

MONTHLY CLIMATE SUMMARY, DECEMBER, 2008

NIU WEATHER SERVICE, DEKALB, IL

| Day | Record HI | Record LO | Average HI | Average LO | Obs. HI | Obs. LO | Obs. Avg. | CDD | HDD | GDD | Precip. (in) | Snowfall (in) |
|-----|-----------|-----------|------------|------------|---------|---------|-----------|-----|------|-----|--------------|---------------|
| 1 | 63 | 4 | 37 | 25 | 35 | 24 | 29.5 | 0 | 35.5 | 0 | 0.4 | 4 |
| 2 | 64 | -5 | 38 | 23 | 26 | 18 | 22 | 0 | 43 | 0 | 0.02 | 0.2 |
| 3 | 66 | -14 | 38 | 23 | 32 | 18 | 25 | 0 | 40 | 0 | 0 | 0 |
| 4 | 60 | -4 | 37 | 22 | 37 | 4 | 20.5 | 0 | 44.5 | 0 | 0.20 | 2 |
| 5 | 64 | -4 | 38 | 24 | 18 | 0 | 9 | 0 | 56 | 0 | T | T |
| 6 | 65 | -7 | 37 | 22 | 29 | 0 | 14.5 | 0 | 50.5 | 0 | 0.04 | 2 |
| 7 | 66 | -9 | 35 | 21 | 29 | 0 | 14.5 | 0 | 50.5 | 0 | T | T |
| 8 | 63 | -8 | 34 | 22 | 17 | 1 | 9 | 0 | 56 | 0 | 0.00 | 0 |
| 9 | 59 | -18 | 34 | 19 | 36 | 17 | 26.5 | 0 | 38.5 | 0 | 0.85 | 0 |
| 10 | 56 | -18 | 33 | 18 | 36 | 10 | 23 | 0 | 42 | 0 | 0.41 | 4.1 |
| 11 | 60 | -15 | 32 | 17 | 22 | 13 | 17.5 | 0 | 47.5 | 0 | 0.00 | 0 |
| 12 | 55 | -10 | 34 | 18 | 29 | 8 | 18.5 | 0 | 46.5 | 0 | 0.00 | 0 |
| 13 | 60 | -19 | 33 | 19 | 30 | 9 | 19.5 | 0 | 45.5 | 0 | 0.00 | 0 |
| 14 | 58 | -12 | 35 | 21 | 39 | 31 | 35 | 0 | 30 | 0 | 0.48 | T |
| 15 | 59 | -14 | 37 | 22 | 46 | 1 | 23.5 | 0 | 41.5 | 0 | 0.18 | T |
| 16 | 58 | -17 | 35 | 20 | 9 | 2 | 5.5 | 0 | 59.5 | 0 | 0.00 | 0 |
| 17 | 57 | -13 | 31 | 17 | 17 | 4 | 10.5 | 0 | 54.5 | 0 | 0.21 | 4 |
| 18 | 56 | -12 | 30 | 15 | 14 | 3 | 8.5 | 0 | 56.5 | 0 | T | T |
| 19 | 55 | -17 | 30 | 18 | 28 | 3 | 15.5 | 0 | 49.5 | 0 | 0.86 | 2 |
| 20 | 57 | -19 | 32 | 16 | 28 | 17 | 22.5 | 0 | 42.5 | 0 | 0.20 | T |
| 21 | 57 | -18 | 31 | 16 | 27 | -8 | 9.5 | 0 | 55.5 | 0 | 0.09 | 1 |
| 22 | 55 | -12 | 31 | 15 | 6 | -8 | -1 | 0 | 66 | 0 | T | T |
| 23 | 58 | -17 | 32 | 18 | 16 | -6 | 5 | 0 | 60 | 0 | 0.04 | 0.5 |
| 24 | 55 | -22 | 32 | 17 | 32 | 5 | 18.5 | 0 | 46.5 | 0 | 0.27 | 5 |
| 25 | 60 | -13 | 28 | 13 | 32 | -4 | 14 | 0 | 51 | 0 | 0.16 | 3 |
| 26 | 56 | -22 | 27 | 13 | 31 | -7 | 12 | 0 | 53 | 0 | 0.06 | 0 |
| 27 | 55 | -20 | 30 | 15 | 42 | 23 | 32.5 | 0 | 32.5 | 0 | 0.38 | 0 |
| 28 | 64 | -24 | 32 | 16 | 51 | 21 | 36 | 0 | 29 | 0 | 0.99 | 0 |
| 29 | 63 | -12 | 32 | 16 | 29 | 21 | 25 | 0 | 40 | 0 | 0.00 | 0 |
| 30 | 59 | -13 | 30 | 14 | 40 | 25 | 32.5 | 0 | 32.5 | 0 | 0.00 | 0 |
| 31 | 57 | -14 | 30 | 16 | 37 | 8 | 22.5 | 0 | 42.5 | 0 | 0.01 | 0.2 |

Temperature

1971-2000 AVG. HI: 33.0°F
 1971-2000 AVG. LOW: 18.3°F
 1971-2000 AVG. TEMP: 25.9°F
 December 2008 AVG. HI: 29.03°F
 December 2008 AVG. LO: 8.16°F
 December 2008 AVG. TEMP: 18.59°F

Precipitation

December TOTAL: 5.85 in
 December AVG: 2.18 in.
 December SNOW: 28 in.
 December SNOW AVG: 9.5 in.
 YEAR TO DATE: 46.47 in.
 YEAR TO DATE AVG: 37.40 in.

Degree Days

COOLING: 12/08: 0
 1/08-Now: 1060
 HEATING: 12/08: 1438.5
 7/08-Now: 2829.5
 GROWING: 12/08: 0
 1/08-Now: 4204.5

Discussion

December 2008 experienced temperatures much colder than normal. The average December 2008 high was about 4°F cooler than the 1971-2000 average high, and the average low was almost 10°F cooler than the 30-year average. December 2008 was the 5th coolest December on record. There were eight days during the month when the temperature dropped below 0°F.

During the month, there were 5.85" of liquid-equivalent precipitation; that ranks 1st among all Decembers on record. The precipitation was distributed evenly throughout the entire month. There were 28" of snow in December of 2008; that ranks 3rd all time among all Decembers on record. There were four days throughout the month where there were 4"+ of snow accumulation, and it snowed an amazing 19 out of the 31 days of the month. Year-to-date precipitation has reached 46.67 inches; that is almost 10" greater than the climate normal.

Cooperative Observers: Ryan Oates, Kyle McAdams, Erik Janzon, Matias Sich

Weather Director: Kevin Nasiatka

NIU Weather Phone (updated once daily at approx. 7:30 am): (815) 753-1623

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December 2008 Daily Highs and Lows with 1971-2000 Average Highs and Lows

