

MONTHLY CLIMATE SUMMARY, FEBRUARY 2020

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	65	-16	32	15	34	26	30	0	35	0	0.11	1.3
2	47	-17	31	16	38	31	34.5	0	30.5	0	0	0
3	49	-23	30	16	45	27	36	0	29	0	0	0
4	54	-22	29	13	44	30	37	0	28	0	0	0
5	51	-17	27	11	31	21	26	0	39	0	0	0
6	53	-15	28	14	29	22	25.5	0	39.5	0	0.06	0.8
7	46	-16	30	14	30	10	20	0	45	0	0.02	0.4
8	53	-12	30	14	35	16	25.5	0	39.5	0	T	T
9	59	-11	31	15	32	21	26.5	0	38.5	0	T	T
10	55	-14	31	15	34	18	26	0	39	0	0.1	1
11	58	-13	30	15	31	13	22	0	43	0	0	0
12	68	-13	31	13	31	18	24.5	0	40.5	0	0	0
13	55	-7	31	14	33	12	22.5	0	42.5	0	0.27	4.1
14	56	-11	32	16	13	-11	1	0	64	0	0	0
15	60	-10	34	17	17	-10	3.5	0	61.5	0	0	0
16	55	-7	32	17	30	17	23.5	0	41.5	0	T	T
17	56	-7	33	17	36	18	27	0	38	0	0	0
18	55	-4	34	19	36	31	33.5	0	31.5	0	0.03	T
19	56	-12	37	19	32	12	22	0	43	0	0	0
20	59	-11	38	23	24	5	14.5	0	50.5	0	0	0
21	57	-3	39	23	19	4	11.5	0	53.5	0	0	0
22	61	-2	38	23	34	12	23	0	42	0	0	0
23	58	-9	37	22	45	23	34	0	31	0	0	0
24	62	-11	37	21	51	27	39	0	26	0	0	0
25	62	-11	36	20	41	31	36	0	29	0	0	0
26	69	-4	37	20	35	23	29	0	36	0	0.09	1.2
27	68	-9	38	21	28	18	23	0	42	0	T	T
28	63	-9	37	21	30	16	23	0	42	0	T	T
29	61	-13	41	20	28	12	20	0	45	0	T	T

Temperature

1981-2010 AVG. HI: 33.0 (F)
 1981-2010 AVG. LOW: 17.0 (F)
 1981-2010 AVG. TEMP.: 25.0 (F)
 February 2020 AVG. HI: 32.6 (F)
 February 2020 AVG. LO: 17.0 (F)
 February 2020 AVG. TEMP.: 24.8 (F)

Precipitation

February 2020 TOTAL: 0.68 in.
 February AVG.: 1.55 in.
 February 2020 SNOW: 8.8 in.
 February SNOW AVG: 7.3 in.
 2020 liquid-eq. YEAR TO DATE: 3.36 in.
 liquid-eq. YEAR TO DATE AVG.: 3.02 in.
 2019-20 Seasonal SNOW TO DATE: 31.1 in
 Seasonal SNOW TO DATE AVG.: 27.2 in.

Degree Days

COOLING: 2/20: 0
 2/20-Now: 0
 HEATING: 2/20: 1165.5
 7/19-Now: 4453.5
 GROWING: 2/20: 0
 2/20-Now: 0

Discussion

February 2020's average temperature of 24.8°F was just 0.2 degrees below the historical average temperature. The average high of 32.6 degrees was 0.4 degrees below the historical average. The average low was 17.0 degrees, which is exactly average. Although February was slightly below average, there were 19 days where the high temperature was at or above average, and 17 days where the low temperature was at or above normal. There were a couple temperature records broken, the first one on the 14th, when the low temperature bottomed out at -11 degrees, breaking the old record of -6 degrees. The 15th also saw a record low of -10 degrees, breaking the old record of -4 degrees.

February 2020 had 0.68 inches of liquid precipitation, which is just 44% of the February average. February 2020 was the 9th driest February on record for DeKalb since records began in 1966.. The wettest day occurred on the 13th, when 0.27 inches of liquid equivalent precipitation fell. Although it was a dry month, snowfall ran above normal, at 8.8 inches, with the February average being 7.3 inches. The most snow fell on the 13th, when 4.1 inches fell. The 2019-20 seasonal snow to date total now stands at 31.1 inches, which is almost 3.9 inches above the seasonal snow to date average.

February 2020 saw no cooling or growing degree days. February did see 1165.5 heating degree days (HDDs) which brings the total amount of HDDs since July of 2019 to 4453.5.

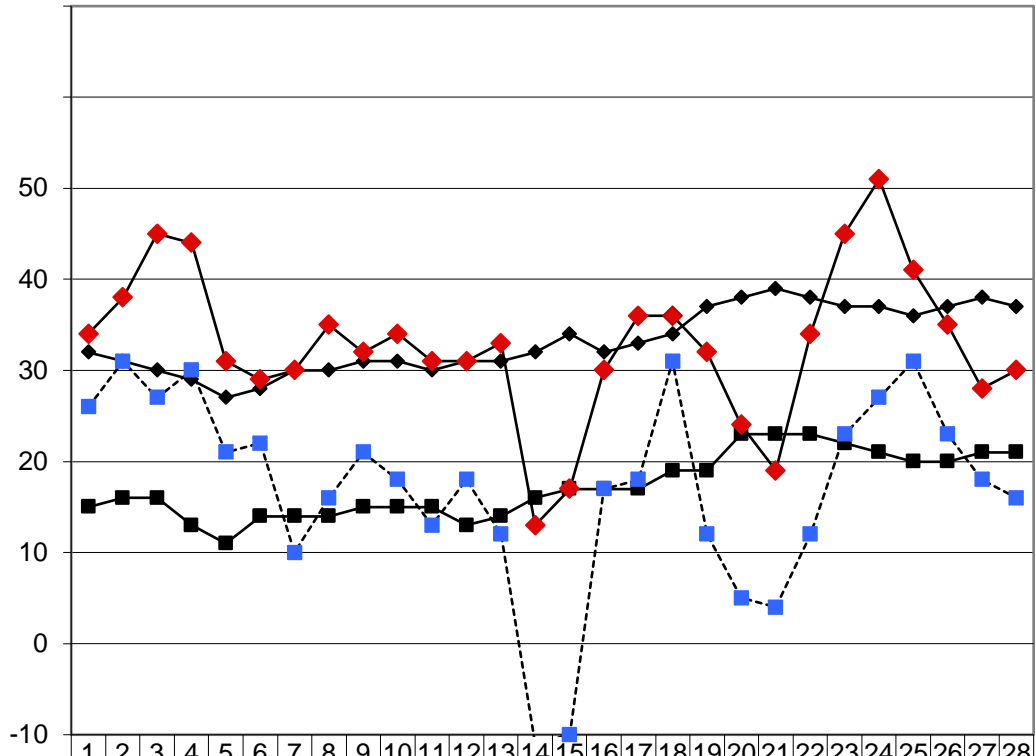
With February marking the end of meteorological winter, the average winter temperature for DeKalb was 27.3 degrees which tied for 14th warmest winter with 1998/99 since 1895. Winter (Dec-Feb) precipitation was 5.02 inches and winter (Dec-Feb) snowfall was 20.6 inches, both of which are in the middle of the historical pack.

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This summary was prepared by Luke Henderson, 21 March 2020. 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.



—◆— Average HI	32	31	30	29	27	28	30	30	31	31	30	31	31	32	34	32	33	34	37	38	39	38	37	37	36	37	38	37
—■— Average LO	15	16	16	13	11	14	14	14	15	15	15	13	14	16	17	17	17	19	19	23	23	23	22	21	20	20	21	21
—◆— Obs. HI	34	38	45	44	31	29	30	35	32	34	31	31	33	13	17	30	36	36	32	24	19	34	45	51	41	35	28	30
- -■- - Obs. LO	26	31	27	30	21	22	10	16	21	18	13	18	12	-1	-1	17	18	31	12	5	4	12	23	27	31	23	18	16

Day