

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

February 2024

Station: Westford

Latitude: 43° 37' 38" N Longitude: 73° 02' 30" 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 | | | | | | Solar Radiation | | |
|------------------------|-------------|------------|------------------------|------------|------------|-----------------------|----------------------------|-------------------|---|----------------------|------------------|------------------|-------------------------------|---------------|--|--------------|--------------|------------|-------|-------------|-------------|--------------------|-----|-----|
| | 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 | | 2 Minute | | | |
| | | | | | | | | | | | | | | | | | | | Speed | Dir | Speed | | Dir | |
| 1 | 2 | 3 | 4A | 4B | 5 | 6 | 7 | 8 | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
| 1 | 34.3 | 32.2 | 33.3 | 33.1 | 30 | 90 | 32 | 0 | ..... | 2 | 0.02 | 0.1 | 29.92 | 29.78 | 29.840 | 3.9 | 3.9 | 175 | 17 | SSE | 8 | 179 | 13 | |
| 2 | 32.9 | 22.5 | 27.7 | 28.2 | 27 | 94 | 37 | 0 | ..... | 2 | T | T | 30.11 | 29.80 | 29.964 | 1.4 | 1.0 | 326 | 12 | N | 5 | 350 | 20 | |
| 3 | 24.8 | 14.0 | 19.4 | 20.3 | 17 | 89 | 45 | 0 | ..... | 2 | T | T | 30.16 | 30.10 | 30.125 | 0.6 | 0.6 | 312 | 11 | W | 6 | 262 | 42 | |
| 4 | 33.0 | 11.0 | 22.0 | 20.3 | 16 | 84 | 43 | 0 | ..... | 1 | 0.00 | 0.0 | 30.10 | 29.99 | 30.046 | 0.3 | 0.3 | 322 | 9 | NW | 7 | 271 | 112 | |
| 5 | 28.5 | 12.4 | 20.4 | 19.3 | 14 | 80 | 44 | 0 | ..... | 1 | 0.00 | 0.0 | 30.14 | 29.99 | 30.057 | 0.8 | 0.7 | 315 | 14 | N | 7 | 353 | 117 | |
| 6 | 32.4 | 13.0 | 22.7 | 21.3 | 16 | 81 | 42 | 0 | ..... | 1 | 0.00 | 0.0 | 30.31 | 30.13 | 30.245 | 0.6 | 0.5 | 291 | 10 | W | 7 | 266 | 118 | |
| 7 | 34.1 | 13.7 | 23.9 | 24.9 | 20 | 82 | 41 | 0 | ..... | 1 | 0.00 | 0.0 | 30.35 | 30.27 | 30.304 | 0.1 | 0.1 | 274 | 6 | W | 4 | 267 | 74 | |
| 8 | 47.9 | 24.1 | 36.0 | 34.4 | 26 | 72 | 29 | 0 | ..... | 1 | 0.00 | 0.0 | 30.31 | 30.09 | 30.230 | 0.7 | 0.7 | 194 | 10 | SSE | 5 | 191 | 121 | |
| 9 | 50.2 | 37.0 | 43.6 | 43.8 | 31 | 60 | 21 | 0 | ..... | T | 0.00 | 0.0 | 30.09 | 29.76 | 29.909 | 6.8 | 6.8 | 173 | 28 | SSE | 14 | 175 | 95 | |
| 10 | 52.7 | 38.3 | 45.5* | 44.5 | 39 | 80 | 19 | 0 | ..3..... | T | 0.10 | 0.0 | 29.76 | 29.61 | 29.688 | 4.8 | 4.2 | 186 | 23 | SSE | 12 | 170 | 46 | |
| 11 | 38.5 | 31.5 | 35.0 | 35.2 | 29 | 79 | 29 | 0 | ..... | 0 | 0.00 | 0.0 | 29.89 | 29.74 | 29.831 | 2.8 | 2.8 | 244 | 16 | WSW | 10 | 255 | 30 | |
| 12 | 32.5 | 28.9 | 30.7 | 31.0 | 26 | 82 | 34 | 0 | ..... | 0 | 0.00 | 0.0 | 29.90 | 29.78 | 29.851 | 0.7 | 0.7 | 236 | 11 | WSW | 7 | 256 | 15 | |
| 13 | 36.7 | 23.6 | 30.2 | 29.1 | 23 | 79 | 34 | 0 | ..... | 0 | T | T | 29.78 | 29.58 | 29.660 | 0.9 | 0.8 | 295 | 18 | W | 9 | 265 | 69 | |
| 14 | 27.4 | 11.0 | 19.2 | 17.0 | 10 | 73 | 46 | 0 | ..... | 3 | 0.12 | 3.3 | 30.10 | 29.63 | 29.919 | 6.5 | 6.4 | 280 | 27 | W | 14 | 247 | 90 | |
| 15 | 26.9 | 9.9 | 18.4 | 19.8 | 9 | 65 | 46 | 0 | ..... | 4 | 0.10 | 2.2 | 30.16 | 29.55 | 29.969 | 1.1 | 0.7 | 261 | 23 | W | 12 | 265 | 106 | |
| 16 | 25.6 | 17.2 | 21.4 | 21.7 | 18 | 86 | 43 | 0 | ..... | 6 | 0.18 | 4.5 | 29.88 | 29.48 | 29.736 | 3.3 | 2.8 | 265 | 19 | WSW | 11 | 248 | 19 | |
| 17 | 22.9 | 8.9 | 15.9 | 16.5 | 11 | 78 | 49 | 0 | ..... | 6 | 0.13 | 2.4 | 29.81 | 29.69 | 29.746 | 1.7 | 1.6 | 274 | 19 | WNW | 10 | 263 | 76 | |
| 18 | 26.3 | 3.0 | 14.6 | 17.7 | 12 | 77 | 50 | 0 | ..... | 6 | T | T | 29.78 | 29.58 | 29.657 | 6.4 | 6.3 | 180 | 30 | SSE | 15 | 185 | 84 | |
| 19 | 24.0 | 0.7 | 12.3 | 13.7 | 6 | 70 | 52 | 0 | ..... | 5 | 0.00 | 0.0 | 30.36 | 29.71 | 30.114 | 3.5 | 3.4 | 265 | 21 | WSW | 13 | 267 | 137 | |
| 20 | 23.4 | 0.1* | 11.7* | 12.5 | 7 | 79 | 53 | 0 | ..... | 5 | T | T | 30.50 | 30.36 | 30.451 | 0.3 | 0.2 | 164 | 9 | SSE | 5 | 167 | 60 | |
| 21 | 41.4 | 8.2 | 24.8 | 26.7 | 15 | 65 | 40 | 0 | ..... | 3 | 0.00 | 0.0 | 30.47 | 30.10 | 30.306 | 4.6 | 4.6 | 174 | 28 | SSE | 15 | 170 | 152 | |
| 22 | 37.9 | 29.7 | 33.8 | 33.2 | 27 | 78 | 31 | 0 | ..... | 3 | 0.07 | T | 30.10 | 29.57 | 29.800 | 8.2 | 8.2 | 176 | 33 | S | 16 | 169 | 43 | |
| 23 | 46.9 | 24.6 | 35.8 | 37.0 | 33 | 87 | 29 | 0 | ..... | 1 | 0.00 | 0.0 | 29.58 | 29.40 | 29.483 | 4.0 | 3.0 | 188 | 23 | SSE | 10 | 176 | 138 | |
| 24 | 24.7 | 4.6 | 14.7 | 11.2 | 4 | 72 | 50 | 0 | ..... | T | 0.00 | 0.0 | 30.03 | 29.56 | 29.821 | 2.3 | 2.2 | 328 | 17 | NNW | 8 | 286 | 156 | |
| 25 | 34.1 | 3.8 | 18.9 | 20.9 | 9 | 62 | 46 | 0 | ..... | T | 0.00 | 0.0 | 30.09 | 29.86 | 29.991 | 4.9 | 4.8 | 175 | 32 | SSE | 15 | 166 | 151 | |
| 26 | 42.2 | 24.9 | 33.6 | 33.3 | 25 | 70 | 31 | 0 | ..... | T | T | T | 30.01 | 29.83 | 29.910 | 3.6 | 3.2 | 186 | 24 | S | 13 | 169 | 60 | |
| 27 | 61.2* | 24.1 | 42.7 | 46.4 | 34 | 63 | 22 | 0 | ..... | 0 | 0.00 | 0.0 | 29.98 | 29.65 | 29.833 | 3.8 | 3.8 | 171 | 27 | S | 15 | 183 | 150 | |
| 28 | 57.5 | 25.1 | 41.3 | 49.1 | 45 | 84 | 23 | 0 | ..... | T | 0.23 | T | 29.66 | 29.18 | 29.449 | 7.9 | 6.9 | 194 | 40 | WSW | 22 | 247 | 23 | |
| 29 | 25.2 | 9.9 | 17.6 | 14.1 | 2 | 60 | 47 | 0 | ..... | T | 0.01 | 0.1 | 30.40 | 29.64 | 30.098 | 8.1 | 7.9 | 262 | 33 | W | 20 | 257 | 104 | |
| Sum | Sum | ----- | ----- | --- | ---- | Ttl | Ttl | | | | | | Total | Total | For the month: | | | | | | --- | | | |
| 1026 | 508 | | | | | 1108 | 0 | | Number of Days | | | | 0.23 | 12.6 | 30.50 | 29.18 | 29.932 | 3.3 | 2.1 | 209 | 40 | WSW | 22 | 247 |
| Avg | Avg | Avg | Mean | Avg | Avg | ---- | ---- | | Precip | | | | Season Ttl | Date | Date | ----- | ---- | --- | | Date | Date | Avg | | |
| 35.4 | 17.5 | 26.4 | 26.8 | 20 | 76.6 | ---- | ---- | | ≥.01 inch | 9 | 4.50 | 45.2 | 20 | 28 | ----- | ---- | --- | | | 28 | 28 | 83 | | |
| Number of Days | | | | | | Season to Date | Snow, Ice ≥1.0 inch | 4 | Greatest in 24 Hours and Dates | | | | | | Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date | | | | | | | | | |
| Max Temperature | | | Min Temperature | | | 4969 | 0 | Thunder | 1 | Precipitation | | | Snow, Ice Plts | | | | | | | | | | | |
| ≥ 90°F | ≤ 32°F | ≤ 32°F | ≤ 0°F | ---- | ---- | | | Heavy Fog | 0 | 0.00 | - | 4.5 | 16 | 6 | | | 16+ | | | | | | | |
| 0 | 12 | 27 | 1 | ---- | ---- | | | Clear | 8 | Partly Cloudy | | | 9 | Cloudy | | | 12 | | | | | | | |

NOTES:

- Units: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
- Column 4A: value is (MAX+MIN) ÷ 2.
- Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.
- 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.

OBSERVATIONS AT 3-HOUR INTERVALS

February 2024: Westford

| Hour | FEB 01 | | | | | | | | | FEB 02 | | | | | | | | | FEB 03 | | | | | | | | |
|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|------|
| | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust |
| 00 | 0 | 29.92 | 0.00 | 32 | 29 | 89 | 18 | 4 | 9 | 0 | 29.81 | 0.00 | 33 | 32 | 95 | 18 | 3 | 6 | 0 | 30.11 | 0.00 | 23 | 21 | 92 | 35 | 0 | 4 |
| 03 | 0 | 29.90 | 0.00 | 33 | 30 | 89 | 18 | 2 | 10 | 0 | 29.81 | 0.00 | 33 | 31 | 95 | 18 | 0 | 0 | 0 | 30.12 | 0.00 | 21 | 19 | 92 | 34 | 0 | 4 |
| 06 | 0 | 29.88 | 0.00 | 33 | 30 | 90 | 18 | 3 | 9 | 0 | 29.86 | 0.00 | 32 | 31 | 96 | 27 | 1 | 4 | 0 | 30.13 | 0.00 | 20 | 18 | 91 | 34 | 1 | 5 |
| 09 | 51 | 29.87 | 0.00 | 33 | 30 | 89 | 15 | 4 | 12 | 19 | 29.93 | 0.00 | 31 | 30 | 96 | 33 | 1 | 6 | 49 | 30.16 | 0.00 | 21 | 18 | 90 | 33 | 0 | 5 |
| 12 | 53 | 29.83 | 0.00 | 34 | 31 | 88 | 16 | 5 | 15 | 84 | 29.97 | 0.00 | 30 | 29 | 95 | 27 | 1 | 9 | 221 | 30.15 | 0.00 | 25 | 20 | 83 | 27 | 1 | 9 |
| 15 | 51 | 29.78 | 0.00 | 34 | 31 | 88 | 15 | 4 | 12 | 25 | 30.01 | 0.00 | 26 | 24 | 93 | 29 | 3 | 9 | 69 | 30.11 | 0.00 | 23 | 19 | 83 | 30 | 2 | 7 |
| 18 | 0 | 29.79 | 0.00 | 33 | 31 | 91 | 17 | 3 | 10 | 0 | 30.07 | 0.00 | 23 | 21 | 92 | 32 | 2 | 5 | 0 | 30.11 | 0.00 | 20 | 16 | 87 | 34 | 0 | 0 |
| 21 | 0 | 29.81 | 0.00 | 33 | 31 | 94 | 18 | 2 | 5 | 0 | 30.10 | 0.00 | 23 | 21 | 92 | 30 | 3 | 9 | 0 | 30.13 | 0.00 | 15 | 13 | 92 | 34 | 0 | 0 |
| FEB 04 | | | | | | | | | FEB 05 | | | | | | | | | FEB 06 | | | | | | | | | |
| 00 | 0 | 30.10 | 0.00 | 14 | 12 | 92 | 34 | 0 | 0 | 0 | 29.99 | 0.00 | 14 | 12 | 90 | 35 | 0 | 0 | 0 | 30.14 | 0.00 | 18 | 12 | 78 | 35 | 0 | 2 |
| 03 | 0 | 30.07 | 0.00 | 12 | 10 | 90 | 34 | 0 | 0 | 0 | 30.00 | 0.00 | 15 | 13 | 90 | 35 | 0 | 0 | 0 | 30.18 | 0.00 | 14 | 11 | 86 | 36 | 0 | 0 |
| 06 | 0 | 30.08 | 0.00 | 12 | 10 | 91 | 34 | 0 | 0 | 0 | 30.02 | 0.00 | 14 | 11 | 91 | 01 | 0 | 0 | 0 | 30.22 | 0.00 | 13 | 11 | 91 | 36 | 0 | 0 |
| 09 | 28 | 30.09 | 0.00 | 16 | 14 | 93 | 34 | 0 | 0 | 28 | 30.05 | 0.00 | 15 | 13 | 92 | 01 | 0 | 3 | 26 | 30.27 | 0.00 | 16 | 14 | 91 | 36 | 0 | 0 |
| 12 | 555 | 30.05 | 0.00 | 29 | 22 | 74 | 04 | 1 | 6 | 541 | 30.05 | 0.00 | 25 | 18 | 75 | 27 | 3 | 8 | 540 | 30.26 | 0.00 | 30 | 21 | 70 | 32 | 1 | 8 |
| 15 | 172 | 30.01 | 0.00 | 32 | 22 | 67 | 30 | 1 | 9 | 299 | 30.04 | 0.00 | 28 | 19 | 68 | 31 | 1 | 9 | 294 | 30.25 | 0.00 | 32 | 22 | 67 | 28 | 3 | 8 |
| 18 | 0 | 30.01 | 0.00 | 25 | 20 | 82 | 00 | 0 | 3 | 0 | 30.09 | 0.00 | 22 | 13 | 67 | 35 | 2 | 5 | 0 | 30.27 | 0.00 | 25 | 19 | 78 | 29 | 0 | 0 |
| 21 | 0 | 30.02 | 0.00 | 19 | 16 | 88 | 02 | 0 | 0 | 0 | 30.13 | 0.00 | 19 | 13 | 78 | 01 | 0 | 0 | 0 | 30.31 | 0.00 | 21 | 18 | 87 | 29 | 0 | 0 |
| FEB 07 | | | | | | | | | FEB 08 | | | | | | | | | FEB 09 | | | | | | | | | |
| 00 | 0 | 30.30 | 0.00 | 18 | 16 | 91 | 29 | 0 | 0 | 0 | 30.30 | 0.00 | 28 | 24 | 84 | 26 | 0 | 0 | 0 | 30.09 | 0.00 | 37 | 27 | 67 | 17 | 1 | 5 |
| 03 | 0 | 30.27 | 0.00 | 15 | 13 | 91 | 29 | 0 | 0 | 0 | 30.29 | 0.00 | 26 | 22 | 87 | 26 | 0 | 0 | 0 | 30.01 | 0.00 | 41 | 27 | 56 | 18 | 3 | 14 |
| 06 | 0 | 30.32 | 0.00 | 14 | 12 | 91 | 29 | 0 | 0 | 0 | 30.30 | 0.00 | 24 | 21 | 88 | 26 | 0 | 0 | 0 | 29.97 | 0.00 | 41 | 27 | 58 | 17 | 3 | 15 |
| 09 | 44 | 30.34 | 0.00 | 20 | 18 | 93 | 29 | 0 | 0 | 30 | 30.30 | 0.00 | 28 | 24 | 85 | 26 | 0 | 0 | 88 | 29.95 | 0.00 | 41 | 29 | 61 | 17 | 10 | 21 |
| 12 | 348 | 30.32 | 0.00 | 32 | 24 | 70 | 28 | 0 | 6 | 547 | 30.25 | 0.00 | 43 | 27 | 53 | 19 | 5 | 7 | 540 | 29.89 | 0.00 | 47 | 32 | 56 | 17 | 10 | 19 |
| 15 | 130 | 30.30 | 0.00 | 33 | 24 | 70 | 26 | 0 | 6 | 255 | 30.19 | 0.00 | 47 | 28 | 48 | 19 | 2 | 5 | 149 | 29.85 | 0.00 | 50 | 34 | 54 | 17 | 7 | 17 |
| 18 | 0 | 30.30 | 0.00 | 30 | 25 | 79 | 26 | 0 | 0 | 0 | 30.16 | 0.00 | 38 | 28 | 67 | 18 | 0 | 2 | 0 | 29.84 | 0.00 | 46 | 33 | 62 | 16 | 8 | 14 |
| 21 | 0 | 30.30 | 0.00 | 30 | 25 | 82 | 26 | 0 | 0 | 0 | 30.14 | 0.00 | 35 | 28 | 73 | 18 | 1 | 6 | 0 | 29.81 | 0.00 | 45 | 35 | 66 | 18 | 10 | 18 |
| FEB 10 | | | | | | | | | FEB 11 | | | | | | | | | FEB 12 | | | | | | | | | |
| 00 | 0 | 29.76 | 0.00 | 45 | 36 | 71 | 18 | 9 | 21 | 0 | 29.74 | 0.00 | 38 | 32 | 79 | 22 | 3 | 7 | 0 | 29.88 | 0.00 | 32 | 27 | 82 | 26 | 0 | 0 |
| 03 | 0 | 29.73 | 0.00 | 45 | 37 | 74 | 16 | 7 | 17 | 0 | 29.77 | 0.00 | 37 | 30 | 76 | 24 | 4 | 8 | 0 | 29.86 | 0.00 | 31 | 27 | 85 | 26 | 0 | 0 |
| 06 | 0 | 29.71 | 0.00 | 45 | 38 | 76 | 17 | 8 | 17 | 0 | 29.80 | 0.00 | 35 | 29 | 79 | 24 | 3 | 10 | 0 | 29.87 | 0.00 | 31 | 26 | 83 | 22 | 0 | 0 |
| 09 | 76 | 29.71 | 0.00 | 46 | 39 | 77 | 17 | 8 | 17 | 51 | 29.83 | 0.00 | 35 | 30 | 82 | 22 | 2 | 8 | 25 | 29.87 | 0.00 | 32 | 26 | 80 | 23 | 0 | 4 |
| 12 | 116 | 29.63 | 0.00 | 52 | 43 | 71 | 16 | 7 | 16 | 181 | 29.83 | 0.00 | 37 | 30 | 76 | 26 | 7 | 12 | 63 | 29.85 | 0.00 | 32 | 27 | 80 | 23 | 1 | 5 |
| 15 | 51 | 29.62 | 0.00 | 47 | 43 | 86 | 17 | 2 | 13 | 49 | 29.84 | 0.00 | 37 | 30 | 76 | 25 | 2 | 9 | 47 | 29.81 | 0.00 | 32 | 26 | 77 | 22 | 0 | 3 |
| 18 | 0 | 29.65 | 0.00 | 44 | 40 | 86 | 26 | 3 | 10 | 0 | 29.87 | 0.00 | 34 | 28 | 80 | 25 | 1 | 6 | 0 | 29.86 | 0.00 | 30 | 27 | 87 | 22 | 0 | 2 |
| 21 | 0 | 29.72 | 0.00 | 39 | 34 | 81 | 30 | 2 | 7 | 0 | 29.89 | 0.00 | 32 | 28 | 82 | 26 | 1 | 2 | 0 | 29.85 | 0.00 | 29 | 26 | 87 | 01 | 0 | 0 |
| FEB 13 | | | | | | | | | FEB 14 | | | | | | | | | FEB 15 | | | | | | | | | |
| 00 | 0 | 29.78 | 0.00 | 29 | 24 | 82 | 01 | 0 | 0 | 0 | 29.63 | 0.00 | 27 | 25 | 89 | 28 | 8 | 18 | 0 | 30.10 | 0.00 | 18 | 8 | 64 | 27 | 10 | 19 |
| 03 | 0 | 29.75 | 0.00 | 27 | 24 | 87 | 01 | 0 | 0 | 0 | 29.79 | 0.00 | 16 | 13 | 88 | 29 | 3 | 12 | 0 | 30.14 | 0.00 | 15 | 7 | 70 | 28 | 1 | 15 |
| 06 | 0 | 29.70 | 0.00 | 25 | 22 | 89 | 01 | 0 | 0 | 0 | 29.89 | 0.00 | 11 | 7 | 83 | 28 | 4 | 17 | 0 | 30.15 | 0.00 | 11 | 5 | 78 | 29 | 1 | 3 |
| 10 | 121 | 29.66 | 0.00 | 28 | 24 | 86 | 02 | 0 | 3 | 30 | 29.93 | 0.00 | 12 | 7 | 80 | 30 | 4 | 11 | 278 | 30.14 | 0.00 | 14 | 7 | 74 | 35 | 2 | 4 |
| 12 | 241 | 29.62 | 0.00 | 34 | 24 | 68 | 34 | 1 | 9 | 290 | 29.91 | 0.00 | 18 | 10 | 70 | 26 | 8 | 14 | 512 | 30.06 | 0.00 | 25 | 8 | 48 | 18 | 0 | 4 |
| 15 | 76 | 29.59 | 0.00 | 34 | 24 | 68 | 29 | 2 | 8 | 411 | 29.93 | 0.00 | 20 | 10 | 63 | 27 | 9 | 17 | 93 | 29.93 | 0.00 | 26 | 8 | 47 | 16 | 0 | 6 |
| 18 | 0 | 29.63 | 0.00 | 28 | 22 | 78 | 29 | 2 | 5 | 0 | 30.00 | 0.00 | 18 | 8 | 64 | 25 | 5 | 17 | 0 | 29.79 | 0.00 | 24 | 10 | 56 | 15 | 0 | 0 |
| 21 | 0 | 29.65 | 0.00 | 28 | 22 | 76 | 30 | 0 | 0 | 0 | 30.05 | 0.00 | 19 | 8 | 63 | 27 | 6 | 14 | 0 | 29.71 | 0.00 | 22 | 19 | 88 | 12 | 0 | 0 |
| FEB 16 | | | | | | | | | FEB 17 | | | | | | | | | FEB 18 | | | | | | | | | |
| 00 | 0 | 29.55 | 0.00 | 22 | 20 | 91 | 12 | 0 | 0 | 0 | 29.81 | 0.00 | 20 | 17 | 85 | 27 | 0 | 0 | 0 | 29.78 | 0.00 | 9 | 1 | 71 | 24 | 0 | 4 |
| 03 | 0 | 29.49 | 0.00 | 26 | 23 | 91 | 21 | 6 | 13 | 0 | 29.77 | 0.00 | 17 | 14 | 87 | 27 | 0 | 0 | 0 | 29.73 | 0.00 | 4 | 1 | 87 | 16 | 4 | 7 |
| 06 | 0 | 29.64 | 0.00 | 18 | 15 | 90 | 28 | 6 | 16 | 0 | 29.73 | 0.00 | 18 | 15 | 90 | 27 | 0 | 0 | 0 | 29.69 | 0.00 | 11 | 5 | 78 | 18 | 4 | 9 |
| 09 | 35 | 29.75 | 0.00 | 18 | 16 | 90 | 29 | 4 | 13 | 28 | 29.75 | 0.00 | 18 | 14 | 87 | 28 | 4 | 11 | 299 | 29.65 | 0.00 | 17 | 11 | 79 | 17 | 13 | 27 |
| 12 | 86 | 29.80 | 0.00 | 22 | 19 | 87 | 25 | 4 | 12 | 139 | 29.72 | 0.00 | 20 | 14 | 78 | 28 | 6 | 13 | 269 | 29.61 | 0.00 | 23 | 15 | 70 | 18 | 9 | 26 |
| 15 | 26 | 29.82 | 0.00 | 25 | 19 | 80 | 25 | 1 | 8 | 213 | 29.71 | 0.00 | 18 | 11 | 72 | 28 | 2 | 8 | 70 | 29.59 | 0.00 | 24 | 18 | 79 | 17 | 8 | 20 |
| 18 | 0 | 29.86 | 0.00 | 23 | 17 | 77 | 26 | 0 | 10 | 0 | 29.74 | 0.00 | 12 | 5 | 72 | 28 | 0 | 2 | 0 | 29.61 | 0.00 | 24 | 16 | 72 | 18 | 7 | 15 |
| 21 | 0 | 29.86 | 0.00 | 20 | 16 | 85 | 27 | 0 | 0 | 0 | 29.77 | 0.00 | 12 | 3 | 66 | 24 | 2 | 7 | 0 | 29.64 | 0.00 | 24 | 17 | 75 | 17 | 7 | 18 |

MAXIMUM SHORT DURATION PRECIPITATION

| Time Period (minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ended: Date | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ended: Time | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

The precipitation amounts may occur at any time during the month. The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

OBSERVATIONS AT 3-HOUR INTERVALS

February 2024: Westford

| Hour | FEB 19 | | | | | | | | | FEB 20 | | | | | | | | | FEB 21 | | | | | | | | |
|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|------|
| | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust |
| 00 | 0 | 29.72 | 0.00 | 24 | 21 | 89 | 26 | 7 | 12 | 0 | 30.36 | 0.00 | 1 | -4 | 82 | 01 | 0 | 0 | 0 | 30.47 | 0.00 | 10 | 8 | 89 | 00 | 0 | 0 |
| 03 | 0 | 29.86 | 0.00 | 18 | 11 | 74 | 29 | 2 | 18 | 0 | 30.39 | 0.00 | 4 | -0 | 83 | 01 | 0 | 0 | 0 | 30.44 | 0.00 | 10 | 7 | 89 | 00 | 0 | 0 |
| 06 | 0 | 30.01 | 0.00 | 13 | 6 | 75 | 26 | 3 | 14 | 0 | 30.42 | 0.00 | 6 | 2 | 84 | 01 | 0 | 0 | 0 | 30.42 | 0.00 | 12 | 9 | 90 | 00 | 0 | 0 |
| 09 | 114 | 30.12 | 0.00 | 12 | 5 | 73 | 26 | 6 | 13 | 102 | 30.47 | 0.00 | 14 | 8 | 79 | 01 | 0 | 2 | 315 | 30.41 | 0.00 | 28 | 17 | 64 | 17 | 7 | 15 |
| 12 | 708 | 30.16 | 0.00 | 15 | 5 | 64 | 24 | 2 | 9 | 200 | 30.48 | 0.00 | 19 | 10 | 68 | 17 | 0 | 6 | 640 | 30.33 | 0.00 | 36 | 18 | 48 | 17 | 8 | 23 |
| 15 | 434 | 30.17 | 0.00 | 19 | 5 | 53 | 25 | 2 | 10 | 207 | 30.47 | 0.00 | 22 | 13 | 66 | 01 | 0 | 4 | 193 | 30.22 | 0.00 | 41 | 20 | 43 | 18 | 7 | 15 |
| 18 | 0 | 30.24 | 0.00 | 12 | 2 | 65 | 34 | 0 | 3 | 0 | 30.49 | 0.00 | 18 | 12 | 77 | 00 | 0 | 1 | 0 | 30.18 | 0.00 | 35 | 19 | 53 | 17 | 6 | 17 |
| 21 | 0 | 30.32 | 0.00 | 6 | 1 | 79 | 01 | 0 | 0 | 0 | 30.50 | 0.00 | 12 | 9 | 87 | 00 | 0 | 0 | 0 | 30.16 | 0.00 | 32 | 18 | 56 | 16 | 6 | 11 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEB 22 | | | | | | | | | FEB 23 | | | | | | | | | FEB 24 | | | | | | | | | |
| 00 | 0 | 30.10 | 0.00 | 31 | 21 | 65 | 17 | 8 | 20 | 0 | 29.58 | 0.00 | 34 | 32 | 91 | 19 | 8 | 16 | 0 | 29.56 | 0.00 | 25 | 21 | 85 | 00 | 5 | 16 |
| 03 | 0 | 30.01 | 0.00 | 30 | 22 | 73 | 18 | 11 | 21 | 0 | 29.53 | 0.00 | 33 | 32 | 94 | 17 | 5 | 16 | 0 | 29.62 | 0.00 | 15 | 9 | 77 | 32 | 3 | 13 |
| 06 | 0 | 29.93 | 0.00 | 30 | 23 | 76 | 17 | 6 | 20 | 0 | 29.50 | 0.00 | 34 | 32 | 95 | 19 | 4 | 10 | 0 | 29.73 | 0.00 | 7 | 2 | 78 | 34 | 3 | 10 |
| 09 | 95 | 29.85 | 0.00 | 32 | 25 | 73 | 16 | 12 | 19 | 127 | 29.48 | 0.00 | 35 | 34 | 94 | 16 | 7 | 12 | 77 | 29.79 | 0.00 | 5 | -0 | 78 | 33 | 3 | 10 |
| 12 | 81 | 29.77 | 0.00 | 36 | 27 | 72 | 18 | 7 | 24 | 670 | 29.44 | 0.00 | 43 | 36 | 79 | 20 | 3 | 11 | 547 | 29.82 | 0.00 | 10 | 2 | 69 | 31 | 3 | 9 |
| 15 | 44 | 29.69 | 0.00 | 37 | 28 | 70 | 17 | 7 | 20 | 98 | 29.41 | 0.00 | 45 | 37 | 73 | 18 | 3 | 11 | 323 | 29.86 | 0.00 | 15 | 5 | 64 | 32 | 2 | 9 |
| 18 | 0 | 29.66 | 0.00 | 34 | 31 | 90 | 17 | 6 | 16 | 0 | 29.44 | 0.00 | 39 | 35 | 85 | 24 | 1 | 8 | 0 | 29.93 | 0.00 | 10 | 0 | 64 | 00 | 1 | 5 |
| 21 | 0 | 29.63 | 0.00 | 34 | 31 | 90 | 17 | 6 | 12 | 0 | 29.49 | 0.00 | 36 | 33 | 89 | 28 | 4 | 9 | 0 | 30.00 | 0.00 | 8 | 1 | 73 | 29 | 0 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEB 25 | | | | | | | | | FEB 26 | | | | | | | | | FEB 27 | | | | | | | | | |
| 00 | 0 | 30.03 | 0.00 | 7 | 1 | 76 | 28 | 0 | 0 | 0 | 29.91 | 0.00 | 33 | 17 | 52 | 17 | 6 | 16 | 0 | 29.98 | 0.00 | 25 | 18 | 74 | 05 | 0 | 0 |
| 03 | 0 | 30.06 | 0.00 | 4 | 0 | 84 | 28 | 0 | 0 | 0 | 29.85 | 0.00 | 32 | 21 | 62 | 18 | 4 | 16 | 0 | 29.94 | 0.00 | 29 | 23 | 79 | 17 | 3 | 7 |
| 06 | 0 | 30.07 | 0.00 | 4 | 1 | 85 | 26 | 0 | 0 | 0 | 29.85 | 0.00 | 32 | 25 | 77 | 16 | 8 | 18 | 0 | 29.92 | 0.00 | 36 | 29 | 74 | 16 | 3 | 8 |
| 09 | 302 | 30.09 | 0.00 | 15 | 7 | 68 | 17 | 1 | 13 | 111 | 29.87 | 0.00 | 35 | 26 | 69 | 18 | 9 | 16 | 306 | 29.91 | 0.00 | 45 | 33 | 63 | 17 | 5 | 13 |
| 12 | 638 | 30.02 | 0.00 | 27 | 11 | 52 | 16 | 6 | 20 | 134 | 29.87 | 0.00 | 37 | 29 | 72 | 26 | 3 | 8 | 613 | 29.86 | 0.00 | 57 | 38 | 49 | 18 | 6 | 20 |
| 15 | 169 | 29.93 | 0.00 | 31 | 13 | 47 | 17 | 12 | 22 | 338 | 29.92 | 0.00 | 41 | 33 | 74 | 27 | 3 | 12 | 313 | 29.77 | 0.00 | 60 | 40 | 47 | 15 | 8 | 14 |
| 18 | 0 | 29.90 | 0.00 | 31 | 15 | 51 | 16 | 8 | 17 | 0 | 29.98 | 0.00 | 34 | 21 | 57 | 28 | 0 | 0 | 0 | 29.74 | 0.00 | 53 | 38 | 58 | 12 | 3 | 10 |
| 21 | 0 | 29.89 | 0.00 | 32 | 16 | 51 | 17 | 7 | 16 | 0 | 30.00 | 0.00 | 29 | 20 | 71 | 05 | 0 | 0 | 0 | 29.71 | 0.00 | 51 | 39 | 63 | 17 | 5 | 18 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEB 28 | | | | | | | | | FEB 29 | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.66 | 0.00 | 51 | 41 | 68 | 14 | 6 | 12 | 0 | 29.64 | 0.00 | 25 | 22 | 88 | 22 | 9 | 24 | | | | | | | | | |
| 03 | 0 | 29.62 | 0.00 | 49 | 45 | 87 | 18 | 8 | 18 | 0 | 29.89 | 0.00 | 11 | 3 | 71 | 27 | 8 | 16 | | | | | | | | | |
| 06 | 0 | 29.58 | 0.00 | 50 | 47 | 89 | 15 | 4 | 10 | 0 | 29.97 | 0.00 | 10 | 4 | 74 | 27 | 1 | 4 | | | | | | | | | |
| 09 | 39 | 29.48 | 0.00 | 53 | 48 | 81 | 14 | 4 | 13 | 353 | 30.06 | 0.00 | 14 | 3 | 60 | 24 | 11 | 21 | | | | | | | | | |
| 12 | 76 | 29.39 | 0.00 | 56 | 50 | 82 | 17 | 8 | 30 | 206 | 30.11 | 0.00 | 17 | 1 | 49 | 26 | 14 | 30 | | | | | | | | | |
| 15 | 14 | 29.26 | 0.00 | 58 | 52 | 83 | 18 | 9 | 24 | 239 | 30.13 | 0.00 | 18 | 3 | 50 | 27 | 10 | 24 | | | | | | | | | |
| 18 | 0 | 29.20 | 0.00 | 56 | 52 | 88 | 18 | 10 | 20 | 0 | 30.23 | 0.00 | 15 | -1 | 49 | 26 | 10 | 18 | | | | | | | | | |
| 21 | 0 | 29.44 | 0.00 | 34 | 32 | 91 | 24 | 8 | 16 | 0 | 30.33 | 0.00 | 12 | -3 | 52 | 26 | 7 | 13 | | | | | | | | | |

WEATHER NOTES

NOTES:
 Units: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Wind Direction: Directions are those from which the wind is blowing, indicated in tens of degrees from true north: i.e., 09 for East, 18 for South, 27 for West, and 00 or 36 for North.
 Wind Speed: The observed one-minute average speed in miles-per-hour.
 Wind Gust: The maximum instantaneous wind speed for the 10-minute period preceding the observation.
 Rainfall Rate: The instantaneous rainfall rate at the time of observation, calculated by timing consecutive pulses from the electronic rain gauge and interpolating this rate for one hour.

SUMMARY BY HOUR

| Hour | Averages | | | | | | Resultant Wind | |
|------|----------|----------|-------------|-----------|----------|------------|----------------|-------|
| | Sunshine | Pressure | Temperature | Dew Point | Humidity | Wind Speed | Direction | Speed |
| 00 | 0 | 29.924 | 25 | 20 | 81 | 2.9 | 22 | 1.8 |
| 03 | 0 | 29.927 | 23 | 18 | 83 | 2.6 | 20 | 1.9 |
| 06 | 0 | 29.943 | 22 | 18 | 84 | 2.3 | 20 | 1.4 |
| 09 | 112 | 29.958 | 25 | 20 | 80 | 4.0 | 19 | 2.6 |
| 12 | 339 | 29.933 | 31 | 22 | 70 | 4.5 | 22 | 3.0 |
| 15 | 167 | 29.904 | 33 | 23 | 67 | 3.9 | 21 | 2.4 |
| 18 | 0 | 29.919 | 29 | 21 | 73 | 2.6 | 20 | 1.7 |
| 21 | 0 | 29.942 | 26 | 20 | 78 | 2.7 | 21 | 1.8 |

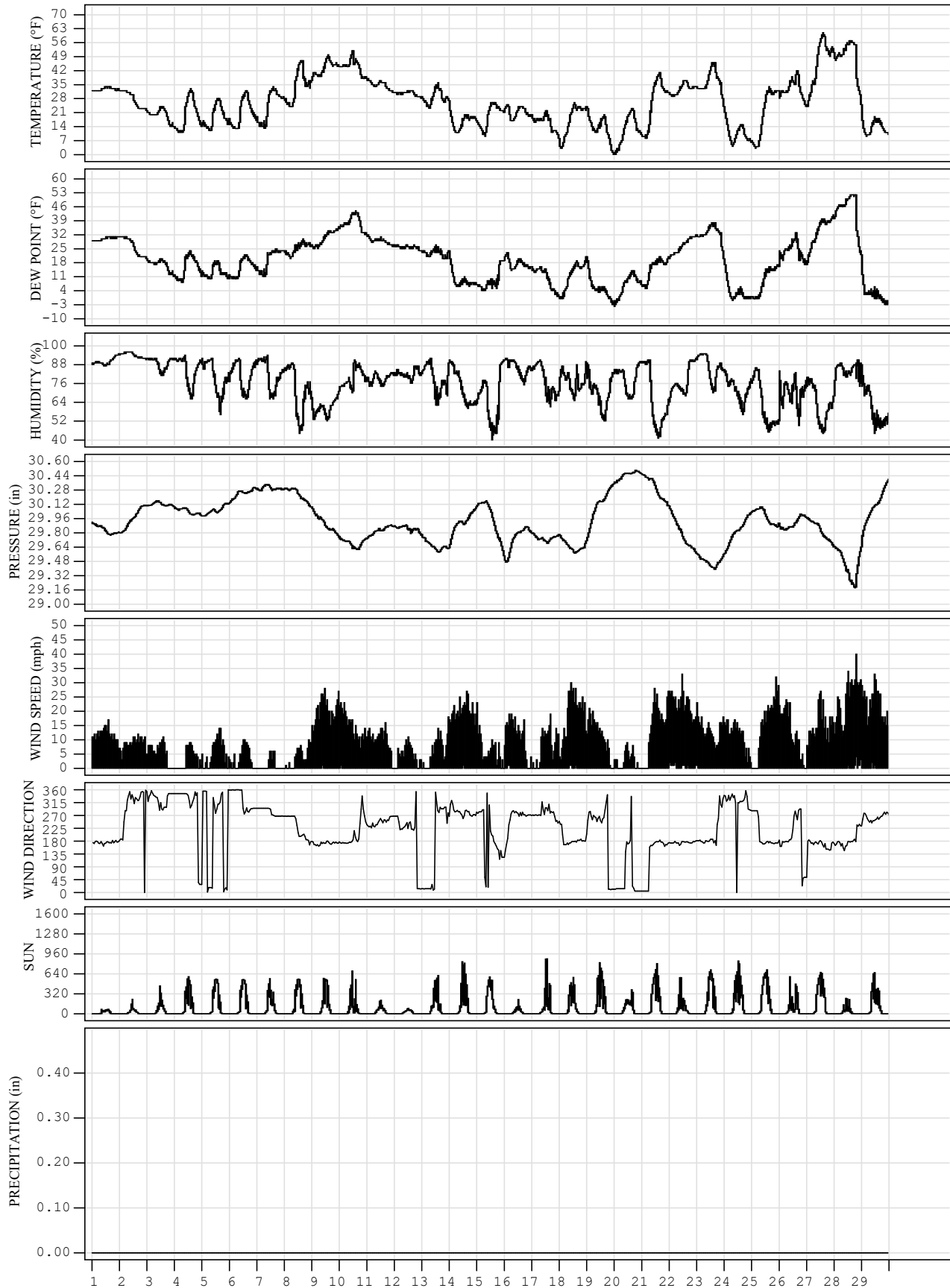
HOURLY PRECIPITATION (Water Equivalent) February 2024: Westford

| Date | A.M. Hour Ending at | | | | | | | | | | | | P.M. Hour Ending at | | | | | | | | | | | | Date |
|------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------------|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | 01 | |
| 02 | | | | | | | | | | | | | | | | | | | | | | | | | 02 |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | 03 |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | 04 |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | 05 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | 06 |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | 07 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | 08 |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | 09 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| Sum | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Sum |

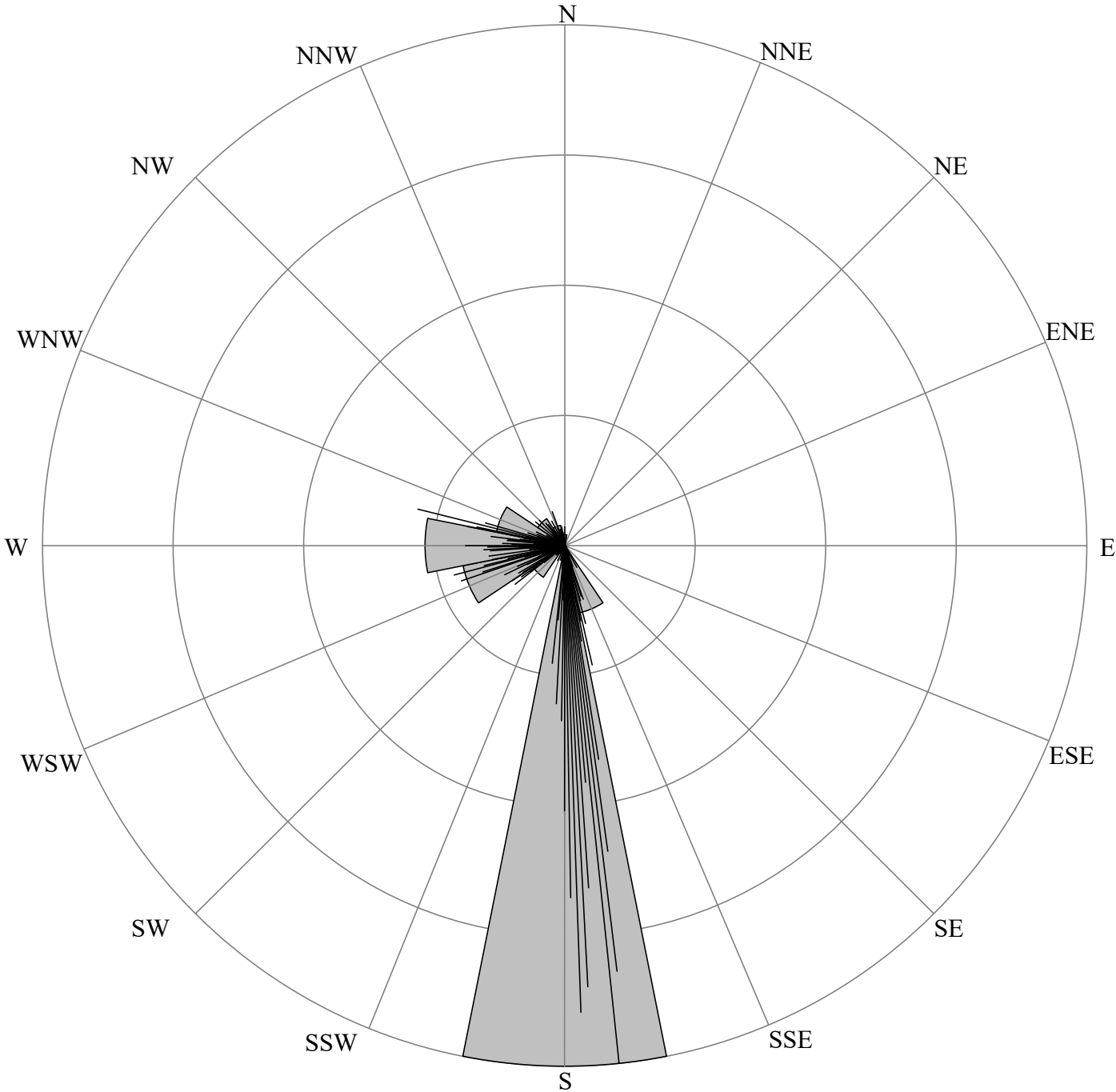
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

February 2024: Westford



Wind Rose: February 2024
Westford



Maximum direction of wind: 138.4 miles from 174°
Maximum sector of wind: 1165.9 miles from S
2274.0 total miles of wind