

WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

LATITUDE
44 DEGREES 16 MINUTES NORTH

LONGITUDE
71 DEGREES 18 MINUTES WEST

GROUND ELEVATION (H)
6280 FT

STANDARD TIME
EASTERN

STATION
MOUNT WASHINGTON OBSERVATORY

MONTH
FEBRUARY

YEAR
2025

TEMPERATURE (°F)						DEGREE DAYS		PRECIPITATION (IN.)			WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER	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	16	-13	2	5	-3	63	0	0.10	1.5	7	40.3	85	320 (NW)	355	59	5	1269
2	6	-5	1	5	-4	64	0	0.03	1.1	6	25.5	68	230 (SW)	298	49	9	1269
3	25	2	14	5	9	51	0	0.38	3.3	7	49.9	83	270 (W)	275	45	9	1269
4	14	-12	1	5	-4	64	0	0.28	3.0	8	59.5	105	290 (W)	0	0	10	1269
5	6	-15	-4	5	-9	69	0	0.00	0.0	7	53.9	82	300 (NW)	613	100	1	126
6	18	3	11	5	6	54	0	0.10	1.4	7	41.3	82	270 (W)	0	0	10	1269
7	14	-3	6	5	1	59	0	0.36	3.4	8	73.8	114	280 (W)	0	0	10	1269
8	6	-5	1	5	-4	64	0	0.13	2.1	8	47.4	89	280 (W)	15	2	10	1269
9	6	1	4	5	-1	61	0	0.38	6.1	13	27.3	54	280 (W)	15	2	10	1269
10	2	-10	-4	5	-9	69	0	0.18	1.9	14	59.6	93	280 (W)	0	0	10	1269
11	2	-7	-2	5	-7	67	0	0.19	1.9	13	45.3	76	270 (W)	0	0	10	1269
12	15	0	8	5	3	57	0	0.03	0.6	14	29.1	54	170 (S)	180	29	9	1269
13	25	2	14	5	9	51	0	0.41	3.7	12	59.4	111	290 (W)	0	0	10	12469
14	2	-11	-4	6	-10	69	0	0.08	1.0	11	83.4	131	290 (W)	0	0	10	1269
15	10	-11	0	6	-6	65	0	0.08	1.1	10	37.6	79	310 (NW)	363	57	8	1246
16	25	5	15	6	9	50	0	1.04	11.1	11	36.4	96	280 (W)	0	0	10	12469
17	6	-15	-4	6	-10	69	0	0.10	1.4	13	108.7	161	280 (W)	0	0	10	1269
18	-12	-18	-15	6	-21	80	0	T	T	9	86.1	137	280 (W)	24	4	10	1269
19	13	-15	-1	6	-7	66	0	0.00	0.0	9	35.3	79	300 (NW)	419	64	5	126
20	14	5	10	7	3	55	0	0.02	0.3	9	14.9	42	010 (N)	634	97	5	126
21	6	-6	0	7	-7	65	0	0.03	0.4	9	51.9	83	310 (NW)	435	66	6	1269
22	6	-10	-2	7	-9	67	0	0.00	0.0	9	53.4	106	320 (NW)	626	95	4	1269
23	7	4	6	7	-1	59	0	0.26	3.1	8	54.3	76	290 (W)	0	0	10	1269
24	21	5	13	8	5	52	0	0.06	0.6	8	35.7	90	240 (SW)	339	51	6	1269
25	28	19	24	8	16	41	0	0.35	3.7	8	38.1	78	250 (W)	25	4	10	1269
26	21	9	15	8	7	50	0	0.23	1.7	11	55.6	91	310 (NW)	8	1	10	12469
27	25	14	20	8	12	45	0	0.14	1.5	11	44.1	89	270 (W)	0	0	10	12469
28	17	-2	8	8	0	57	0	0.19	1.5	11	55.9	103	300 (NW)	183	27	9	1269
SUM	344	-89	----	----	----	1683	0	5.15	57.4	----	1403.7	----	----	4807	----	236	----
AVG	12.3	-3.2	----	----	----	----	----	----	----	----	50.1	FASTEST	DIR	POSS	27%	8.4	----
											MISC. ->	161	280 (W)	17905			

TEMPERATURE DATA (°F)

PRECIPITATION DATA (IN.)

WEATHER

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY
DEPARTURE FROM NORMAL
HIGHEST
LOWEST

4.6
-1.3
28 on 25th
-18 on 18th

TOTAL FOR THE MONTH
DEPARTURE FROM NORMAL
24 HOUR MAX
SNOWFALL, ICE PELLETS (IN.)

5.15
-0.30
1.04 on 16th

NUMBER OF DAYS:
CLEAR (SCALE 0-3)
PARTLY CLOUDY (SCALE 4-7)
CLOUDY (SCALE 8-10)

1
6
21

1 = FOG
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = GLAZE OR RIME
7 = BLOWING DUST OR SAND
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

NUMBER OF DAYS WITH:
MAX. 32 OR BELOW
MAX. 90 OR ABOVE
MIN. 32 OR BELOW
MIN. 0 OR BELOW

28
0
28
17

TOTAL FOR THE MONTH
24 HOUR MAX
MAX DEPTH ON GROUND
PRESSURE DATA (IN.)

57.4
11.1 on 16th
14 on 10th, 12th

HIGHEST SEA-LEVEL
LOWEST SEA-LEVEL
AVG STATION

30.569 on 2nd
28.950 on 16th
23.443

HEATING DEGREE DAYS (BASE 65°F)
TOTAL THIS MONTH
DEPARTURE FROM NORMAL
SEASON TOTAL
DEPARTURE FROM NORMAL

1683
28
8780
-361

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 17 INCHES OCCURRED AT 2358Z ON THE 16TH
17TH: PRECIPITATION AND SNOWFALL ESTIMATED AT THREE COLLECTIONS DUE HIGH WINDS AND LIKELY AN UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW
17TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF OBSERVER ESIMATED WIND SPEED DUE TO ICE IN TP PITOT LINE
18TH: PRECIPITATION AND SNOWFALL ESTIMATED FOR ONE HOUR DUE HIGH WINDS AND LIKELY AN UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW
18TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF OBSERVER ESIMATED WIND SPEEDS DUE TO ICE IN TP PITOT LINE

COOLING DEGREE DAYS (BASE 65F)
TOTAL THIS MONTH
DEPARTURE FROM NORMAL
SEASON TOTAL
DEPARTURE FROM NORMAL

0
0
0
0

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
81	80	80	88	82

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 318 HOURS OF PREVAILING WINDS FROM THE W,
47% OF THE TOTAL HOURS OF THE MONTH.