

MONTHLY CLIMATE SUMMARY, JULY 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	101	43	82	60	92	75	83.5	19	0	34	0.00	0
2	104	45	81	60	89	64	76.5	12	0	27	0.23	0
3	102	41	82	61	83	62	72.5	8	0	23	0.00	0
4	106	43	83	64	89	65	77	12	0	27	0.00	0
5	104	45	84	63	88	70	79	14	0	29	0.01	0
6	105	43	84	63	86	65	75.5	11	0	26	0.00	0
7	103	46	84	62	76	58	67	2	0	17	0.00	0
8	105	41	83	63	81	59	70	5	0	20	0.00	0
9	101	47	85	64	83	62	72.5	8	0	23	0.00	0
10	105	46	84	63	89	66	77.5	13	0	28	0.00	0
11	107	42	83	61	86	66	76	11	0	26	0.00	0
12	106	45	83	63	87	66	76.5	12	0	27	0.00	0
13	106	44	83	63	85	66	75.5	11	0	26	0.00	0
14	109	45	84	64	89	69	79	14	0	29	0.93	0
15	98	42	84	63	81	68	74.5	10	0	25	0.12	0
16	100	40	85	64	86	69	77.5	13	0	28	0.08	0
17	100	43	86	65	85	65	75	10	0	25	0.02	0
18	100	44	85	66	82	61	71.5	7	0	22	0.00	0
19	100	45	85	65	79	61	70	5	0	20	0.00	0
20	102	47	85	64	81	62	71.5	7	0	22	0.35	0
21	106	46	84	65	73	68	70.5	6	0	21	0.28	0
22	103	43	83	63	78	67	72.5	8	0	23	0.01	0
23	106	45	82	62	76	61	68.5	4	0	19	T	0
24	106	48	82	61	81	62	71.5	7	0	22	0.00	0
25	104	41	84	63	86	63	74.5	10	0	25	0.00	0
26	105	46	83	63	84	63	73.5	9	0	24	0.00	0
27	102	46	83	63	77	57	67	2	0	17	0.00	0
28	103	48	83	63	76	56	66	1	0	16	0.00	0
29	104	46	83	62	77	56	66.5	2	0	17	0.00	0
30	104	45	83	63	79	58	68.5	4	0	19	0.12	0
31	104	44	83	63	80	60	70	5	0	20	0.00	0

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 72.6(F)
 July 2018 AVG. HI: 82.7 (F)
 July 2018 AVG. LO: 63.6 (F)
 July 2018 AVG. TEMP.: 73.1(F)

Precipitation

July 2018 TOTAL: 2.15 in.
 July AVG.: 4.32 in.
 July 2018 SNOW: 0
 July SNOW AVG: 0
 2018 liquid-eq. YEAR TO DATE: 24.59 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2018-19 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/18: 267
 1/18-Now: 530
 HEATING: 7/18: 0
 7/18-Now: 0
 GROWING: 7/18: 727
 1/18-Now: 1870

Discussion

July of 2018 saw an average temperature of 73.1 °F, which is 0.5°F above the historical July average of 72.6°F. The average low of 63.6 °F was 0.7 °F degrees above the historical average low temperature, while the average high of 82.7 °F was 0.5°F above the historical average high temperature. This past July had 14 days at or above average high temperatures and 19 days with at or above average low temperatures. There were no record setting temperature days in July.

The total amount of precipitation for July 2018 was 2.15 inches, which is 2.17 inches below the historical average for July. This past July also saw the 14th smallest amount of precipitation since 1966. The year to date liquid equivalent is now 24.59 inches., and is 3.00 in. above the year to date average of 21.59 in. The majority of the rain fell in the first half of the month with 56% occurring in the first 15 days.

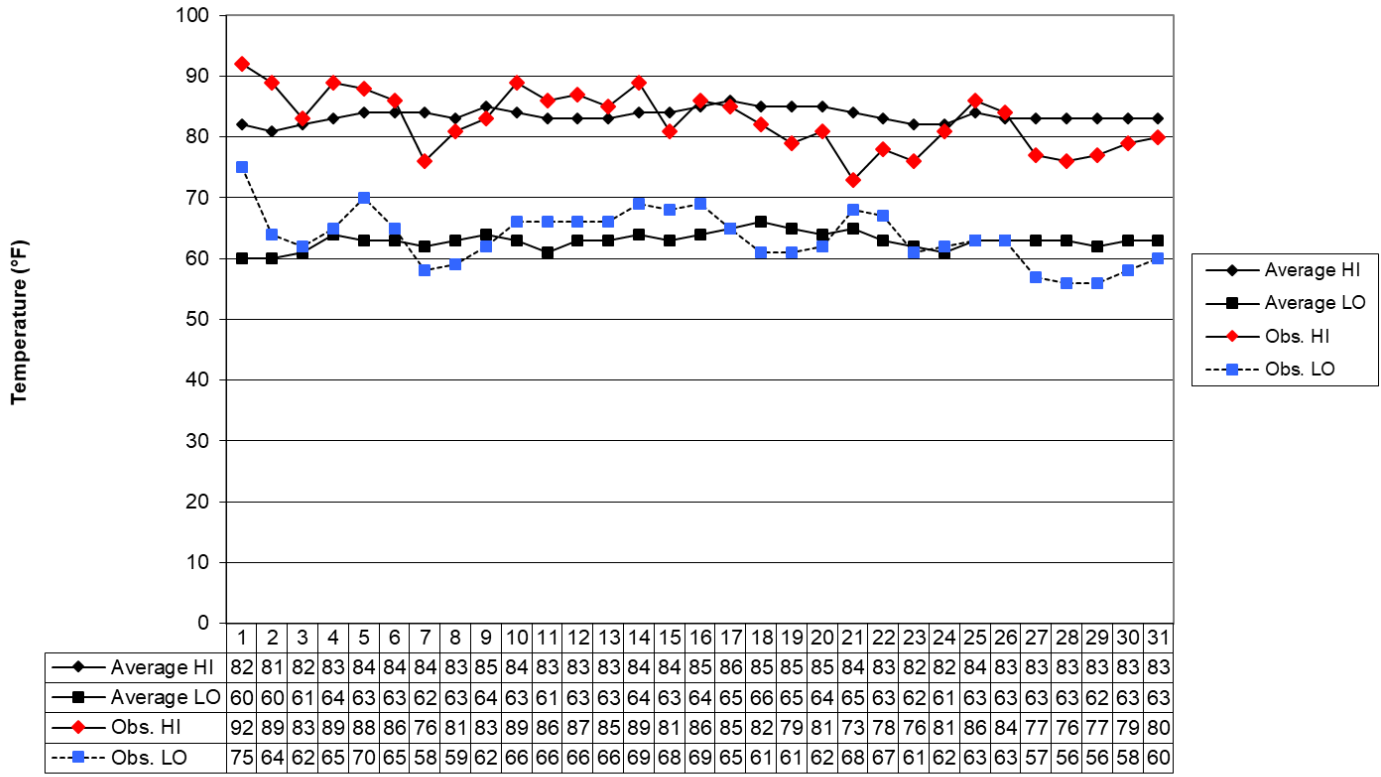
July 2018 had 267 cooling degree days, raising the total of cooling degree days (since January) to 530. With 727 growing degree days in July 2018, the total number of growing degree days since the start of the year is now 1870. We had 0 heating degree days, giving us a total of 0.

Hannah Alto, Brent Brock - Cooperative Observers
 Nicholas Rodeo—Weather Director

This summary was prepared by Nicholas Rodeo, 13 August 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.

July 2018 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Nicholas Rodeo, NIU Weather Director



Day