AMOUNT IN CAN DUE TO HIGH WINDS

10TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION

11TH/12TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN FROM HIGH WINDS

11TH,12TH: FASTEST 2-MINUTE WIND DIRECTION TAKEN FROM FT TECH DUE TO RM YOUNG BECOMING MISALIGNED

13TH/14TH, 15TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO RIME CHUNKS FALLING INTO CAN PRIOR TO COLLECTION

14TH, 22ND: PEAK WIND DIRECTION ESTIMATED DUE TO ICING ON FT TECH CAUSING IT TO REPORT INCORRECTLY

14TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO COMPACTION FROM WET SNOW

17TH: SKY COVER ESTIMATED FOR ONE HOUR DUE TO A FAILURE IN REPORTING

25TH: NEW DAILY RECORD LOW OF 1°F; PREVIOUS RECORD OF 3°F ORIGINALLY SET IN 1956

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600

1200

1800

0000

MONTH

82

84

85

84

84

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

THERE WERE 192 HOURS OF PREVAILING WINDS FROM THE W,

27% OF THE TOTAL HOURS OF THE MONTH.