

MONTHLY CLIMATE SUMMARY, JANUARY, 2007 **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	57	-14	29	16	52	33	42.5	0	22.5	0	0.05	0.0
2	56	-16	27	12	41	23	32	0	33	0	0.00	0.0
3	58	-17	29	14	39	23	31	0	34	0	0.00	0.0
4	55	-22	28	10	46	30	38	0	27	0	0.00	0.0
5	56	-24	26	9	47	35	41	0	24	0	0.15	0.0
6	49	-19	26	12	48	33	40.5	0	24.5	0	0.00	0.0
7	49	-20	27	11	42	28	35	0	30	0	0.00	0.0
8	56	-19	24	7	41	23	32	0	33	0	0.01	0.0
9	53	-14	23	9	37	23	30	0	35	0	0.00	0.0
10	56	-25	24	8	32	16	24	0	41	0	0.00	0.0
11	55	-22	25	9	33	16	24.5	0	40.5	0	0.00	0.0
12	56	-19	25	10	44	33	38.5	0	26.5	0	0.01	0.0
13	55	-17	28	12	41	25	33	0	32	0	0.03	0.0
14	57	-18	26	10	29	25	27	0	38	0	0.05	0.5
15	54	-21	23	9	31	24	27.5	0	37.5	0	0.41	0.6
16	53	-21	25	9	25	6	15.5	0	49.5	0	0.05	1.0
17	56	-18	27	11	17	2	9.5	0	55.5	0	0.00	0.0
18	54	-25	28	11	26	3	14.5	0	50.5	0	0.01	0.1
19	57	-22	27	9	29	15	22	0	43	0	0.02	0.5
20	53	-27	26	10	25	7	16	0	49	0	0.00	0.0
21	59	-22	27	13	24	7	15.5	0	49.5	0	0.09	1.9
22	55	-27	30	16	27	24	25.5	0	39.5	0	0.10	0.1
23	57	-22	33	16	27	21	24	0	41	0	0.00	0.0
24	63	-22	31	15	25	20	22.5	0	42.5	0	0.00	0.0
25	62	-25	29	13	24	9	16.5	0	48.5	0	T	T
26	59	-23	27	10	22	9	15.5	0	49.5	0	0.00	0.0
27	60	-16	27	10	41	18	29.5	0	35.5	0	0.00	0.0
28	51	-22	28	11	27	4	15.5	0	49.5	0	0.01	1.0
29	55	-17	28	11	21	3	12	0	53	0	0.00	0.0
30	50	-22	27	13	25	4	14.5	0	50.5	0	0.02	1.0
31	52	-16	28	11	15	0	7.5	0	57.5	0	0.00	0.0

Temperature

1971-2000 AVG. HI: 27.0(F)
 1971-2000 AVG. LOW: 11.2(F)
 1971-2000 AVG. TEMP: 19.1(F)
 January 2007 AVG. HI: 32.9(F)
 January 2007 AVG. LO: 18.1(F)
 January 2007 AVG. TEMP: 25.5(F)

Precipitation

January TOTAL: 1.01 in
 January AVG: 1.57 in.
 SNOW: 6.7 in.
 YEAR TO DATE: 1.01 in
 YEAR TO DATE AVG: 1.57 in

Degree Days

COOLING: 1/07: 0
 1/07-Now: 0
 HEATING: 1/07: 1185
 7/06-Now: 3715.5
 GROWING: 1/07: 0
 1/07-Now: 0

Discussion

January 2007's average temperature was 6.4°F above normal. This well above average monthly temperature was due to the exceptionally warm first half of the month. At the beginning of the month, a few days were within several degrees of record highs. At no time during the month did any temperature approach a record low. After the 15th, cold, Arctic air masses were ushered in by moderate northwesterly flow returning us to more seasonable temperatures. The overall weather pattern was not conducive to extreme rates of precipitation during this seasonably dry month, with total precipitation about two-thirds the monthly average. Warmer temperatures at the beginning of the month prevented any measurable snowfall until after the 13th. The "Siberian Express" ushered in a bone-chilling end of month, with temperatures well below average. Overall, January 2007 was the 9th warmest January on record, with an average temperature of 25.5°F; currently, January 2006 holds the number one spot, with an average of 32.2°F.

Please visit the NIU-NWS Cooperative Weather Station web site at climate.niu.edu for current weather conditions at four stations throughout the NIU community, a web cam overlooking the quad east of Davis Hall, and historical climate data.

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January 2007 Daily Highs and Lows with 1971-2000 Average Highs and Lows

