MONTHLY CLIMATE SUMMARY, MARCH, 2007
NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	59	-13	38	23	34	24	29	0	36	0	0.40	T
2	66	-9	41	22	43	25	34	0	31	0	0.20	1.6
3	72	-5	40	24	28	19	23.5	0	41.5	0	0.35	6.0
4	70	-3	40	23	28	13	20.5	0	44.5	0	T	T
5	71	-7	39	24	31	13	22	0	43	0	0.00	0.0
6	68	-7	41	24	32	13	22.5	0	42.5	0	0.00	0.0
7	65	-7	41	24	24	14	19	0	46	0	T	0.0
8	73	-13	42	23	29	16	22.5	0	42.5	0	0.00	0.0
9	72	0	41	24	38	17	27.5	0	37.5	0	0.00	0.0
10	69	0	42	24	49	32	40.5	0	24.5	0	0.32	0.0
11	69	-3	43	25	48	29	38.5	0	26.5	0	0.00	0.0
12	72	-6	43	25	51	29	40	0	25	0	0.00	0.0
13	77	5	45	28	61	40	50.5	0	14.5	0.5	0.00	0.0
14	71	5	46	28	72	43	57.5	0	7.5	7.5	0.00	0.0
15	74	9	45	27	61	33	47	0	18	0	0.02	0.0
16	77	-1	45	26	39	22	30.5	0	34.5	0	0.00	0.0
17	71	-2	44	27	35	22	28.5	0	36.5	0	0.00	0.0
18	79	-1	44	27	39	21	30	0	35	0	0.00	0.0
19	78	-8	45	28	45	24	34.5	0	30.5	0	0.09	0.0
20	77	2	46	28	60	28	44	0	21	0	0.00	0.0
21	77	4	48	30	47	28	37.5	0	27.5	0	0.53	0.0
22	78	1	49	28	65	40	52.5	0	12.5	2.5	1.15	0.0
23	80	0	48	28	59	50	54.5	0	10.5	4.5	0.19	0.0
24	84	3	48	27	57	45	51	0	14	1	0.11	0.0
25	81	3	48	29	62	55	58.5	0	6.5	8.5	0.01	0.0
26	80	7	52	33	77	55	66	1	0	16	0.00	0.0
27	82	9	52	33	77	58	67.5	2.5	0	17.5	0.00	0.0
28	82	8	53	34	74	46	60	0	5	10	0.13	0.0
29	84	12	52	34	51	46	48.5	0	16.5	0	0.02	0.0
30	84	5	52	34	60	45	52.5	0	12.5	2.5	0.01	0.0
31	81	7	54	34	55	46	50.5	0	14.5	0.5	0.02	0.0

New Record

Temperature
1971-2000 AVG. HI: 45.4(F)
1971-2000 AVG. LOW: 27.1(F)
1971-2000 AVG. TEMP: 36.4(F)
March 2007 AVG. HI: 49.4(F)
March 2007 AVG. LO: 32.0(F)
March 2007 AVG. TEMP: 40.7(F)

Precipitation
March TOTAL: 3.55 in
March AVG: 2.44 in.
SNOW: 7.6 in.
AVG SNOW: 4.8 in
YEAR TO DATE: 34.2 in
YEAR TO DATE AVG: 22.1 in

Degree Days
COOLING: 3/07: 3.5
       1/07-Now: 3.5
HEATING: 3/07: 757.5
    7/06-Now: 5909
GROWING: 3/07: 71
       1/07-Now: 71

Discussion

March 2007 will be remembered for above average temperatures and precipitation. The average temperature for the month was 40.7°F, which was 4.3°F warmer than the 30-year average of 36.4°F. The "warm" month included four days that were above 70°F, three of which were consecutive. This was only the third time since records have been kept for DeKalb that this has occurred in March. The other two times when a string of 70ºF+ March days has occurred was in 2000 (3 consecutive days) and 1968 (6 consecutive days!). March 2007 ranks as the 7th warmest on record, 3.1°F behind the warmest March in 1973. This was a welcome change from the well below average temperatures experienced in February across much of the Midwest. March 2007 was also above average for precipitation; ranking 8th wettest for liquid equivalent and 5th snowiest.

Nationwide, March was an active severe weather month with a 216 preliminary reports of tornadoes, including 10 tornadoes that produced fatalities. Some of these tornadoes were significant including the one that hit Enterprise, AL, which was later rated an EF4 on a scale from EF0 to EF5. There were numerous tornadoes in areas of the country that normally do not receive severe weather this early in the year, including areas as far west as New Mexico.

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

March 2007 Daily Highs and Lows with 1971-2000 Average Highs and Lows

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Average HI	38	41	40	40	39	41	41	42	41	42	43	43	45	46	45	45	44	44	45	46	48	49	48	48	48	52	52	53	52	52	54
Average LO	23	22	24	23	24	24	24	23	24	24	25	25	28	28	27	26	27	27	28	28	30	28	28	27	29	33	33	34	34	34	34
Obs. HI	34	43	28	28	31	32	24	29	38	49	48	51	61	72	61	39	35	39	45	60	47	65	59	57	62	77	77	74	51	60	55
Obs. LO	24	25	19	13	13	13	14	16	17	32	29	29	40	43	33	22	22	21	24	28	28	40	50	45	55	55	58	46	46	45	46

Day