## MONTHLY CLIMATE SUMMARY, SEPTEMBER, 2006 NIU WEATHER SERVICE, DEKALB, IL

	Record	Record	Average	Average	Obs.	Obs.	Obs.				Precip.	Snowfall
Day	HI	LO	нĭ	LO	HI	LO	Avg.	CDD	HDD	GDD	(in) <sup>.</sup>	(in)
1	100	39	82	60	76	57	66.5	1.5	0	16.5	0.00	0.0
2	101	35	81	59	76	56	66	1	0	16	0.00	0.0
3	99	40	80	58	77	56	66.5	1.5	0	16.5	0.00	0.0
4	100	41	80	56	77	57	67	2	0	17	0.59	0.0
5	99	40	79	56	73	53	63	0	2	13	1.11	0.0
6	100	36	80	56	74	55	64.5	0	0.5	14.5	0.12	0.0
7	101	37	81	57	81	58	69.5	4.5	0	19.5	0.00	0.0
8	99	37	80	55	83	57	70	5	0	20	0.00	0.0
9	96	39	79	56	83	58	70.5	5.5	0	20.5	0.00	0.0
10	96	36	79	55	72	57	64.5	0	0.5	14.5	0.25	0.0
11	94	30	80	56	61	58	59.5	0	5.5	9.5	0.93	0.0
12	96	32	79	55	66	58	62	0	3	12	0.15	0.0
13	98	33	77	55	70	57	63.5	0	1.5	13.5	0.09	0.0
14	100	29	77	53	64	51	57.5	0	7.5	7.5	0.07	0.0
15	101	33	75	52	75	52	63.5	0	1.5	13.5	0.00	0.0
16	92	30	74	52	77	57	67	2	0	17	0.00	0.0
17	94	33	73	52	79	59	69	4	0	19	0.00	0.0
18	97	30	75	53	82	53	67.5	2.5	0	17.5	0.13	0.0
19	93	32	76	53	71	44	57.5	0	7.5	7.5	0.00	0.0
20	93	28	75	51	53	38	45.5	0	19.5	0	0.03	0.0
21	94	32	69	48	63	38	50.5	0	14.5	0.5	0.00	0.0
22	92	29	68	46	68	47	57.5	0	7.5	7.5	0.09	0.0
23	91	30	68	44	73	55	64	0	1	14	0.24	0.0
24	91	30	70	46	66	53	59.5	0	5.5	9.5	0.01	0.0
25	93	25	69	49	65	44	54.5	0	10.5	4.5	0.01	0.0
26	93	26	72	48	71	45	58	0	7	8	0.00	0.0
27	89	27	73	49	73	50	61.5	0	3.5	11.5	0.01	0.0
28	91	23	72	49	65	43	54	0	11	4	0.00	0.0
29	96	28	72	48	56	38	47	0	18	0	0.00	0.0
30	93	22	72	49	59	44	51.5	0	13.5	1.5	0.00	0.0

<u>Temperature</u>	<b>Precipitation</b>	Degree Days
1971-2000 AVG. HI: 75.6(F)	September TOTAL: 3.83 in	COOLING: 9/06: 29.5
1971-2000 AVG. LOW: 52.5(F)	September AVG: 3.47 in.	1/06-Now: 773.0
1971-2000 AVG. TEMP: 64.1(F)	SNOW: 0.0 in.	HEATING: 9/06: 141
September 2006 AVG. HI: 71.0(F)	YEAR TO DATE: 26.26 in	7/06-Now: 142
September 2006 AVG. LO: 51.6(F)	YEAR TO DATE AVG: 29.80 in	GROWING: 9/06: 346
September 2006 AVG. TEMP: 61.3(F)		1/06-Now: 2819

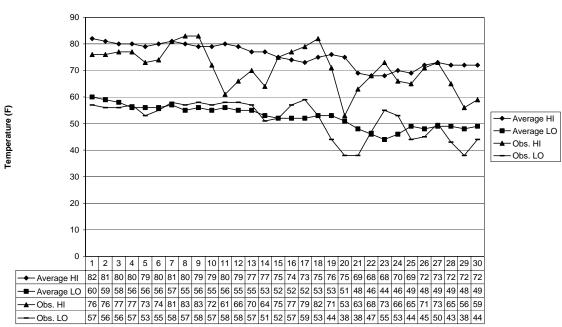
## Discussion

September in DeKalb had the coldest average high temperature since observations were moved to DeKalb in 1966. If you go back through the Sycamore data as well, which goes back to 1896, September 2006 had the 5<sup>th</sup> coolest average high temperature. The low temperatures were not as cold which meant the mean temperature for the month ranked 5<sup>th</sup> for DeKalb dating back to 1966.

September 2006 was wetter than average with 3.83" of rainfall, which is just above the 30-year average of 3.47". This is the first month since March of this year that we have had more rainfall than the 30-year average. Many of the rain events during the month were the result of thunderstorms that moved through northern Illinois. One such day was September 22, when a series of large supercell (rotating) thunderstorms moved through Lee, DeKalb, DuPage, and Cook counties. These storms had numerous severe thunderstorm and tornado warnings associated with them. There was only one confirmed tornado. This was a weak F0 tornado that formed in Cook County just prior to the storm heading out over Lake Michigan. There were also numerous reports of large hail from these storms. For 2006, we remain 3.50" below normal for precipitation.

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September 2006 Daily Highs and Lows with 1971-2000 Average Highs and Lows