

MONTHLY CLIMATE SUMMARY, JULY 2015

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	HDD	CDD	Precip. (in)
1	101	43	82	60	75	56	65.5	0.5	0	15.5	0
2	104	45	81	60	71	50	60.5	0	4.5	10.5	0
3	102	41	82	61	71	52	61.5	0	3.5	11.5	0
4	106	43	83	64	77	59	68	3	0	18	0
5	104	45	84	63	80	62	71	6	0	21	0
6	105	43	84	63	81	64	72.5	7.5	0	22.5	0
7	103	46	84	62	81	60	70.5	5.5	0	20.5	1.29
8	105	41	83	63	71	53	62	0	3	12	0.01
9	101	47	85	64	67	53	60	0	5	10	0.08
10	105	46	84	63	75	59	67	2	0	17	0
11	107	42	83	61	80	62	71	6	0	21	0
12	106	45	83	63	74	65	69.5	4.5	0	19.5	0.13
13	106	44	83	63	83	64	73.5	8.5	0	23.5	1.14
14	109	45	84	64	87	65	76	11	0	26	0
15	98	42	84	63	81	55	68	3	0	18	0
16	100	40	85	64	76	56	66	1	0	16	0
17	100	43	86	65	74	62	68	3	0	18	0.48
18	100	44	85	66	91	74	82.5	17.5	0	32.5	0.01
19	100	45	85	65	89	73	81	16	0	31	0
20	102	47	85	64	82	63	72.5	7.5	0	22.5	0
21	106	46	84	65	86	61	73.5	8.5	0	23.5	0
22	103	43	83	63	79	62	70.5	5.5	0	20.5	0
23	106	45	82	62	81	63	72	7	0	22	0
24	106	48	82	61	83	64	73.5	8.5	0	23.5	0
25	104	41	84	63	82	69	75.5	10.5	0	25.5	0
26	105	46	83	63	87	68	77.5	12.5	0	27.5	0
27	102	46	83	63	77	65	71	6	0	21	0.06
28	103	48	83	63	87	67	77	12	0	27	0
29	104	46	83	62	86	71	78.5	13.5	0	28.5	T
30	104	45	83	63	84	61	72.5	7.5	0	22.5	0
31	104	44	83	63	86	63	74.5	9.5	0	24.5	0

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 73.2(F)
 July 2015 AVG. HI: 80.1(F)
 July 2015 AVG. LO: 62.0(F)
 July 2015 AVG. TEMP.: 71.1(F)

Precipitation

July 2015 TOTAL: 3.20 in.
 July AVG.: 4.32 in.
 July 2015 SNOW: 0
 July SNOW AVG: 0
 2015 liquid-eq. YEAR TO DATE: 23.68 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2015-16 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/15: 203.5
 1/15-Now: 381.5
 HEATING: 7/15: 16
 7/15-Now: 16
 GROWING: 7/15: 652.5
 1/15-Now: 1633.5

Discussion

July 2015 temperatures were below the historical (30-year, 1981-2010) averages. The average temperature was 71.1 degrees and the average high temperature was 80.1 degrees. Both temperatures were 2.1 degrees below the historical averages. The average low of 62.0 degrees was only 0.9 degrees below the historical averages. We only had nine high temperatures that were above the historical average for each day. Only one day surpassed 90 degrees in July 2015.

Total liquid-equivalent precipitation for this month was 3.20 in., which is over an inch below the historical average total of 4.32 inches. The year to date liquid equivalent now stands at 23.68 in., over two inches above the year to date average of 21.59 in. July 7th and 13th accounted for 75.9% of the total monthly precipitation. Most of the precipitation fell in the middle of the month (July 7th through the 17th) with only 0.07 inches at the end of the month.

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Jim Kolar —Weather Director

This summary was prepared by Jim Kolar 09 August 2015. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

Climate Website: <http://climate.niu.edu>

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July 2015 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Jim Kolar, NIU Weather Director

