

MONTHLY CLIMATE SUMMARY, AUGUST 2019

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record		Average		Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	Average HI	LO								
1	98	42	84	62	77	56	66.5	1.5	0	16.5	0	0
2	98	44	86	63	81	58	69.5	4.5	0	19.5	0	0
3	100	42	85	64	84	59	71.5	6.5	0	21.5	0	0
4	99	44	85	64	86	63	74.5	9.5	0	24.5	0	0
5	100	43	83	62	86	66	76	11	0	26	0	0
6	102	44	82	62	90	64	77	12	0	27	0.52	0
7	100	46	82	62	82	64	73	8	0	23	0	0
8	103	43	82	62	85	65	75	10	0	25	0	0
9	102	44	84	62	83	58	70.5	5.5	0	20.5	0	0
10	98	47	83	62	80	58	69	4	0	19	0	0
11	97	45	81	61	83	64	73.5	8.5	0	23.5	0.08	0
12	104	45	81	60	78	63	70.5	5.5	0	20.5	0.5	0
13	98	47	81	61	78	67	72.5	7.5	0	22.5	0.21	0
14	99	43	81	61	84	64	74	9	0	24	0	0
15	97	44	81	61	80	58	69	4	0	19	0	0
16	99	42	83	61	78	59	68.5	3.5	0	18.5	0	0
17	103	44	83	62	83	63	73	8	0	23	0	0
18	102	43	82	61	78	66	72	7	0	22	0.26	0
19	100	45	80	60	81	66	73.5	8.5	0	23.5	0.05	0
20	100	40	80	60	86	67	76.5	11.5	0	26.5	0	0
21	100	42	81	59	74	65	69.5	4.5	0	19.5	0.52	0
22	99	41	81	61	81	60	70.5	5.5	0	20.5	0.18	0
23	100	43	81	60	79	57	68	3	0	18	0	0
24	100	40	81	60	75	56	65.5	0.5	0	15.5	0	0
25	95	41	80	61	75	57	66	1	0	16	0	0
26	97	42	81	62	76	58	67	2	0	17	0.75	0
27	97	40	81	63	75	62	68.5	3.5	0	18.5	0.65	0
28	99	39	81	61	79	55	67	2	0	17	0	0
29	96	38	80	60	75	54	64.5	0	0.5	14.5	0	0
30	98	36	80	59	83	56	69.5	4.5	0	19.5	0	0
31	100	35	79	58	70	57	63.5	0	1.5	13.5	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 2019 AVG. HI: 80.2 (F)
 August 2019 AVG. LO: 60.8 (F)
 August 2019 AVG. TEMP.: 70.5 (F)

Precipitation

August 2019 TOTAL: 3.72 in.
 August AVG.: 4.36 in.
 August 2019 SNOW: 0
 August SNOW AVG: 0
 2019 liquid-eq. YEAR TO DATE: 25.01 in.
 liquid-eq. YEAR TO DATE AVG.: 25.92 in.
 2019-20 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 8/19: 172
 1/19-Now: 661
 HEATING: 8/19: 2
 7/19-Now: 2
 GROWING: 8/19: 635
 1/19-Now: 2340

Discussion

August was a slightly cooler than average month temperature wise, with a mean temperature of 70.5 degrees, which was 0.9 degrees below the historical average. The average high temperature of 80.2 degrees was 1.4 degrees below the historical average high. The average low temperature was 60.8 degrees, which is 0.3 degrees lower than the historical average low temperature. The highest temperature was recorded on August 6th at only 90 degrees. August of 2019 had 23 days with at or below average high temperatures and had 18 days with lower than average low temperatures. No temperature records were broken this month, although summer of 2019 has been the 17th coolest summer since records began in 1966 despite a warm July.

The August precipitation total for 2019 was 3.72 in., which is 0.64 in. lower than the average precipitation for the month. This month saw most of the precipitation occurring in the second half, with 65% of the precipitation falling after August 15th. The year to date liquid equivalent is now 25.01 in., which is 0.91 inches below average

The number of cooling degree days for August of 2019 was 172, making the total 661 cooling degree days since January. For growing degree days, we had 635 occur in the month of August. This makes the total since January, 2,340 growing degree days. August featured our first 2 heating degree days of the season as well.

Billy Faletti, Matthew Gontarek, Victoria Lockhart, Kyle Pittman, Ben Warren,- Cooperative Observers

Luke Henderson, Nicholas Rodeo—Weather Co-Director

This summary was prepared by Luke Henderson, 9 September 2019. 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 2019 Daily Highs and Lows with 1981-2010 Average Highs and Lows Prepared by Luke Henderson, NIU Weather Director

