

## MONTHLY CLIMATE SUMMARY, April, 2002

### NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	Precip. (in)	Snowfall (in)
1	84	16	52	32	45	25	35	0	30	0.05	T
2	80	14	52	32	36	31	33.5	0	31.5	0.23	2.3
3	82	14	52	32	41	30	35.5	0	29.5	T	T
4	79	13	53	32	39	27	33	0	32	T	T
5	80	15	54	32	35	22	28.5	0	36.5	T	T
6	83	12	54	33	42	23	32.5	0	32.5	0.00	0.0
7	79	8	56	33	46	30	38	0	27	T	0.0
8	83	12	56	34	46	33	39.5	0	25.5	0.75	0.0
9	77	18	57	35	52	43	47.5	0	17.5	0.95	0.0
10	92	17	57	35	51	35	43	0	22	0.00	0.0
11	90	18	58	36	63	36	49.5	0	15.5	0.00	0.0
12	82	18	59	37	74	44	59	0	6	0.02	0.0
13	82	18	59	38	57	38	47.5	0	17.5	0.00	0.0
14	80	20	60	39	67	40	53.5	0	11.5	0.00	0.0
15	82	17	61	39	77	46	61.5	0	3.5	0.00	0.0
16	87*	16	62	40	87	58	72.5	7.5	0	0.00	0.0
17	87*	22	63	41	87	65	76	11	0	0.01	0.0
18	87	21	63	41	84	64	74	9	0	0.00	0.0
19	90*	22	63	41	90	60	75	10	0	0.16	0.0
20	84	22	63	41	69	39	54	0	11	0.28	0.0
21	90	22	63	41	49	36	42.5	0	22.5	0.22	0.0
22	91	20	63	40	43	36	39.5	0	25.5	0.10	0.0
23	91	22	64	40	42	33	37.5	0	27.5	0.00	0.0
24	84	17	64	41	59	35	47	0	18	0.00	0.0
25	85	21	65	42	71	34	52.5	0	12.5	0.27	0.0
26	92	25	65	42	53	31	42	0	23	0.21	0.0
27	91	22	65	42	55	34	44.5	0	20.5	0.00	0.0
28	88	25	65	42	56	43	49.5	0	15.5	0.50	T
29	89	25	64	42	45	40	42.5	0	22.5	0.01	0.0
30	92	29	65	42	63	42	52.5	0	12.5	0.00	0.0

\* New Record

<p><u>Temperature</u>          1896-1995 AVG. HI: 59.6(F)          1896-1995 AVG. LOW: 37.7(F)          1896-1995 AVG. TEMP: 48.9(F)          April 2002 AVG. HI: 57.5(F)          April 2002 AVG. LO: 38.4(F)          April 2002 AVG. TEMP: 48.0(F)</p>	<p><u>Precipitation</u>          April TOTAL: 3.76in          April AVG: 3.46in.          SNOW: 2.3in.          AVG SNOW: 1.2in.          YEAR TO DATE: 7.64in.          YEAR TO DATE AVG: 8.35in</p>	<p><u>Degree Days</u>          COOLING: 4/02: 37.5                            1/02-Now: 0.0          HEATING: 4/02: 549                            7/01-Now: 5916.0</p>
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#### Discussion

Despite setting three new record highs for the month, April still turned out to be below normal as a whole. The average temperature for April was 48.0°F, almost one degree below average. We began the month well below average and even recorded 2.3" of snow on the 2<sup>nd</sup>. Temperatures slowly rebounded as we topped out the month at 90°F on the 19<sup>th</sup>. This was the third record high in four days; the other two having been recorded on the 16<sup>th</sup> and 17<sup>th</sup> (both 87°F). Unfortunately, the warm temperatures were short lived. Two days after reaching 90°F, the high only made it up to 49°F. Temperatures remained below average for much of the remainder of the month.

As for precipitation, we finished slightly over the average of 3.46 inches with 3.76 inches of total precipitation recorded. Nearly half of the months precipitation came on the 8<sup>th</sup> and 9<sup>th</sup> when we recorded 0.75 and 0.95 inches of rain, respectively. We missed most of the severe weather to the south but we did have a brief occurrence of hail (pea-size or smaller) late in the evening of the 28<sup>th</sup>. Expect the April showers to bring May flowers, and hopefully warmer temperatures too!

Soren Hall, Weather Director/Cooperative Observer, NIU

Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations