

MONTHLY CLIMATE SUMMARY JULY 2000
NIU WEATHER SERVICE, DE KALB, IL.

Day	Record Hi (F)	Record Lo (F)	Average Hi [1896-1995] (F)	Average Lo [1896-1995] (F)	Observed Hi (F)	Observed LO (F)	Observed Avg. Daily (F)	CDD	HDD	Precip. (inches)
1	101	43	83	61	81	55	68	3		T
2	104	45	83	61	82	55	68.5	3.5		0
3	102	41	84	61	84	65	74.5	9.5		1.7
4	106	43	84	61	75	65	70	5		0
5	104	45	84	62	78	65	71.5	6.5		0.17
6	105	43	85	63	82	65	73.5	8.5		0
7	103	46	85	63	85	61	73	8		0
8	105	41	85	64	79	62	70.5	5.5		0
9	101	47	86	64	84	62	73	8		0
10	105	46	86	64	86	68	77	12		0.87
11	107	42	86	64	83	62	72.5	7.5		0.09
12	106	45	86	64	79	64	71.5	6.5		0
13	106	44	86	64	81	65	73	8		0
14	109	45	86	64	86	67	76.5	11.5		0
15	98	42	86	64	85	62	73.5	8.5		0
16	100	40	86	64	80	62	71	6		0
17	100	43	86	64	83	64	73.5	8.5		0
18	100	44	86	64	84	58	71	6		0
19	100	45	85	64	73	57	65	0	0	0.08
20	102	47	85	64	73	57	65	0	0	0
21	106	46	84	63	75	55	65	0	0	0
22	103	43	84	63	73	56	64.5		0.5	0
23	106	45	84	63	73	53	63		2	0
24	106	48	83	63	75	54	64.5		0.5	0
25	104	41	84	63	79	57	68	3		0
26	105	46	83	62	80	61	70.5	5.5		0
27	102	46	83	62	84	64	74	9		0
28	103	48	83	61	86	65	75.5	10.5		0
29	104	46	83	61	80	65	72.5	7.5		0.11
30	104	45	83	61	77	65	71	6		T
31	104	44	83	61	74	65	69.5	4.5		0.31

<u>TEMP</u>	<u>PRECIPITATION</u>	<u>DEGREE DAYS</u>
1896-1995 HI: 84.6 (F)	JULY TOTAL: 3.33 inches	COOLING: 178 1/00- Now: 341.51
1896-1995 LO: 62.7 (F)	JULY AVG.: 4.10 inches	HEATING: 3 7/00 - Now: 3
1896-1995 MONTH: 73.9 (F)	SNOW: 0.0	
JULY 2000 AVG. HI: 79.96 (F)	YEAR TO DATE : 23.19 inches	
JULY 2000 AVG. LO: 61.32 (F)	YEAR TO DATE AVG.: 20.90 inches	
JULY 2000 AVG.: 70.64 (F)		

It looks like this July turned out to be another month where money was saved on cooling costs. Before summarizing the month, I would like to start by apologizing for the mistake I made on last month's climate summary. From June 22nd to the 27th, the HDDs should be CDDs, and from the 29th to the 30th, the CDDs should be HDDs. Anyway, as first mentioned, this July was definitely a cool one! We ended up more than 3 degrees below average. As shown on the graph, temperatures dropped dramatically on the 19th as a vigorous cold front moved down from Canada. It took almost 10 days to heat the temperatures back up to average levels only to be followed by another cooling period to end the month. Coinciding with that cold spell was a dry spell. No precipitation fell at the N.I.U. campus observation station for nine days. This is associated with the high pressure that lingered on the backside of the cold front which suppressed cloud development needed for substantial rainfall. However, a positive offshoot of this high pressure was a stretch of gorgeous clear days with plenty of sunshine and no humidity. All in all, we only ended up roughly .8 inches below average for precipitation as end of the month showers and thunderstorms helped to raise precipitation levels. One last item to point out is that July is the month where we reset the heating degree day counter back to 0. The total for the new heating degree day season is three. That is it for July, although it should be interesting to see if this cool trend will carry through August. Have a great month!

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