

MONTHLY CLIMATE SUMMARY, JANUARY 2013

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	30	7	18.5	0	0	46.5	0	0
2	56	-16	29	15	18	6	12	0	0	53	0	0
3	58	-17	31	15	31	7	19	0	0	46	0	0
4	55	-22	31	15	26	10	18	0	0	47	0	0
5	56	-24	30	14	32	10	21	0	0	44	0	0
6	50	-19	29	15	35	12	23.5	0	0	41.5	T	T
7	55	-20	28	14	28	14	21	0	0	44	0	0
8	62	-19	28	12	39	16	27.5	0	0	37.5	0	0
9	53	-14	28	13	39	27	33	0	0	32	0	0
10	56	-25	26	12	45	25	35	0	0	30	0	0
11	55	-22	27	13	47	29	38	0	0	27	1.08	0
12	56	-19	29	17	49	44	46.5	0	0	18.5	T	0
13	55	-17	33	16	49	20	34.5	0	0	30.5	0.31	0.6
14	57	-18	27	14	21	8	14.5	0	0	50.5	0	0
15	54	-21	25	11	22	7	14.5	0	0	50.5	0	0
16	53	-23	24	10	28	11	19.5	0	0	45.5	0	0
17	56	-20	26	11	33	15	24	0	0	41	0	0
18	54	-25	27	9	26	17	21.5	0	0	43.5	0	0
19	57	-22	26	6	40	20	30	0	0	35	0	0
20	53	-27	25	9	46	10	28	0	0	37	0	0
21	59	-22	25	11	17	7	12	0	0	53	T	T
22	55	-22	29	15	9	-4	2.5	0	0	62.5	0	0
23	57	-25	31	15	11	-4	3.5	0	0	61.5	0	0
24	63	-23	28	13	18	2	10	0	0	55	T	0.3
25	62	-23	25	10	19	2	10.5	0	0	54.5	0.06	0.8
26	59	-20	26	10	29	7	18	0	0	47	T	T
27	60	-16	29	11	25	7	16	0	0	49	0	0
28	51	-22	30	12	40	24	32	0	0	33	0.5	0
29	55	-17	29	13	55	38	46.5	0	0	18.5	0.13	0
30	61*	-22	29	14	61	34	47.5	0	0	17.5	1.1	0
31	52	-16	28	12	35	12	23.5	0	0	41.5	0.3	0.7

*A NEW RECORD HIGH was recorded on the 30th; the previous record was 50.

Temperature

1981-2010 AVG. HI: 29.3(F)
 1981-2010 AVG. LOW: 12.7(F)
 1981-2010 AVG. TEMP.: 20.3(F)
 January 2013 AVG. HI: 32.4(F)
 January 2013 AVG. LO: 14.2(F)
 January 2013 AVG. TEMP.: 23.3(F)

Precipitation

January 2013 TOTAL: 3.48 in.
 January AVG.: 1.47 in.
 January 2013 SNOW: 2.4in.
 January SNOW AVG: 9.7 in.
 2013 liquid-eq. YEAR TO DATE: 3.48in.
 liquid-eq. YEAR TO DATE AVG.: 1.41 in.
 2012-13 Seasonal SNOW TO DATE: 2.9 in.
 Seasonal SNOW TO DATE AVG.: 20.9 in.

Degree Days

COOLING: 1/13: 0
 1/13-Now: 0
 HEATING: 1/13: 1293.5
 7/12-Now: 3476.5
 GROWING: 1/13: 0
 1/13-Now: 0

Discussion

January's mean temperature of 23.3°F was three degrees warmer than the historical normal. January started out with high temperatures above the daily averages, ranging from lower 30s to upper 40s. Most of January included high temperatures that were within the middle to upper 20's, with the highest temperature recorded on January 30th at 61°F; this setting a new high record for that day exceeding the previous record of 50°F. The lowest temperature for January was recorded on both the 22nd and 23rd at -4°F. Comparing January historical rankings for mean temperature (1966-2013), 2013 ranked as the thirteenth warmest with a mean temperature at 23.3°F. The warmest January was 2006, with a mean temperature of 32.3°F. Liquid Equivalent precipitation total for the month of January was 3.48 in. In comparison to the historical records extending to 1966, January's total ranks 2nd wettest month; the wettest January was in 1974 at 4.08in. Total snowfall for January was 2.4in. Comparing January historical rankings for snowfall (1966-2013), 2013 ranked 5th lowest snowfall amount for the month of January.

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This summary was prepared by John Barmann, 4 February 2013. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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January 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by John Barmann, NIU Weather Director

