

# MONTHLY CLIMATE SUMMARY, DECEMBER 2014

## NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	HDD	CDD	Precip. (in)	Snowfall (in)
1	63	4	38	26	40	17	28.5	0	36.5	0	0	0
2	64	-5	38	24	19	12	15.5	0	49.5	0	0	0
3	66	-14	38	23	32	18	25	0	40	0	0	0
4	69	-4	36	21	38	20	29	0	36	0	0	0
5	64	-4	35	21	33	23	28	0	37	0	0	0
6	65	-7	35	18	38	29	33.5	0	31.5	0	T	0
7	66	-9	34	19	38	25	31.5	0	33.5	0	0	0
8	63	-8	34	21	38	25	31.5	0	33.5	0	0.05	0
9	59	-18	34	20	36	30	33	0	32	0	0.14	T
10	56	-18	35	19	34	28	31	0	34	0	0	0
11	60	-15	34	19	29	22	25.5	0	39.5	0	T	T
12	55	-10	33	17	32	22	27	0	38	0	T	T
13	60	-19	32	18	37	26	31.5	0	33.5	0	T	T
14	58	-12	33	21	43	37	40	0	25	0	0	0
15	59	-14	35	20	46	40	43	0	22	0	T	0
16	58	-17	34	19	44	40	42	0	23	0	0.12	0
17	57	-13	31	18	43	22	32.5	0	32.5	0	0.02	0
18	56	-12	29	15	25	20	22.5	0	42.5	0	T	T
19	55	-17	29	15	25	20	22.5	0	42.5	0	0	0
20	57	-19	30	15	29	21	25	0	40	0	0	0
21	57	-18	31	16	30	26	28	0	37	0	0.01	T
22	55	-12	31	16	36	30	33	0	32	0	T	T
23	58	-17	31	16	45	30	37.5	0	27.5	0	0.35	T
24	55	-22	29	14	46	33	39.5	0	25.5	0	0	0
25	60	-13	27	12	36	31	33.5	0	31.5	0	0.01	0
26	56	-22	28	12	43	32	37.5	0	27.5	0	0	0
27	55	-20	30	17	50	34	42	0	23	0	T	0
28	64	-24	33	18	47	19	33	0	32	0	0	0
29	63	-12	32	17	34	19	26.5	0	38.5	0	0	0
30	59	-13	31	14	28	6	34	0	48	0	0	0
31	57	-14	33	18	17	1	9	0	56	0	0	0

**Temperature**

1981-2010 AVG. HI: 35.6(F)  
 1981-2010 AVG. LOW: 17.9(F)  
 1981-2010 AVG. TEMP.: 26.8(F)  
 December 2014 AVG. HI: 35.8(F)  
 December 2014 AVG. LO: 24.5(F)  
 December 2014 AVG. TEMP.: 30.6(F)

**Precipitation**

December 2014 TOTAL: 0.7 in.  
 December AVG.: 2.17 in.  
 December 2014 SNOW: Trace  
 December SNOW AVG: 10.0 in.  
 2014 liquid-eq. YEAR TO DATE: 36.01 in.  
 liquid-eq. YEAR TO DATE AVG.: 36.79 in.  
 2014-15 Seasonal SNOW TO DATE: 2.2 in.  
 Seasonal SNOW TO DATE AVG.: 11.2 in.

**Degree Days**

COOLING: 12/14: 0  
 1/14-Now: 655  
 HEATING: 12/14: 1080.5  
 7/14-Now: 2712.5  
 GROWING: 12/14: 0  
 1/14-Now: 2689

**Discussion**

December's average temperature was 30.6°F, which is 3.8 degrees warmer than the historical average. December was the only month in 2014 that had a positive temperature anomaly. December's average high of 35.8 degrees and low of 24.5 degrees were above average. There were 19 days with above average high temperatures and 25 days with above average low temperatures.

Decembers' precipitation total was 0.7 in, which is almost inch and a half below the average precipitation for December. The average snow total for December is 10 inches, but in December 2014 there was only a trace amount of snow recorded. The 2014-15 snow to date remains at 2.2 in, which is nine inches below the seasonal average for snowfall. The year-to-date liquid equivalent is now 36.01, which is only within an inch below the average year-to-date liquid equivalent.

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Jodi Wright—Weather Director

This summary was prepared by Jodi Wright, 8 January 2015. Forecast information (updated once daily at approx. 7:30 am): (815)762-3230.

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 2014 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by Jodi Wright, NIU Weather Director

