

MONTHLY CLIMATE SUMMARY, JULY 2019

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	90	68	79	14	0	29	0.02	0
2	104	45	81	60	87	70	78.5	13.5	0	28.5	0.1	0
3	102	41	82	61	92	70	81	16	0	31	0.13	0
4	106	43	83	64	87	70	78.5	13.5	0	28.5	0	0
5	104	45	84	63	90	71	80.5	15.5	0	30.5	0	0
6	105	43	84	63	89	71	80	15	0	30	0.03	0
7	103	46	84	62	84	65	74.5	9.5	0	24.5	0	0
8	105	41	83	63	81	60	70.5	5.5	0	20.5	0	0
9	101	47	85	64	82	61	71.5	6.5	0	21.5	0	0
10	105	46	84	63	88	67	77.5	12.5	0	27.5	0.06	0
11	107	42	83	61	92	67	79.5	14.5	0	29.5	0	0
12	106	45	83	63	83	60	71.5	6.5	0	21.5	0	0
13	106	44	83	63	87	62	74.5	9.5	0	24.5	0	0
14	109	45	84	64	92	69	80.5	15.5	0	30.5	0	0
15	98	42	84	63	91	70	80.5	15.5	0	30.5	0.13	0
16	100	40	85	64	89	69	79	14	0	29	T	0
17	100	43	86	65	84	70	77	12	0	27	0	0
18	100	44	85	66	92	72	82	17	0	32	T	0
19	100	45	85	65	87	70	78.5	13.5	0	28.5	1.22	0
20	102	47	85	64	92	77	84.5	19.5	0	34.5	0	0
21	106	46	84	65	95	69	82	17	0	32	0	0
22	103	43	83	63	78	64	71	6	0	21	0	0
23	106	45	82	62	78	58	68	3	0	18	0	0
24	106	48	82	61	79	59	69	4	0	19	0	0
25	104	41	84	63	81	60	70.5	5.5	0	20.5	0	0
26	105	46	83	63	83	61	72	7	0	22	0	0
27	102	46	83	63	84	65	74.5	9.5	0	24.5	0	0
28	103	48	83	63	88	69	78.5	13.5	0	28.5	0	0
29	104	46	83	62	88	71	79.5	14.5	0	29.5	0.04	0
30	104	45	83	63	83	64	73.5	8.5	0	23.5	0.14	0
31	104	44	83	63	78	58	68	3	0	18	0	0

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 72.6(F)
 July 2019 AVG. HI: 86.3 (F)
 July 2019 AVG. LO: 66.4 (F)
 July 2019 AVG. TEMP.: 76.1(F)

Precipitation

July 2019 TOTAL: 1.87 in.
 July AVG.: 4.32 in.
 July 2019 SNOW: 0
 July SNOW AVG: 0
 2019 liquid-eq. YEAR TO DATE: 23.29 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2019-20 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/19: 350.5
 1/19-Now: 489
 HEATING: 7/19: 0
 7/19-Now: 0
 GROWING: 7/19: 815.5
 1/19-Now: 1705

Discussion

July of 2019 was warm, with an average temperature of 76.1 °F, which is 3.5°F above the historical July average of 72.6°F, making it the 8th warmest July on record since 1996. The average low of 66.4 °F was 3.5°F degrees above the historical average low temperature, while the average high of 86.3 °F was 4.1°F above the historical average high temperature. This past July had 23 days at or above average high temperatures and 22 days with at or above average low temperatures. Despite the heat, there were no record setting temperature days in July.

The total amount of precipitation for July 2019 was 1.87 inches, which is 2.45 inches below the historical average for July. This past July also saw the 11th smallest amount of precipitation since 1966. The year to date liquid equivalent is now 23.29 inches., and is 1.70 in. above the year to date average of 21.59 in. The majority of the rain fell on July 19th, when 65% of July's rain fell in one day.

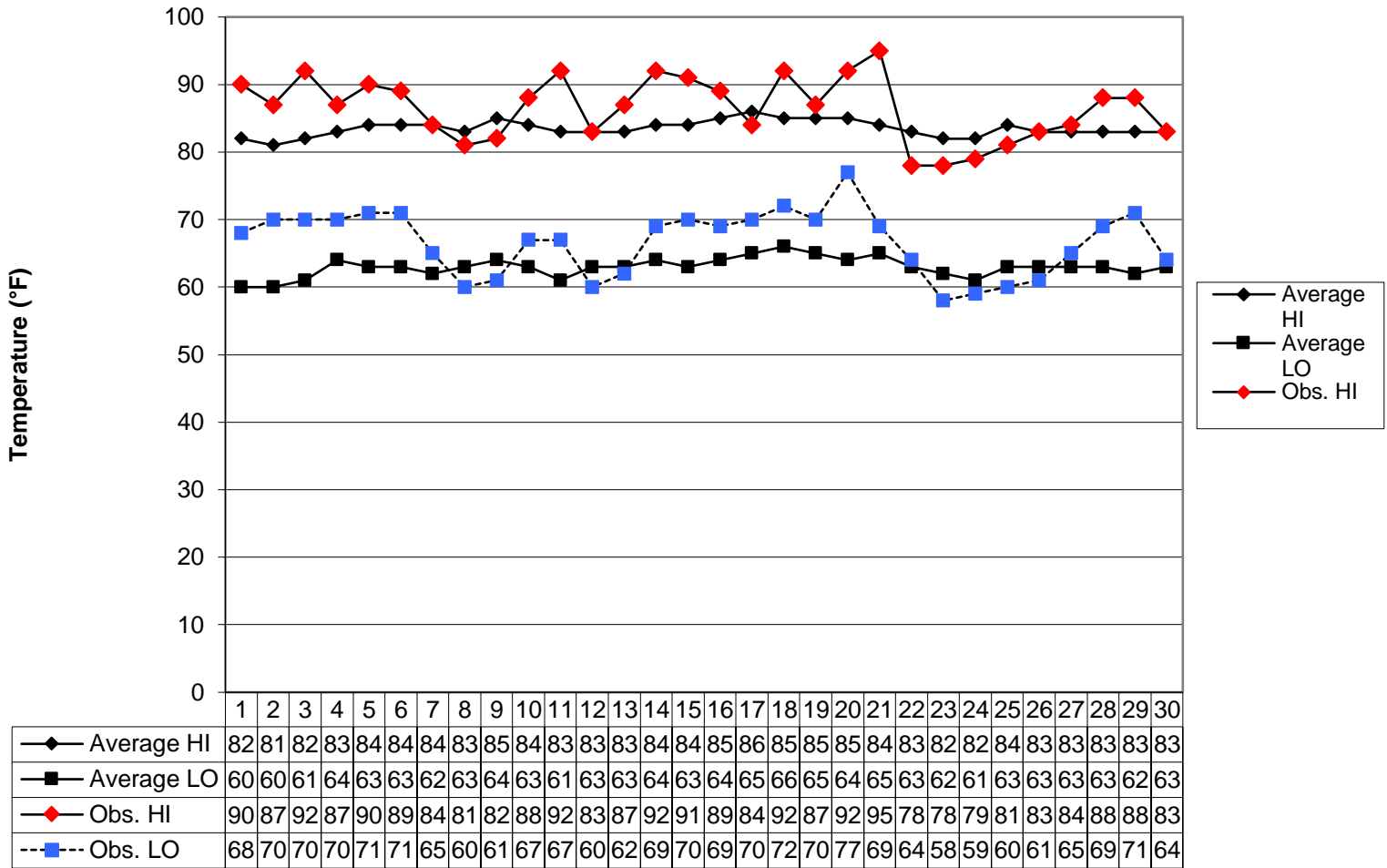
July 2019 had 350.5 cooling degree days, raising the total of cooling degree days (since January) to 489. With 865.5 growing degree days in July 2019, the total number of growing degree days since the start of the year is now 1755.

Erin Hoover & Victoria Lockhart- Cooperative Observers

Luke Henderson & Nicholas Rodeo—Weather Co-Director

This summary was prepared by Luke Henderson, 13 August 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623. Climate Website: <http://climate.niu.edu>

July 2019 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Luke Henderson, NIU Weather Director



Day