

MONTHLY CLIMATE SUMMARY, JULY 2016

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	60	67.5	17.5	0	2.5	T
2	104	45	81	60	73	56	64.5	14.5	0.5	0	0
3	102	41	82	61	72	56	64	14	1	0	0
4	106	43	83	64	76	60	68	18	0	3	0.01
5	104	45	84	63	76	65	70.5	20.5	0	5.5	T
6	105	43	84	63	85	66	75.5	25.5	0	10.5	1.91
7	103	46	84	62	84	68	76	26	0	11	0.1
8	105	41	83	63	81	68	74.5	24.5	0	9.5	T
9	101	47	85	64	84	61	72.5	22.5	0	7.5	0
10	105	46	84	63	80	61	70.5	20.5	0	5.5	0
11	107	42	83	61	79	64	71.5	21.5	0	6.5	0
12	106	45	83	63	88	69	78.5	28.5	0	13.5	0
13	106	44	83	63	85	68	76.5	26.5	0	11.5	0
14	109	45	84	64	85	65	75	25	0	10	0.06
15	98	42	84	63	85	60	72.5	22.5	0	7.5	0
16	100	40	85	64	73	56	64.5	14.5	0.5	0	0.02
17	100	43	86	65	78	60	69	19	0	4	0
18	100	44	85	66	82	65	73.5	23.5	0	8.5	0.15
19	100	45	85	65	84	64	74	24	0	9	0
20	102	47	85	64	84	69	76.5	26.5	0	11.5	0
21	106	46	84	65	84	70	77	27	0	12	0
22	103	43	83	63	92	68	80	30	0	15	1.47
23	106	45	82	62	87	69	78	28	0	13	0
24	106	48	82	61	87	70	78.5	28.5	0	13.5	0.81
25	104	41	84	63	92	69	80.5	30.5	0	15.5	0.01
26	105	46	83	63	85	69	77	27	0	12	0
27	102	46	83	63	85	67	76	26	0	11	0
28	103	48	83	63	86	70	78	28	0	13	0
29	104	46	83	62	84	67	75.5	25.5	0	10.5	0.59
30	104	45	83	63	79	65	72	22	0	7	0.17
31	104	44	83	63	79	61	70	20	0	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 2016 AVG. HI: 82.2(F)
 July 2016 AVG. LO: 64.7(F)
 July 2016 AVG. TEMP.: 73.5(F)

Precipitation

July 2016 TOTAL: 5.30 in.
 July AVG.: 4.32 in.
 July 2015 SNOW: 0
 July SNOW AVG: 0
 2016 liquid-eq. YEAR TO DATE: 22.15 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2016-17 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/16: 264.5
 1/16-Now: 550
 HEATING: 7/16: 2
 7/16-Now: 2
 GROWING: 7/16: 727.5
 1/16-Now: 1847

Discussion

July 2016 temperatures were either at or above the historical (30-year, 1981-2010) averages. The average high temperature of 82.2 degrees is equivalent to the historical average high temperature. The average low of 64.7 degrees was 1.8 degrees above the historical average low temperature. The July average temperature is only 0.3 degrees above the July historical average. There were 3 days that had low temperatures of 56 degrees, all of which were lower than their respective average low temperature. Only two days surpassed 90 degrees in July 2016.

Total liquid-equivalent precipitation for this month was 5.30 in., which is about an inch above the historical average total of 4.32 inches. The year to date liquid equivalent now stands at 22.15 in., which is 0.56 inches above the year to date average of 21.59 in. July 6th and 27th accounted for more than half (63.8%) of the total monthly precipitation.

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This summary was prepared by Dominique Watson, 10 August 2016. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

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

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July 2016 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Dominique Watson, NIU Weather Director

