

MONTHLY CLIMATE SUMMARY, SEPTEMBER 2013

NIU WEATHER SERVICE: DE KALB, ILL.

| Day | Record | Record | Average | Average | Obs. | Obs. | Obs. | GDD | CDD | HDD | Precip. (in) | Snowfall (in) |
|-----|--------|--------|---------|---------|------|------|------|------|-----|------|-----------------|------------------|
| | HI | LO | HI | LO | HI | LO | Avg. | | | | | |
| 1 | 100 | 39 | 80 | 59 | 79 | 62 | 70.5 | 20.5 | 5.5 | 0 | 0.32 | 0.0 |
| 2 | 101 | 35 | 80 | 58 | 82 | 61 | 71.5 | 21.5 | 6.5 | 0 | 0.1 | 0.0 |
| 3 | 99 | 40 | 80 | 58 | 74 | 52 | 63 | 13 | 0 | 2 | 0 | 0.0 |
| 4 | 100 | 41 | 80 | 57 | 75 | 53 | 64 | 14 | 0 | 1 | 0 | 0.0 |
| 5 | 99 | 40 | 78 | 57 | 81 | 52 | 66.5 | 16.5 | 1.5 | 0 | 0 | 0.0 |
| 6 | 100 | 36 | 79 | 57 | 74 | 59 | 66.5 | 16.5 | 1.5 | 0 | 0 | 0.0 |
| 7* | 101 | 37 | 80 | 58 | - | - | - | - | - | - | 0 | 0.0 |
| 8* | 99 | 27 | 80 | 56 | - | - | - | - | - | - | 0 | 0.0 |
| 9 | 96 | 39 | 78 | 56 | 79 | 68 | 73.5 | 23.5 | 8.5 | 0 | 0 | 0.0 |
| 10 | 96 | 36 | 78 | 56 | 90 | 68 | 79 | 29 | 14 | 0 | 0 | 0.0 |
| 11 | 94 | 30 | 79 | 55 | 94 | 72 | 83 | 33 | 18 | 0 | 0 | 0.0 |
| 12 | 96 | 32 | 79 | 55 | 85 | 61 | 73 | 23 | 8 | 0 | T | 0.0 |
| 13 | 98 | 33 | 78 | 55 | 77 | 47 | 62 | 12 | 0 | 3 | 0 | 0.0 |
| 14 | 100 | 29 | 77 | 54 | 66 | 44 | 55 | 5 | 0 | 10 | 0 | 0.0 |
| 15 | 101 | 33 | 75 | 52 | 69 | 45 | 57 | 7 | 0 | 8 | 0.08 | 0.0 |
| 16 | 92 | 30 | 74 | 52 | 58 | 49 | 53.5 | 3.5 | 0 | 11.5 | 0.65 | 0.0 |
| 17 | 94 | 33 | 73 | 51 | 65 | 47 | 56 | 6 | 0 | 9 | 0 | 0.0 |
| 18 | 97 | 30 | 75 | 53 | 70 | 48 | 59 | 9 | 0 | 6 | T | 0.0 |
| 19 | 93 | 32 | 76 | 53 | 75 | 59 | 67 | 17 | 2 | 0 | 0.21 | 0.0 |
| 20 | 93 | 28 | 74 | 52 | 89 | 65 | 77 | 27 | 12 | 0 | T | 0.0 |
| 21 | 94 | 32 | 71 | 49 | 71 | 50 | 60.5 | 10.5 | 0 | 4.5 | T | 0.0 |
| 22 | 92 | 29 | 72 | 49 | 65 | 44 | 54.5 | 4.5 | 0 | 10.5 | 0 | 0.0 |
| 23 | 91 | 30 | 71 | 48 | 67 | 45 | 56 | 6 | 0 | 9 | 0 | 0.0 |
| 24 | 91 | 30 | 71 | 48 | 69 | 47 | 58 | 8 | 0 | 7 | 0 | 0.0 |
| 25 | 93 | 25 | 69 | 48 | 71 | 48 | 59.5 | 9.5 | 0 | 5.5 | 0 | 0.0 |
| 26 | 93 | 26 | 70 | 48 | 72 | 51 | 61.5 | 11.5 | 0 | 3.5 | 0 | 0.0 |
| 27 | 89 | 27 | 72 | 48 | 78 | 52 | 65 | 15 | 0 | 0 | 0 | 0.0 |
| 28 | 91 | 23 | 70 | 48 | 80 | 53 | 66.5 | 16.5 | 1.5 | 0 | 0 | 0.0 |
| 29 | 96 | 28 | 69 | 47 | 82 | 49 | 65.5 | 15.5 | 0.5 | 0 | 0.14 | 0.0 |
| 30 | 93 | 22 | 71 | 47 | 68 | 45 | 56.5 | 6.5 | 0 | 8.5 | 0 | 0.0 |

*Temperature data for these dates are missing

Temperature

1981-2010 AVG. HI: 75.3(F)
 1981-2010 AVG. LOW: 52.8(F)
 1981-2010 AVG. TEMP.: 64.1(F)
 Sept. 2013 AVG. HI: 75.2**(F)
 Sept. 2013 AVG. LO: 53.4**(F)
 Sept. 2013 AVG. TEMP.: 64.3**(F)

Precipitation

Sept. 2013 TOTAL: 1.50 in.
 Sept. AVG.: 3.16 in.
 Sept. 2013 SNOW: 0
 Sept. SNOW AVG: 0
 2013 liquid-eq. YEAR TO DATE: 33.84in.
 liquid-eq. YEAR TO DATE AVG.: 29.08 in.
 2013-14 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 9/13: 79.5**
 1/13-Now: 719.5
 HEATING: 9/13: 99**
 7/13-Now: 119
 GROWING: 9/13: 400.5**
 1/13-Now: 2667.5

**Numbers based on available data

Discussion

September's mean temperature of 64.3°F was very close to the historical normal of 64.1°F. September featured 12 days with above normal highs (2 of which were 90°F or above) and 14 with above normal lows. Most of September included high temperatures that were in 70's, with the highest temperature recorded on September 11th at 94°F. The lowest temperatures for September were recorded on the 14th and 22th at 44°F. Liquid Equivalent precipitation total for the month of September was 1.50in, which is 47% of the average 3.16 in. This brings the year to date precipitation to 33.84, which is still 4.76" above the yearly mean.

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This summary was prepared by Richard Medicott, 1 October 2013. Forecast information (updated once daily at approx. 7:30 am): (847) 848-4082.

Climate Website: <http://climate.niu.edu>

The Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations.

September 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Richard Medicott, NIU Weather Director

