

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

September 2002

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

| Date | Temperature | | | | | Humidity Mean | Deg. Days | | Precip Ty 1 fog 2 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 duststm 8 smk, hz 9 blw snw | Snow Cvr | Precip | | Pressure 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 Speed | Res Speed | Res Dir | Peak | | Minute | | |
| | | | | | | | | | | | | | | | | | | | Speed | Dir | Speed | | Dir | Speed | Dir |
| 1 | 2 | 3 | 4A | 4B | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 78.0 | 48.0 | 63.0 | 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 | |
| 3 | 80.0 | 54.0 | 67.0 | 67.0 | 0 | 0 | 0 | 2 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 4 | 80.0 | 59.0 | 69.5 | 70.0 | 0 | 0 | 0 | 5 | ..... | 0 | 0.02 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 5 | 65.0 | 53.0 | 59.0 | 59.0 | 0 | 0 | 6 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 6 | 73.0 | 46.0 | 59.5 | 60.0 | 0 | 0 | 5 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 7 | 82.0 | 52.0 | 67.0 | 67.0 | 0 | 0 | 0 | 2 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 8 | 88.0 | 60.0 | 74.0 | 74.0 | 0 | 0 | 0 | 9 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 9 | 91.0* | 67.0 | 79.0* | 79.0 | 0 | 0 | 0 | 14 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 10 | 89.0 | 66.0 | 77.5 | 78.0 | 0 | 0 | 0 | 13 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 11 | 74.0 | 47.0 | 60.5 | 61.0 | 0 | 0 | 4 | 0 | ..3..... | 0 | 1.53 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 12 | 60.0 | 43.0 | 51.5 | 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 | |
| 13 | 67.0 | 48.0 | 57.5 | 58.0 | 0 | 0 | 7 | 0 | ..... | 0 | 0.13 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 14 | 79.0 | 49.0 | 64.0 | 64.0 | 0 | 0 | 1 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 15 | 73.0 | 57.0 | 65.0 | 65.0 | 0 | 0 | 0 | 0 | ..3..... | 0 | 1.94 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 16 | 65.0 | 51.0 | 58.0 | 58.0 | 0 | 0 | 7 | 0 | ..... | 0 | 0.17 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 17 | 71.0 | 51.0 | 61.0 | 61.0 | 0 | 0 | 4 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 18 | 69.0 | 49.0 | 59.0 | 59.0 | 0 | 0 | 6 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 74.0 | 63.0 | 68.5 | 69.0 | 0 | 0 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 21 | 79.0 | 66.0 | 72.5 | 73.0 | 0 | 0 | 0 | 8 | ..... | 0 | 0.83 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 22 | 73.0 | 62.0 | 67.5 | 68.0 | 0 | 0 | 0 | 3 | ..... | 0 | 0.99 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 23 | 66.0 | 48.0 | 57.0 | 57.0 | 0 | 0 | 8 | 0 | ..3..... | 0 | 0.59 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 24 | 65.0 | 42.0 | 53.5 | 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 | |
| 25 | 68.0 | 44.0 | 56.0 | 56.0 | 0 | 0 | 9 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 26 | 70.0 | 48.0 | 59.0 | 59.0 | 0 | 0 | 6 | 0 | ..... | 0 | 0.00 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 27 | 59.0 | 47.0 | 53.0 | 53.0 | 0 | 0 | 12 | 0 | ..... | 0 | 2.57 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 28 | 59.0 | 44.0 | 51.5 | 52.0 | 0 | 0 | 13 | 0 | ..... | 0 | 0.07 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| 29 | 59.0 | 36.0* | 47.5* | 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 | |
| 30 | 67.0 | 44.0 | 55.5 | 56.0 | 0 | 0 | 9 | 0 | ..... | 0 | 0.03 | 0.0 | 0.00 | 0.00 | 0.000 | 0.0 | 0.0 | 0 | 0 | N | 0 | 0 | |
| Sum | Sum | ----- | ----- | --- | ---- | Ttl | Ttl | Number of Days | | For the month: | | | | | | | | | | | | | --- |
| 2023 | 1444 | | | | | 140 | 60 | | | 8.87 | 0.0 | 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 | | | | |
| 72.3 | 51.6 | 61.9 | 62.1 | 0 | 0.0 | ---- | ---- | ≥.01 inch | | 11 | 40.31 | 0.0 | 2+ | 2+ | ----- | ---- | ---- | --- | 2+ | 2+ | | | |
| Number of Days | | | | | | Season to Date | Snow, Ice ≥1.0 inch | 0 | Greatest in 24 Hours and Dates | | | | | | Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date | | | | | | | | |
| Max Temperature | | | Min Temperature | | | 203 | 388 | Thunder | 3 | Precipitation | | | Snow, Ice Plts | | | | | | | | | | |
| ≥ 90°F | ≤ 32°F | ≤ 32°F | ≤ 0°F | ---- | ---- | Heavy Fog | 0 | 0.00 | - | 0.0 | - | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | ---- | ---- | Clear | 28 | 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/m² 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.