

## **MONTHLY CLIMATE SUMMARY, AUGUST 2017**

### **NIU WEATHER SERVICE: DE KALB, 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	84	62	82	63	72.5	8	0	23	0	0
2	98	44	86	63	83	64	73.5	9	0	24	0	0
3	100	42	85	64	84	64	74	9	0	24	0	0
4	99	44	85	64	83	52	67.5	3	0	18	0.05	0
5	100	43	83	62	77	53	65	0	0	15	0	0
6	102	44	82	62	79	55	67	2	0	17	0	0
7	100	46	82	62	78	56	67	2	0	17	0	0
8	103	43	82	62	77	55	66	1	0	16	0	0
9	102	44	84	62	81	58	69.5	5	0	20	0	0
10	98	47	83	62	80	58	69	4	0	19	0	0
11	97	45	81	61	83	62	72.5	8	0	23	0	0
12	104	45	81	60	73	55	64	0	1	14	0	0
13	98	47	81	61	76	53	64.5	0	0	15	0	0
14	99	43	81	61	75	55	65	0	0	15	0	0
15	97	44	81	61	80	61	70.5	6	0	21	0	0
16	99	42	83	61	83	64	73.5	9	0	24	0	0
17	103	44	83	62	86	65	75.5	11	0	26	1.49	0
18	102	43	82	61	80	63	71.5	7	0	22	0	0
19	100	45	80	60	79	58	68.5	4	0	19	0	0
20	100	40	80	60	84	59	71.5	7	0	22	0	0
21	100	42	81	59	82	65	73.5	9	0	24	0.01	0
22	99	41	81	61	80	67	73.5	9	0	24	0.04	0
23	100	43	81	60	76	54	65	0	0	15	0	0
24	100	40	81	60	74	55	64.5	0	0	15	0	0
25	95	41	80	61	74	49	61.5	0	3	12	0	0
26	97	42	81	62	72	50	61	0	4	11	0	0
27	97	40	81	63	75	58	66.5	2	0	17	0	0
28	99	39	81	61	72	58	65	0	0	15	0.21	0
29	96	38	80	60	77	57	67	2	0	17	0.09	0
30	98	36	80	59	75	56	65.5	1	0	16	0	0
31	100	35	79	58	79	57	68	3	0	18	0	0

#### Temperature

1981-2010 AVG. HI: 81.6 (F)  
 1981-2010 AVG. LOW: 61.1 (F)  
 1981-2010 AVG. TEMP.: 71.4 (F)  
 August 2017 AVG. HI: 78.7 (F)  
 August 2017 AVG. LO: 58.0 (F)  
 August 2017 AVG. TEMP.: 68.2 (F)

#### Precipitation

August 2017 TOTAL: 1.89 in.  
 August AVG.: 4.36 in.  
 August 2017 SNOW: 0  
 August SNOW AVG: 0  
 2017 liquid-eq. YEAR TO DATE: 30.51 in.  
 liquid-eq. YEAR TO DATE AVG.: 25.92 in.  
 2017-18 Seasonal SNOW TO DATE: 0  
 Seasonal SNOW TO DATE AVG.: 0

#### Degree Days

COOLING: 8/17: 121  
 1/17-Now: 532  
 HEATING: 8/17: 8  
 7/17-Now: 11  
 GROWING: 8/17: 578  
 1/17-Now: 2311.5

#### Discussion

August had a mean temperature of 68.2 degrees, which was 3.2 degrees below the historical average of 71.4 degrees. The average high temperature of 78.7 degrees which was 2.9 degrees below the historical average of 81.6 degrees. The average low temperature of 58.0 was only 3.1 degrees below the historical average. The highest temperature was recorded on August 17<sup>th</sup> at 86 degrees. August had its lowest observed high temperature recorded on August 26<sup>th</sup> and 28<sup>th</sup> at 72 degrees. There were no daily temperature records broken in August.

The August precipitation total for 2017 was 1.89 in., which is 2.47 in. lower than the average precipitation for the month. Precipitation was scattered throughout August with the majority falling on August 17<sup>th</sup> with a total of 1.49 in. August 17<sup>th</sup> accounted for nearly 78% of the total precipitation for the month. The year to date liquid equivalent total now stands at 30.51 in., which is 4.59 inches above the average.

---

Becca Arnold, Ryne James, Yesenia Nevarez, Alec Van Maldegiam- Cooperative Observers

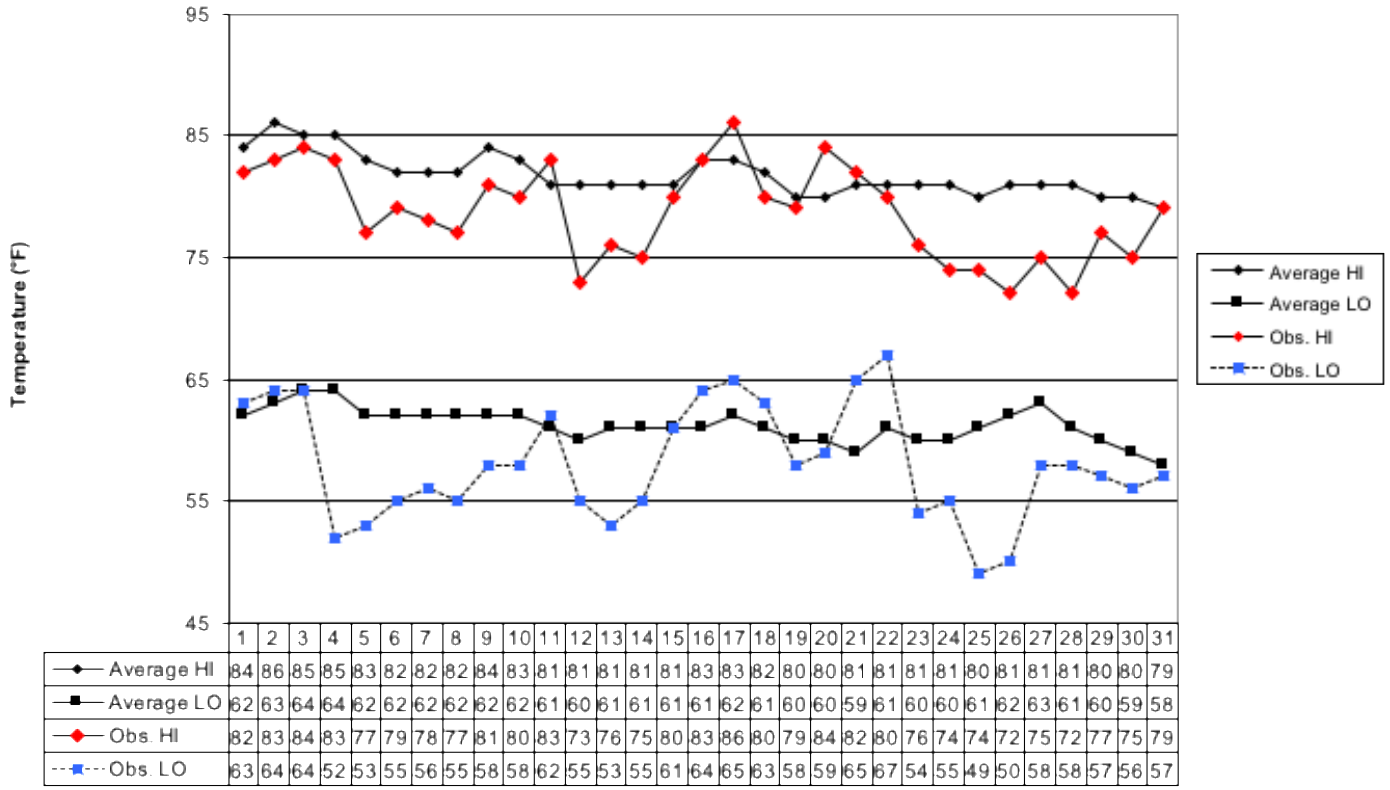
John Anderson—Weather Director

This summary was prepared by John Anderson, 5 September 2017. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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.**

**August 2017 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by John Anderson, NIU Weather Director



Day