

MONTHLY CLIMATE SUMMARY, FEBRUARY 2014
NIU WEATHER SERVICE: DE KALB, IL.

Day	Record		Average		Obs.		Obs. Avg.	CDD	GDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO						
1	65	-18	32	15	20	11	15.5	0	0	49.5	0.23	2.8
2	47	-20	31	16	25	5	15	0	0	50	T	0.6
3	52	-23	30	16	20	-8	6	0	0	59	0	0
4	54	-18	29	13	14	-8	3	0	0	62	0	0
5	58	-20	27	11	21	8	14.5	0	0	50.5	0.1	3
6	55	-15	28	14	18	-9	4.5	0	0	60.5	T	T
7	52	-16	30	14	4	-10	-3	0	0	68	0	0
8	56	-16	30	14	10	-6	2	0	0	63	T	T
9	59	-26	31	15	13	1	7	0	0	58	0.06	2.2
10	55	-21	31	15	12	-11	0.5	0	0	64.5	0	0
11	60	-15	30	15	6	-13	-3.5	0	0	68.5	0	0
12	55	-21	31	13	8	-8	0	0	0	65	0	0
13	59	-26	31	14	17	2	9.5	0	0	55.5	0	0
14	60	-12	32	16	32	7	19.5	0	0	45.5	0	0
15	64	-17	34	17	17	0	8.5	0	0	56.5	0	0
16	56	-14	32	17	16	1	8.5	0	0	56.5	0.1	0.6
17	57	-16	33	17	22	12	17	0	0	48	T	T
18	56	-21	34	19	30	14	22	0	0	43	0.25	5.3
19	66	-17	37	19	40	17	28.5	0	0	36.5	0	0
20	62	-25	38	23	37	26	31.5	0	0	33.5	1	0.9
21	65	-11	39	23	43	23	33	0	0	32	0.59	T
22	64	-13	38	23	33	18	25.5	0	0	39.5	0	0
23	69	-12	37	22	32	12	22	0	0	43	0	0
24	62	-11	37	21	25	9	17	0	0	48	0	0
25	66	-12	36	20	22	9	15.5	0	0	49.5	0	0
26	69	-11	37	20	19	-4	7.5	0	0	57.5	0	0
27	68	-6	38	21	16	-3	6.5	0	0	58.5	0	0
28	63	-5	37	21	8	-1	3.5	0	0	61.5	0	0

Temperature

1981-2010 AVG. HI: 33.2° (F)
 1981-2010 AVG. LOW: 17.2° (F)
 1981-2010 AVG. TEMP: 25.2° (F)
 February 2013 AVG. HI: 20.7° (F)
 February 2013 AVG. LO: 3.4° (F)
 February 2013 AVG. TEMP: 12° (F)

Precipitation

February 2014 TOTAL: 2.33 in.
 February AVG: 1.55 in.
 February 2014 SNOW: 15.4 in.
 February SNOW AVG: 7.3 in.
 2014 liquid-eq. YEAR TO DATE: 4.00 in.
 liquid-eq. YEAR TO DATE AVG: 3.02 in.
 2013-14 Seasonal SNOW TO DATE: 43.5 in.
 Seasonal SNOW TO DATE AVG: 27.2 in.

Degree Days

COOLING: 2/14: 0
 1/14-NOW: 0
 HEATING: 2/14: 1483
 7/13-NOW: 6022
 GROWING: 2/14: 0
 1/14-NOW: 0

Discussion

February saw temperatures well below historical average. The average high, low, and average for the month were all about 13°F below average. There were only three days with temperatures at or above average highs, and only two days with at or above average lows. Six highs and eleven lows were more than twenty degrees below their respective daily average. The coldest temperature of the month was on the 11th with a low of -13°F, which is only 2 degrees warmer than the record low and 28° below the daily average. This ranks February 2014 as the second coldest in history, the coldest being in 1936 with a mean temperature of 9.3°F. The 2013-14 winter ranks as the coldest since '78-'79 and the second coldest on record with a mean temperature of 14.4°F. The coldest historical winter was that of 1903-04, which had a mean of 14°F. February liquid equivalent precip was 0.78" above average at 2.33 inches. This puts the year-to-date precipitation at 4 inches, which is 0.98" above historical average. Snowfall for the month totaled at 15.4 inches. This is about 8" above average and ranks as the 8th snowiest since 1966. The record was in 1994 when DeKalb saw 26.4 inches of snow in February. The seasonal snowfall at the end of February 2014 stood at 43.5 inches, about 16.3" above historical average. This ranks the '13-'14 winter as the 6th snowiest since 1966, the record being in 1978-79 with 72.9 inches of snow.

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This summary was prepared by Richard Medlicott, 23 March 2013. Forecast Information (updated once daily at approx. 7:30 am): (847) 848-4082

Climate Website: <http://climate.niu.edu>

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February 2014 Daily Highs and Lows with 1981-2010 Average Highs and Lows

Prepared by Richard C. Medicott, NIU Weather Director

