

**MONTHLY CLIMATE SUMMARY, AUGUST, 2007**  
**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	98	42	83	61	88	68	78	13	0	28	0	0.0
2	98	44	82	62	88	69	78.5	13.5	0	28.5	0	0.0
3	100	42	83	62	89	64	76.5	11.5	0	26.5	0	0.0
4	99	44	84	62	87	65	76	11	0	26	0	0.0
5	100	43	82	60	77	66	71.5	6.5	0	21.5	0.45	0.0
6	102	44	81	61	87	67	77	12	0	27	0.11	0.0
7	100	46	81	61	88	70	79	14	0	29	1.51	0.0
8	103	43	83	62	90	71	80.5	15.5	0	30.5	0.2	0.0
9	102	44	83	61	86	69	77.5	12.5	0	27.5	0.27	0.0
10	98	47	82	61	84	68	76	11	0	26	T	0.0
11	97	45	82	60	86	68	77	12	0	27	0	0.0
12	104	45	81	59	86	65	75.5	10.5	0	25.5	0.14	0.0
13	98	47	82	62	86	66	76	11	0	26	0	0.0
14	99	43	82	61	82	64	73	8	0	23	0.57	0.0
15	97	44	82	61	84	64	74	9	0	24	0.07	0.0
16	99	42	82	60	79	67	73	8	0	23	0.04	0.0
17	103	44	83	61	75	61	68	3	0	18	0	0.0
18	102	43	83	60	76	60	68	3	0	18	0	0.0
19	100	45	82	61	66	57	61.5	0	3.5	11.5	0.38	0.0
20	100	40	82	61	69	62	65.5	0.5	0	15.5	1.71	0.0
21	100	42	82	59	77	68	72.5	7.5	0	22.5	0.05	0.0
22	99	41	82	61	85	68	76.5	11.5	0	26.5	0.08	0.0
23	99	43	81	60	89	68	78.5	13.5	0	28.5	1.51	0.0
24	100	40	81	60	87	68	77.5	12.5	0	27.5	4.85	0.0
25	95	41	81	59	79	66	72.5	7.5	0	22.5	0.08	0.0
26	97	42	82	62	78	58	68	3	0	18	0	0.0
27	97	40	83	63	79	58	68.5	3.5	0	18.5	0	0.0
28	99	39	83	62	79	61	70	5	0	20	0	0.0
29	96	38	81	60	91	66	78.5	13.5	0	28.5	0	0.0
30	98	36	81	60	82	60	71	6	0	21	0	0.0
31	100	35	81	60	75	55	65	0	0	15	0	0.0

**Temperature**

1971-2000 AVG. HI: 82.0(F)  
 1971-2000 AVG. LOW: 60.7(F)  
 1971-2000 AVG. TEMP: 71.4(F)  
 August 2007 AVG. HI: 82.4(F)  
 August 2007 AVG. LO: 64.7(F)  
 August 2007 AVG. TEMP: 73.6(F)

**Precipitation**

August TOTAL: 12.02 in  
 August AVG: 4.45 in.  
 SNOW: 0.0 in.  
 YEAR TO DATE: 36.27 in  
 YEAR TO DATE AVG: 26.33 in

**Degree Days**

COOLING: 8/07: 269  
 1/07-Now: 764.5  
 HEATING: 8/07: 3.5  
 7/07-Now: 3.5  
 GROWING: 8/07: 695.5  
 1/07-Now: 2577

**Discussion**

The August 2007 average high temperature of 82.4° was close to the normal for the month as it was only 0.4°F above the 1971-2000 average high. The ninety degree mark was only breached twice, on the 8<sup>th</sup> and again on the 29<sup>th</sup>. The August 2007 average low was exactly 4°F warmer than the 1971-2000 average, tying for the 3<sup>rd</sup> warmest average low temperature on record. The August 2007 average temperature was 2.2°F warmer than the 1971-2000 average, placing 6<sup>th</sup> for the warmest average temperature on record.

With 12.02" of rainfall, August 2007 was the 2<sup>nd</sup> wettest August behind only the 14.23" that fell in August 1987. An extraordinary 4.85" of rain fell on August 24<sup>th</sup> – the 4<sup>th</sup> most rainfall for any single day of the year on record and the 2<sup>nd</sup> most for a day in August. The rainfall on the 25<sup>th</sup> occurred after almost three weeks of continuous daily rain, causing extreme flooding throughout the area which forced many residents to be evacuated. The Kishwaukee River rose to 15.24 feet, the second highest level the river has ever been recorded at. Most of the bridges in DeKalb were covered in flood waters, blocking most paths in and out of town DeKalb during NIU's move-in weekend. NIU was closed on the 24<sup>th</sup> due to flooding in many areas of the campus.

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

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

August 2007 Daily Highs and Lows with 1971-2000 Average Highs and Lows

