

MONTHLY CLIMATE SUMMARY, JANUARY 2019

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record	Record	Average	Average	Obs.	Obs.	Obs.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO	Avg.					
1	57	-14	31	16	37	27	32	0	0	33	0.6	T
2	56	-16	29	15	27	23	25	0	0	40	T	T
3	58	-17	31	15	28	21	24.5	0	0	40.5	T	0
4	55	-22	31	15	38	21	29.5	0	0	35.5	0	0
5	56	-24	30	14	44	29	36.5	0	0	28.5	0	0
6	50	-19	29	15	48	31	39.5	0	0	25.5	0	0
7	55	-20	28	14	42	32	37	0	0	28	0.18	0
8	62	-19	28	12	52	33	42.5	0	0	22.5	0.35	0
9	53	-14	28	13	43	16	29.5	0	0	35.5	0	0
10	56	-25	26	12	21	13	17	0	0	48	0	0
11	55	-22	27	13	28	13	20.5	0	0	44.5	0	0
12	56	-19	29	17	28	17	22.5	0	0	42.5	0	0
13	55	-17	33	16	29	17	23	0	0	42	0.18	3.4
14	57	-18	27	14	31	14	22.5	0	0	42.5	0	0
15	54	-21	25	11	25	22	23.5	0	0	41.5	T	T
16	53	-23	24	10	32	24	28	0	0	37	T	0
17	56	-20	26	11	32	26	29	0	0	36	T	0
18	54	-25	27	9	33	27	30	0	0	35	T	T
19	57	-22	26	6	27	18	22.5	0	0	42.5	0.28	6.1
20	53	-27	25	9	23	0	11.5	0	0	53.5	T	T
21	59	-22	25	11	8	-3	2.5	0	0	62.5	0	0
22	55	-22	29	15	17	1	9	0	0	56	0	0
23	57	-25	31	15	32	17	24.5	0	0	40.5	0.44	4.8
24	63	-23	28	13	23	3	13	0	0	52	T	0.4
25	62	-23	25	10	21	-13	4	0	0	61	T	T
26	59	-20	26	10	2	-17	-7.5	0	0	72.5	0.03	0.7
27	60	-16	29	11	6	-16	-5	0	0	70	0.05	1.8
28	51	-22	30	12	23	-10	6.5	0	0	58.5	0.22	3.6
29	55	-17	29	13	31	-6	12.5	0	0	52.5	0.02	0.6
30	61	-22	29	14	4	-26	-11	0	0	76	T	0.1
31	52	-16	28	12	-14	-26	-20	0	0	85	0	0

Temperature

1981-2010 AVG HI: 28.0 °F
 1981-2010 AVG LOW: 13.0°F
 1981-2010 AVG TEMP.: 20.5 °F
 January 2019 AVG HI: 26.5 °F
 January 2019 AVG LOW: 10.6 °F
 January 2019 AVG TEMP.: 18.5 °F

Precipitation

January 2019 TOTAL: 2.35 in.
 January AVG: 1.47 in.
 January 2019 SNOW: 21.5 in.
 January SNOW AVG.: 9.7 in.
 2019 Liquid-Eq. YEAR TO DATE: 2.35 in.
 Liquid-Eq. YEAR TO DATE AVG: 1.47 in.
 2018-2019 Seasonal SNOW TO DATE: 35.6 in.
 Seasonal SNOW TO DATE AVG: 20.9 in.

Degree Days

COOLING: 1/19: 0
 1/19-Now: 0
 HEATING: 1/19: 1440.5
 7/18-Now: 4132.5
 GROWING: 1/19: 0
 1/19-Now: 0

Discussion

January of 2019's average temperature was 18.5 °F, which is 2 degrees cooler than the historical average temperature. January's average high of 26.5 °F was 1.5 degrees colder than the historical average high. The average low temperature for January of 2019 was cooler than the historical average by 2.4 degrees, with an average low of 10.6 °F. January of 2019 had 16 days with at or above average highs and 15 days with at or below average lows. January had its highest temperature on the 8th with 52 degrees. The lowest observed temperatures were seen on the 30th and 31st with -26 °F. January broke two records this year with new daily record lows being set at -26 °F on both the 30th and 31st. The original records were at -22 °F and -16 °F respectively.

January's precipitation total for 2019 was 2.35 in., which was 0.88 in. above the average. The 2019 liquid-equivalent year to date is now 2.35 in. The largest amount of liquid-equivalent precipitation to occur on a single day was recorded on the 1st with 0.6 inches. Most of the liquid-equivalent precipitation occurred in the first half of the month with 55% of the precipitation occurring on or before the 16th. No liquid-equivalent precipitation records were broken in the month of January. The total snowfall for January 2019 was 21.5 in., which is 11.8 in. above the monthly historical average. This total monthly snowfall is the third largest snowfall for the station's 54-year record of observation. 2019 now ranks behind the years 1979 (29.6 in.) and 1967 (22.4 in.) for largest January snowfall total. The seasonal snow to date is now 35.6 in. – putting it 14.7 in. above the seasonal snow to date average. The largest amount of snowfall for a single day occurred on the 19th with 6.1 inches. The second half of January 2019 saw most of the snowfall, with 84% of the snowfall occurring after the 16th of January.

January of 2019 saw no Cooling Degree Days (CDDs) or Growing Degree Days (GDDs). As the new year has started, the yearly tracking of total CDDs and GDDs has reset and is currently at 0 GDDs and 0 CDDs. There was a total of 1440.5 Heating Degree Days (HDDs) in the month of January 2019. This puts the total amount of HDDs since July of 2018 to 4132.5 HDDs.

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This summary was prepared by Nick Rodeo, 24 February 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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

