

MONTHLY CLIMATE SUMMARY, FEBRUARY 2019

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
1	65	-26	32	15	3	-26	-11.5	0	0	76.5	0.04	1.3
2	47	-20	31	16	22	3	12.5	0	0	52.5	T	T
3	52	-23	30	16	38	22	30	0	0	35	T	0
4	54	-18	29	13	42	37	39.5	0	0	25.5	T	0
5	58	-20	27	11	44	21	32.5	0	0	32.5	0	0
6	55	-15	28	14	31	21	26	0	0	39	0.49	T
7	52	-16	30	14	32	29	30.5	0	0	34.5	0.27	0
8	56	-16	30	14	35	1	18	0	0	47	0.18	T
9	59	-26	31	15	10	0	5	0	0	60	0	0
10	55	-21	31	15	22	3	12.5	0	0	52.5	0	0
11	60	-15	30	15	27	21	24	0	0	41	0.04	1
12	55	-21	31	13	31	26	28.5	0	0	36.5	0.61	0.8
13	59	-26	31	14	33	8	20.5	0	0	44.5	0.17	1
14	60	-12	32	16	33	8	20.5	0	0	44.5	T	T
15	64	-17	34	17	42	5	23.5	0	0	41.5	T	0
16	56	-14	32	17	16	5	10.5	0	0	54.5	0	0
17	57	-16	33	17	28	9	18.5	0	0	46.5	0.06	1.6
18	64	-21	34	19	27	18	22.5	0	0	42.5	0.12	2.1
19	66	-17	37	19	27	5	16	0	0	49	0	0
20	66	-25	38	23	32	7	19.5	0	0	45.5	0.03	0.8
21	68	-11	39	23	33	20	26.5	0	0	38.5	T	T
22	65	-13	38	23	31	18	24.5	0	0	40.5	0	0
23	67	-12	37	22	39	20	29.5	0	0	35.5	T	0
24	62	-11	37	21	42	32	37	0	0	28	0.36	0
25	66	-12	36	20	32	4	18	0	0	47	0	0
26	69	-11	37	20	15	4	9.5	0	0	55.5	T	T
27	68	-6	38	21	23	12	17.5	0	0	47.5	T	T
28	63	-9	37	21	25	10	17.5	0	0	47.5	0	0

Temperature

1981-2010 AVG HI: 33.0 °F
 1981-2010 AVG LOW: 17.0°F
 1981-2010 AVG TEMP.: 25.0 °F
 February 2019 AVG HI: 29.1°F
 February 2019 AVG LOW: 12.3 °F
 February 2019 AVG TEMP: 20.7 °F

Precipitation

February 2019 TOTAL: 2.37 in.
 February AVG: 1.55 in.
 February 2019 SNOW: 8.6 in.
 February SNOW AVG.: 7.3 in.
 2019 Liquid-Eq. YEAR TO DATE: 4.72 in.
 Liquid-Eq. YEAR TO DATE AVG: 3.02 in.
 2018-2019 Seasonal SNOW TO DATE: 44.2 in.
 Seasonal SNOW TO DATE AVG: 27.2 in.

Degree Days

COOLING: 2/19: 0
 1/19-Now: 0
 HEATING: 2/19: 1241
 7/18-Now: 5373.5
 GROWING: 2/19: 0
 1/19-Now: 0

Discussion

The average temperature of February 2019 was 20.7 degrees, which is 4.3 degrees cooler than the historical average temperature. February 2019's average high of 29.1 degrees was 3.9 degrees colder than the historical average high. The average low temperature of 12.3 degrees was colder than the average by 4.7 degrees. The month of February 2019 had 12 days with above average highs and 19 days with below average lows. February had its highest temperature on the 5th, with a temperature of 44 degrees. One temperature based record was broken on the first of February. The previous record low for this day was -18 degrees, and the new record is -26 degrees.

The precipitation total for February 2019 was 2.37 in., which was 0.82 in. above the average. The 2019 liquid-equivalent year to date now is 4.72 in, which is 1.7 inches above the average. For precipitation, 76 percent occurred in the first half of the month. The snowfall total for February 2019 is 8.6 inches, which is 1.3 inches above average. For snowfall, 48 percent of the snow fell in the first half of the month. No precipitation based records were broken this month.

February saw a total of 0 growing degree days (GDDs) and 0 cooling degree days (CDDs). This keeps the running totals for the year at 0. The month of February 2019 saw 1241 heating degree days (HDDs). This puts the total since 7/18 to 5373.5 heating degree days.

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This summary was prepared by Nick Rodeo, 4 April 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

Climate Website: <http://climate.niu.edu>

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February 2019 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Nicholas Rodeo, NIU Weather Director

