

# **MONTHLY CLIMATE SUMMARY, AUGUST 2018**

## **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	78	60	69	4	0	19	0	0
2	98	44	86	63	83	60	71.5	7	0	22	0.02	0
3	100	42	85	64	82	57	69.5	5	0	20	0	0
4	99	44	85	64	85	59	72	7	0	22	0	0
5	100	43	83	62	91	69	80	15	0	30	0	0
6	102	44	82	62	89	68	78.5	14	0	29	0.02	0
7	100	46	82	62	80	67	73.5	9	0	24	0.06	0
8	103	43	82	62	79	65	72	7	0	22	0.82	0
9	102	44	84	62	81	65	73	8	0	23	0	0
10	98	47	83	62	88	66	77	12	0	27	0.21	0
11	97	45	81	61	84	63	73.5	9	0	24	0	0
12	104	45	81	60	85	63	74	9	0	24	0	0
13	98	47	81	61	85	63	74	9	0	24	0	0
14	99	43	81	61	86	64	75	10	0	25	0	0
15	97	44	81	61	84	66	75	10	0	25	T	0
16	99	42	83	61	82	69	75.5	11	0	26	T	0
17	103	44	83	62	84	65	74.5	10	0	25	0.24	0
18	102	43	82	61	82	65	73.5	9	0	24	0.01	0
19	100	45	80	60	81	64	72.5	8	0	23	0	0
20	100	40	80	60	84	65	74.5	10	0	25	0	0
21	100	42	81	59	78	67	72.5	8	0	23	0.13	0
22	99	41	81	61	77	54	65.5	1	0	16	0.14	0
23	100	43	81	60	77	54	65.5	1	0	16	0	0
24	100	40	81	60	79	55	67	2	0	17	0	0
25	95	41	80	61	67	60	63.5	0	1	14	0.18	0
26	97	42	81	62	85	67	76	11	0	26	T	0
27	97	40	81	63	90	67	78.5	14	0	29	0	0
28	99	39	81	61	90	75	82.5	18	0	33	0	0
29	96	38	80	60	87	65	76	11	0	26	2.05	0
30	98	36	80	59	72	57	64.5	0	0	15	T	0
31	100	35	79	58	75	57	66	1	0	16	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 2018 AVG. HI: 82.3 (F)  
 August 2018 AVG. LO: 63.3 (F)  
 August 2018 AVG. TEMP.: 72.8 (F)

### Precipitation

August 2018 TOTAL: 3.88 in.  
 August AVG.: 4.36 in.  
 August 2018 SNOW: 0  
 August SNOW AVG: 0  
 2018 liquid-eq. YEAR TO DATE: 28.47 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: 8/18: 250  
 1/18-Now: 780  
 HEATING: 8/18: 1  
 7/18-Now: 1  
 GROWING: 8/18: 714  
 1/18-Now: 2584

### Discussion

August had a mean temperature of 72.8 degrees, which was 1.4 degrees above the historical average of 71.4 degrees. The average high temperature of 82.3 degrees was 0.7 degrees above the historical average high temperature of 81.6 degrees. The average low temperature was 63.3 degrees, which is 2.2 degrees higher than the historical average low temperature of 61.1 degrees. The highest temperature was recorded on August 5<sup>th</sup> at 91 degrees. August of 2018 had 15 days with above average high temperatures and had 10 days with lower than average low temperatures. While no new records were broken this month, the average low for August of 2018 is now the 8<sup>th</sup> highest average low temperature in the past 53 years. Looking at the overall summer, the Summer of 2018 has tied with 1973 for having the 7<sup>th</sup> highest average low temperature in the past 53 years with an average low of 62.8 degrees spanning from June to August.

The August precipitation total for 2018 was 3.88 in., which is 0.48 in. lower than the average precipitation for the month. This month saw most of the precipitation occurring in the second half, with 71% of the precipitation falling after August 15<sup>th</sup>. The year to date liquid equivalent is now 28.47 in., which is 2.55 inches more than average. Looking at the previous 3 months of June through August, this past Summer had a total of 14.84 inches of rain – making it the 17<sup>th</sup> wettest summer since 1966.

The number of cooling degree days for August of 2018 was 250, making 780 cooling degree days our new total (since January). For growing degree days, we had 714 occur in the month of August. This makes the total since January, 2,584 growing degree days.

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This summary was prepared by Nicholas Rodeo, 13 September 2018. 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 2018 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
**Prepared by Nicholas Rodeo, NIU Weather Director**

