

Illinois Climate Network (ICN)  
December 2003  
Monthly Summary for Belleville

| DAY | MAX WIND SPEED MPH | AVG WIND SPEED MPH | DIR WIND ø | TOTAL SOLAR RAD MJ/M*M | MAX AIR TEMP øF | MIN AIR TEMP øF | AVG AIR TEMP øF | MAX REL HUM % | MIN REL HUM % | AVG DEW POINT øF | TOTAL PRECIP IN | TOTAL EVAP IN | MAX SOIL TEMP øF | MIN SOIL TEMP øF | AVG SOIL TEMP øF | MAX SOIL TEMP øF | MIN SOIL TEMP øF | AVG SOIL TEMP øF |
|-----|--------------------|--------------------|------------|------------------------|-----------------|-----------------|-----------------|---------------|---------------|------------------|-----------------|---------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1   | 27.9               | 10.0               | 332.0      | 11.93                  | 47.6            | 30.4            | 40.5            | 69.7          | 21.8          | 20.7             | 0.01            | 0.08          | 45.1             | 42.4             | 43.7             | 45.3             | 44.0             | 44.6             |
| 2   | 12.3               | 3.8                | 106.5      | 6.22                   | 43.9            | 35.2            | 39.0            | 81.4          | 36.6          | 23.4             | 0.00            | 0.04          | 44.1             | 42.3             | 43.0             | 45.2             | 43.9             | 44.4             |
| 3   | 16.0               | 6.5                | 101.7      | 1.47                   | 41.3            | 36.0            | 38.1            | 94.6          | 53.5          | 29.3             | 0.15            | 0.01          | 42.8             | 41.7             | 42.1             | 44.8             | 43.8             | 44.1             |
| 4   | 14.8               | 6.5                | 312.0      | 0.94                   | 42.8            | 38.5            | 40.6            | 95.3          | 92.1          | 39.2             | 0.05            | 0.01          | 44.4             | 42.6             | 43.7             | 45.0             | 44.0             | 44.6             |
| 5   | 27.4               | 14.1               | 319.2      | 1.00                   | 39.0            | 33.4            | 36.3            | 93.7          | 80.6          | 33.6             | 0.12            | 0.01          | 43.9             | 42.1             | 42.8             | 44.9             | 43.3             | 44.1             |
| 6   | 13.4               | 6.5                | 326.7      | 10.84                  | 43.4            | 26.6            | 33.4            | 93.8          | 59.7          | 29.3             | 0.00            | 0.06          | 43.5             | 40.1             | 41.7             | 43.5             | 41.9             | 42.8             |
| 7   | 17.7               | 7.0                | 157.8      | 9.10                   | 48.7            | 26.9            | 37.4            | 94.5          | 51.7          | 31.1             | 0.01            | 0.05          | 42.8             | 39.8             | 41.4             | 43.4             | 41.7             | 42.4             |
| 8   | 21.8               | 8.0                | 170.4      | 2.93                   | 45.8            | 36.8            | 42.3            | 95.2          | 75.9          | 38.5             | 0.00            | 0.02          | 43.7             | 40.9             | 42.1             | 44.0             | 42.4             | 43.0             |
| 9   | 25.4               | 9.7                | 155.0      | 3.38                   | 59.1            | 45.1            | 53.6            | 95.3          | 83.3          | 51.1             | 0.07            | 0.02          | 49.0             | 43.7             | 46.4             | 47.8             | 44.0             | 45.7             |
| 10  | 36.7               | 16.7               | 283.7      | 1.34                   | 57.1            | 28.1            | 39.9            | 93.7          | 80.0          | 36.9             | 0.07            | 0.01          | 49.4             | 42.8             | 47.1             | 48.4             | 44.9             | 47.5             |
| 11  | 22.9               | 8.4                | 313.4      | 10.97                  | 31.3            | 19.8            | 24.8            | 87.6          | 60.3          | 18.3             | 0.00            | 0.05          | 42.8             | 38.8             | 40.5             | 44.9             | 41.3             | 42.6             |
| 12  | 12.3               | 4.2                | 54.3       | 11.06                  | 31.9            | 16.9            | 24.6            | 87.2          | 48.5          | 16.2             | 0.00            | 0.05          | 38.8             | 37.1             | 37.8             | 41.3             | 39.6             | 40.1             |
| 13  | 13.2               | 5.4                | 73.6       | 1.21                   | 29.7            | 27.4            | 28.4            | 93.4          | 68.1          | 23.5             | 0.14            | 0.01          | 37.2             | 36.7             | 36.9             | 39.7             | 39.1             | 39.2             |
| 14  | 17.6               | 7.0                | 277.8      | 3.72                   | 30.2            | 23.2            | 28.0            | 93.6          | 84.7          | 25.3             | 0.01            | 0.02          | 37.8             | 37.2             | 37.6             | 39.6             | 39.2             | 39.4             |
| 15  | 38.8               | 16.9               | 170.2      | 8.68                   | 51.1            | 27.5            | 40.6            | 92.0          | 61.6          | 34.7             | 0.01            | 0.06          | 40.7             | 37.3             | 38.7             | 41.3             | 39.5             | 40.1             |
| 16  | 31.0               | 16.6               | 280.0      | 2.14                   | 47.6            | 27.6            | 36.9            | 89.6          | 60.0          | 29.7             | 0.00            | 0.01          | 41.5             | 38.2             | 40.5             | 41.8             | 40.3             | 41.4             |
| 17  | 17.6               | 5.6                | 257.2      | 9.86                   | 41.3            | 21.0            | 32.5            | 89.6          | 51.3          | 24.6             | 0.00            | 0.05          | 39.0             | 36.6             | 37.9             | 40.3             | 38.6             | 39.4             |
| 18  | 35.4               | 14.9               | 305.6      | 2.37                   | 39.5            | 33.5            | 37.0            | 93.3          | 67.5          | 32.7             | 0.05            | 0.01          | 39.8             | 38.7             | 39.4             | 40.5             | 39.7             | 40.1             |
| 19  | 32.4               | 15.4               | 311.1      | 6.62                   | 36.5            | 24.8            | 32.5            | 82.1          | 51.2          | 23.5             | 0.06            | 0.04          | 38.7             | 36.8             | 37.8             | 40.1             | 38.6             | 39.2             |
| 20  | 17.2               | 6.2                | 180.8      | 10.80                  | 37.2            | 16.2            | 28.2            | 83.8          | 33.9          | 15.3             | 0.00            | 0.05          | 36.8             | 35.4             | 36.0             | 38.6             | 37.4             | 37.8             |
| 21  | 31.4               | 13.3               | 187.3      | 10.45                  | 56.6            | 31.0            | 43.3            | 70.9          | 39.5          | 29.7             | 0.00            | 0.07          | 39.6             | 35.3             | 37.2             | 39.7             | 37.2             | 38.1             |
| 22  | 23.1               | 7.7                | 192.7      | 1.16                   | 55.0            | 41.8            | 51.4            | 94.1          | 56.2          | 45.0             | 0.63            | 0.01          | 44.2             | 39.2             | 41.7             | 43.2             | 39.7             | 41.2             |
| 23  | 26.3               | 13.4               | 329.8      | 2.21                   | 41.9            | 32.5            | 36.3            | 93.9          | 64.0          | 31.5             | 0.38            | 0.01          | 44.1             | 39.8             | 42.1             | 43.4             | 41.0             | 42.4             |
| 24  | 18.8               | 8.4                | 310.7      | 7.91                   | 33.8            | 22.8            | 28.8            | 88.8          | 56.9          | 21.9             | 0.00            | 0.04          | 39.9             | 37.1             | 38.5             | 41.0             | 39.0             | 39.7             |
| 25  | 12.9               | 4.1                | 182.6      | 11.58                  | 41.9            | 20.5            | 30.7            | 90.8          | 37.2          | 21.9             | 0.00            | 0.06          | 37.4             | 35.6             | 36.5             | 39.1             | 37.6             | 38.1             |
| 26  | 16.6               | 6.2                | 150.3      | 10.13                  | 48.6            | 25.2            | 36.7            | 91.5          | 42.7          | 26.8             | 0.00            | 0.06          | 38.4             | 35.4             | 36.7             | 38.8             | 37.2             | 37.9             |
| 27  | 25.6               | 10.0               | 157.9      | 10.07                  | 57.4            | 27.5            | 45.1            | 90.9          | 37.7          | 31.5             | 0.00            | 0.07          | 41.3             | 36.2             | 38.7             | 40.9             | 37.8             | 39.0             |
| 28  | 28.5               | 8.9                | 179.8      | 1.80                   | 55.0            | 44.1            | 50.4            | 94.8          | 37.6          | 43.0             | 0.74            | 0.01          | 44.7             | 41.3             | 43.0             | 44.0             | 40.9             | 42.3             |
| 29  | 29.2               | 6.9                | 273.4      | 6.20                   | 46.0            | 31.9            | 40.8            | 95.2          | 51.7          | 35.4             | 0.26            | 0.04          | 44.6             | 41.2             | 43.7             | 44.1             | 42.8             | 43.9             |
| 30  | 27.4               | 10.0               | 184.4      | 11.28                  | 51.5            | 26.4            | 38.8            | 91.6          | 35.6          | 28.8             | 0.01            | 0.07          | 41.5             | 38.3             | 40.1             | 42.8             | 40.1             | 41.2             |
| 31  | 13.5               | 5.3                | 179.2E     | 10.80                  | 56.1            | 33.0            | 41.5            | 92.7          | 38.9          | 31.3             | 0.01            | 0.07          | 42.6             | 38.2             | 40.3             | 42.1             | 39.8             | 41.0             |
| TOT |                    |                    |            | 200.17                 |                 |                 |                 |               |               |                  | 2.78            | 1.17          |                  |                  |                  |                  |                  |                  |
| AVG |                    | 9.1                | 250.4      | 6.46                   | 44.8            | 29.4            | 37.4            | 90.1          | 55.5          | 29.8             |                 | 0.04          | 41.9             | 39.0             | 40.5             | 42.6             | 40.7             | 41.5             |
| MAX | 38.8               |                    |            |                        | 59.1            |                 |                 | 95.3          |               |                  |                 |               | 49.4             |                  |                  | 48.4             |                  |                  |
| MIN |                    |                    |            |                        |                 | 16.2            |                 |               | 21.8          |                  |                 |               |                  | 35.3             |                  |                  | 37.2             |                  |

Total Heating Degree Days : 864.8

Total Cooling Degree Days : 0.0

Total Hours of Wind > 8 mph : 375