

**MONTHLY CLIMATE SUMMARY, FEBRUARY 2013**  
**NIU WEATHER SERVICE: DE KALB, ILL.**

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	GDD	HDD	Precip. (in)	Snowfall (in)
1	65	-18	32	15	13	-3	5	0	0	60	0	0
2	47	-20	31	16	21	-4	8.5	0	0	56.5	0.12	1.7
3	52	-23	30	16	28	5	16.5	0	0	48.5	0.01	0.6
4	54	-18	29	13	21	12	16.5	0	0	48.5	0.12	1.8
5	58	-20	27	11	24	7	15.5	0	0	49.5	0.02	0.3
6	55	-15	28	14	29	14	21.5	0	0	43.5	T	0.2
7	52	-16	30	14	37	14	25.5	0	0	39.5	0.16	0
8	56	-16	30	14	32	19	25.5	0	0	39.5	0.72	4.2
9	59	-26	31	15	24	19	21.5	0	0	43.5	0	0
10	55	-21	31	15	33	24	28.5	0	0	36.5	T	0
11	60	-15	30	15	43	32	37.5	0	0	27.5	0.45	0
12	55	-21	31	13	32	23	27.5	0	0	37.5	T	T
13	59	-26	31	14	29	18	23.5	0	0	41.5	0	0
14	60	-12	32	16	40	21	30.5	0	0	34.5	0	0
15	64	-17	34	17	38	19	28.5	0	0	36.5	0	0
16	56	-14	32	17	29	11	20	0	0	45	0	0
17	57	-16	33	17	18	7	12.5	0	0	52.5	T	T
18	56	-21	34	19	29	7	18	0	0	47	0	0
19	66	-17	37	19	48	11	29.5	0	0	35.5	0.45	0.3
20	62	-25	38	23	13	4	8.5	0	0	56.5	T	T
21	65	-11	39	23	19	4	11.5	0	0	53.5	0	0
22	64	-13	38	23	27	17	22	0	0	43	0.21	2.7
23	69	-12	37	22	31	21	26	0	0	39	T	T
24	62	-11	37	21	27	11	19	0	0	46	T	T
25	66	-12	36	20	33	11	22	0	0	43	0	0
26	69	-11	37	20	40	23	31.5	0	0	33.5	T	T
27	68	-6	38	21	40	23	31.5	0	0	33.5	0.33	4.5
28	63	-5	37	21	31	27	29	0	0	36	0.07	0.4
29	59	-13	41	20	13	-3	5	0	0	60	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: 29.6 (F)  
 February 2013 AVG. LO: 14.2 (F)  
 February 2013 AVG. TEMP: 21.9 (F)

**Precipitation**

February 2013 TOTAL: 2.66 in.  
 February AVG: 1.55 in.  
 February 2013 SNOW: 16.7 in.  
 February SNOW AVG: 7.3 in.  
 2013 liquid-eq. YEAR TO DATE: 6.14 in.  
 liquid-eq. YEAR TO DATE AVG: 3.02in.  
 2012-13 Seasonal SNOW TO DATE: 19.6 in.  
 Seasonal SNOW TO DATE AVG: 27.2 in.

**Degree Days**

COOLING: 2/13: 0  
 1/13-NOW: 0  
 HEATING: 2/13: 1207  
 7/12-NOW: 4683.5  
 GROWING: 2/13: 0  
 1/13-NOW: 0

**Discussion**

February's mean temperature of 21.9°F was four degrees cooler than the historical normal. February started out with high temperatures below the daily averages, ranging from lower teens to upper 40s. Most of February included high temperatures that were within the middle to upper 20's, with the highest temperature recorded on February 19<sup>th</sup> at 48°F. The lowest temperature for February was recorded on the 2nd at -4°F. Comparing February historical rankings for mean temperature (1966-2013), 2013 ranked as the thirteenth coldest with a mean temperature at 21.9°F. The coldest February was 2007, with a mean temperature of 13.7°F. Liquid Equivalent precipitation total for the month of February was 2.66 in. In comparison to the historical records extending to 1966, February's total ranks 5<sup>th</sup> wettest month; the wettest February was in 1997 at 4.90in. Total snowfall for February was 16.7in. Comparing February historical rankings for snowfall with records extending from 1966; February ranks 6<sup>th</sup> greatest total snowfall for the month. The highest snowfall for February was recorded in 1994 with a snowfall total of 26.4in.

John Barmann, Doug Dziubla, Nick Gray, Richard Medlicott, Joe Rodey, Melissa Randich, Stephanie Gizzi, Matthew Feldbusch, Kyle Kiel, Tim Chinnock, Jason Madden, Kevin Kucharski, and Kristian Kampendahl - Cooperative Observers; John Barmann--Weather Director

This summary was prepared by John Barmann, 28 February 2013. Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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

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**February 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by John Barmann, NIU Weather Director

