## MONTHLY CLIMATE SUMMARY, FEBRUARY 2001 NIII WEATHER SERVICE, DEKALR II.

Эy (	Record Hi (F)	Record Lo	Average Hi (1895-1995) (F)	Average Low (1895-1995) (F)	Observed Hi (F)	Observed Lo	Observed Avg Daily Temp (F)	CD	ан	Precip (in.)	Snow- fall (in)
1	65	-18	30	13	33	14	23.5	0	41.5	0	0
2	47	-20	30	13	23	-7	8	0	57	Т	T
3	52	-23	29	13	15	-7	4	0	61	0.01	0.2
4	54	-18	28	11	30	15	22.5	0	42.5	0.04	0.6
5	58	-20	27	11	33	21	27	0	38	0.01	0.2
6	55	-15	27	10	33	23	28	0	37	T	Ţ
7	52	-16	27	10	30	9	19.5	0	45.5	Ö	0
8	56	-16	27	11	37	9	23	0	42	0.05	T
9	59	-26	28	11	46	34	40	0	25	0.82	0
10	55	-21	29	12	34	6	20	0	45	0.32	1.3
11	60	-15	30	14	15	6	10.5	0	54.5	0	0
12	55	-21	31	15	26	9	17.5	0	47.5	0	0
13	59	-26	32	15	36	20	28	0	37	0	0
14	60	-12	33	16	35	30	32.5	0	32.5	0.08	0
15	64	-17	33	17	33	23	28	0	37	0.05	Т
16	56	-14	34	18	32	25	28.5	0	36.5	0	0
17	57	-16	36	19	25	2	13.5	0	51.5	Т	T
18	56	-21	37	20	16	2	9	0	56	0	0
19	66	-17	38	21	27	6	16.5	0	48.5	0	0
20	62	-25	38	22	40	26	33	0	32	T	Т
21	65	-11	38	22	31	7	19	0	46	0	0
22	64	-13	37	21	18	7	12.5	0	52.5	0.02	0.3
23	69	-12	37	20	25	11	18	0	47	T	T
24	62	-11	36	19	32	11	21.5	0	43.5	0.22	T
25	66	-12	37	19	49	32	40.5	0	24.5	0.8	0
26	69	-11	37	20	33	20	26.5	0	38.5	0	0
27	68	-6	38	20	38	19	28.5	0	36.5	0	0
28	63	-5	39	22	23	8	15.5	0	49.5	0	0

Temperature

1896-1995 AVG. HI: 32.7(F) 1896-1995 AVG. LOW: 16.0(F) 1896-1995 AVG. TEMP: 24.6(F) FEBRUARY AVG. HI: 30.3(F) FEBRUARY 2001 AVG. LO: 13 6(F) FEBRUARY 2001 AVG TEMP: 21.9(F)

Precipitation FEBRUARY AVG: 1.21in. FEBRUARY TOTAL: 2.42in. SNOW: 2.6in YEAR TO DATE: 4.29in. YEAR TO DATE AVG: 2.64in. Degree Days

COOLING: 2/01. 0 1/01-Nov: 0 HEATING: 2/01: 1205.5

7/00-Now: 5886.5

## DISCUSSION

February 2001 was characterized by cold and wet weather conditions. Normally when cold and wet conditions persist in the month of February, snowfall totals are very significant. However, during February 2001 only 2.6" of snow fell. Most of the month's precipitation fell during two storm systems, both of which found the DeKalb area within the "warm sector" of the system leading to the influence of warm southerly flow. The first major system occurred on the 9th and 10th, and brought 1.14" of precipitation to the DeKalb area. The precipitation was mostly rain, but ended with 1.3" of snow. The second major system began spreading frozen precipitation over the area on the 24th, producing a significant icing before changing to rain with embedded thundershowers during the day. Rain fell steadily for the rest of the day leaving a storm total of 1.02" of precipitation. As the low-pressure center strengthened and lifted out of the area, a tight pressure gradient behind the storm produced 30 - 50 mph winds on the 25th. The February 2001 total precipitation of 2.42" was twice the February average of 1.12". Temperature-wise, February 2001 proved to be 2.6 degrees cooler than average, despite 9 out of 11 days with a maximum temperature at or above average during a stretch from the 4<sup>th</sup> - 15<sup>th</sup>. The 13-day stretch of 16<sup>th</sup> - 28<sup>th</sup> produced only 3 days with a maximum temperature at or above average. The 40-degree mark was reached on only 3 days during February 2001. This compared to 9 days with temperature of at least 40 degrees in February 2000, which was 4.9 degrees above average. The spring season is on the horizon, meaning longer days and warmer temperatures. The average temperature during the month of March increases 12 degrees from the beginning of the month to the end. But, as winter tries to hold on, the result will be a roller coaster ride of temperatures and precipitation in all forms, from snow and sleet to severe thunderstorms.

Sparks, Senior Weather Director/Cooperative Observer, NIU ner Office: (815) 753-0578

Forecast Information (updated once daily at approx. 7:30 am): (815) 753-1623

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