

MONTHLY CLIMATE SUMMARY, FEBRUARY 2016

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
1	65	-16	32	15	41	28	34.5	0	0	30.5	T	0
2	47	-17	31	16	36	27	31.5	0	0	33.5	0	0
3	49	-23	30	16	36	27	31.5	0	0	33.5	0.53	T
4	54	-22	29	13	34	16	25	0	0	40	T	T
5	51	-17	27	11	30	16	23	0	0	42	0.01	0.2
6	53	-15	28	14	29	23	26	0	0	39	0	0
7	46	-16	30	14	41	23	32	0	0	33	0	0
8	53	-12	30	14	45	26	35.5	0	0	29.5	T	T
9	59	-11	31	15	26	12	19	0	0	46	0.01	0.2
10	55	-14	31	15	16	5	10.5	0	0	54.5	T	0.2
11	58	-13	30	15	16	4	10	0	0	55	0	0
12	68	-13	31	13	21	5	13	0	0	52	T	T
13	55	-7	31	14	21	1	11	0	0	54	T	T
14	56	-6	32	16	15	0	7.5	0	0	57.5	0	0
15	60	-4	34	17	19	12	15.5	0	0	49.5	0.1	3.8
16	55	-7	32	17	26	19	22.5	0	0	42.5	0	0
17	56	-7	33	17	29	16	22.5	0	0	42.5	0.04	0.6
18	55	-4	34	19	27	16	21.5	0	0	43.5	0	0
19	56	-12	37	19	43	24	33.5	0	0	31.5	0	0
20	59	-11	38	23	59*	37	48	0	0	17	0	0
21	57	-3	39	23	54	33	43.5	0	0	21.5	0	0
22	61	-2	38	23	39	27	33	0	0	32	0	0
23	58	-9	37	22	42	29	35.5	0	0	29.5	0	0
24	62	-11	37	21	45	30	37.5	0	0	27.5	0	0
25	62	-11	36	20	37	29	33	0	0	32	T	T
26	69	-4	37	20	36	26	31	0	0	34	0	0
27	68	-9	38	21	32	26	29	0	0	36	0	0
28	63	-9	37	21	55	27	41	0	0	24	0	0
29	61	-13	41	20	61*	29	45	0	0	20	0.02	0

*Record setting temperatures

Temperature

1981-2010 AVG. HI: 33 (F)
 1981-2010 AVG. LOW: 17 (F)
 1981-2010 AVG. TEMP.: 25 (F)
 February 2016 AVG. HI: 34.9 (F)
 February 2016 AVG. LO: 20.5 (F)
 February 2016 AVG. TEMP.: 27.7 (F)

Precipitation

February 2016 TOTAL: 0.71 in.
 February AVG.: 1.55 in.
 February 2016 SNOW: 5.0 in.
 February SNOW AVG: 7.3 in.
 2016 liquid-eq. YEAR TO DATE: 1.09 in.
 liquid-eq. YEAR TO DATE AVG.: 3.02 in.
 2015-16 Seasonal SNOW TO DATE: 21.4 in.
 Seasonal SNOW TO DATE AVG.: 27.2 in.

Degree Days

COOLING: 2/16: 0
 2/16-Now: 0
 HEATING: 2/16: 1083
 7/15-Now: 4480
 GROWING: 2/16: 0
 2/16-Now: 0

Discussion

February's average temperature of 27.7°F was 2.7 degrees above the historical average temperature. This month's average temperature was the 14th warmest on record for DeKalb. The average high of 34.9 degrees was 1.9 degrees above the historical average. The average low of 20.5 degrees was 3.5 degrees above the historical average. There were only nine days where the daily low temperature fell below the historical average. There were two days that broke records for high temperatures, February 20th and 29th.

February had 0.71 inches of liquid precipitation, which is just under half of the February average. February 2016 was the 9th driest February on record for DeKalb. The month's snow total was 5.0 inches, which is under 2.3 inches under the average for February. Seventy-six percent of the total snowfall fell on February 15th. The 2015-16 seasonal snow to date total now stands at 21.4 inches, which is almost six inches under the seasonal snow to date average.

Emma Falk, Marc Quatrini, Dan O'Sullivan, Michael Keierleber, Nathan Halm, Steven Chun, Paul Sieczka - Cooperative Observers

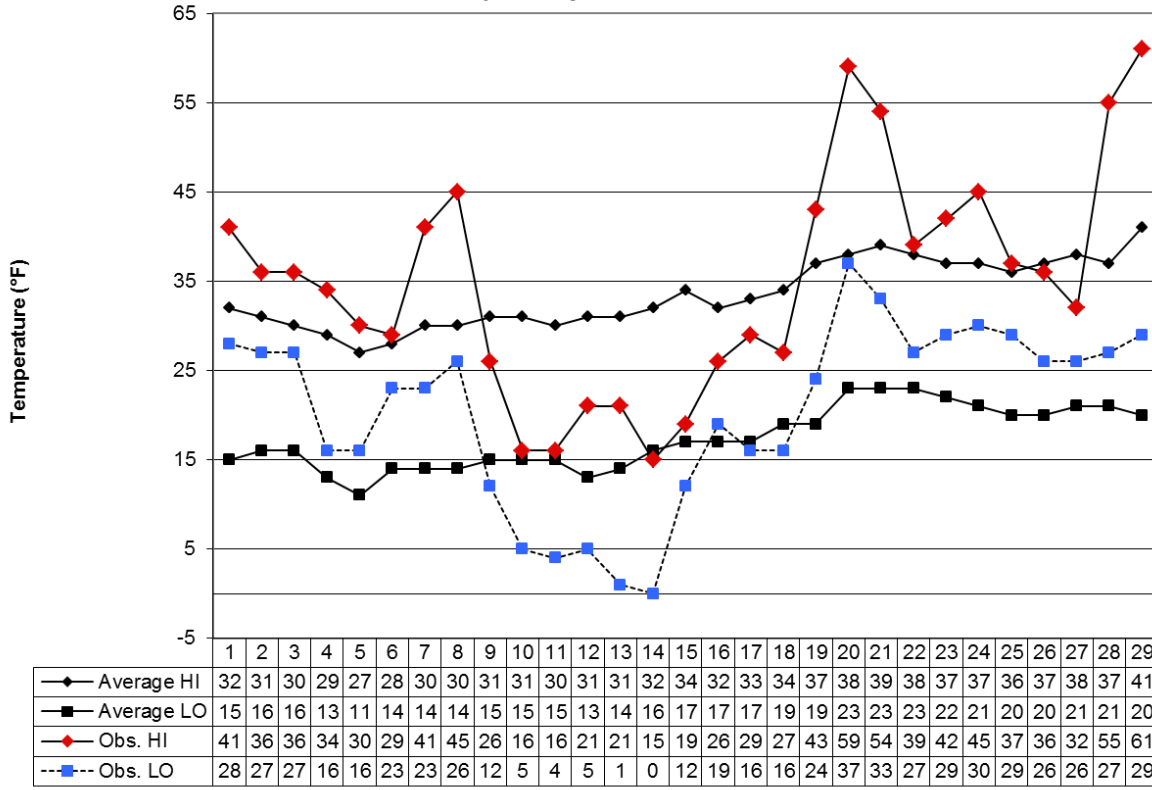
Jim Kolar—Weather Director

This summary was prepared by Jim Kolar, 14 March 2016. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.

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

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

February 2016 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Jim Kolar, NIU Weather Director



Day