

MONTHLY CLIMATE SUMMARY, January, 2005

NIU WEATHER SERVICE, DEKALB, IL

| Day | Record HI | Record LO | Average HI | Average LO | Obs. HI | Obs. LO | Obs. Avg. | CDD | HDD | Precip. (in) | Snowfall (in) |
|-----|-----------|-----------|------------|------------|---------|---------|-----------|-----|------|--------------|---------------|
| 1 | 57 | -14 | 26 | 10 | 50 | 23 | 36.5 | 0 | 28.5 | 0 | 0 |
| 2 | 56 | -16 | 26 | 10 | 48 | 23 | 35.5 | 0 | 29.5 | 0.39 | 0 |
| 3 | 58 | -17 | 25 | 9 | 43 | 31 | 37 | 0 | 28 | 0.06 | 0 |
| 4 | 55 | -22 | 25 | 9 | 31 | 28 | 29.5 | 0 | 35.5 | 0.20 | 0 |
| 5 | 56 | -24 | 25 | 8 | 32 | 22 | 27 | 0 | 38 | 0.13 | 1.7 |
| 6 | 49 | -19 | 24 | 8 | 26 | 21 | 23.5 | 0 | 41.5 | 0.32 | 6.7 |
| 7 | 49 | -20 | 24 | 8 | 22 | 3 | 12.5 | 0 | 52.5 | T | 0.3 |
| 8 | 56 | -19 | 23 | 8 | 24 | 15 | 19.5 | 0 | 45.5 | 0 | 0 |
| 9 | 53 | -14 | 24 | 8 | 26 | 21 | 23.5 | 0 | 41.5 | T | T |
| 10 | 56 | -25 | 25 | 9 | 33 | 26 | 29.5 | 0 | 35.5 | 0 | 0 |
| 11 | 55 | -22 | 26 | 11 | 33 | 29 | 31 | 0 | 34 | 0.09 | 0 |
| 12 | 56 | -19 | 26 | 11 | 36 | 32 | 34 | 0 | 31 | 0.14 | 0 |
| 13 | 55 | -17 | 26 | 11 | 51 | 32 | 41.5 | 0 | 23.5 | 0.54 | 0 |
| 14 | 57 | -18 | 27 | 11 | 32 | -1 | 15.5 | 0 | 49.5 | 0.13 | 1.0 |
| 15 | 54 | -21 | 26 | 10 | 7 | -2 | 2.5 | 0 | 62.5 | 0 | 0 |
| 16 | 53 | -21 | 26 | 10 | 9 | 0 | 4.5 | 0 | 60.5 | 0 | 0 |
| 17 | 56 | -18 | 27 | 10 | 11 | -2 | 4.5 | 0 | 60.5 | 0 | 0 |
| 18 | 54 | -25 | 27 | 11 | 7 | -3 | 2 | 0 | 63 | 0 | 0 |
| 19 | 57 | -22 | 28 | 12 | 35 | -2 | 16.5 | 0 | 48.5 | 0.04 | 0.8 |
| 20 | 49 | -27 | 29 | 13 | 35 | 22 | 28.5 | 0 | 36.5 | 0.01 | 0.2 |
| 21 | 59 | -22 | 30 | 14 | 26 | 21 | 23.5 | 0 | 41.5 | 0.01 | 0.2 |
| 22 | 55 | -27 | 31 | 15 | 22 | 14 | 18 | 0 | 47 | 0.43 | 6.0 |
| 23 | 57 | -22 | 31 | 14 | 19 | 1 | 10 | 0 | 55 | 0.03 | 0.6 |
| 24 | 63 | -22 | 30 | 13 | 22 | 1 | 11.5 | 0 | 53.5 | 0 | 0 |
| 25 | 62 | -25 | 29 | 13 | 32 | 22 | 27 | 0 | 38 | 0 | 0 |
| 26 | 59 | -23 | 29 | 13 | 40 | 19 | 29.5 | 0 | 35.5 | 0 | 0 |
| 27 | 60 | -16 | 29 | 13 | 31 | 7 | 19 | 0 | 46 | T | T |
| 28 | 56 | -22 | 29 | 13 | 23 | 7 | 15 | 0 | 50 | 0 | 0 |
| 29 | 55 | -17 | 30 | 14 | 26 | 7 | 16.5 | 0 | 48.5 | 0 | 0 |
| 30 | 50 | -22 | 30 | 14 | 33 | 23 | 28 | 0 | 37 | 0 | 0 |
| 31 | 52 | -16 | 30 | 14 | 37 | 26 | 31.5 | 0 | 33.5 | 0 | 0 |

*new record high

Temperature

1896-1995 AVG. HI: 27.1(F)
 1896-1995 AVG. LOW: 11.2(F)
 1896-1995 AVG. TEMP: 19.3(F)
 January 2004 AVG. HI: 29.1(F)
 January 2004 AVG. LO: 15.0(F)
 January 2004 AVG. TEMP: 22.1(F)

Precipitation

January TOTAL: 2.52 in
 January AVG: 1.43 in.
 SNOW: 17.5 in.
 AVG SNOW: 9.1 in
 YEAR TO DATE: 2.52 in.
 YEAR TO DATE AVG: 1.43 in

Degree Days

COOLING: 1/05: 0.0
 1/05-Now: 0.0
 HEATING: 1/05: 1331.0
 7/04-Now: 3778.5

Discussion

January began as December 2004 closed, with above average temperatures. This warm period was highlighted by a high of 50°F on January 1st, just 7° shy of the record for that date. Except for a six-day period in the middle of the month when arctic air invaded northern Illinois, the month experienced temperatures generally at or above the long-term average. Overall daily temperatures varied tremendously throughout January with warm periods followed by freezing periods creating a number of pothole problems in the region. Despite above average monthly snowfall, the monthly mean temperature was nearly 3.0°F above the long-term average, leading to less energy usage for heating.

Precipitation for the month was above average with the monthly total (2.52 inches) more than an inch above what is expected. This precipitation primarily came during three events, a snowfall from the 4th through the 6th, a significant rain/thunderstorm event occurring during from the 11th to the 14th, and a period of snowfall from the 19th through the 23rd. Total snowfall for the month (17.5 inches) was nearly twice the average with most of it occurring in two significant events. A trace or more of snow covered the ground from the 5th through the end of the month.

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Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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