

MONTHLY CLIMATE SUMMARY, DECEMBER, 2009

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	63	4	37	25	41	30	35.5	0	29.5	0	0	0
2	64	-5	38	23	55	30	42.5	0	22.5	0	0	0
3	66	-14	38	23	41	30	35.5	0	29.5	0	T	T
4	60	-4	37	22	33	20	12	0	53	0	0.01	0.3
5	64	-4	38	24	25	19	22	0	43	0	0	0
6	65	-7	37	22	33	20	26.5	0	38.5	0	0	0
7	66	-9	35	21	33	22	27.5	0	37.5	0	0.03	0.6
8	63	-8	34	22	30	24	27	0	38	0	0.07	1.1
9	59	-18	34	19	32	25	28.5	0	36.5	0	0.73	3
10	56	-18	33	18	31	-4	13.5	0	51.5	0	0.6	0.4
11	60	-15	32	17	8	-1	3.5	0	61.5	0	0	0
12	55	-10	34	18	17	1	9	0	56	0	0	0
13	60	-19	33	19	34	15	24.5	0	40.5	0	0.05	0
14	58	-12	35	21	34	32	33	0	32	0	0	0
15	59	-14	37	22	35	10	22.5	0	42.5	0	0	0
16	58	-17	35	20	13	1	7	0	58	0	0	0
17	57	-13	31	17	20	2	11	0	54	0	0	0
18	56	-12	30	15	32	20	26	0	39	0	T	T
19	55	-17	30	18	33	27	30	0	35	0	0.08	0.4
20	57	-19	32	16	30	25	27.5	0	37.5	0	T	T
21	57	-18	31	16	28	22	25	0	40	0	0.02	0.3
22	55	-12	31	15	28	24	26	0	39	0	0.24	3.2
23	58	-17	32	18	31	26	28.5	0	36.5	0	0.08	1.2
24	55	-22	32	17	32	30	31	0	34	0	0.61	T
25	60	-13	28	13	39	32	35.5	0	29.5	0	1.27	0
26	56	-22	27	13	39	16	27.5	0	37.5	0	0.08	2
27	55	-20	30	15	22	16	19	0	46	0	0.21	6.1
28	64	-24	32	16	24	14	19	0	46	0	0.08	0.5
29	63	-12	32	16	28	2	15	0	50	0	0	0
30	59	-13	30	14	19	2	10.5	0	54.5	0	0	0
31	57	-14	30	16	30	19	24.5	0	40.5	0	0.03	0.9

Temperature

1971-2000 AVG. HI: 33.0°F
 1971-2000 AVG. LOW: 18.3°F
 1971-2000 AVG. TEMP: 25.9°F
 December 2009 AVG. HI: 29.06°F
 December 2009 AVG. LO: 17.77°F
 December 2009 AVG. TEMP: 23.42°F

Precipitation

December TOTAL: 4.19 in
 December AVG: 2.18 in.
 SNOW: 20 in.
 December SNOW AVG: 9.5 in.
 YEAR TO DATE: 47.81 in.
 YEAR TO DATE AVG: 37.40 in.

Degree Days

COOLING: 12/09: 0
 1/09-Now: 420.5
 HEATING: 12/09: 1289
 7/09-Now: 2637
 GROWING: 12/09: 0
 1/09-Now: 2433.5

Discussion

December 2009 was a slightly colder month than usual. All of the average temperatures for 2009 were below the 30 year averages. The December 2009 average high temperature ranks 9th all time for coolest average high temperature. There were seven days throughout the month when the temperature fell into single digits, and two days when the temperature fell below zero.

December 2009 was another month that experienced above average precipitation. The 2009 total was more than 2 inches over the December average. December 2009 was also the 5th wettest December on record. There was an 11 day period toward the end of the month when 2.67 inches of liquid equivalent precipitation and 13.7 inches of snow fell in DeKalb. The total snow for December 2009 was 20 inches which is more than double the average for DeKalb. The year to date total for DeKalb is 47.81 inches; that is more than 10 inches over the average annual precipitation for DeKalb. The year of 2009 ranks 5th highest all time for annual precipitation.

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

December 2009 Daily Highs and Lows with 1971-2000 Average Highs and Lows

