

MONTHLY CLIMATE SUMMARY, JULY 2017

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	79	63	71	0	21	6	0.01	0
2	104	45	81	60	79	58	68.5	0	19	4	0.00	0
3	102	41	82	61	87	62	74.5	0	25	10	0.00	0
4	106	43	83	64	81	62	71.5	0	22	7	0.20	0
5	104	45	84	63	83	65	74	0	24	9	0.00	0
6	105	43	84	63	84	65	74.5	0	25	10	0.43	0
7	103	46	84	62	89	68	78.5	0	29	14	0.00	0
8	105	41	83	63	84	59	71.5	0	22	7	0.00	0
9	101	47	85	64	84	59	71.5	0	22	7	0.00	0
10	105	46	84	63	84	63	73.5	0	24	9	1.02	0
11	107	42	83	61	82	65	73.5	0	24	9	0.14	0
12	106	45	83	63	81	70	75.5	0	26	11	0.02	0
13	106	44	83	63	82	68	75	0	25	10	0.52	0
14	109	45	84	64	82	59	70.5	0	21	6	0.00	0
15	98	42	84	63	67	57	62	3	12	0	0.00	0
16	100	40	85	64	80	57	68.5	0	19	4	0.12	0
17	100	43	86	65	76	55	65.5	0	16	1	0.00	0
18	100	44	85	66	78	57	67.5	0	18	3	0.00	0
19	100	45	85	65	86	61	73.5	0	24	9	0.00	0
20	102	47	85	64	89	66	77.5	0	28	13	2.10	0
21	106	46	84	65	85	67	76	0	26	11	0.03	0
22	103	43	83	63	84	68	76	0	26	11	1.75	0
23	106	45	82	62	84	68	76	0	26	11	0.04	0
24	106	48	82	61	86	64	75	0	25	10	0.19	0
25	104	41	84	63	75	59	67	0	17	2	0.00	0
26	105	46	83	63	79	61	70	0	20	5	0.00	0
27	102	46	83	63	81	60	70.5	0	21	6	1.21	0
28	103	48	83	63	81	61	71	0	21	6	0.00	0
29	104	46	83	62	78	59	68.5	0	19	4	0.00	0
31	104	45	83	63	77	58	67.5	0	18	3	0.00	0
30	104	44	83	63	83	61	72	0	22	7	0.00	0

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 73.2(F)
 July 2017 AVG. HI: 81.6 (F)
 July 2017 AVG. LO: 62.1 (F)
 July 2017 AVG. TEMP.: 71.9(F)

Precipitation

July 2017 TOTAL: 7.78 in.
 July AVG.: 4.32 in.
 July 2017 SNOW: 0
 July SNOW AVG: 0
 2017 liquid-eq. YEAR TO DATE: 28.62 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2017-18 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/17: 225
 1/17-Now: 411
 HEATING: 7/17: 3
 7/17-Now: 3
 GROWING: 7/17: 687
 1/17-Now: 1733.5

Discussion

July 2017 had an average temperature of 71.9 °F which is 1.3 °F below the July historical average. The average high temperature of 81.6 °F is 0.6 °F below the historical average high temperature. The average low of 62.1 °F degrees was 0.8 °F degrees below the historical average low temperature. July had 12 days at or above average high temperatures and 14 days at or above average low temperatures. There were no record setting temperature days in July.

Total liquid-equivalent precipitation for this month was 7.78 in., which is 3.46 in. above the historical average total of 4.32 inches. The year to date liquid equivalent now stands at 28.62 in., which is 7.03 in. above the year to date average of 21.59 in. July 20th had the largest precipitation amount at 2.10 in. of rain while more than 70% of the total monthly precipitation fell in the second half of the month. There was no snowfall in the July, which matched the average.

There were only 3 heating degree days for the month making the total 3. There were 687 growing degree days for the month, making the yearly total 1733.5. There were 225 cooling degree days for the month, making the yearly total 411.

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John Anderson—Weather Director

This summary was prepared by John Anderson, 3 August 2017. 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 2017 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by John Anderson, NIU Weather Director

