

Brookhaven National Laboratory Meteorological Summary
 Monthly Summary for January 2015
 Run date: Wed, Jul 29, 2015

| Day | Precip(in) | MinT(F) | MaxT(F) | MxMnAvT(F) | MeanT(F) | HeatDD | CoolDD | Rad(W/m^2) | MaxWind85(mph) |
|-----|------------|---------|---------|------------|----------|--------|--------|------------|----------------|
| 1 | 0.00 | 17.8 | 38.5 | 28.1 | 30.4 | 36.9 | 0.0 | 108.5 | 15.5 |
| 2 | 0.00 | 24.3 | 42.1 | 33.2 | 34.2 | 31.8 | 0.0 | 91.4 | 16.0 |
| 3 | 0.69 | 21.2 | 46.6 | 33.9 | 34.0 | 31.1 | 0.0 | 38.9 | 12.5 |
| 4 | 0.48 | 41.4 | 53.8 | 47.6 | 48.9 | 17.4 | 0.0 | 15.2 | 18.1 |
| 5 | 0.00 | 18.5 | 50.4 | 34.4 | 34.3 | 30.6 | 0.0 | 98.8 | 20.3 |
| 6 | 0.02 | 12.6 | 19.8 | 16.2 | 17.8 | 48.8 | 0.0 | 38.4 | 13.1 |
| 7 | 0.00 | 7.9 | 23.4 | 15.6 | 16.9 | 49.4 | 0.0 | 59.7 | 21.8 |
| 8 | 0.00 | 5.7 | 19.6 | 12.6 | 12.6 | 52.4 | 0.0 | 114.7 | 14.3 |
| 9 | 0.07 | 14.4 | 34.0 | 24.2 | 26.1 | 40.8 | 0.0 | 41.1 | 22.0 |
| 10 | 0.00 | 11.1 | 22.3 | 16.7 | 17.2 | 48.3 | 0.0 | 119.3 | 12.8 |
| 11 | 0.00 | 10.0 | 35.8 | 22.9 | 25.3 | 42.1 | 0.0 | 83.6 | 12.2 |
| 12 | 0.75 | 30.9 | 37.4 | 34.2 | 35.1 | 30.8 | 0.0 | 10.2 | 11.3 |
| 13 | 0.00 | 16.3 | 34.7 | 25.5 | 25.7 | 39.5 | 0.0 | 118.8 | 15.1 |
| 14 | 0.00 | 16.0 | 27.9 | 21.9 | 24.1 | 43.1 | 0.0 | 26.7 | 10.0 |
| 15 | 0.00 | 18.0 | 32.4 | 25.2 | 25.0 | 39.8 | 0.0 | 115.9 | 10.8 |
| 16 | 0.00 | 18.5 | 40.5 | 29.5 | 29.8 | 35.5 | 0.0 | 102.8 | 21.4 |
| 17 | 0.00 | 9.7 | 27.5 | 18.6 | 18.3 | 46.4 | 0.0 | 125.2 | 10.9 |
| 18 | 0.67 | 16.0 | 51.1 | 33.5 | 35.8 | 31.5 | 0.0 | 11.2 | 21.4 |
| 19 | 0.01 | 33.4 | 41.9 | 37.7 | 37.2 | 27.3 | 0.0 | 79.3 | 15.5 |
| 20 | 0.00 | 27.3 | 36.7 | 32.0 | 33.3 | 33.0 | 0.0 | 91.3 | 10.8 |
| 21 | 0.00 | 18.3 | 34.0 | 26.1 | 27.7 | 38.9 | 0.0 | 89.6 | 7.8 |
| 22 | 0.00 | 23.7 | 37.0 | 30.4 | 30.2 | 34.6 | 0.0 | 88.1 | 9.9 |
| 23 | 0.00 | 17.1 | 36.9 | 27.0 | 29.1 | 38.0 | 0.0 | 129.0 | 9.3 |
| 24 | 1.03 | 31.5 | 35.4 | 33.4 | 33.1 | 31.6 | 0.0 | 18.9 | 13.9 |
| 25 | 0.00 | 25.3 | 40.3 | 32.8 | 33.6 | 32.2 | 0.0 | 123.1 | 16.2 |
| 26 | 0.32 | 21.4 | 27.1 | 24.3 | 24.6 | 40.7 | 0.0 | 27.1 | 22.1 |
| 27 | 1.05 | 14.9 | 25.0 | 19.9 | 20.3 | 45.1 | 0.0 | 65.2 | 22.6 |
| 28 | 0.02 | 14.4 | 27.1 | 20.8 | 20.3 | 44.2 | 0.0 | 107.7 | 17.1 |
| 29 | 0.00 | 3.9 | 33.3 | 18.6 | 21.6 | 46.4 | 0.0 | 135.2 | 8.7 |
| 30 | 0.04 | 18.3 | 34.0 | 26.1 | 29.8 | 38.9 | 0.0 | 38.4 | 23.9 |
| 31 | 0.00 | 11.1 | 23.7 | 17.4 | 17.4 | 47.6 | 0.0 | 153.5 | 26.3 |

Mean daily minimum temp = 18.4 F, Extreme minimum temp = 3.9 F
 MeanDaily maximum temp = 34.5 F, Extreme maximum temp = 53.8 F

Monthly Mean Temp = 27.4 F

Monthly Maximum Wind Speed (85m) = 58.8 mph

Monthly Total Precipitation = 5.15 inches

Monthly Total Heating DDs (F) = 1194.7 F

Monthly Total Cooling DDs (F) = 0.0 F

Monthly Mean Insolation = 79.6 W/m^2

Definition: Heating degree day = 65 - MxMnAv degF. Cooling degree day = MxMnAv - 65 degF.
 If deg day < 0, set deg day to 0.0. 65 dgeF = 18.3 degC

Ref: 'The Urban Climate' by Helmut E. Landsberg

Ref: http://en.wiki/Heating_degree_day

Temperature min/max based on 1-min averages at 2m agl

Wind gust based on 1-min extreme data at 85m agl

Missing data = -999

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