

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### May 1996

Station: Westford  
 Latitude: 44° 37' 39" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

| Date            | Temperature |         |                 |      |           | Humidity<br>Mean | Deg. Days         |                     | Precip Ty<br>1 fog<br>2 hvy fog<br>3 thunder<br>4 ice plt<br>5 hail<br>6 glaze<br>7 duststm<br>8 smk, hz<br>9 blw snw | Snow Cvr                       | Precip           |                  | Pressure<br>Adj. to Sea Level |         |   | Wind         |              |            |       |     |        | Sun |     |       |
|-----------------|-------------|---------|-----------------|------|-----------|------------------|-------------------|---------------------|---|--------------------------------|------------------|------------------|-------------------------------|---------|---|--------------|--------------|------------|-------|-----|--------|-----|-----|-------|
|                 | Maximum     | Minimum | Average         | Mean | Dew Point |                  | Heating Base 65°F | Cooling Base 65°F   |   |                                | Water Equivalent | Ice Pellets Snow | Maximum                       | Minimum | Mean  | Avg<br>Speed | Res<br>Speed | Res<br>Dir | Peak  |     | Minute |     |     |       |
|                 |             |         |                 |      |           |                  |                   |                     |   |                                |                  |                  |                               |         |   |              |              |            | Speed | Dir | Speed  |     | Dir | Speed |
| 1               | 2           | 3       | 4A              | 4B   | 5         | 6                | 7                 | 8                   |   | 11                             | 12               | 13               | 14                            | 15      | 16  | 17           | 18           | 19         | 20    | 21  | 22     | 23  |     |       |
| 1               | 62.0        | 38.0    | 50.0            | 50.0 | 0         | 0                | 15                | 0                   | .....   | 0                              | 0.20             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 2               | 60.0        | 40.0    | 50.0            | 50.0 | 0         | 0                | 15                | 0                   | .....   | 0                              | 0.01             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 3               | 64.0        | 33.0    | 48.5            | 49.0 | 0         | 0                | 16                | 0                   | .....   | 0                              | 0.02             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 4               | 62.0        | 41.0    | 51.5            | 52.0 | 0         | 0                | 13                | 0                   | .....   | 0                              | 0.37             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 5               | 57.0        | 39.0    | 48.0            | 48.0 | 0         | 0                | 17                | 0                   | ..3.....  | 0                              | 0.12             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 6               | 55.0        | 34.0    | 44.5            | 45.0 | 0         | 0                | 20                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 7               | 66.0        | 30.0*   | 48.0            | 48.0 | 0         | 0                | 17                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 8               | 68.0        | 40.0    | 54.0            | 54.0 | 0         | 0                | 11                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 9               | 68.0        | 42.0    | 55.0            | 55.0 | 0         | 0                | 10                | 0                   | .....   | 0                              | T                | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 10              | 58.0        | 50.0    | 54.0            | 54.0 | 0         | 0                | 11                | 0                   | .....   | 0                              | 0.61             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 11              | 54.0        | 48.0    | 51.0            | 51.0 | 0         | 0                | 14                | 0                   | .....   | 0                              | 0.87             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 12              | 48.0        | 35.0    | 41.5*           | 42.0 | 0         | 0                | 23                | 0                   | ...4.....   | 0                              | 1.20             | 2.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 13              | 50.0        | 36.0    | 43.0            | 43.0 | 0         | 0                | 22                | 0                   | ...4.....   | 0                              | 0.05             | 0.2              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 14              | 60.0        | 31.0    | 45.5            | 46.0 | 0         | 0                | 19                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 15              | 67.0        | 38.0    | 52.5            | 53.0 | 0         | 0                | 12                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 16              | 69.0        | 35.0    | 52.0            | 52.0 | 0         | 0                | 13                | 0                   | .....   | 0                              | 0.04             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 17              | 66.0        | 49.0    | 57.5            | 58.0 | 0         | 0                | 7                 | 0                   | .....   | 0                              | 0.01             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 18              | 75.0        | 48.0    | 61.5            | 62.0 | 0         | 0                | 3                 | 0                   | ..3.....  | 0                              | 0.21             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 19              | 81.0*       | 56.0    | 68.5            | 69.0 | 0         | 0                | 0                 | 4                   | ..3.....  | 0                              | 0.28             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 20              | 80.0        | 65.0    | 72.5*           | 73.0 | 0         | 0                | 0                 | 8                   | ..3.....  | 0                              | 0.04             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 21              | 71.0        | 57.0    | 64.0            | 64.0 | 0         | 0                | 1                 | 0                   | ..3.....  | 0                              | 0.44             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 22              | 76.0        | 49.0    | 62.5            | 63.0 | 0         | 0                | 2                 | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 23              | 69.0        | 50.0    | 59.5            | 60.0 | 0         | 0                | 5                 | 0                   | .....   | 0                              | 0.01             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 24              | 59.0        | 45.0    | 52.0            | 52.0 | 0         | 0                | 13                | 0                   | .....   | 0                              | 0.03             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 25              | 60.0        | 33.0    | 46.5            | 47.0 | 0         | 0                | 18                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 26              | 66.0        | 32.0    | 49.0            | 49.0 | 0         | 0                | 16                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 27              | 69.0        | 35.0    | 52.0            | 52.0 | 0         | 0                | 13                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 28              | 74.0        | 36.0    | 55.0            | 55.0 | 0         | 0                | 10                | 0                   | .....   | 0                              | 0.07             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 29              | 59.0        | 38.0    | 48.5            | 49.0 | 0         | 0                | 16                | 0                   | ...4.....   | 0                              | 0.34             | T                | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 30              | 60.0        | 39.0    | 49.5            | 50.0 | 0         | 0                | 15                | 0                   | .....   | 0                              | 0.09             | T                | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| 31              | 73.0        | 36.0    | 54.5            | 55.0 | 0         | 0                | 10                | 0                   | .....   | 0                              | 0.00             | 0.0              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| Sum             | Sum         | -----   | -----           | ---  | ----      |                  | Ttl               | Ttl                 |   |                                |                  |                  |                               |         |   |              |              |            |       |     |        |     | --- |       |
| 2006            | 1278        |         |                 |      |           |                  | 377               | 12                  | Number of Days  |                                | 5.01             | 2.2              | 0.00                          | 0.00    | 0.000   | 0.0          | 0.0          | 0          | 0     | N   | 0      | 0   |     |       |
| Avg             | Avg         | Avg     | Mean            | Avg  | Avg       | ----             | ----              |                     | Precip  | Season Ttl                     | Date             | Date             | -----                         | ----    | ----  | ---          | Date         | Date       | Avg   |     |        |     |     |       |
| 64.7            | 41.2        | 53.0    | 53.2            | 0    | 0.0       | ----             | ----              |                     | ≥.01 inch   | 20                             | 18.17            | 127.7            | 1+                            | 1+      | -----   | ----         | ----         | ---        | 1+    | 1+  |        |     |     |       |
| Number of Days  |             |         |                 |      |           |                  | Season to Date    | Snow, Ice ≥1.0 inch | 1   | Greatest in 24 Hours and Dates |                  |                  |                               |         | Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date |              |              |            |       |     |        |     |     |       |
| Max Temperature |             |         | Min Temperature |      |           | 8020             | 12                | Thunder             | 5   | Precipitation                  |                  |                  | Snow, Ice Plts                |         |   |              |              |            |       |     |        |     |     |       |
| ≥ 90°F          | ≤ 32°F      | ≤ 32°F  | ≤ 0°F           | ---- | ----      |                  |                   | Heavy Fog           | 0   | 0.00                           | -                | 2.0              | 12                            | 0       |   |              |              |            | -     |     |        |     |     |       |
| 0               | 0           | 3       | 0               | ---- | ----      |                  |                   | Clear               | 31  | Partly Cloudy                  |                  | 0                | Cloudy                        | 0       |   |              |              |            |       |     |        |     |     |       |

NOTES:  
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.  
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.  
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for 24 hours.  
 Data in columns 9, 10, 12 are entered manually by the station observer.  
 Columns 17-18: Resultant wind is calculated by the vector sum of continuous wind observations.  
 Column 23: Sunshine index is measured in Watts/m<sup>2</sup> and is continuously averaged for 24 hours.  
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.