

|   |     |     |      |      |   |      |      |      |      |   |            |                        |            |              |                          |                    |        |                    |                |
|---|-----|-----|------|------|---|------|------|------|------|---|------------|------------------------|------------|--------------|--------------------------|--------------------|--------|--------------------|----------------|
| WS FORM F-6                             |     |     |      |      |   |      |      |      |      | STATION<br>MOUNT WASHINGTON OBSERVATORY |            |                        |            |              |                          |                    |        |                    |                |
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA   |     |     |      |      |   |      |      |      |      | MONTH<br>FEBRUARY                       |            |                        |            |              | YEAR<br>2012             |                    |        |                    |                |
| LATITUDE<br>44 DEGREES 16 MINUTES NORTH |     |     |      |      | LONGITUDE<br>71 DEGREES 18 MINUTES WEST |      |      |      |      | GROUND ELEVATION (H)<br>6280 FT         |            |                        |            |              | STANDARD TIME<br>EASTERN |                    |        |                    |                |
| TEMPERATURE (°F)                        |     |     |      |      |   |      |      |      |      | PRECIPITATION (IN.)                     |            |                        | WIND (MPH) |              |                          | SUNSHINE (MINUTES) |        | SKY COVER (TENTHS) | WEATHER OCCUR. |
| DEGREE DAYS                             |     |     |      |      |   |      |      |      |      | TOTAL (EQUIV)                           | SNOW & ICE | SNOW/ICE ON GROUND-6AM | AVG SPEED  | FASTEST MILE |                          | TOTAL              | % POSS | (TENTHS)           |                |
| DAY                                     | MAX | MIN | AVG  | NORM | DEPART                                  | HEAT | COOL |      |      |   |            |                        | SPEED      | DIR          |                          |                    |        |                    |                |
| 1                                       | 30  | 15  | 23   | 5    | 18                                      | 42   | 0    | 0.63 | 3.0  | 27                                      | 57.5       | 86                     | W          | 0            | 0                        | 10                 | 12469  |                    |                |
| 2                                       | 18  | 3   | 11   | 5    | 6                                       | 54   | 0    | 0.05 | 0.5  | 28                                      | 29.7       | 77                     | W          | 568          | 94                       | 8                  | 1269   |                    |                |
| 3                                       | 7   | -2  | 3    | 5    | -2                                      | 62   | 0    | 0.05 | 0.7  | 27                                      | 48.4       | 74                     | W          | 355          | 58                       | 8                  | 1269   |                    |                |
| 4                                       | 6   | -3  | 2    | 5    | -3                                      | 63   | 0    | 0.06 | 1.2  | 27                                      | 54.5       | 84                     | W          | 150          | 25                       | 8                  | 1269   |                    |                |
| 5                                       | 7   | -2  | 3    | 5    | -2                                      | 62   | 0    | 0.04 | 0.4  | 27                                      | 44.6       | 68                     | NW         | 613          | 100                      | 0                  | 1269   |                    |                |
| 6                                       | 18  | 5   | 12   | 5    | 7                                       | 53   | 0    | 0.15 | 1.2  | 27                                      | 71.0       | 107                    | W          | 32           | 5                        | 10                 | 1269   |                    |                |
| 7                                       | 14  | -7  | 4    | 5    | -1                                      | 61   | 0    | 0.26 | 2.2  | 26                                      | 53.8       | 83                     | W          | 0            | 0                        | 10                 | 1269   |                    |                |
| 8                                       | 14  | -6  | 4    | 5    | -1                                      | 61   | 0    | 0.00 | 0.0  | 26                                      | 40.3       | 61                     | NW         | 581          | 94                       | 4                  | 9      |                    |                |
| 9                                       | 15  | 9   | 12   | 5    | 7                                       | 53   | 0    | 0.00 | 0.0  | 26                                      | 43.3       | 71                     | NW         | 616          | 99                       | 1                  | 9      |                    |                |
| 10                                      | 18  | 9   | 14   | 6    | 8                                       | 51   | 0    | 0.00 | 0.0  | 25                                      | 33.4       | 49                     | W          | 544          | 87                       | 4                  | 126    |                    |                |
| 11                                      | 13  | -7  | 3    | 6    | -3                                      | 62   | 0    | 0.04 | 1.4  | 25                                      | 25.5       | 72                     | NW         | 0            | 0                        | 10                 | 1269   |                    |                |
| 12                                      | -7  | -23 | -15  | 6    | -21                                     | 80   | 0    | 0.00 | 0.0  | 25                                      | 68.0       | 96                     | NW         | 65           | 10                       | 10                 | 1269   |                    |                |
| 13                                      | 7   | -16 | -4   | 6    | -10                                     | 69   | 0    | 0.00 | 0.0  | 25                                      | 77.0       | 118                    | W          | 15           | 2                        | 10                 | 1269   |                    |                |
| 14                                      | 14  | 4   | 9    | 6    | 3                                       | 56   | 0    | 0.00 | 0.0  | 24                                      | 36.0       | 60                     | W          | 419          | 66                       | 8                  | 1269   |                    |                |
| 15                                      | 20  | 13  | 17   | 6    | 11                                      | 48   | 0    | T    | 0.2  | 24                                      | 23.0       | 51                     | W          | 0            | 0                        | 10                 | 1269   |                    |                |
| 16                                      | 22  | 14  | 18   | 7    | 11                                      | 47   | 0    | 0.01 | 0.6  | 24                                      | 20.5       | 40                     | W          | 522          | 81                       | 5                  | 1269   |                    |                |
| 17                                      | 24  | 9   | 17   | 7    | 10                                      | 48   | 0    | 0.20 | 1.9  | 24                                      | 43.9       | 76                     | W          | 0            | 0                        | 10                 | 1269   |                    |                |
| 18                                      | 10  | 5   | 8    | 7    | 1                                       | 57   | 0    | 0.18 | 2.2  | 24                                      | 51.3       | 76                     | W          | 0            | 0                        | 10                 | 1269   |                    |                |
| 19                                      | 6   | 0   | 3    | 7    | -4                                      | 62   | 0    | 0.04 | 0.7  | 24                                      | 47.0       | 66                     | NW         | 255          | 39                       | 8                  | 1269   |                    |                |
| 20                                      | 14  | -1  | 7    | 7    | 0                                       | 58   | 0    | 0.02 | 0.3  | 24                                      | 59.2       | 88                     | N          | 399          | 61                       | 5                  | 1269   |                    |                |
| 21                                      | 22  | 11  | 17   | 8    | 9                                       | 48   | 0    | T    | 0.2  | 23                                      | 31.6       | 76                     | W          | 464          | 71                       | 8                  | 1269   |                    |                |
| 22                                      | 22  | 15  | 19   | 8    | 11                                      | 46   | 0    | 0.14 | 1.6  | 23                                      | 47.1       | 77                     | W          | 25           | 4                        | 10                 | 1269   |                    |                |
| 23                                      | 24  | 8   | 16   | 8    | 8                                       | 49   | 0    | 0.18 | 2.3  | 23                                      | 51.0       | 81                     | NW         | 0            | 0                        | 10                 | 12469  |                    |                |
| 24                                      | 23  | 9   | 16   | 8    | 8                                       | 49   | 0    | 0.51 | 5.0  | 24                                      | 28.2       | 61                     | NW         | 0            | 0                        | 10                 | 1269   |                    |                |
| 25                                      | 18  | -5  | 7    | 9    | -2                                      | 58   | 0    | 0.34 | 4.8  | 26                                      | 76.5       | 107                    | W          | 0            | 0                        | 10                 | 1269   |                    |                |
| 26                                      | -1  | -11 | -6   | 9    | -15                                     | 71   | 0    | 0.03 | 0.4  | 26                                      | 72.7       | 111                    | NW         | 543          | 81                       | 3                  | 1269   |                    |                |
| 27                                      | 20  | -2  | 9    | 9    | 0                                       | 56   | 0    | 0.05 | 1.0  | 26                                      | 48.6       | 80                     | W          | 75           | 11                       | 10                 | 1269   |                    |                |
| 28                                      | 12  | -2  | 5    | 9    | -4                                      | 60   | 0    | 0.03 | 0.3  | 25                                      | 58.1       | 107                    | NW         | 330          | 49                       | 8                  | 1269   |                    |                |
| 29                                      | 18  | 0   | 9    | 9    | 0                                       | 56   | 0    | 0.03 | 0.7  | 25                                      | 27.0       | 42                     | W          | 325          | 48                       | 10                 | 1269   |                    |                |
| SUM                                     | 428 | 42  | ---- | ---- | ----                                    | 1642 | 0    | 3.04 | 32.8 | ----                                    | 1368.7     | ----                   | ----       | 6896         | ----                     | 228                | ----   |                    |                |
| AVG                                     | 15  | 1   | ---- | ---- | ----                                    | ---- | ---- | ---- | ---- | ----                                    | 47.2       | FASTEST                | DIR        | POSS         | %                        |                    | ----   |                    |                |
|   |     |     |      |      |   |      |      |      |      |   | MISC. ->   | 118                    | W          | 18586        | 37%                      | 7.9                | ----   |                    |                |

|                                 |             |                                    |                   |                           |    |                                  |  |
|---------------------------------|-------------|------------------------------------|-------------------|---------------------------|----|----------------------------------|--|
| <u>TEMPERATURE DATA (°F)</u>    |             | <u>PRECIPITATION DATA (IN.)</u>    |                   | <u>WEATHER</u>            |    | <u>SYMBOLS USED IN COLUMN 16</u> |  |
| AVERAGE MONTHLY                 | 8.1         | TOTAL FOR THE MONTH                | 3.04              | NUMBER OF DAYS:           |    | 1 = FOG                          |  |
| DEPARTURE FROM NORMAL           | 1.5         | DEPARTURE FROM NORMAL              | -4.29             |                           |    | 2 = FOG REDUCING VISIBILITY      |  |
| HIGHEST                         | 30 on 1st   | 24 HOUR MAX                        | 0.68 on 24th/25th | CLEAR (SCALE 0-3)         | 3  | TO 1/4 MILE OR LESS              |  |
| LOWEST                          | -23 on 12th |                                    |                   | PARTLY CLOUDY (SCALE 4-7) | 4  | 3 = THUNDER                      |  |
|                                 |             |                                    |                   | CLOUDY (SCALE 8-10)       | 22 | 4 = ICE PELLETS                  |  |
| NUMBER OF DAYS WITH:            |             | <u>SNOWFALL, ICE PELLETS (IN.)</u> |                   |                           |    | 5 = HAIL                         |  |
|                                 |             | TOTAL FOR THE MONTH                | 32.8              | WITH .01" OR MORE PRECIP  | 21 | 6 = GLAZE OR RIME                |  |
| MAX. 32 OR BELOW                | 29          | 24 HOUR MAX                        | 7.1 on 24th/25th  | WITH .10" OR MORE PRECIP  | 9  | 7 = BLOWING DUST OR SAND         |  |
| MAX. 90 OR ABOVE                | 0           | MAX DEPTH ON GROUND                | 28 on 4th         | WITH .50" OR MORE PRECIP  | 2  | RED. VIS. TO 1/2 MILE OR LESS    |  |
| MIN. 32 OR BELOW                | 29          |                                    |                   | WITH 1.0" OR MORE PRECIP  | 0  | 8 = SMOKE OR HAZE                |  |
| MIN. 0 OR BELOW                 | 15          | <u>PRESSURE DATA (IN.)</u>         |                   |                           |    | 9 = BLOWING SNOW                 |  |
|                                 |             | HIGHEST SEA-LEVEL                  | 30.514 on 27th    |                           |    | X = TORNADO                      |  |
| HEATING DEGREE DAYS (BASE 65°F) |             | LOWEST SEA-LEVEL                   | 29.062 on 25th    |                           |    |                                  |  |
| TOTAL THIS MONTH                | 1642        | AVG STATION                        | 23.4830           |                           |    |                                  |  |
| DEPARTURE FROM NORMAL           | 6           |                                    |                   |                           |    |                                  |  |
| SEASON TOTAL                    | 8544        |                                    |                   |                           |    |                                  |  |
| DEPARTURE FROM NORMAL           | -845        |                                    |                   |                           |    |                                  |  |
| COOLING DEGREE DAYS (BASE 65°F) |             |                                    |                   |                           |    |                                  |  |
| TOTAL THIS MONTH                | 0           |                                    |                   |                           |    |                                  |  |
| DEPARTURE FROM NORMAL           | 0           |                                    |                   |                           |    |                                  |  |
| SEASON TOTAL                    | 0           |                                    |                   |                           |    |                                  |  |
| DEPARTURE FROM NORMAL           | 0           |                                    |                   |                           |    |                                  |  |

NOTES: 1ST: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO EXCESSIVE RIME ICE FROM LIP OF CAN FALLING IN WHEN MELTING.  
13TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOGS IN TP LINE OF PITOT.  
25TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HIGH WINDS.  
28TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNT IN CAN FROM BLOWING SNOW & RIME.  
29TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO LOW WINDS NOT VANING INSTRUMENTS.

|  |      |      |      |       |
|--|------|------|------|-------|
| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR |      |      |      |       |
| 0600   | 1200 | 1800 | 0000 | MONTH |
| 73   | 83   | 88   | 84   | 82    |

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
THERE WERE 348 HOURS OF PREVAILING WINDS FROM THE W, 50% OF THE TOTAL HOURS OF THE MONTH.