

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

April 2021

Station: Westford

Latitude: 44° 37' 38" 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 | | | | | | 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 | 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 | 38.9 | 20.6 | 29.8 | 30.2 | 28 | 90 | 35 | 0 | ..... | 3 | 0.25 | 3.0 | 30.04 | 29.80 | 29.896 | 0.5 | 0.5 | 345 | 14 | NNW | 6 | 8 | 21 |
| 2 | 30.3 | 17.9 | 24.1* | 23.9 | 14 | 66 | 41 | 0 | ..... | 0 | 0.01 | 0.6 | 30.19 | 30.02 | 30.124 | 2.3 | 2.2 | 281 | 19 | W | 10 | 269 | 115 |
| 3 | 47.6 | 18.2 | 32.9 | 32.1 | 13 | 48 | 32 | 0 | ..... | 0 | 0.03 | 0.0 | 30.28 | 30.16 | 30.213 | 1.6 | 1.5 | 257 | 17 | W | 9 | 259 | 252 |
| 4 | 52.7 | 25.8 | 39.3 | 40.0 | 24 | 55 | 25 | 0 | ..... | 0 | 0.00 | 0.0 | 30.17 | 29.97 | 30.068 | 1.7 | 1.6 | 296 | 18 | SW | 11 | 281 | 201 |
| 5 | 55.1 | 33.5 | 44.3 | 43.6 | 27 | 54 | 20 | 0 | ..... | 0 | 0.00 | 0.0 | 29.99 | 29.89 | 29.945 | 3.2 | 3.1 | 308 | 24 | WNW | 14 | 288 | 210 |
| 6 | 57.8 | 32.2 | 45.0 | 45.1 | 31 | 60 | 20 | 0 | ..... | 0 | 0.00 | 0.0 | 30.02 | 29.92 | 29.957 | 1.7 | 1.6 | 307 | 18 | W | 12 | 264 | 254 |
| 7 | 64.7 | 40.6 | 52.6 | 51.3 | 43 | 73 | 12 | 0 | ..... | 0 | 0.00 | 0.0 | 30.05 | 29.98 | 30.018 | 1.2 | 1.2 | 336 | 15 | W | 9 | 287 | 185 |
| 8 | 71.4 | 39.9 | 55.7 | 55.6 | 44 | 69 | 9 | 0 | ..... | 0 | 0.00 | 0.0 | 30.09 | 29.98 | 30.029 | 1.3 | 1.2 | 266 | 12 | N | 10 | 257 | 248 |
| 9 | 75.9* | 48.1 | 62.0 | 61.8 | 44 | 54 | 3 | 0 | ..... | 0 | 0.00 | 0.0 | 30.06 | 29.93 | 29.993 | 4.3 | 4.3 | 175 | 22 | SSE | 11 | 164 | 254 |
| 10 | 75.8 | 51.9 | 63.9* | 62.6 | 49 | 62 | 1 | 0 | ..... | 0 | 0.01 | 0.0 | 29.95 | 29.66 | 29.827 | 3.4 | 3.1 | 182 | 20 | SSE | 11 | 178 | 247 |
| 11 | 75.8 | 46.1 | 61.0 | 59.1 | 48 | 68 | 4 | 0 | ..... | 0 | T | 0.0 | 29.68 | 29.54 | 29.618 | 1.8 | 0.5 | 246 | 15 | SSE | 10 | 266 | 194 |
| 12 | 64.6 | 39.5 | 52.0 | 53.7 | 41 | 64 | 12 | 0 | ..... | 0 | 0.00 | 0.0 | 29.93 | 29.68 | 29.778 | 1.5 | 1.1 | 38 | 18 | N | 9 | 19 | 173 |
| 13 | 67.1 | 37.5 | 52.3 | 53.0 | 41 | 65 | 12 | 0 | ..... | 0 | 0.00 | 0.0 | 30.04 | 29.93 | 29.989 | 1.7 | 1.5 | 292 | 18 | W | 10 | 256 | 271 |
| 14 | 70.0 | 45.0 | 57.5 | 55.5 | 40 | 58 | 7 | 0 | ..... | 0 | 0.00 | 0.0 | 30.01 | 29.79 | 29.914 | 1.3 | 1.0 | 285 | 16 | W | 9 | 269 | 230 |
| 15 | 52.6 | 37.3 | 44.9 | 45.8 | 41 | 84 | 20 | 0 | ..... | 0 | 0.83 | 0.0 | 29.79 | 29.64 | 29.699 | 2.2 | 2.0 | 136 | 15 | SSE | 9 | 117 | 47 |
| 16 | 37.3 | 32.7 | 35.0 | 34.6 | 33 | 95 | 30 | 0 | ..... | T | 0.55 | 0.3 | 29.75 | 29.65 | 29.691 | 1.5 | 0.6 | 359 | 12 | S | 7 | 173 | 31 |
| 17 | 44.4 | 33.8 | 39.1 | 38.8 | 36 | 89 | 26 | 0 | ..... | 0 | 0.09 | 0.0 | 29.79 | 29.72 | 29.757 | 0.7 | 0.7 | 313 | 12 | W | 7 | 289 | 62 |
| 18 | 55.7 | 35.5 | 45.6 | 44.1 | 37 | 77 | 19 | 0 | ..... | 0 | 0.00 | 0.0 | 29.79 | 29.73 | 29.761 | 1.5 | 1.4 | 250 | 14 | W | 9 | 260 | 224 |
| 19 | 62.0 | 36.3 | 49.1 | 48.7 | 38 | 70 | 16 | 0 | ..... | 0 | T | 0.0 | 29.81 | 29.70 | 29.759 | 2.8 | 2.5 | 186 | 18 | SSE | 10 | 167 | 170 |
| 20 | 54.4 | 40.0 | 47.2 | 46.6 | 33 | 61 | 18 | 0 | ..... | 0 | T | 0.0 | 29.91 | 29.69 | 29.791 | 6.3 | 5.5 | 226 | 23 | WSW | 15 | 253 | 128 |
| 21 | 40.1 | 25.6 | 32.8 | 31.7 | 28 | 87 | 32 | 0 | ..... | 4 | 0.10 | 3.8 | 29.90 | 29.66 | 29.748 | 1.8 | 1.5 | 290 | 14 | W | 9 | 254 | 18 |
| 22 | 35.8 | 22.8 | 29.3 | 28.8 | 21 | 73 | 35 | 0 | ..... | 4 | 0.01 | 1.6 | 29.70 | 29.60 | 29.645 | 6.4 | 6.3 | 266 | 28 | WNW | 17 | 264 | 62 |
| 23 | 54.9 | 34.0 | 44.5 | 43.7 | 28 | 54 | 20 | 0 | ..... | 0 | 0.10 | 0.0 | 29.77 | 29.69 | 29.735 | 7.5 | 6.9 | 247 | 30 | W | 17 | 264 | 240 |
| 24 | 67.8 | 41.8 | 54.8 | 53.7 | 33 | 48 | 10 | 0 | ..... | 0 | 0.00 | 0.0 | 29.85 | 29.75 | 29.794 | 4.4 | 4.1 | 204 | 19 | WSW | 14 | 241 | 244 |
| 25 | 59.2 | 39.8 | 49.5 | 48.6 | 39 | 70 | 15 | 0 | ..... | 0 | 0.14 | 0.0 | 29.78 | 29.63 | 29.685 | 1.8 | 1.2 | 220 | 21 | W | 13 | 270 | 68 |
| 26 | 45.0 | 28.8 | 36.9 | 35.4 | 25 | 67 | 28 | 0 | ..... | 0 | T | T | 30.03 | 29.76 | 29.951 | 5.9 | 5.8 | 279 | 30 | W | 16 | 263 | 114 |
| 27 | 61.4 | 31.2 | 46.3 | 45.9 | 22 | 42 | 19 | 0 | ..... | 0 | 0.00 | 0.0 | 30.06 | 29.88 | 29.974 | 1.9 | 1.8 | 264 | 16 | W | 10 | 254 | 283 |
| 28 | 63.8 | 44.5 | 54.1 | 50.9 | 43 | 77 | 10 | 0 | ..... | 0 | 0.52 | 0.0 | 29.90 | 29.76 | 29.828 | 0.9 | 0.3 | 250 | 11 | W | 8 | 260 | 126 |
| 29 | 57.3 | 47.3 | 52.3 | 51.7 | 50 | 95 | 13 | 0 | ..... | 0 | 0.20 | 0.0 | 29.77 | 29.39 | 29.638 | 0.1 | 0.0 | 205 | 6 | SSE | 3 | 230 | 62 |
| 30 | 51.5 | 33.5 | 42.5 | 45.2 | 44 | 96 | 22 | 0 | ..... | 0 | 1.18 | 0.0 | 29.52 | 29.17 | 29.295 | 5.0 | 4.6 | 254 | 27 | W | 15 | 266 | 28 |
| Sum | Sum | ----- | ----- | --- | ---- | Ttl | Ttl | | | | Total | Total | For the month: | | | | | | | | | | --- |
| 1691 | 1062 | | | | | 566 | 0 | | Number of Days | | 4.02 | 9.3 | 30.28 | 29.17 | 29.837 | 2.6 | 1.6 | 251 | 30 | W | 17 | 264 | |
| Avg | Avg | Avg | Mean | Avg | Avg | ---- | ---- | | Precip | | Season Ttl | | Date | Date | ----- | ---- | ---- | --- | Date | Date | Avg | | |
| 56.4 | 35.4 | 45.9 | 45.4 | 35 | 69.0 | ---- | ---- | | ≥.01 inch | 14 | 9.69 | 76.7 | 3 | 30 | ----- | ---- | ---- | --- | 23+ | 22 | 159 | | |
| Number of Days | | | | | | Season to Date | Snow, Ice ≥1.0 inch | 3 | Greatest in 24 Hours and Dates | | | | | | Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date | | | | | | | | |
| Max Temperature | | | Min Temperature | | | 6918 | 0 | Thunder | 0 | Precipitation | | | Snow, Ice Plts | | | | | | | | | | |
| ≥ 90°F | ≤ 32°F | ≤ 32°F | ≤ 0°F | ---- | ---- | Heavy Fog | 0 | 1.19 | 29-30 | 3.8 | 21 | | | | | 4 | | 21+ | | | | | |
| 0 | 1 | 9 | 0 | ---- | ---- | Clear | 7 | Partly Cloudy | | | 11 | 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.
- Column 23: Solar Radiation is measured in W/m² and is continuously averaged for 24 hours.

OBSERVATIONS AT 3-HOUR INTERVALS

April 2021: Westford

| Hour | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | | | Wind | | | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | | | Wind | | | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | | | Wind | | |
|--------|----------|----------|---------------|-------------|-----------|-----------|-------|------|-----------|-------|-------|----------|----------|---------------|-------------|-----------|-----------|-------|------|-----------|-------|------|----------|----------|---------------|-------------|-----------|-----------|-------|------|-----------|-------|------|
| | | | | | | Direction | Speed | Gust | Direction | Speed | Gust | | | | | | Direction | Speed | Gust | Direction | Speed | Gust | | | | | | Direction | Speed | Gust | Direction | Speed | Gust |
| APR 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.92 | 0.08 | 39 | 37 | 93 | 31 | 1 | 11 | 0 | 30.03 | 0.00 | 21 | 16 | 81 | 29 | 0 | 0 | 0 | 30.19 | 0.00 | 25 | 11 | 53 | 25 | 3 | 5 | | | | | | |
| 03 | 0 | 29.86 | 0.00 | 36 | 34 | 93 | 05 | 0 | 2 | 0 | 30.03 | 0.00 | 19 | 13 | 79 | 30 | 0 | 0 | 0 | 30.20 | 0.00 | 23 | 12 | 62 | 26 | 0 | 2 | | | | | | |
| 06 | 0 | 29.80 | 0.00 | 33 | 32 | 95 | 33 | 3 | 8 | 0 | 30.08 | 0.00 | 18 | 14 | 84 | 28 | 0 | 3 | 0 | 30.25 | 0.00 | 20 | 10 | 65 | 23 | 0 | 0 | | | | | | |
| 09 | 14 | 29.83 | 0.00 | 32 | 30 | 95 | 33 | 0 | 0 | 93 | 30.14 | 0.00 | 20 | 12 | 70 | 28 | 3 | 13 | 383 | 30.28 | 0.00 | 29 | 12 | 49 | 24 | 3 | 7 | | | | | | |
| 12 | 47 | 29.86 | 0.00 | 30 | 28 | 93 | 31 | 0 | 0 | 408 | 30.15 | 0.00 | 24 | 14 | 66 | 28 | 4 | 12 | 786 | 30.25 | 0.00 | 37 | 12 | 35 | 29 | 2 | 10 | | | | | | |
| 15 | 60 | 29.88 | 0.00 | 28 | 25 | 90 | 32 | 0 | 0 | 371 | 30.15 | 0.00 | 28 | 16 | 60 | 28 | 3 | 11 | 712 | 30.19 | 0.00 | 44 | 12 | 27 | 27 | 3 | 13 | | | | | | |
| 18 | 16 | 29.93 | 0.00 | 28 | 26 | 90 | 28 | 0 | 0 | 91 | 30.15 | 0.00 | 30 | 16 | 54 | 26 | 2 | 10 | 216 | 30.16 | 0.00 | 47 | 12 | 24 | 31 | 2 | 5 | | | | | | |
| 21 | 0 | 30.02 | 0.00 | 24 | 19 | 79 | 26 | 0 | 0 | 0 | 30.18 | 0.00 | 29 | 13 | 50 | 22 | 4 | 9 | 0 | 30.17 | 0.00 | 32 | 20 | 61 | 31 | 0 | 0 | | | | | | |
| APR 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 30.17 | 0.00 | 31 | 15 | 52 | 30 | 0 | 0 | 0 | 29.97 | 0.00 | 44 | 31 | 59 | 34 | 3 | 14 | 0 | 29.93 | 0.00 | 42 | 25 | 50 | 35 | 1 | 6 | | | | | | |
| 03 | 0 | 30.14 | 0.00 | 28 | 20 | 71 | 23 | 0 | 0 | 0 | 29.96 | 0.00 | 38 | 28 | 68 | 34 | 1 | 7 | 0 | 29.92 | 0.00 | 38 | 30 | 73 | 35 | 0 | 0 | | | | | | |
| 06 | 0 | 30.12 | 0.00 | 26 | 19 | 75 | 23 | 0 | 0 | 0 | 29.97 | 0.00 | 34 | 28 | 78 | 32 | 2 | 9 | 0 | 29.94 | 0.00 | 33 | 25 | 72 | 35 | 0 | 3 | | | | | | |
| 09 | 223 | 30.10 | 0.00 | 39 | 29 | 66 | 23 | 0 | 0 | 362 | 29.98 | 0.00 | 40 | 30 | 68 | 30 | 3 | 17 | 383 | 29.99 | 0.00 | 42 | 27 | 54 | 31 | 1 | 7 | | | | | | |
| 12 | 540 | 30.10 | 0.00 | 45 | 24 | 44 | 27 | 3 | 8 | 522 | 29.95 | 0.00 | 46 | 26 | 44 | 31 | 4 | 18 | 784 | 29.98 | 0.00 | 51 | 31 | 46 | 00 | 3 | 13 | | | | | | |
| 15 | 689 | 30.03 | 0.00 | 51 | 28 | 40 | 28 | 8 | 15 | 577 | 29.91 | 0.00 | 52 | 25 | 35 | 28 | 10 | 19 | 710 | 29.92 | 0.00 | 55 | 34 | 46 | 26 | 7 | 14 | | | | | | |
| 18 | 199 | 30.00 | 0.00 | 50 | 27 | 40 | 30 | 5 | 15 | 142 | 29.90 | 0.00 | 53 | 28 | 38 | 29 | 2 | 14 | 260 | 29.95 | 0.00 | 56 | 37 | 48 | 29 | 3 | 11 | | | | | | |
| 21 | 0 | 29.99 | 0.00 | 43 | 29 | 56 | 33 | 0 | 1 | 0 | 29.93 | 0.00 | 43 | 25 | 49 | 34 | 1 | 5 | 0 | 29.99 | 0.00 | 44 | 36 | 72 | 29 | 0 | 2 | | | | | | |
| APR 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.99 | 0.00 | 41 | 35 | 79 | 29 | 0 | 0 | 0 | 30.04 | 0.00 | 46 | 42 | 86 | 28 | 0 | 0 | 0 | 29.99 | 0.00 | 52 | 42 | 67 | 05 | 0 | 3 | | | | | | |
| 03 | 0 | 29.99 | 0.00 | 44 | 38 | 78 | 29 | 0 | 0 | 0 | 30.04 | 0.00 | 43 | 41 | 92 | 28 | 0 | 0 | 0 | 30.00 | 0.00 | 50 | 42 | 75 | 17 | 2 | 6 | | | | | | |
| 06 | 0 | 30.01 | 0.00 | 45 | 40 | 83 | 34 | 4 | 10 | 0 | 30.06 | 0.00 | 41 | 39 | 95 | 28 | 0 | 0 | 0 | 30.01 | 0.00 | 53 | 43 | 70 | 16 | 5 | 11 | | | | | | |
| 09 | 190 | 30.04 | 0.00 | 50 | 43 | 78 | 33 | 1 | 9 | 380 | 30.09 | 0.00 | 41 | 53 | 46 | 77 | 28 | 0 | 2 | 396 | 30.05 | 0.00 | 60 | 46 | 62 | 17 | 7 | 13 | | | | | |
| 12 | 345 | 30.04 | 0.00 | 57 | 45 | 65 | 32 | 1 | 9 | 821 | 30.06 | 0.00 | 63 | 46 | 53 | 26 | 2 | 7 | 784 | 30.04 | 0.00 | 69 | 47 | 46 | 18 | 8 | 15 | | | | | | |
| 15 | 900 | 30.02 | 0.00 | 63 | 48 | 57 | 32 | 3 | 9 | 696 | 30.00 | 0.00 | 70 | 47 | 44 | 25 | 2 | 10 | 724 | 29.97 | 0.00 | 75 | 44 | 33 | 21 | 7 | 13 | | | | | | |
| 18 | 229 | 30.01 | 0.00 | 64 | 46 | 53 | 31 | 2 | 5 | 223 | 29.98 | 0.00 | 69 | 47 | 46 | 25 | 4 | 7 | 216 | 29.94 | 0.00 | 73 | 42 | 32 | 17 | 6 | 11 | | | | | | |
| 21 | 0 | 30.05 | 0.00 | 48 | 43 | 83 | 28 | 0 | 0 | 0 | 29.99 | 0.00 | 58 | 46 | 66 | 27 | 0 | 0 | 0 | 29.95 | 0.00 | 61 | 43 | 52 | 17 | 0 | 4 | | | | | | |
| APR 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.94 | 0.00 | 61 | 43 | 51 | 17 | 4 | 12 | 0 | 29.67 | 0.00 | 54 | 48 | 81 | 24 | 0 | 0 | 0 | 29.68 | 0.00 | 52 | 42 | 68 | 15 | 4 | 9 | | | | | | |
| 03 | 0 | 29.93 | 0.00 | 59 | 44 | 57 | 16 | 3 | 10 | 0 | 29.64 | 0.00 | 51 | 47 | 85 | 25 | 0 | 0 | 0 | 29.71 | 0.00 | 48 | 39 | 72 | 10 | 0 | 0 | | | | | | |
| 06 | 0 | 29.92 | 0.00 | 55 | 48 | 75 | 18 | 8 | 16 | 0 | 29.64 | 0.00 | 48 | 45 | 91 | 25 | 0 | 0 | 0 | 29.74 | 0.00 | 40 | 36 | 87 | 10 | 0 | 0 | | | | | | |
| 09 | 381 | 29.93 | 0.00 | 56 | 49 | 77 | 16 | 10 | 19 | 343 | 29.65 | 0.00 | 59 | 49 | 71 | 03 | 2 | 4 | 420 | 29.78 | 0.00 | 54 | 41 | 60 | 05 | 2 | 6 | | | | | | |
| 12 | 779 | 29.86 | 0.00 | 68 | 52 | 57 | 16 | 4 | 9 | 756 | 29.61 | 0.00 | 65 | 51 | 60 | 30 | 1 | 9 | 949 | 29.76 | 0.00 | 63 | 45 | 52 | 07 | 3 | 11 | | | | | | |
| 15 | 701 | 29.78 | 0.00 | 74 | 54 | 50 | 23 | 3 | 8 | 742 | 29.54 | 0.00 | 75 | 52 | 45 | 34 | 2 | 11 | 214 | 29.75 | 0.00 | 62 | 45 | 53 | 06 | 1 | 12 | | | | | | |
| 18 | 195 | 29.71 | 0.00 | 74 | 48 | 39 | 26 | 3 | 6 | 46 | 29.56 | 0.00 | 67 | 51 | 55 | 11 | 0 | 3 | 49 | 29.80 | 0.00 | 60 | 43 | 55 | 34 | 3 | 6 | | | | | | |
| 21 | 0 | 29.70 | 0.00 | 59 | 50 | 70 | 24 | 0 | 0 | 0 | 29.62 | 0.00 | 59 | 44 | 59 | 15 | 4 | 13 | 0 | 29.88 | 0.00 | 56 | 42 | 59 | 16 | 0 | 5 | | | | | | |
| APR 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.93 | 0.00 | 45 | 37 | 74 | 05 | 0 | 0 | 0 | 29.98 | 0.00 | 50 | 42 | 74 | 02 | 0 | 0 | 0 | 29.79 | 0.00 | 52 | 41 | 67 | 02 | 0 | 4 | | | | | | |
| 03 | 0 | 29.96 | 0.00 | 41 | 35 | 80 | 05 | 0 | 0 | 0 | 29.98 | 0.00 | 46 | 41 | 83 | 13 | 0 | 0 | 0 | 29.74 | 0.00 | 51 | 42 | 70 | 01 | 0 | 4 | | | | | | |
| 06 | 0 | 30.00 | 0.00 | 38 | 35 | 87 | 05 | 0 | 0 | 0 | 29.99 | 0.00 | 46 | 39 | 77 | 13 | 0 | 0 | 0 | 29.71 | 0.06 | 49 | 45 | 87 | 12 | 0 | 3 | | | | | | |
| 09 | 425 | 30.03 | 0.00 | 50 | 40 | 69 | 01 | 3 | 6 | 200 | 30.00 | 0.00 | 51 | 37 | 58 | 03 | 0 | 3 | 220 | 29.69 | 0.00 | 51 | 43 | 75 | 15 | 2 | 8 | | | | | | |
| 12 | 835 | 30.02 | 0.00 | 61 | 43 | 52 | 32 | 1 | 9 | 814 | 29.94 | 0.00 | 63 | 40 | 43 | 24 | 3 | 8 | 127 | 29.69 | 0.12 | 47 | 44 | 91 | 11 | 2 | 10 | | | | | | |
| 15 | 436 | 29.98 | 0.00 | 64 | 43 | 46 | 27 | 9 | 17 | 765 | 29.86 | 0.00 | 69 | 40 | 35 | 29 | 2 | 6 | 111 | 29.65 | 0.05 | 44 | 41 | 89 | 12 | 2 | 12 | | | | | | |
| 18 | 287 | 29.97 | 0.00 | 62 | 44 | 51 | 27 | 3 | 10 | 88 | 29.83 | 0.00 | 60 | 38 | 44 | 27 | 5 | 11 | 121 | 29.66 | 0.00 | 42 | 39 | 88 | 11 | 4 | 13 | | | | | | |
| 21 | 0 | 29.99 | 0.00 | 57 | 44 | 62 | 27 | 0 | 0 | 0 | 29.83 | 0.00 | 56 | 41 | 56 | 31 | 3 | 7 | 0 | 29.70 | 0.00 | 40 | 37 | 90 | 11 | 1 | 9 | | | | | | |
| APR 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00 | 0 | 29.69 | 0.00 | 37 | 35 | 93 | 14 | 3 | 12 | 0 | 29.73 | 0.00 | 34 | 33 | 97 | 34 | 0 | 0 | 0 | 29.77 | 0.00 | 37 | 34 | 92 | 29 | 0 | 0 | | | | | | |
| 03 | 0 | 29.68 | 0.00 | 36 | 34 | 94 | 21 | 0 | 3 | 0 | 29.73 | 0.00 | 35 | 35 | 97 | 33 | 1 | 8 | 0 | 29.76 | 0.00 | 37 | 34 | 91 | 29 | 0 | 0 | | | | | | |
| 06 | 0 | 29.69 | 0.00 | 35 | 33 | 94 | 07 | 0 | 0 | 0 | 29.73 | 0.00 | 36 | 35 | 97 | 32 | 0 | 4 | 0 | 29.75 | 0.00 | 36 | 35 | 94 | 29 | 0 | 0 | | | | | | |
| 09 | 74 | 29.69 | 0.05 | 34 | 33 | 95 | 00 | 1 | 6 | 49 | 29.75 | 0.00 | 38 | 37 | 97 | 29 | 0 | 4 | 269 | 29.77 | 0.00 | 43 | 36 | 75 | 22 | 2 | 6 | | | | | | |
| 12 | 107 | 29.67 | 0.05 | 35 | 34 | 94 | 35 | 3 | 10 | 211 | 29.76 | 0.00 | 40 | 38 | 91 | 29 | 1 | 9 | 441 | 29.77 | 0.00 | 47 | 38 | 71 | 25 | 3 | 9 | | | | | | |
| 15 | 62 | 29.66 | 0.04 | 33 | 32 | 95 | 33 | 0 | 4 | 218 | 29.77 | 0.00 | 43 | 37 | 78 | 31 | 2 | 9 | 786 | 29.75 | 0.00 | 52 | 40 | 65 | 25 | 1 | 8 | | | | | | |
| 18 | 12 | 29.69 | 0.04 | 33 | 32 | 96 | 34 | 2 | 12 | 44 | 29.78 | 0.00 | 42 | 35 | 76 | 26 | 2 | 4 | 264 | 29.74 | 0.00 | 55 | 39 | 55 | 30 | 0 | 5 | | | | | | |
| 21 | 0 | 29.74 | 0.00 | 34 | 33 | 96 | 33 | 0 | 3 | 0 | 29.79 | 0.00 | 39 | 36 | 87 | 29 | 0 | 0 | 0 | 29.78 | 0.00 | 43 | 37 | 78 | 21 | 0 | 3 | | | | | | |
| APR 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APR 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MAXIMUM SHORT DURATION PRECIPITATION

| | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Time Period (minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
| Precipitation | 0.04 | 0.06 | 0.08 | 0.09 | 0.12 | 0.16 | 0.19 | 0.23 | 0.26 | 0.30 | 0.35 | 0.38 |
| Ended: Date | 25 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Ended: Time | 2115 | 1055 | 1057 | 1057 | 1101 | 1116 | 1116 | 1138 | 1156 | 1224 | 1247 | 1306 |

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

April 2021: Westford

| Hour | APR 19 | | | | | | | | | APR 20 | | | | | | | | | APR 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 | 29.78 | 0.00 | 38 | 36 | 91 | 17 | 3 | 6 | 0 | 29.75 | 0.00 | 44 | 34 | 69 | 18 | 1 | 4 | 0 | 29.89 | 0.00 | 40 | 30 | 66 | 23 | 3 | 6 |
| 03 | 0 | 29.78 | 0.00 | 38 | 36 | 95 | 16 | 1 | 5 | 0 | 29.74 | 0.00 | 46 | 35 | 65 | 16 | 4 | 9 | 0 | 29.86 | 0.00 | 38 | 30 | 72 | 24 | 0 | 4 |
| 06 | 0 | 29.79 | 0.00 | 41 | 39 | 93 | 17 | 4 | 8 | 0 | 29.71 | 0.00 | 47 | 35 | 64 | 18 | 4 | 8 | 0 | 29.82 | 0.00 | 34 | 29 | 82 | 35 | 0 | 4 |
| 09 | 167 | 29.80 | 0.00 | 47 | 42 | 83 | 18 | 4 | 12 | 32 | 29.72 | 0.00 | 49 | 39 | 69 | 22 | 8 | 16 | 12 | 29.77 | 0.00 | 32 | 30 | 92 | 33 | 1 | 5 |
| 12 | 993 | 29.76 | 0.00 | 57 | 43 | 59 | 23 | 4 | 9 | 202 | 29.79 | 0.00 | 46 | 36 | 68 | 23 | 6 | 12 | 83 | 29.67 | 0.00 | 33 | 31 | 94 | 31 | 0 | 4 |
| 15 | 274 | 29.72 | 0.00 | 61 | 38 | 42 | 17 | 6 | 12 | 302 | 29.82 | 0.00 | 50 | 34 | 54 | 24 | 9 | 18 | 65 | 29.67 | 0.00 | 30 | 28 | 93 | 34 | 1 | 8 |
| 18 | 95 | 29.71 | 0.00 | 60 | 39 | 45 | 20 | 1 | 11 | 93 | 29.84 | 0.00 | 49 | 27 | 42 | 23 | 6 | 15 | 14 | 29.69 | 0.00 | 28 | 26 | 92 | 29 | 3 | 9 |
| 21 | 0 | 29.74 | 0.00 | 49 | 36 | 61 | 17 | 0 | 5 | 0 | 29.90 | 0.00 | 44 | 28 | 53 | 24 | 11 | 17 | 0 | 29.70 | 0.00 | 26 | 24 | 91 | 27 | 2 | 8 |
| APR 22 | | | | | | | | | APR 23 | | | | | | | | | APR 24 | | | | | | | | | |
| 00 | 0 | 29.67 | 0.00 | 26 | 24 | 92 | 27 | 2 | 10 | 0 | 29.70 | 0.00 | 35 | 20 | 54 | 25 | 8 | 15 | 0 | 29.76 | 0.00 | 45 | 33 | 63 | 20 | 4 | 13 |
| 03 | 0 | 29.63 | 0.00 | 24 | 19 | 82 | 27 | 3 | 9 | 0 | 29.70 | 0.00 | 35 | 22 | 58 | 22 | 5 | 15 | 0 | 29.76 | 0.00 | 43 | 32 | 65 | 18 | 4 | 8 |
| 06 | 0 | 29.62 | 0.00 | 24 | 19 | 84 | 28 | 8 | 15 | 0 | 29.73 | 0.00 | 35 | 25 | 67 | 21 | 5 | 15 | 7 | 29.80 | 0.00 | 42 | 31 | 66 | 20 | 3 | 8 |
| 09 | 56 | 29.63 | 0.00 | 26 | 19 | 77 | 26 | 8 | 15 | 158 | 29.76 | 0.05 | 40 | 27 | 60 | 25 | 6 | 13 | 330 | 29.82 | 0.00 | 54 | 36 | 50 | 18 | 7 | 12 |
| 12 | 98 | 29.64 | 0.00 | 25 | 22 | 89 | 27 | 6 | 17 | 863 | 29.75 | 0.00 | 48 | 32 | 54 | 27 | 10 | 20 | 833 | 29.84 | 0.00 | 61 | 37 | 41 | 22 | 8 | 17 |
| 15 | 295 | 29.65 | 0.00 | 29 | 22 | 74 | 26 | 7 | 20 | 965 | 29.72 | 0.00 | 54 | 30 | 40 | 28 | 10 | 21 | 613 | 29.79 | 0.00 | 64 | 33 | 31 | 19 | 5 | 19 |
| 18 | 54 | 29.65 | 0.00 | 34 | 22 | 60 | 27 | 6 | 15 | 97 | 29.72 | 0.00 | 53 | 29 | 39 | 25 | 14 | 25 | 139 | 29.78 | 0.00 | 63 | 32 | 31 | 23 | 5 | 13 |
| 21 | 0 | 29.69 | 0.00 | 36 | 21 | 54 | 25 | 9 | 17 | 0 | 29.77 | 0.00 | 46 | 30 | 52 | 17 | 3 | 11 | 0 | 29.80 | 0.00 | 52 | 32 | 45 | 19 | 2 | 4 |
| APR 25 | | | | | | | | | APR 26 | | | | | | | | | APR 27 | | | | | | | | | |
| 00 | 0 | 29.78 | 0.00 | 49 | 32 | 52 | 20 | 0 | 0 | 0 | 29.76 | 0.00 | 40 | 36 | 86 | 29 | 8 | 20 | 0 | 30.02 | 0.00 | 34 | 22 | 61 | 30 | 0 | 2 |
| 03 | 0 | 29.72 | 0.00 | 44 | 32 | 63 | 20 | 0 | 0 | 0 | 29.85 | 0.00 | 32 | 26 | 77 | 26 | 10 | 18 | 0 | 30.04 | 0.00 | 33 | 21 | 61 | 24 | 1 | 5 |
| 06 | 5 | 29.68 | 0.00 | 43 | 33 | 69 | 19 | 0 | 0 | 0 | 29.91 | 0.00 | 29 | 22 | 73 | 25 | 10 | 17 | 9 | 30.05 | 0.00 | 31 | 20 | 63 | 24 | 0 | 3 |
| 09 | 174 | 29.69 | 0.00 | 55 | 36 | 47 | 17 | 4 | 7 | 137 | 29.95 | 0.00 | 30 | 22 | 72 | 28 | 8 | 20 | 482 | 30.04 | 0.00 | 43 | 22 | 43 | 27 | 3 | 9 |
| 12 | 179 | 29.67 | 0.00 | 57 | 39 | 51 | 17 | 5 | 11 | 336 | 29.98 | 0.00 | 35 | 25 | 67 | 29 | 6 | 18 | 798 | 30.00 | 0.00 | 52 | 22 | 31 | 28 | 2 | 12 |
| 15 | 63 | 29.64 | 0.00 | 53 | 44 | 73 | 21 | 0 | 2 | 318 | 29.99 | 0.00 | 39 | 26 | 59 | 27 | 10 | 23 | 383 | 29.93 | 0.00 | 58 | 22 | 25 | 26 | 4 | 14 |
| 18 | 25 | 29.65 | 0.00 | 49 | 46 | 90 | 24 | 0 | 0 | 302 | 30.00 | 0.00 | 43 | 27 | 52 | 27 | 6 | 20 | 225 | 29.89 | 0.00 | 60 | 21 | 22 | 01 | 1 | 4 |
| 21 | 0 | 29.65 | 0.00 | 45 | 44 | 95 | 17 | 2 | 6 | 0 | 30.01 | 0.00 | 37 | 25 | 61 | 28 | 0 | 0 | 0 | 29.92 | 0.00 | 49 | 28 | 44 | 29 | 0 | 0 |
| APR 28 | | | | | | | | | APR 29 | | | | | | | | | APR 30 | | | | | | | | | |
| 00 | 0 | 29.89 | 0.00 | 47 | 31 | 53 | 29 | 0 | 0 | 0 | 29.76 | 0.00 | 48 | 47 | 96 | 04 | 0 | 0 | 0 | 29.39 | 0.05 | 52 | 51 | 97 | 27 | 0 | 0 |
| 03 | 0 | 29.86 | 0.00 | 48 | 29 | 49 | 17 | 2 | 7 | 0 | 29.74 | 0.00 | 47 | 47 | 97 | 04 | 0 | 2 | 0 | 29.30 | 0.11 | 51 | 51 | 98 | 27 | 0 | 0 |
| 06 | 0 | 29.87 | 0.00 | 45 | 40 | 81 | 17 | 1 | 9 | 0 | 29.75 | 0.00 | 48 | 47 | 97 | 04 | 0 | 0 | 0 | 29.25 | 0.08 | 49 | 48 | 97 | 24 | 6 | 15 |
| 09 | 128 | 29.88 | 0.00 | 51 | 43 | 74 | 06 | 0 | 4 | 53 | 29.74 | 0.00 | 50 | 50 | 97 | 04 | 0 | 0 | 26 | 29.20 | 0.00 | 48 | 47 | 95 | 20 | 6 | 12 |
| 12 | 849 | 29.85 | 0.00 | 62 | 49 | 62 | 24 | 3 | 11 | 225 | 29.68 | 0.00 | 55 | 52 | 89 | 18 | 0 | 0 | 54 | 29.18 | 0.00 | 48 | 46 | 95 | 24 | 8 | 18 |
| 15 | 105 | 29.80 | 0.05 | 55 | 49 | 82 | 25 | 1 | 8 | 98 | 29.62 | 0.00 | 56 | 53 | 91 | 24 | 0 | 0 | 181 | 29.21 | 0.04 | 47 | 46 | 96 | 28 | 5 | 21 |
| 18 | 35 | 29.78 | 0.00 | 50 | 47 | 92 | 33 | 0 | 10 | 21 | 29.53 | 0.00 | 54 | 53 | 94 | 24 | 0 | 0 | 14 | 29.33 | 0.16 | 46 | 45 | 97 | 27 | 7 | 14 |
| 21 | 0 | 29.78 | 0.05 | 48 | 47 | 95 | 03 | 1 | 6 | 0 | 29.46 | 0.04 | 52 | 51 | 96 | 27 | 0 | 3 | 0 | 29.46 | 0.04 | 34 | 33 | 96 | 22 | 3 | 7 |

WEATHER NOTES

NOTES:
 Units: Temperature= $^{\circ}$ 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 | 29.854 | 42 | 33 | 73 | 1.6 | 24 | 0.9 |
| 03 | 0 | 29.842 | 40 | 33 | 77 | 1.3 | 22 | 0.8 |
| 06 | 1 | 29.846 | 38 | 33 | 81 | 2.1 | 23 | 1.2 |
| 09 | 219 | 29.859 | 44 | 35 | 72 | 3.2 | 23 | 1.7 |
| 12 | 519 | 29.843 | 50 | 36 | 63 | 3.6 | 26 | 2.2 |
| 15 | 438 | 29.811 | 53 | 36 | 58 | 4.1 | 27 | 3.2 |
| 18 | 127 | 29.811 | 52 | 35 | 58 | 3.2 | 27 | 2.4 |
| 21 | 0 | 29.840 | 45 | 34 | 69 | 1.6 | 23 | 1.1 |

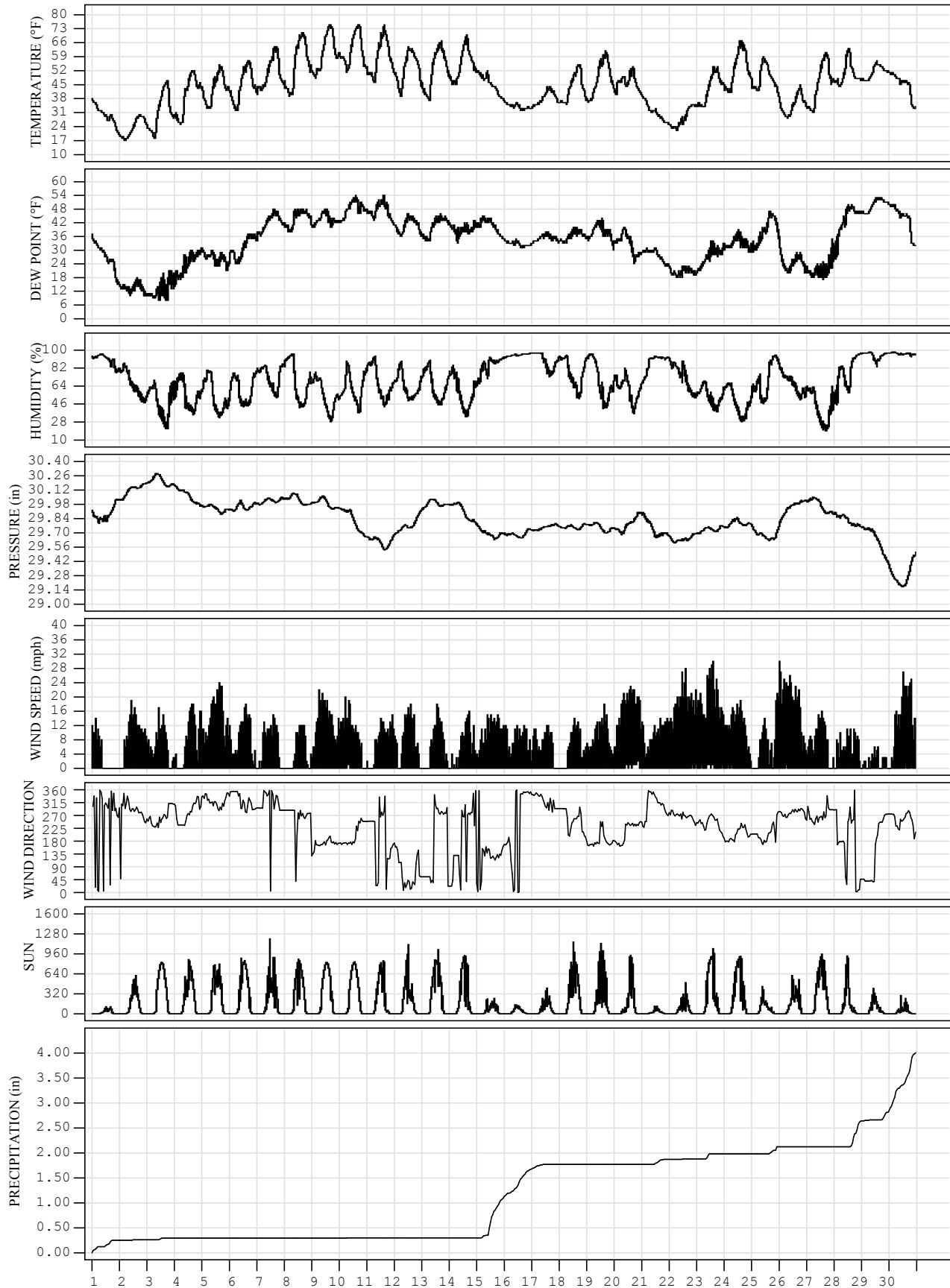
HOURLY PRECIPITATION (Water Equivalent) April 2021: Westford

| 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 | 0.04 | 0.02 | 0.01 | 0.02 | 0.03 | | | | | | | 0.02 | 0.02 | 0.01 | 0.01 | 0.03 | 0.03 | 0.01 | | | | | | 01 | |
| 02 | | | | | | | | | | | | 0.01 | 0.01 | 0.01 | | | | | | | | | | 02 | |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | 03 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | 04 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | 05 | |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | 06 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | 07 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | 08 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | 09 | |
| 10 | | | | | | | 0.01 | | | | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | 14 | |
| 15 | | | | | 0.01 | 0.03 | | 0.01 | | | 0.14 | 0.12 | 0.11 | 0.05 | 0.06 | 0.02 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.02 | 0.02 | 0.04 | 15 |
| 16 | 0.01 | 0.03 | 0.02 | | 0.01 | 0.01 | 0.02 | 0.01 | 0.04 | 0.01 | 0.02 | 0.04 | 0.06 | 0.06 | 0.02 | 0.03 | 0.03 | 0.02 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 16 |
| 17 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | | 0.01 | 0.01 | | 0.01 | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 0.02 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | | 0.01 | | | | | 21 |
| 22 | | | | | | | | | | | | 0.01 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | 0.02 | 0.05 | 0.03 | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | 0.01 | 0.02 | 0.02 | 0.02 | | | 0.07 | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | | | 0.02 | 0.06 | 0.12 | 0.06 | 0.01 | 0.07 | 0.11 | 0.04 | 0.02 | 0.01 | 28 |
| 29 | | | 0.01 | | | | 0.01 | | | | | | | | 0.01 | 0.03 | 0.04 | 0.05 | 0.02 | | | | 0.03 | 0.03 | 29 |
| 30 | 0.06 | 0.03 | 0.07 | 0.07 | 0.04 | 0.12 | 0.04 | 0.02 | 0.01 | 0.03 | 0.02 | 0.01 | 0.02 | 0.04 | 0.06 | 0.06 | 0.04 | 0.07 | 0.15 | 0.11 | 0.05 | 0.02 | 0.02 | 0.02 | 30 |
| Sum | 0.12 | 0.09 | 0.12 | 0.11 | 0.10 | 0.16 | 0.09 | 0.05 | 0.07 | 0.10 | 0.22 | 0.24 | 0.23 | 0.17 | 0.19 | 0.23 | 0.29 | 0.23 | 0.30 | 0.28 | 0.26 | 0.19 | 0.07 | 0.11 | Sum |

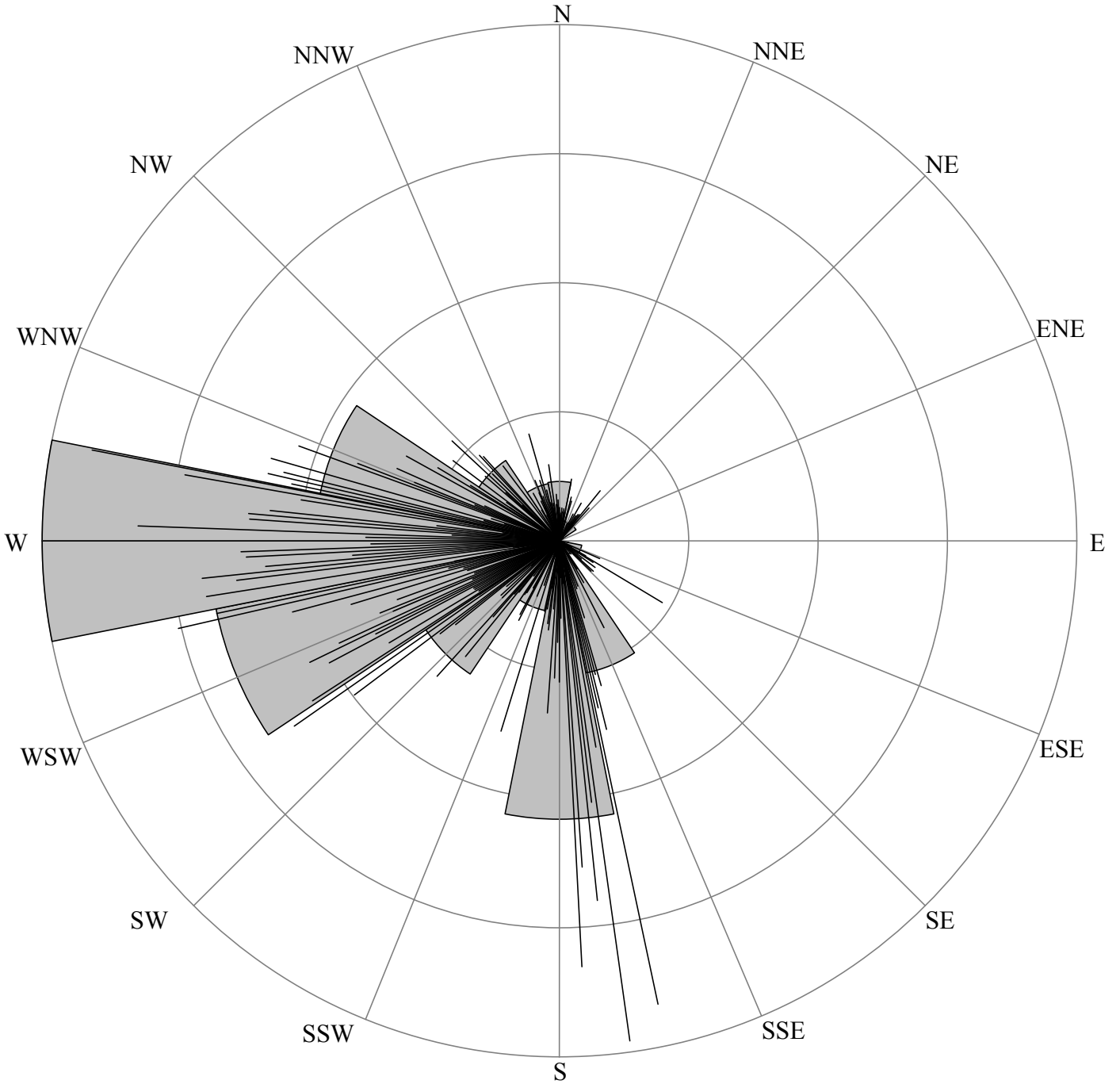
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA

April 2021: Westford



Wind Rose: April 2021
Westford



Maximum direction of wind: 40.9 miles from 270°
Maximum sector of wind: 474.0 miles from W
1880.3 total miles of wind