

**MONTHLY CLIMATE SUMMARY, FEBRUARY 2018**  
**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	-18	32	15	39	11	25	0	0	40	0	0
2	47	-20	31	16	22	2	12	0	0	53	0	0
3	52	-23	30	16	21	1	11	0	0	54	0	0
4	54	-18	29	13	38	16	27	0	0	38	T	0.4
5	58	-20	27	11	16	-8	4	0	0	61	0.02	0.8
6	55	-15	28	14	10	-6	2	0	0	63	0.05	2.5
7	52	-16	30	14	12	0	6	0	0	59	0.05	1.6
8	56	-16	30	14	16	-3	6.5	0	0	58	T	T
9	59	-26	31	15	21	6	13.5	0	0	51	0.31	4
10	55	-21	31	15	20	9	14.5	0	0	50	0.18	3.2
11	60	-15	30	15	14	8	11	0	0	54	0.22	2.8
12	55	-21	31	13	18	2	10	0	0	55	T	0
13	59	-26	31	14	16	2	9	0	0	56	0	0
14	60	-12	32	16	28	14	21	0	0	44	0	0
15	64	-17	34	17	39	23	31	0	0	34	T	0
16	56	-14	32	17	41	29	35	0	0	30	0	0
17	57	-16	33	17	33	10	21.5	0	0	43	0	0
18	64	-21	34	19	31	12	21.5	0	0	43	0.04	1.2
19	66	-17	37	19	37	12	24.5	0	0	40	T	0
20	66	-25	38	23	53	36	44.5	0	0	20	1.2	0
21	68	-11	39	23	58	24	41	0	0	24	0.43	0
22	65	-13	38	23	29	23	26	0	0	39	0	0
23	67	-12	37	22	40	28	34	0	0	31	0.13	0
24	62	-11	37	21	40	30	35	0	0	30	0	0
25	66	-12	36	20	45	30	37.5	0	0	27	0.13	0
26	69	-11	37	20	43	25	34	0	0	31	0	0
27	68	-6	38	21	53	26	39.5	0	0	25	0	0
28	63	-9	37	21	60	37	48.5	0	0	16	0	0

**Temperature**

1981-2010 AVG HI: 33.0 °F  
 1981-2010 AVG LOW: 17.0°F  
 1981-2010 AVG TEMP.: 25.0 °F  
 February 2018 AVG HI: 31.9°F  
 February 2018 AVG LOW: 14.3°F  
 February 2018 AVG TEMP: 23.1°F

**Precipitation**

February 2018 TOTAL: 2.76 in.  
 February AVG: 1.55 in.  
 February 2018 SNOW: 16.5 in.  
 February SNOW AVG.: 7.3 in.  
 2018 Liquid-Eq. YEAR TO DATE: 4.08 in.  
 Liquid-Eq. YEAR TO DATE AVG: 3.02 in.  
 2017-2018 Seasonal SNOW TO DATE: 29.5 in.  
 Seasonal SNOW TO DATE AVG: 27.2 in.

**Degree Days**

COOLING: 2/17: 0  
 2/17-Now: 0  
 HEATING: 2/17: 1169  
 7/16-Now: 5113  
 GROWING: 2/17: 0  
 2/17-Now: 0

**Discussion**

February's average temperature was 23.1 degrees, which is 1.9 degrees colder than the historical average temperature. February's average high of 31.9 degrees was 1.1 degrees colder than the historical average high, with the average low temperature of 14.3 degrees being colder by 2.7 degrees. February had 12 days with above average highs and 11 days with above average lows. February had its highest temperature on the 21<sup>st</sup> at 58 degrees. This was 19 degrees above the average for the day. The lowest temperature during February was -8°F which occurred on the 5<sup>th</sup>.

February's precipitation total for 2018 was 2.76 in., which was 1.21 in. above the average. The 2018 liquid-equivalent year to date now is 4.08 in, which is 1.06 inches above average. Seventy percent of the precipitation fell in the second half of the month. The total snowfall for February was 16.5 in, which is 9.2 in. above the average. Ninety-three percent of the snow fell between February 4<sup>th</sup> and 11<sup>th</sup>.

The 2017-2018 winter saw an average high temperature of 30.6 degrees from December 1<sup>st</sup> to February 28<sup>th</sup>. This winter's average temperature was 22.1 degrees and the average low temperature was 13.7 degrees. The winter season saw a total of 29.5 in of snowfall and 4.51 in of liquid equivalent.

Hannah Alto, Kevin Doom, Ryne James, Alec Van Maldegiam — Cooperative Observers;

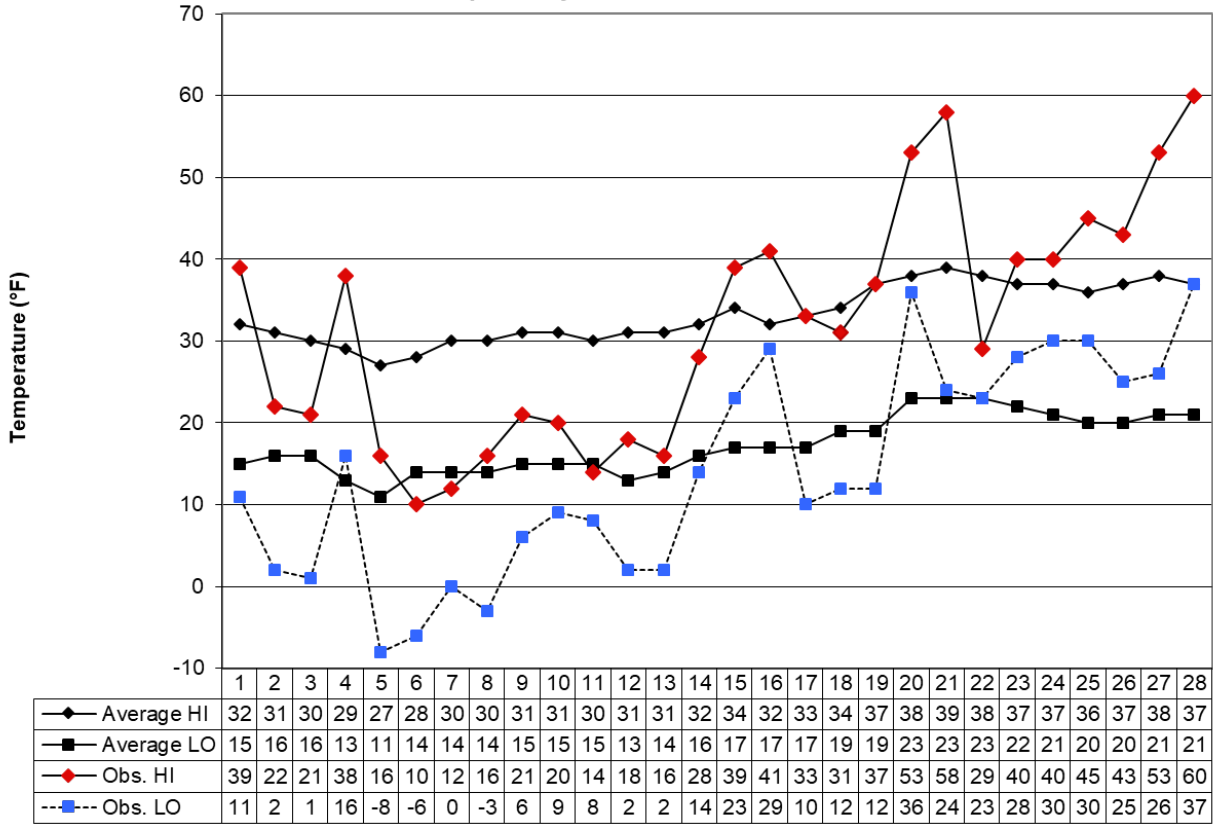
John Anderson — Weather Director

This summary was prepared by John Anderson, 10 February 2018. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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 2018 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by John Anderson, NIU Weather Director



Day