

**MONTHLY CLIMATE SUMMARY, DECEMBER 2017**  
**NIU WEATHER SERVICE: DE KALB, IL.**

Day	Record		Average		Obs.		Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	Obs. LO						
1	63	4	38	26	51	25	38	0	27	0	0	0
2	64	-5	38	24	53	25	39	0	26	0	0	0
3	66	-14	38	23	54	27	40.5	0	24	0	0	0
4	69	-4	36	21	56	28	42	0	23	0	0	0
5	64	-4	35	21	62	26	44	0	21	0	0.08	0
6	65	-7	35	18	33	22	27.5	0	37	0	0	0
7	66	-9	34	19	33	15	24	0	41	0	0	0
8	63	-8	34	21	27	14	20.5	0	44	0	T	T
9	59	-18	34	20	37	15	26	0	39	0	0.02	0
10	56	-18	35	19	28	15	21.5	0	43	0	0	0
11	60	-15	34	19	32	19	25.5	0	39	0	0	0
12	55	-10	33	17	37	13	25	0	40	0	0.08	0.9
13	60	-19	32	18	24	12	18	0	47	0	0	0
14	60	-12	33	21	34	12	23	0	42	0	T	T
15	59	-14	35	20	24	12	18	0	47	0	0	0
16	58	-17	34	19	34	24	29	0	36	0	0	0
17	57	-13	31	18	47	29	38	0	27	0	0	0
18	56	-12	29	15	40	32	36	0	29	0	T	0
19	55	-17	29	15	44	35	39.5	0	25	0	0	0
20	57	-19	30	15	48	26	37	0	28	0	0	0
21	57	-18	31	16	34	25	29.5	0	35	0	0	0
22	55	-12	31	16	37	30	33.5	0	31	0	T	0
23	58	-17	31	16	35	23	29	0	36	0	0	0
24	57	-22	29	14	27	16	21.5	0	43	0	0	0
25	60	-13	27	12	19	9	14	0	51	0	0.15	2.6
26	56	-22	28	12	11	-7	2	0	63	0	0	0
27	55	-20	30	17	4	-10	-3	0	68	0	0	0
28	64	-24	33	18	4	-10	-3	0	68	0	0	0
29	63	-12	32	17	9	1	5	0	60	0	0.04	1.1
30	59	-13	31	14	13	2	7.5	0	57	0	0.06	1.4
31	57	-14	33	18	3	-6	-1.5	0	67	0	0	0

**Temperature**

1981-2010 AVG HI: 36.5 °F  
 1981-2010 AVG LOW: 17.9 °F  
 1981-2010 AVG TEMP.: 26.8 °F  
 December 2017 AVG HI: 32.1 °F  
 December 2017 AVG LOW: 16.1 °F  
 December 2017 AVG TEMP: 24.1 °F

**Precipitation**

December 2017 TOTAL: 0.43 in.  
 December AVG: 2.17 in.  
 December 2017 SNOW: 6 in.  
 December SNOW AVG.: 10.0 in.  
 2017 Liquid-Eq. YEAR TO DATE: 41.28 in.  
 Liquid-Eq. YEAR TO DATE AVG: 36.79 in.  
 2017-2018 Seasonal SNOW TO DATE: 6 in.  
 Seasonal SNOW TO DATE AVG: 11.2 in.

**Degree Days**

COOLING: 12/17: 0  
 1/17-Now: 681  
 HEATING: 12/17: 1264  
 7/17-Now: 2535  
 GROWING: 12/17: 0  
 1/17-Now: 3062.5

**Discussion**

December's average temperature was 24.1 °F, which is 2.7 degrees cooler than the historical average temperature. December's average high of 32.1 degrees was 4.4 degrees cooler than the historical average high, with the average minimum temperature being cooler than the historical average by 1.8 degrees. December had 16 days with at or above average highs and 15 days with at or above average lows. December had its highest temperature on the 5<sup>th</sup> at 62 degrees which was 27 degrees above the average for the day. December did not see any record-breaking temperature days.

December's precipitation total for 2017 was 0.43 in., which was 1.74 in. below the average. The 2017 liquid-equivalent year to date now is 41.28 in. The total for 2017 is 4.49 inches above the year to date average of 36.79 in. Fifty-Eight percent of the precipitation fell within the second half of the month. The total snowfall for December was 6 in., which was 5.2 in. below average. The largest snowfall occurred on December 25<sup>th</sup> with 2.6 in. of snow. This accounted for forty-three percent of the monthly snowfall total.

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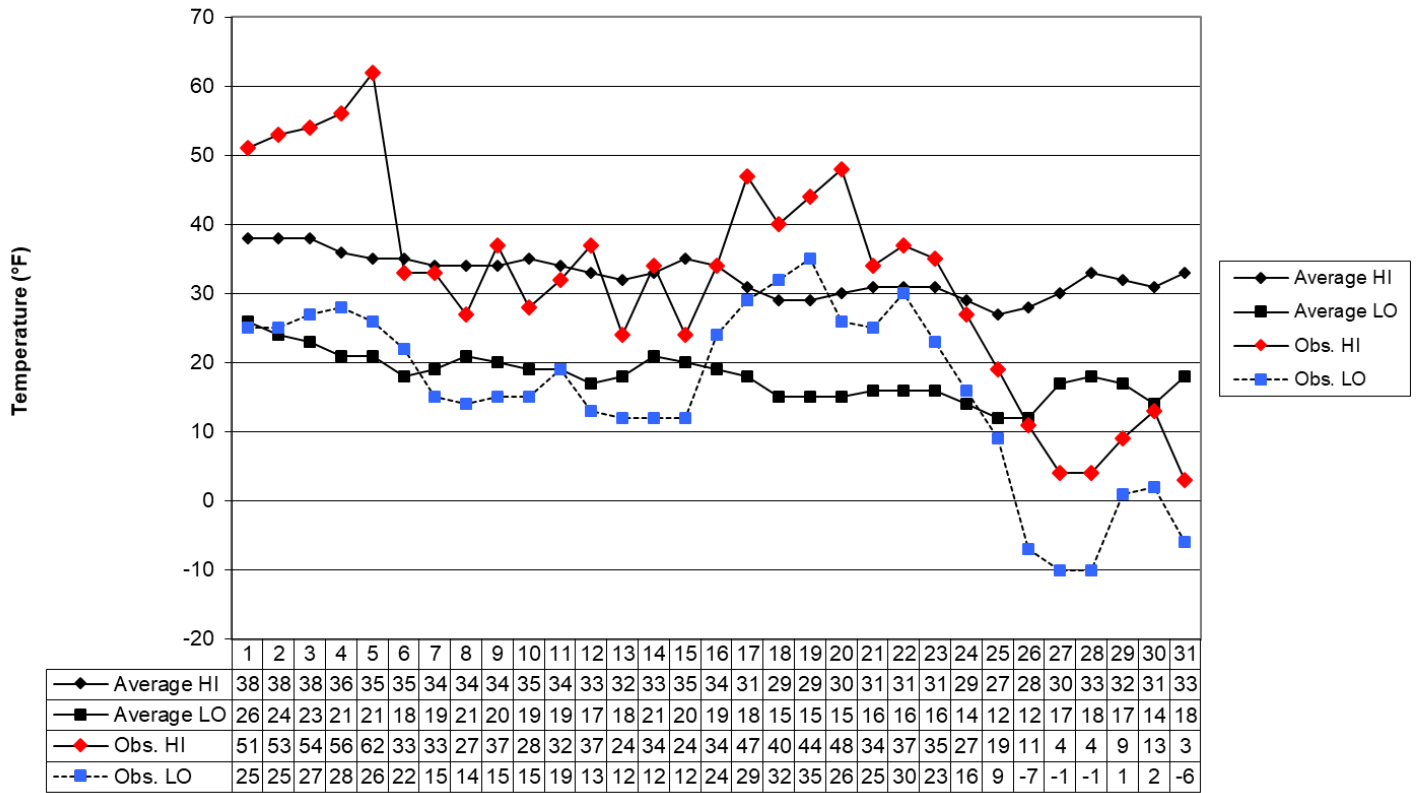
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 John Anderson — Weather Directors

This summary was prepared by John Anderson, 10 January 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.**

**December 2017 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by John Anderson, NIU Weather Director



Day