

MONTHLY CLIMATE SUMMARY, February, 2008

NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average			Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
			HI	Average LO									
1	65	-18	30	13	24	10	17	0	48	0	0.60	7.5	
2	47	-20	29	14	28	22	25	0	40	0	0.00	0.0	
3	52	-23	30	15	27	22	25	0	40.5	0	0.00	0.0	
4	54	-18	29	13	31	22	27	0	38.5	0	0.22	3.5	
5	58	-20	27	11	42	31	37	0	28.5	0	0.34	0.0	
6	55	-15	26	12	33	31	32	0	33	0	0.30	1.0	
7	52	-16	27	9	31	20	26	0	39.5	0	0.33	2.5	
8	56	-16	27	10	27	19	23	0	42	0	0.03	0.2	
9	59	-26	28	10	34	26	30	0	35	0	0.01	0.0	
10	55	-21	31	14	30	-7	12	0	53.5	0	0.00	0.0	
11	60	-15	32	16	1	-7	-3	0	68	0	0.00	0.0	
12	55	-21	33	15	13	-4	5	0	60.5	0	0.07	0.6	
13	59	-26	31	15	20	1	11	0	54.5	0	0.07	1.1	
14	60	-12	33	17	20	1	11	0	54.5	0	0.00	0.0	
15	64	-17	34	19	32	8	20	0	45	0	T	T	
16	56	-14	34	17	16	4	10	0	55	0	0.00	0.0	
17	57	-16	33	18	39	5	22	0	43	0	0.72	0.0	
18	56	-21	35	21	41	17	29	0	36	0	0.36	T	
19	66	-17	38	22	17	-1	8	0	57	0	T	T	
20	62	-25	40	23	12	-1	6	0	59.5	0	0.02	0.3	
21	65	-11	40	24	13	1	7	0	58	0	0.00	0.0	
22	64	-13	39	23	21	8	15	0	50.5	0	0.01	0.1	
23	69	-12	39	24	26	12	19	0	46	0	0.00	0.0	
24	62	-11	39	22	28	13	21	0	44.5	0	0.00	0.0	
25	66	-12	36	20	35	14	25	0	40.5	0	T	T	
26	69	-11	38	20	32	25	29	0	36.5	0	0.61	4.5	
27	68	-6	40	22	26	13	20	0	45.5	0	T	T	
28	63	-5	40	23	22	4	13	0	52	0	0.00	0.0	
29	59	-13	39	23	31	6	18.5	0	46.5	0	0.12	1.4	

Temperature

1971-2000 AVG. HI: 33.5(F)
 1971-2000 AVG. LOW: 17.2(F)
 1971-2000 AVG. TEMP: 25.6(F)
 February 2008AVG. HI: 25.9(F)
 February 2008 AVG. LO: 10.9(F)
 February 2008 AVG. TEMP: 18.4(F)

Precipitation

February liquid equivalent TOTAL: 3.81 in.
 February liquid equivalent AVG: 1.40 in.
 February SNOW: 22.7 in.
 February AVG SNOW: 7.4 in.
 liquid equivalent YEAR TO DATE: 5.40 in.
 liquid equivalent YEAR TO DATE AVG: 2.97 in.
 2007-08 Seasonal SNOW TO DATE: 57.1 in.
 2007-08 Seasonal SNOW AVG: 29.1 in.

Degree Days

COOLING: 2/08: 0
 Y.T.D: 0
 HEATING: 2/08: 1351.5
 7/07-Now: 4058.5
 GROWING: 2/08: 0
 Y.T.D: 5.5

Discussion

Overall, February 2008 was a very cold and wet. The average high was the 4th coldest on record at 7.6°F below the 1971-2000 average high. The February average high was so cool that it was a mere 0.3°F warmer than the 1971-2000 average temperature for February. The average temperature for February 2008 was the 6th coldest on record, 7.2°F cooler than the 1971-2000 average temperature. The average low for February 2008 was the 8th coldest and below the 1971-2000 average low by 6.3°F.

The 3.81 inches of liquid equivalent precipitation that fell in February 2008 placed as the 2nd most on record. The amount of liquid precipitation that occurred more than doubled, and came close to tripling, the 1971-2000 average liquid precipitation for February. A total of 22.7 inches of snow fell in February 2008 making this February the 2nd snowiest on record. The seasonal snow to date for 2007-08 also ranks as the 2nd snowiest on record for the seasonal snowfall to date (ending in February). The snowiest season on record is 1978-79 when 80.3 inches of snow fell.

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Dr. Walker Ashley-Guest Observer

Simona Olson-Weather Director

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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.

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

