

MONTHLY CLIMATE SUMMARY, JANUARY 2012

NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
1	57	-14	31	16	40	28	34	0	0	31	0.24	T
2	56	-16	29	15	36	19	27.5	0	0	37.5	0.01	0.1
3	58	-17	31	15	21	9	15	0	0	50	0.01	T
4	55	-22	31	15	26	14	20	0	0	45	0.00	0.0
5	56	-24	30	14	38	24	31	0	0	34	0.00	0.0
6	50*	-19	29	15	50*	24	37	0	0	28	0.00	0.0
7	55	-20	28	14	52	29	40.5	0	0	24.5	0.00	0.0
8	62	-19	28	12	41	24	32.5	0	0	32.5	0.00	0.0
9	53	-14	28	13	39	26	32.5	0	0	32.5	0.00	0.0
10	56	-25	26	12	45	23	34	0	0	31	0.00	0.0
11	55	-22	27	13	51	23	37	0	0	28	0.00	0.0
12	56	-19	29	17	53	28	40.5	0	0	24.5	0.00	0.0
13	55	-17	33	16	28	12	20	0	0	45	0.40	4.5
14	57	-18	27	14	19	11	15	0	0	50	T	T
15	54	-21	25	11	19	8	13.5	0	0	51.5	T	T
16	53	-23	24	10	29	12	20.5	0	0	44.5	0.00	0.0
17	56	-20	26	11	40	28	34	0	0	31	0.01	0.0
18	54	-25	27	9	31	5	18	0	0	47	0.04	0.4
19	57	-22	26	6	25	5	15	0	0	50	0.04	T
20	53	-27	25	9	12	0	6	0	0	59	0.00	0.0
21	59	-22	25	11	13	4	8.5	0	0	56.5	0.42	5.0
22	55	-22	29	15	21	9	15	0	0	50	0.00	0.0
23	57	-25	31	15	40	21	30.5	0	0	34.5	0.20	T
24	63	-23	28	13	38	23	30.5	0	0	34.5	0.01	T
25	62	-23	25	10	32	20	26	0	0	39	0.00	0.0
26	59	-20	26	10	31	20	25.5	0	0	39.5	0.00	0.0
27	60	-16	29	11	36	27	31.5	0	0	33.5	0.00	0.0
28	51	-22	30	12	38	23	30.5	0	0	34.5	0.03	1.0
29	55	-17	29	13	30	22	26	0	0	39	T	0.3
30	50	-22	29	14	29	17	23	0	0	42	0	0.0
31	52	-16	28	12	50	26	38	0	0	27	0.00	0.0

*A NEW RECORD HIGH was recorded on the 6th; the previous record was 46, set in 1946 at the former Sycamore site.

Temperature

1981-2010 AVG. HI: 29.3(F)
 1981-2010 AVG. LOW: 12.7(F)
 1981-2010 AVG. TEMP.: 20.3(F)
 January 2012 AVG. HI: 34.0(F)
 January 2012 AVG. LO: 18.2(F)
 January 2012 AVG. TEMP.: 26.1(F)

Precipitation

January 2012 TOTAL: 1.41 in.
 January AVG.: 1.47 in.
 January 2012 SNOW: 11.2 in.
 January SNOW AVG: 9.7 in.
 2012 liquid-eq. YEAR TO DATE: 1.41 in.
 liquid-eq. YEAR TO DATE AVG.: 1.41 in.
 2011-12 Seasonal SNOW TO DATE: 13.7 in.
 Seasonal SNOW TO DATE AVG.: 20.9 in.

Degree Days

COOLING: 1/12: 0
 1/12-Now: 0
 HEATING: 1/12: 1206.5
 7/11-Now: 3552
 GROWING: 1/12: 0
 1/12-Now: 0

Discussion

Temperatures above the historical (30-year, 1981-2010) averages were common in January 2012. The monthly mean temperature of 26.1 degrees was some 5.8 degrees above the historical-average value of 20.3 degrees and was the highest value since 2006, when the mean temperature was 32.3 degrees. The month began with seasonable cold, followed by record warmth on the 6th and 7th. Then, temperatures were above to much above normal until around the 13th. Temperatures within several degrees either side of historical averages (but mainly above) prevailed thereafter through much of the rest of the month. The coldest temperatures occurred between the 19th and 22nd. Near-record warmth ended the month.

January featured a liquid-equivalent-precipitation total near the historical average. This total of 1.41 in. was some 96 percent of the historical average of 1.47 in. Despite the generally above-normal temperatures, snowfall totaled 11.2 in., which is some 115 percent of the historical average of 9.7 in. Liquid-equivalent exhibited fairly even temporal distribution. In terms of frozen precipitation (essentially entirely snow in this case), temporal distribution was not as even, as 9.5 in. occurred in two events, one on the 12th and the other on the 20th.

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This summary was prepared by Daniel J. Brouillette, 31 January 2012. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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January 2012 Daily Highs and Lows with 1981-2010 Average Highs and Lows

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