

|   |      |      |      |      |   |             |      |                     |            |   |            |              |          |                          |        |                    |                |  |
|---|------|------|------|------|---|-------------|------|---------------------|------------|---|------------|--------------|----------|--------------------------|--------|--------------------|----------------|--|
| WS FORM F-6                             |      |      |      |      |   |             |      |                     |            | STATION<br>MOUNT WASHINGTON OBSERVATORY |            |              |          |                          |        |                    |                |  |
| PRELIMINARY LOCAL CLIMATOLOGICAL DATA   |      |      |      |      |   |             |      |                     |            | MONTH<br>APRIL                          |            |              |          | YEAR<br>2015             |        |                    |                |  |
| 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-7AM                  | AVG SPEED  | FASTEST MILE |          | TOTAL                    | % POSS |                    |                |  |
| DAY                                     | MAX  | MIN  | AVG  | NORM | DEPART                                  | HEAT        | COOL |                     |            |   | SPEED      | DIR          |          |                          |        |                    |                |  |
| 1                                       | 7    | -3   | 2    | 18   | -16                                     | 63          | 0    | 0.00                | 0.0        | 20                                      | 49.8       | 72           | 310 (NW) | 757                      | 97     | 5                  |                |  |
| 2                                       | 34   | 5    | 20   | 19   | 1                                       | 45          | 0    | 0.11                | 0.6        | 19                                      | 52.1       | 82           | 260 (W)  | 351                      | 45     | 8                  | 1269           |  |
| 3                                       | 35   | 25   | 30   | 19   | 11                                      | 35          | 0    | 0.12                | 0.0        | 17                                      | 42.9       | 89           | 290 (W)  | 345                      | 44     | 9                  | 126            |  |
| 4                                       | 31   | 1    | 16   | 19   | -3                                      | 49          | 0    | 0.68                | 7.9        | 18                                      | 53.1       | 98           | 320 (NW) | 0                        | 0      | 10                 | 1269           |  |
| 5                                       | 9    | 0    | 5    | 20   | -15                                     | 60          | 0    | 0.34                | 3.9        | 20                                      | 42.9       | 78           | 310 (NW) | 132                      | 17     | 9                  | 1269           |  |
| 6                                       | 24   | 5    | 15   | 20   | -5                                      | 50          | 0    | 0.80                | 8.3        | 20                                      | 41.0       | 68           | 270 (W)  | 15                       | 2      | 10                 | 1269           |  |
| 7                                       | 23   | 13   | 18   | 21   | -3                                      | 47          | 0    | 0.33                | 2.2        | 24                                      | 33.0       | 58           | 290 (W)  | 580                      | 73     | 8                  | 1269           |  |
| 8                                       | 30   | 13   | 22   | 21   | 1                                       | 43          | 0    | 0.33                | 5.4        | 23                                      | 13.5       | 35           | 160 (S)  | 411                      | 52     | 8                  | 126            |  |
| 9                                       | 30   | 14   | 22   | 21   | 1                                       | 43          | 0    | 0.13                | 1.3        | 28                                      | 18.0       | 49           | 200 (S)  | 0                        | 0      | 10                 | 1246           |  |
| 10                                      | 44   | 22   | 33   | 22   | 11                                      | 32          | 0    | 0.31                | 0.1        | 27                                      | 58.7       | 104          | 290 (W)  | 0                        | 0      | 10                 | 1246           |  |
| 11                                      | 23   | 14   | 19   | 22   | -3                                      | 46          | 0    | T                   | T          | 15                                      | 77.4       | 118          | 310 (NW) | 0                        | 0      | 10                 | 126            |  |
| 12                                      | 31   | 16   | 24   | 23   | 1                                       | 41          | 0    | 0.00                | 0.0        | 15                                      | 49.0       | 74           | 310 (NW) | 809                      | 100    | 3                  | 126            |  |
| 13                                      | 41   | 29   | 35   | 23   | 12                                      | 30          | 0    | 0.00                | 0.0        | 15                                      | 28.8       | 88           | 240 (SW) | 746                      | 92     | 3                  |                |  |
| 14                                      | 40   | 21   | 31   | 23   | 8                                       | 34          | 0    | 0.25                | 0.1        | 12                                      | 55.7       | 99           | 290 (W)  | 469                      | 57     | 9                  | 1246           |  |
| 15                                      | 25   | 19   | 22   | 24   | -2                                      | 43          | 0    | 0.00                | 0.0        | 12                                      | 45.3       | 84           | 300 (NW) | 819                      | 100    | 1                  |                |  |
| 16                                      | 40   | 19   | 30   | 24   | 6                                       | 35          | 0    | 0.00                | 0.0        | 11                                      | 35.5       | 60           | 280 (W)  | 770                      | 94     | 4                  |                |  |
| 17                                      | 35   | 28   | 32   | 25   | 7                                       | 33          | 0    | 0.27                | 0.7        | 11                                      | 51.0       | 72           | 280 (W)  | 0                        | 0      | 10                 | 1246           |  |
| 18                                      | 33   | 19   | 26   | 25   | 1                                       | 39          | 0    | 0.95                | 4.6        | 9                                       | 39.1       | 86           | 320 (NW) | 265                      | 32     | 8                  | 123469         |  |
| 19                                      | 30   | 17   | 24   | 25   | -1                                      | 41          | 0    | 0.20                | 1.4        | 13                                      | 24.0       | 76           | 350 (N)  | 815                      | 98     | 3                  | 126            |  |
| 20                                      | 30   | 16   | 23   | 26   | -3                                      | 42          | 0    | 0.85                | 3.3        | 11                                      | 52.8       | 99           | 140 (SE) | 27                       | 3      | 10                 | 12469          |  |
| 21                                      | 38   | 21   | 30   | 26   | 4                                       | 35          | 0    | 0.46                | 0.2        | 11                                      | 38.0       | 66           | 150 (SE) | 0                        | 0      | 10                 | 1246           |  |
| 22                                      | 30   | 20   | 25   | 27   | -2                                      | 40          | 0    | 0.46                | 2.6        | 9                                       | 31.5       | 53           | 160 (S)  | 50                       | 6      | 10                 | 12469          |  |
| 23                                      | 21   | 11   | 16   | 27   | -11                                     | 49          | 0    | 0.69                | 4.1        | 13                                      | 39.7       | 62           | 260 (W)  | 0                        | 0      | 10                 | 1269           |  |
| 24                                      | 14   | 8    | 11   | 27   | -16                                     | 54          | 0    | 0.42                | 2.6        | 15                                      | 51.8       | 74           | 310 (NW) | 0                        | 0      | 10                 | 1269           |  |
| 25                                      | 20   | 8    | 14   | 28   | -14                                     | 51          | 0    | 0.02                | 0.3        | 16                                      | 44.0       | 81           | 320 (NW) | 0                        | 0      | 10                 | 1269           |  |
| 26                                      | 27   | 19   | 23   | 28   | -5                                      | 42          | 0    | 0.12                | 0.9        | 16                                      | 32.3       | 48           | 340 (N)  | 0                        | 0      | 10                 | 126            |  |
| 27                                      | 27   | 20   | 24   | 29   | -5                                      | 41          | 0    | 0.31                | 3.1        | 17                                      | 40.0       | 76           | 030 (NE) | 0                        | 0      | 10                 | 1269           |  |
| 28                                      | 29   | 18   | 24   | 29   | -5                                      | 41          | 0    | 0.04                | 0.4        | 19                                      | 45.6       | 89           | 360 (N)  | 50                       | 6      | 10                 | 1269           |  |
| 29                                      | 30   | 23   | 27   | 29   | -2                                      | 38          | 0    | 0.05                | 0.6        | 19                                      | 27.0       | 67           | 360 (N)  | 0                        | 0      | 10                 | 126            |  |
| 30                                      | 33   | 24   | 29   | 30   | -1                                      | 36          | 0    | 0.05                | 0.4        | 19                                      | 14.5       | 29           | 020 (N)  | 170                      | 20     | 10                 | 126            |  |
| SUM                                     | 864  | 465  | ---- | ---- | ----                                    | 1278        | 0    | 8.29                | 55.0       | ----                                    | 1228.0     | ----         | ----     | 7581                     | ----   | 248                | ----           |  |
| AVG                                     | 28.8 | 15.5 | ---- | ---- | ----                                    | ----        | ---- | ----                | ----       | ----                                    | 40.9       | FASTEST      | DIR      | POSS                     | %      |                    | ----           |  |
|   |      |      |      |      |   |             |      |                     |            |   | MISC. ->   | 118          | 310 (NW) | 24607                    | 31%    | 8.3                | ----           |  |

|                                 |            |                             |                   |                           |    |                               |  |
|---------------------------------|------------|-----------------------------|-------------------|---------------------------|----|-------------------------------|--|
| TEMPERATURE DATA (°F)           |            | PRECIPITATION DATA (IN.)    |                   | WEATHER                   |    | SYMBOLS USED IN COLUMN 16     |  |
| AVERAGE MONTHLY                 | 22.2       | TOTAL FOR THE MONTH         | 8.29              | NUMBER OF DAYS:           |    | 1 = FOG                       |  |
| DEPARTURE FROM NORMAL           | -1.7       | DEPARTURE FROM NORMAL       | 0.85              |                           |    | 2 = FOG REDUCING VISIBILITY   |  |
| HIGHEST                         | 44 on 10th | 24 HOUR MAX                 | 1.15 on 18th/19th | CLEAR (SCALE 0-3)         | 4  | TO 1/4 MILE OR LESS           |  |
| LOWEST                          | -3 on 1st  |                             |                   | PARTLY CLOUDY (SCALE 4-7) | 2  | 3 = THUNDER                   |  |
|                                 |            | SNOWFALL, ICE PELLETS (IN.) |                   | CLOUDY (SCALE 8-10)       | 24 | 4 = ICE PELLETS               |  |
| NUMBER OF DAYS WITH:            |            |                             |                   |                           |    | 5 = HAIL                      |  |
|                                 |            | TOTAL FOR THE MONTH         | 55.0              | WITH .01" OR MORE PRECIP  | 24 | 6 = GLAZE OR RIME             |  |
| MAX. 32 OR BELOW                | 20         | 24 HOUR MAX                 | 10.0 on 6th/7th   | WITH .10" OR MORE PRECIP  | 20 | 7 = BLOWING DUST OR SAND      |  |
| MAX. 90 OR ABOVE                | 0          | MAX DEPTH ON GROUND         | 28 on 9th         | WITH .50" OR MORE PRECIP  | 5  | RED. VIS. TO 1/2 MILE OR LESS |  |
| MIN. 32 OR BELOW                | 30         |                             |                   | WITH 1.0" OR MORE PRECIP  | 0  | 8 = SMOKE OR HAZE             |  |
| MIN. 0 OR BELOW                 | 2          |                             |                   |                           |    | 9 = BLOWING SNOW              |  |
|                                 |            | PRESSURE DATA (IN.)         |                   |                           |    | X = TORNADO                   |  |
| HEATING DEGREE DAYS (BASE 65°F) |            | HIGHEST SEA-LEVEL           | 30.591 on 16th    |                           |    |                               |  |
|                                 |            | LOWEST SEA-LEVEL            | 29.484 on 4th     |                           |    |                               |  |
| TOTAL THIS MONTH                | 1278       | AVG STATION                 | 23.628            |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 45         |                             |                   |                           |    |                               |  |
| SEASON TOTAL                    | 12620      |                             |                   |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 424        |                             |                   |                           |    |                               |  |
| COOLING DEGREE DAYS (BASE 65°F) |            |                             |                   |                           |    |                               |  |
| TOTAL THIS MONTH                | 0          |                             |                   |                           |    |                               |  |
| DEPARTURE FROM NORMAL           | 0          |                             |                   |                           |    |                               |  |
| SEASON TOTAL                    | 0          |                             |                   |                           |    |                               |  |

  

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|--|------|------|------|-------|
| NOTES:   |      |      |      |       |
| 10TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING PRIOR TO ONE COLLECTION.   |      |      |      |       |
| 20TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO COATING OF GLAZE OVER SNOW PRIOR TO ONE COLLECTION.                                    |      |      |      |       |
| 21ST: DAILY AVERAGE WIND SPEED CONTAINS 2HRS OF ESTIMATED SPEEDS DUE TO LIMITED AVAILABLE DATA FROM AN INTERNET OUTTAGE CAUSED BY GLAZE ICE. |      |      |      |       |
| 23RD: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO SERVER MAINTENANCE.   |      |      |      |       |
| 24TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO INSTRUMENT MALFUNCTION.  |      |      |      |       |
| 23RD-25TH, 27TH, 28TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNT IN CAN FROM BLOWING SNOW.                |      |      |      |       |
| 26TH: DAILY PRECIPITATION & SNOWFALL PARTIALLY ESTIMATED DUE TO RIME ICE FALLING INTO CAN PRIOR TO COLLECTION.                               |      |      |      |       |
| 29TH: DAILY PRECIPITATION & SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLE AMOUNT OF SNOW IN CAN.  |      |      |      |       |
| AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR   |      |      |      |       |
| 0600   | 1200 | 1800 | 0000 | MONTH |
| 87   | 85   | 86   | 88   | 87    |

  

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| NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. |  |
| THERE WERE 284 HOURS OF PREVAILING WINDS FROM THE NW,  |  |



