

# MONTHLY CLIMATE SUMMARY, JANUARY 2008

## NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	57	-14	29	16	30	18	24	0	41	0	0.4	5.2
2	56	-16	27	12	18	-4	7	0	58	0	0.11	1
3	58	-17	29	14	14	-5	4.5	0	60.5	0	0	0
4	55	-22	28	10	21	-4	8.5	0	56.5	0	0	0
5	56	-24	26	9	34	20	27	0	38	0	0	0
6	49	-19	26	12	42	34	38	0	27	0	0	0
7	*55	-20	27	11	55	41	48	0	17	0	T	0
8	*62	-19	24	7	62	49	55.5	0	9.5	5.5	0.14	0
9	*53	-14	23	9	53	28	40.5	0	24.5	0	0.24	0
10	56	-25	24	8	35	27	31	0	34	0	0	0
11	55	-22	25	9	42	32	37	0	28	0	0.2	0
12	56	-19	25	10	33	24	28.5	0	36.5	0	0	0
13	55	-17	28	12	39	27	33	0	32	0	0	0
14	57	-18	26	11	29	19	24	0	41	0	T	0
15	54	-21	23	9	22	8	15	0	50	0	0.01	0.1
16	53	-21	25	9	25	9	17	0	48	0	0	0
17	56	-18	27	11	39	21	30	0	35	0	0	0
18	54	-25	28	11	32	4	18	0	47	0	0.04	0.8
19	57	-22	27	9	22	-8	7	0	58	0	0.02	0.3
20	53	-27	27	10	1	-10	-4.5	0	69.5	0	0	0
21	59	-22	27	13	7	-10	-1.5	0	66.5	0	0.01	0.5
22	55	-22	30	16	27	6	16.5	0	48.5	0	0.25	4
23	57	-25	33	16	12	0	6	0	59	0	0	0
24	63	-23	31	15	12	-15	-1.5	0	66.5	0	0.05	1
25	62	-23	29	13	2	-15	-6.5	0	71.5	0	0	0
26	59	-20	27	10	21	-7	7	0	58	0	0.09	1
27	60	-16	27	10	29	4	16.5	0	48.5	0	0	0
28	51	-22	28	11	35	7	21	0	44	0	0	0
29	55	-17	28	11	41	34	37.5	0	27.5	0	0.03	0
30	50	-22	27	13	48	-4	22	0	43	0	T	T
31	52	-16	28	11	11	-4	3.5	0	61.5	0	0	0

\*new or tied record high

**Temperature**

1971-2000 AVG. HI: 27.1°F  
 1971-2000 AVG. LOW: 11.2°F  
 1971-2000 AVG. TEMP: 19.4°F  
 January 2008 AVG. HI: 28.8°F  
 January 2008 AVG. LO: 10.5°F  
 January 2008 AVG. TEMP: 19.7°F

**Precipitation**

January liquid equivalent TOTAL: 1.59 in.  
 January liquid equivalent AVG: 1.57 in.  
 January SNOW: 13.9 in.  
 January SNOWAVG: 9.9 in  
 YEAR TO DATE liquid equivalent: 1.59 in.  
 YEAR TO DATE liquid equivalent AVG: 1.57 in  
 2007-08 SEASONAL SNOW TOTAL: 34.4 in.  
 SEASONAL SNOW AVERAGE TO DATE: 21.7 in.

**Degree Days**

COOLING: 1/08: 0.0  
 1/08-NOW: 0.0  
 HEATING: 1/08: 1405.5  
 07/07-NOW: 2707.0  
 GROWING: 1/08: 5.5  
 1/08-NOW: 5.5

**Discussion**

Temperatures in January 2008 ranged from record breaking highs to sub-zero lows. On January 30<sup>th</sup>, a 52°F diurnal temperature range occurred – the 2<sup>nd</sup> largest diurnal range on record in DeKalb. Three days, January 7<sup>th</sup>-9<sup>th</sup>, tied or broke the record high temperature for that day. Despite the record breaking highs, the average high for January was only 1.7°F warmer than the 1971-2000 climate average. The low temperature reached -15°F on two days, the 24<sup>th</sup> and 25<sup>th</sup>, with nine other days also having lows below zero. The average low for January, however, was only 0.7°F below the 1971-2000 average. Even with the large range of temperatures that occurred in January, the average temperature was only 0.3°F warmer than the 1971-2000 normal temperature.

Only 0.2 inches more liquid equivalent fell than average for January. A total of 0.61 inches of the liquid equivalent occurred as rain. All but eight days in January showed at least a trace of snow on the ground. January 2008 witnessed four more inches of snow than average for the month. For the seasonal year, DeKalb now has had 12.7 inches more snow, with 34.4 inches, than the average (to 1/31) snowfall of 21.7 inches. The 2007-08 seasonal snow to date currently ranks the third highest on record in DeKalb.

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 Simona Olson – 2007-08 Weather Director

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Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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

January 2008 Daily Highs and Lows with 1971 - 2000 Average Highs and Lows

