

MONTHLY CLIMATE SUMMARY, DECEMBER 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	63	4	38	26	51	33	42	0	0	23	0	0
2	64	-5	38	24	57	34	45.5	0	0	19.5	T	0
3	66	-14	38	23	62	44	53	3	0	12	0	0
4*	69	-4	36	21	69	43	56	6	0	9	0.07	0
5	64	-4	35	21	56	24	40	0	0	25	0	0
6	65	-7	35	18	38	23	30.5	0	0	34.5	0	0
7	66	-9	34	19	44	31	37.5	0	0	27.5	0.09	0
8	63	-8	34	21	41	32	36.5	0	0	28.5	0.13	0
9	59	-18	34	20	39	32	35.5	0	0	29.5	0.08	T
10	56	-18	35	19	38	27	32.5	0	0	32.5	0.08	0
11	60	-15	34	19	32	18	25	0	0	40	T	T
12	55	-10	33	17	34	18	26	0	0	39	0	0
13	60	-19	32	18	42	23	32.5	0	0	32.5	0	0
14	58	-12	33	21	46	27	36.5	0	0	28.5	0	0
15	59	-14	35	20	45	27	36	0	0	29	0.02	0
16	58	-17	34	19	47	38	42.5	0	0	22.5	0.32	0
17	57	-13	31	18	39	32	35.5	0	0	29.5	0	0
18	56	-12	29	15	34	29	31.5	0	0	33.5	0	0
19	55	-17	29	15	38	29	33.5	0	0	31.5	T	T
20	57	-19	30	15	41	29	35	0	0	30	0.45	0
21	57	-18	31	16	45	19	32	0	0	33	0.5	0.1
22	55	-12	31	16	23	11	17	0	0	48	0	0
23	58	-17	31	16	29	11	20	0	0	45	0	0
24	55	-22	29	14	28	16	22	0	0	43	0	0
25	60	-13	27	12	29	15	22	0	0	43	T	T
26	56	-22	28	12	27	14	20.5	0	0	44.5	0	0
27	55	-20	30	17	30	23	26.5	0	0	38.5	T	T
28	64	-24	33	18	28	23	25.5	0	0	39.5	T	0
29	63	-12	32	17	29	23	26	0	0	39	0.06	0.4
30	59	-13	31	14	29	10	19.5	0	0	45.5	T	T
31	57	-14	33	18	33	9	21	0	0	44	0	0

***New Record High Temp**

Temperature

1981-2010 AVG. HI: 35.6(F)
 1981-2010 AVG. LOW: 17.9(F)
 1981-2010 AVG. TEMP.: 25.3(F)
 December 2012 AVG. HI: 39.4(F)
 December 2012 AVG. LO: 24.7(F)
 December 2012 AVG. TEMP.: 32.9(F)

Precipitation

December 2012 TOTAL: 1.80 in.
 December AVG.: 2.17 in.
 December 2012 SNOW: 0.50 in.
 December SNOW AVG: 10.0 in.
 2012 liquid-eq. YEAR TO DATE: 24.24 in.
 liquid-eq. YEAR TO DATE AVG.: 36.79 in.
 2011-12 Seasonal SNOW TO DATE: 0.50 in.
 Seasonal SNOW TO DATE AVG.: 11.2 in.

Degree Days

COOLING: 12/12: 0
 1/12-Now: 1080.5
 HEATING: 12/12: 1020
 7/12-Now: 2183
 GROWING: 12/12: 9
 1/12-Now: 3411.5

Discussion

December's mean temperature of 32.9°F was more than five degrees warmer than the historical normal. December started out with high temperatures above the daily averages, ranging from lower 50s to upper 60s. Most of December included high temperatures that were within the middle to upper 40's, with the highest temperature recorded on December 4th at 69°F. The lowest temperature for December was recorded on the 31st at 9°F. Comparing December historical rankings for mean temperature (1966-2012), 2012 ranked as the second warmest with a mean temperature at 32.9°F. The warmest December was 1982, with a mean temperature of 35.3°F. Liquid Equivalent precipitation total for the month of December was 1.80 in. In comparison to the historical records extending to 1966, December's total ranks 21st driest month; the driest December was in 1976 at 0.35in. Total snowfall for December was 0.50in. Comparing December historical rankings for snowfall (1966-2013), 2012 ranked 2nd lowest snowfall amount for the month of December.

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This summary was prepared by John Barmann, 5 January 2013. 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 2012 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by John Barmann, NIU Weather Director

