

| WS FORM F-6                           |      |     |      |      |        |             |      |               |                     | STATION                      |           |                    |          |       |                    |     |                    |                |  |
|---------------------------------------|------|-----|------|------|--------|-------------|------|---------------|---------------------|------------------------------|-----------|--------------------|----------|-------|--------------------|-----|--------------------|----------------|--|
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA |      |     |      |      |        |             |      |               |                     | MOUNT WASHINGTON OBSERVATORY |           |                    |          |       |                    |     |                    |                |  |
| LATITUDE                              |      |     |      |      |        |             |      |               |                     | MONTH                        |           |                    |          |       |                    |     |                    |                |  |
| 44 DEGREES 16 MINUTES NORTH           |      |     |      |      |        |             |      |               |                     | FEBRUARY                     |           |                    |          |       |                    |     |                    |                |  |
| LONGITUDE                             |      |     |      |      |        |             |      |               |                     | YEAR                         |           |                    |          |       |                    |     |                    |                |  |
| 71 DEGREES 18 MINUTES WEST            |      |     |      |      |        |             |      |               |                     | 2023                         |           |                    |          |       |                    |     |                    |                |  |
| TEMPERATURE (°F)                      |      |     |      |      |        |             |      |               |                     | 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 SPEED | DIR      | TOTAL | % POSS             |     |                    |                |  |
| 1                                     | -1   | -7  | -4   | 5    | -9     | 69          | 0    | 0.00          | 0.0                 | 24                           | 28.0      | 65                 | 280 (W)  | 467   | 78                 | 8   | 126                |                |  |
| 2                                     | 5    | -5  | 0    | 5    | -5     | 65          | 0    | 0.00          | 0.0                 | 23                           | 51.0      | 95                 | 260 (W)  | 11    | 2                  | 10  | 1269               |                |  |
| 3                                     | 5    | -46 | -20  | 5    | -25    | 85          | 0    | 0.21          | 1.4                 | 24                           | 87.0      | 127                | 270 (W)  | 190   | 31                 | 10  | 1269               |                |  |
| 4                                     | -5   | -47 | -26  | 5    | -31    | 91          | 0    | 0.00          | 0.0                 | 23                           | 73.7      | 118                | 320 (NW) | 610   | 100                | 4   | 129                |                |  |
| 5                                     | 20   | -6  | 7    | 5    | 2      | 58          | 0    | 0.06          | 0.8                 | 23                           | 58.9      | 85                 | 270 (W)  | 298   | 49                 | 10  | 1269               |                |  |
| 6                                     | 20   | 13  | 17   | 5    | 12     | 48          | 0    | 0.01          | 0.1                 | 23                           | 40.6      | 71                 | 270 (W)  | 182   | 30                 | 9   | 1269               |                |  |
| 7                                     | 28   | 17  | 23   | 5    | 18     | 42          | 0    | 0.20          | 1.4                 | 23                           | 32.5      | 95                 | 270 (W)  | 538   | 87                 | 6   | 1269               |                |  |
| 8                                     | 21   | 13  | 17   | 5    | 12     | 48          | 0    | 0.07          | 0.5                 | 24                           | 67.3      | 99                 | 300 (NW) | 0     | 0                  | 10  | 1269               |                |  |
| 9                                     | 32   | 13  | 23   | 5    | 18     | 42          | 0    | 0.12          | 0.6                 | 23                           | 45.5      | 90                 | 220 (SW) | 272   | 44                 | 9   | 1269               |                |  |
| 10                                    | 34   | 15  | 25   | 5    | 20     | 40          | 0    | 0.58          | 0.8                 | 23                           | 65.8      | 108                | 270 (W)  | 0     | 0                  | 10  | 12469              |                |  |
| 11                                    | 15   | 1   | 8    | 5    | 3      | 57          | 0    | 0.16          | 1.2                 | 24                           | 60.0      | 103                | 290 (W)  | 404   | 64                 | 4   | 1269               |                |  |
| 12                                    | 25   | 8   | 17   | 5    | 12     | 48          | 0    | 0.00          | 0.0                 | 24                           | 48.3      | 88                 | 280 (W)  | 365   | 58                 | 9   | 126                |                |  |
| 13                                    | 29   | 15  | 22   | 5    | 17     | 43          | 0    | 0.01          | 0.2                 | 24                           | 18.9      | 41                 | 270 (W)  | 520   | 82                 | 6   | 126                |                |  |
| 14                                    | 26   | 12  | 19   | 6    | 13     | 46          | 0    | 0.28          | 2.2                 | 25                           | 49.5      | 81                 | 290 (W)  | 0     | 0                  | 10  | 1269               |                |  |
| 15                                    | 34   | 24  | 29   | 6    | 23     | 36          | 0    | T             | T                   | 25                           | 53.7      | 130                | 270 (W)  | 81    | 13                 | 10  | 126                |                |  |
| 16                                    | 33   | 23  | 28   | 6    | 22     | 37          | 0    | 0.02          | 0.1                 | 24                           | 59.6      | 127                | 270 (W)  | 335   | 52                 | 10  | 126                |                |  |
| 17                                    | 38   | -5  | 17   | 6    | 11     | 48          | 0    | 0.28          | 0.3                 | 23                           | 58.0      | 111                | 250 (W)  | 0     | 0                  | 10  | 123469             |                |  |
| 18                                    | 10   | -4  | 3    | 6    | -3     | 62          | 0    | 0.01          | 0.3                 | 23                           | 46.3      | 85                 | 290 (W)  | 606   | 93                 | 6   | 1269               |                |  |
| 19                                    | 23   | 7   | 15   | 6    | 9      | 50          | 0    | 0.01          | 0.2                 | 23                           | 43.7      | 85                 | 260 (W)  | 431   | 66                 | 10  | 1269               |                |  |
| 20                                    | 23   | 7   | 15   | 7    | 8      | 50          | 0    | 0.12          | 1.5                 | 23                           | 51.4      | 90                 | 290 (W)  | 29    | 4                  | 10  | 1269               |                |  |
| 21                                    | 17   | 8   | 13   | 7    | 6      | 52          | 0    | 0.08          | 0.8                 | 24                           | 32.0      | 73                 | 270 (W)  | 465   | 71                 | 8   | 1269               |                |  |
| 22                                    | 20   | 0   | 10   | 7    | 3      | 55          | 0    | 0.15          | 1.5                 | 24                           | 50.1      | 88                 | 280 (W)  | 335   | 51                 | 9   | 1269               |                |  |
| 23                                    | 20   | 12  | 16   | 7    | 9      | 49          | 0    | 0.52          | 4.8                 | 25                           | 34.6      | 91                 | 260 (W)  | 0     | 0                  | 10  | 1269               |                |  |
| 24                                    | 17   | -19 | -1   | 8    | -9     | 66          | 0    | 0.17          | 1.2                 | 28                           | 62.5      | 96                 | 280 (W)  | 0     | 0                  | 10  | 1269               |                |  |
| 25                                    | -4   | -20 | -12  | 8    | -20    | 77          | 0    | 0.04          | 0.5                 | 27                           | 41.1      | 70                 | 310 (NW) | 217   | 32                 | 9   | 1269               |                |  |
| 26                                    | 5    | -9  | -2   | 8    | -10    | 67          | 0    | 0.16          | 2.0                 | 27                           | 42.5      | 81                 | 300 (NW) | 60    | 9                  | 10  | 1269               |                |  |
| 27                                    | 6    | -5  | 1    | 8    | -7     | 64          | 0    | 0.03          | 0.3                 | 27                           | 29.3      | 77                 | 330 (NW) | 430   | 64                 | 8   | 1269               |                |  |
| 28                                    | 12   | -2  | 5    | 8    | -3     | 60          | 0    | 0.84          | 9.5                 | 28                           | 35.1      | 66                 | 280 (W)  | 0     | 0                  | 10  | 1269               |                |  |
| SUM                                   | 508  | 13  | ---- | ---- | ----   | 1555        | 0    | 4.13          | 32.2                | ----                         | 1366.9    | ----               | ----     | 6846  | ----               | 245 | ----               |                |  |
| AVG                                   | 18.1 | 0.5 | ---- | ---- | ----   | ----        | ---- | ----          | ----                | ----                         | 48.8      | FASTEST            | DIR      | POSS  | 38%                | 8.8 | ----               |                |  |
|                                       |      |     |      |      |        |             |      |               |                     |                              | MISC. ->  | 130                | 270 (W)  | 17905 |                    |     | ----               |                |  |

  

| TEMPERATURE DATA (°F)           |            | PRECIPITATION DATA (IN.)    |                  | WEATHER                   |    | SYMBOLS USED IN COLUMN 16     |  |
|---------------------------------|------------|-----------------------------|------------------|---------------------------|----|-------------------------------|--|
| AVERAGE MONTHLY                 | 9.3        | TOTAL FOR THE MONTH         | 4.13             | NUMBER OF DAYS:           |    | 1 = FOG                       |  |
| DEPARTURE FROM NORMAL           | 3.4        | DEPARTURE FROM NORMAL       | -1.32            |                           |    | 2 = FOG REDUCING VISIBILITY   |  |
| HIGHEST                         | 38 on 17th | 24 HOUR MAX                 | 0.84 on 28th     | CLEAR (SCALE 0-3)         | 0  | TO 1/4 MILE OR LESS           |  |
| LOWEST                          | -47 on 4th |                             |                  | PARTLY CLOUDY (SCALE 4-7) | 5  | 3 = THUNDER                   |  |
|                                 |            | SNOWFALL, ICE PELLETS (IN.) |                  | CLOUDY (SCALE 8-10)       | 23 | 4 = ICE PELLETS               |  |
| NUMBER OF DAYS WITH:            |            |                             |                  |                           |    | 5 = HAIL                      |  |
|                                 |            | TOTAL FOR THE MONTH         | 32.2             | WITH .01" OR MORE PRECIP  | 23 | 6 = GLAZE OR RIME             |  |
| MAX. 32 OR BELOW                | 24         | 24 HOUR MAX                 | 9.5 on 28th      | WITH .10" OR MORE PRECIP  | 13 | 7 = BLOWING DUST OR SAND      |  |
| MAX. 90 OR ABOVE                | 0          | MAX DEPTH ON GROUND         | 28 on 24th, 28th | WITH .50" OR MORE PRECIP  | 3  | RED. VIS. TO 1/2 MILE OR LESS |  |
| MIN. 32 OR BELOW                | 28         |                             |                  | WITH 1.0" OR MORE PRECIP  | 0  | 8 = SMOKE OR HAZE             |  |
| MIN. 0 OR BELOW                 | 13         | PRESSURE DATA (IN.)         |                  |                           |    | 9 = BLOWING SNOW              |  |
|                                 |            |                             |                  |                           |    | X = TORNADO                   |  |
| HEATING DEGREE DAYS (BASE 65°F) |            | HIGHEST SEA-LEVEL           | 30.434 on 9th    |                           |    |                               |  |
|                                 |            | LOWEST SEA-LEVEL            | 29.412 on 3rd    |                           |    |                               |  |
| TOTAL THIS MONTH                | 1555       | AVG STATION                 | 23.480           |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | -100       |                             |                  |                           |    |                               |  |
| SEASON TOTAL                    | 8224       |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | -917       |                             |                  |                           |    |                               |  |
| COOLING DEGREE DAYS (BASE 65°F) |            |                             |                  |                           |    |                               |  |
| TOTAL THIS MONTH                | 0          |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 0          |                             |                  |                           |    |                               |  |
| SEASON TOTAL                    | 0          |                             |                  |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 0          |                             |                  |                           |    |                               |  |

  

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|--|--|--|--|--|
| NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 33 INCHES OCCURRED AT 1847Z ON THE 28TH   |  |  |  |  |
| 3RD: NEW DAILY RECORD LOW OF -46°F; PREVIOUS RECORD OF -32°F ORIGINALLY SET IN 1963  |  |  |  |  |
| 3RD: MONTHLY RECORD LOW OF -46°F EQUALED; RECORD ORIGINALLY SET ON 15 FEBRUARY 1943  |  |  |  |  |
| 4TH: NEW DAILY RECORD LOW OF -47°F; PREVIOUS RECORD OF -35°F ORIGINALLY SET IN 1963.   |  |  |  |  |
| 4TH: NEW MONTHLY RECORD LOW OF -47°F; PREVIOUS MONTHLY RECORD OF -46°F ORIGINALLY SET ON 15 FEBRUARY 1943 AND EQUALED ON 3 FEBRUARY 2023   |  |  |  |  |
| 4TH: ALL TIME RECORD LOW OF -47°F EQUALED; RECORD ORIGINALLY SET ON 29 JANUARY 1934.   |  |  |  |  |
| 5TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME AND BLOWING SNOW IN CAN                                  |  |  |  |  |
| 10TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING AND REFREEZING PRIOR TO COLLECTION   |  |  |  |  |
| 17TH: NEW DAILY RECORD HIGH OF 38°F; PREVIOUS RECORD OF 34°F SET IN 2006 AND EQUALED IN 2022.  |  |  |  |  |
| 19TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME DEBRIS IN CAN; SNOWFALL REPRESENTS MEASUREMENTS TAKEN AROUND DEBRIS. |  |  |  |  |

  

| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR |      |      |      |       |
|--|------|------|------|-------|
| 0600   | 1200 | 1800 | 0000 | MONTH |
| 76   | 76   | 87   | 89   | 82    |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 363 HOURS OF PREVAILING WINDS FROM THE W, 54% OF THE TOTAL HOURS OF THE MONTH.