

MONTHLY CLIMATE SUMMARY, OCTOBER 2000
NIU WEATHER SERVICE, DE KALB, IL

Day	Record Hi (F)	Record Lo (F)	Average Hi (1895-1995) (F)	Average Lo (1895-1995) (F)	Observed HI (F)	Observed LO (F)	Observed Avg Daily Temp (F)	CDD	HDD	Precip (in.)
1	93	28	71	46	77	51	64	0	1	0
2	90	25	70	45	83	57	70	5	0	0
3	89	26	69	45	79	44	61.5	0	3.5	T
4	92	27	68	44	71	45	58	0	7	0.86
5	88	26	67	44	63	49	56	0	9	0.01
6	92	20	66	43	56	39	47.5	0	17.5	0.09
7	86	26	65	42	47	28	37.5	0	27.5	0
8	86	22	64	42	46	28	37	0	28	0.04
9	86	23	64	42	46	27	36.5	0	28.5	0
10	87	21	64	41	56	28	42	0	23	0
11	86	20	63	41	62	31	46.5	0	18.5	0
12	84	22	64	41	67	36	51.5	0	13.5	0
13	87	21	64	42	74	40	57	0	8	0
14	85	21	64	41	77	49	63	0	2	T
15	88	21	63	41	76	51	63.5	0	1.5	0
16	85	25	62	41	66	41	53.5	0	11.5	0.12
17	87	22	62	40	57	38	47.5	0	17.5	0
18	86	18	61	39	62	39	50.5	0	14.5	0
19	86	18	60	39	71	42	56.5	0	8.5	0
20	86	18	60	39	78	46	62	0	3	0
21	87	22	61	39	78	47	62.5	0	2.5	0
22	84	20	60	40	72	51	61.5	0	3.5	0
23	83	22	60	39	67	51	59	0	6	0.01
24	80	18	60	39	69	58	63.5	0	1.5	0.03
25	77	22	59	39	69	56	62.5	0	2.5	0
26	82	15	59	38	63	55	59	0	6	0
27	82	19	59	37	76	55	65.5	0.5	0	0.01
28	78	19	59	38	71	45	58	0	7	0
29	80	15	58	38	55	37	46	0	19	0
30	83	13	57	38	57	37	47	0	18	0
31	85	16	56	37	65	44	54.5	0	10.5	0

Temperature

1896-1995 AVG. HI: 62.9(F)
 1896-1995 AVG. LO: 40.8(F)
 1896-1995 AVG. TEMP: 52.1(F)
 SEPTEMBER 2000 AVG. HI: 66.3(F)
 SEPTEMBER 2000 AVG. LO: 43.4(F)
 SEPTEMBER 2000 AVG. TEMP: 54.9(F)

Precipitation

OCTOBER AVG: 2.78in.
 OCTOBER TOTAL: 1.17in.
 SNOW: 0.0in.
 YEAR TO DATE: 32.57in.
 YEAR TO DATE AVG: 31.57in.

Degree Days

COOLING: 10/00: 5.5
 1/00-Now: 652
 HEATING: 10/00: 319
 1/00-Now: 484.5

DISCUSSION

Warm and dry conditions tell the story for the month of October. The numbers include an average temperature that is 2.7 degrees above average, and an average precipitation total of 1.17 inches, only 42% of DeKalb's October average. In fact, as of October 31, the DeKalb area had experienced 15 consecutive days without at least a tenth of an inch of precipitation, and only 1 such day over the past 27 days, which is quite unusual for this time of year. With the exception of a stretch from the 5th - 11th of the month, temperatures were at or above average for the entire month. However, the cool down from the 5th - 11th was enough to produce the first frost of the season on the morning of the 9th, and even a little bit of lake effect snow on the 7th. The snow was nothing measurable, for the soil temperatures were still well above freezing. The steady downward slope of the temperature graph that is expected for the month of October and was observed in the September graph is not apparent in the October 2000 graph. This is yet another indication of the above average warmth in the DeKalb area. The reason for the warmth is the fact that the polar jet stream, which separates the warm tropical air and the cold polar air was positioned well north of the area for most of the latter half of the month, leaving the DeKalb area under the influence of the warmer tropical air. Also, the position of the jet stream as far north as it was kept storm systems north of the region as well, hence the low precipitation for the month. The cold air that is characteristic of November will become more and more prevalent and conditions will become increasingly stormier, despite the warm and dry month of October.

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

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