

MONTHLY CLIMATE SUMMARY, February, 2007

NIU WEATHER SERVICE, DEKALB, IL

IMPORTANT NOTICE:

The NIU Coop will no longer mail or issue paper copies of the climate report after April (the last hardcopy mailed will include the April summary). We will begin emailing the summary to those interested in receiving the report. If you are interested, please call the Dept. of Geography at 815-753-0631 or email us at dsibley@niu.edu to be placed on the email list.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	65	-18	30	13	19	0	9.5	0	55.5	0	T	T
2	47	-20	29	14	20	3	11.5	0	53.5	0	0.00	0.0
3	52	-23	30	15	10	2	6	0	59	0	0.00	0.0
4	54	-18	29	13	0	-9	-4.5	0	69.5	0	0.00	0.0
5	58	-20	27	11	0	-13	-6.5	0	71.5	0	0.00	0.0
6	55	-15	26	12	7	-9	-1	0	66	0	0.00	0.0
7	52	-16	27	9	6	-9	-1.5	0	66.5	0	0.18	4.0
8	56	-16	27	10	9	-12	-1.5	0	66.5	0	0.00	0.0
9	59	-26	28	10	7	-11	-2	0	67	0	0.00	0.0
10	55	-21	31	14	12	-9	1.5	0	63.5	0	0.00	0.0
11	60	-15	32	16	11	-9	1	0	64	0	0.00	0.0
12	55	-21	33	14	25	11	18	0	47	0	0.10	2.0
13	59	-26	31	15	29	20	24.5	0	40.5	0	0.06	2.5
14	60	-12	33	17	20	2	11	0	54	0	0.04	3.0
15	64	-17	34	19	16	-4	6	0	59	0	0.00	0.0
16	56	-14	34	17	11	-7	2	0	63	0	0.00	0.0
17	57	-16	33	18	20	-7	6.5	0	58.5	0	0.09	1.5
18	56	-21	35	21	24	7	15.5	0	49.5	0	T	T
19	66	-17	38	22	21	9	15	0	50	0	0.00	0.0
20	62	-25	40	23	41	18	29.5	0	35.5	0	0.00	0.0
21	65	-11	40	24	42	23	32.5	0	32.5	0	0.00	0.0
22	64	-13	39	23	46	24	35	0	30	0	0.00	0.0
23	69	-12	39	24	36	23	29.5	0	35.5	0	0.00	0.0
24	62	-11	39	22	33	24	28.5	0	36.5	0	0.00	0.0
25	66	-12	36	20	36	25	30.5	0	34.5	0	0.83	3.2
26	69	-11	38	20	36	29	32.5	0	32.5	0	0.32	1.8
27	68	-6	40	22	29	27	28	0	37	0	T	T
28	63	-5	40	23	33	21	27	0	38	0	0.00	0.0

Temperature

1971-2000 AVG. HI: 33.5(F)
 1971-2000 AVG. LOW: 17.2(F)
 1971-2000 AVG. TEMP: 25.6(F)
 February 2007 AVG. HI: 21.4(F)
 February 2007 AVG. LO: 6.0(F)
 February 2007 AVG. TEMP: 13.7(F)

Precipitation

February TOTAL: 1.62 in
 February AVG: 1.40 in.
 SNOW: 18 in.
 AVG SNOW: 7.3 in.
 YEAR TO DATE: 2.63 in
 YEAR TO DATE AVG: 1.60 in

Degree Days

COOLING: 2/07: 0
 Y.T.D: 0
 HEATING: 2/07: 1436
 7/06-Now: 5151.5
 GROWING: 2/07: 0
 Y.T.D: 0

Discussion

Temperatures were well below average nearly every single day this month, helping make this the coldest February on record in DeKalb. The average temperature for the month was nearly 12 degrees cooler than normal. In mid-February, there was an impressive eight straight days experiencing sub-zero temperatures, with another period of 3 days experiencing below zero temperatures later in the month. The cold temperatures were likely exacerbated by the persistent snow cover, which ranged from 2 to 12 inches. Our monthly snowfall total of 18 inches is more than double the average of 7.3 inches and the 3rd largest total on record (1994 remains in 1st place with 26.4 inches). Above average precipitation for this month helped balance the deficit we experienced last month, and once all the snow melts and percolates into the ground, we should remain saturated for a few weeks. Towards the end of the month two low pressure systems swept across northern Illinois, allowing temperatures to finally peak above freezing and the ground to begin its seasonal thaw in time for start of meteorological spring.

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

