

MONTHLY CLIMATE SUMMARY, JULY 2012
NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
1	101	43	82	60	88	68	78	28	13	0	0.00	0.0
2	104	45	81	60	89	65	77	27	12	0	0.21	0.0
3	102	41	82	61	95	71	83	33	18	0	0.00	0.0
4	106	43	83	64	95	72	83.5	33.5	18.5	0	0.00	0.0
5	104	45	84	63	98	73	85.5	35.5	20.5	0	0.00	0.0
6	105	43	84	63	98	77	87.5	37.5	22.5	0	0.00	0.0
7	103	46	84	62	100	77	88.5	38.5	23.5	0	0.00	0.0
8	105	41	83	63	101	69	85	35	20	0	1.06	0.0
9	101	47	85	64	85	65	75	25	10	0	0.00	0.0
10	105	46	84	63	89	67	78	28	13	0	T	0.0
11	107	42	83	61	81	60	70.5	20.5	5.5	0	0.00	0.0
12	106	45	83	63	87	64	75.5	25.5	10.5	0	0.00	0.0
13	106	44	83	63	90	70	80	30	15	0	0.00	0.0
14	109	45	84	64	87	69	78	28	13	0	0.10	0.0
15	98	42	84	63	87	68	77.5	27.5	12.5	0	0.10	0.0
16	100	40	85	64	92	70	81	31	16	0	0.00	0.0
17	100	43	86	65	96	75	85.5	35.5	20.5	0	0.00	0.0
18	100	44	85	66	97	74	85.5	35.5	20.5	0	0.00	0.0
19	100	45	85	65	97	69	83	33	18	0	1.30	0.0
20	102	47	85	64	83	65	74	24	9	0	T	0.0
21	106	46	84	65	82	63	72.5	22.5	7.5	0	0.00	0.0
22	103	43	83	63	86	66	76	26	11	0	0.00	0.0
23	106	45	82	62	88	71	79.5	29.5	14.5	0	T	0.0
24	106	48	82	61	90	69	79.5	29.5	14.5	0	0.28	0.0
25	104	41	84	63	82	68	75	25	10	0	0.03	0.0
26	105	46	83	63	98	68	83	33	18	0	0.03	0.0
27	102	46	83	63	87	65	76	26	11	0	0.16	0.0
28	103	48	83	63	82	62	72	22	7	0	T	0.0
29	104	46	83	62	83	63	73	23	8	0	0.00	0.0
30	104	45	83	63	81	65	73	23	8	0	0	0.0
31	104	44	83	63	91	67	79	29	14	0	0.42	0.0

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 73.2(F)
 July 2012 AVG. HI: 89.84(F)
 July 2012 AVG. LO: 68.32(F)
 July 2012 AVG. TEMP.: 79.03(F)

Precipitation

July 2012 TOTAL: 3.69 in.
 July AVG.: 4.32 in.
 July 2012 SNOW: 0
 July SNOW AVG: 0
 2012 liquid-eq. YEAR TO DATE: 14.46 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2011-12 Seasonal SNOW TO DATE: 24.1 in.
 Seasonal SNOW TO DATE AVG.: 35.8 in.

Degree Days

COOLING: 7/12: 435
 1/12-Now: 776
 HEATING: 7/12: 0
 7/12-Now: 0
 GROWING: 7/12: 900
 1/12-Now: 2240

Discussion

July's monthly average temperature of 79.03°F was far higher than the climatological norm for the month of 73.2°F. The average high temperature for July was 89.8°F, which is considerably higher than the monthly normal high temperature. These higher averages are due to the extensive heat waves that occurred throughout the month. July 2012 witnessed 14 days of high temperatures greater than or equal to 90°F, as well as two days of triple-digit heat on the 7th and 8th. DeKalb had a below average amount of precipitation for the month of July. The Coop tallied 3.69 in., which is 0.63 in. below average. The U.S. Drought Monitor <<http://droughtmonitor.unl.edu/>> suggests that large parts of Illinois have slipped into severe drought conditions, except for the far northern counties where precipitation has been somewhat more plentiful. As of July 24th, 95% of the state (including DeKalb County) was in "severe" drought, with over 70% of the state classified as "extreme".

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July 2012 Daily Highs and Lows with 1981-2010 Average Highs and Lows Prepared by John Barmann, NIU Weather Director

