

MONTHLY CLIMATE SUMMARY, JANUARY 2020

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record		Average		Obs.		Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO						
1	57	-14	31	16	27	18	22.5	0	0	42.5	0	0
2	56	-16	29	15	39	18	28.5	0	0	36.5	0	0
3	58	-17	31	15	46	32	39	0	0	26	0	0
4	55	-22	31	15	34	29	31.5	0	0	33.5	0.02	0.2
5	56	-24	30	14	32	22	27	0	0	38	0	0
6	50	-19	29	15	42	23	32.5	0	0	32.5	0	0
7	55	-20	28	14	38	22	30	0	0	35	0	0
8	62	-19	28	12	38	12	25	0	0	40	0	0
9	53	-14	28	13	30	9	19.5	0	0	45.5	0	0
10	56	-25	26	12	48	30	39	0	0	26	0.01	0
11	55	-22	27	13	40	29	34.5	0	0	30.5	0.93	0
12	56	-19	29	17	30	20	25	0	0	40	0.04	0.6
13	55	-17	33	16	29	20	24.5	0	0	40.5	0.01	0.2
14	57	-18	27	14	32	28	30	0	0	35	0	0
15	54	-21	25	11	36	24	30	0	0	35	0	0
16	53	-23	24	10	33	8	20.5	0	0	44.5	T	T
17	56	-20	26	11	19	7	13	0	0	52	0	0
18	54	-25	27	9	32	16	24	0	0	41	0.63	4.3
19	57	-22	26	6	32	-1	15.5	0	0	49.5	T	T
20	53	-27	25	9	14	0	7	0	0	58	0	0
21	59	-22	25	11	25	7	16	0	0	49	0	0
22	55	-22	29	15	25	7	16	0	0	49	0	0
23	57	-25	31	15	32	21	26.5	0	0	38.5	0.11	0.7
24	63	-23	28	13	33	26	29.5	0	0	35.5	0.21	1
25	62	-23	25	10	36	24	30	0	0	35	0.6	3.1
26	59	-20	26	10	32	27	29.5	0	0	35.5	0.1	0.9
27	60	-16	29	11	29	25	27	0	0	38	T	T
28	51	-22	30	12	31	26	28.5	0	0	36.5	T	T
29	55	-17	29	13	29	25	27	0	0	38	T	T
30	61	-22	29	14	30	25	27.5	0	0	37.5	T	T
31	52	-16	28	12	31	25	28	0	0	37	0.02	0.1

Temperature

1981-2010 AVG HI: 28.0 °F
 1981-2010 AVG LOW: 13.0°F
 1981-2010 AVG TEMP.: 20.5 °F
 January 2020 AVG HI: 32.4 °F
 January 2020 AVG LOW: 19.5 °F
 January 2020 AVG TEMP.: 25.9 °F

Precipitation

January 2020 TOTAL: 2.68 in.
 January AVG: 1.47 in.
 January 2020 SNOW: 11.1 in.
 January SNOW AVG.: 9.7 in.
 2020 Liquid-Eq. YEAR TO DATE: 2.68 in.
 Liquid-Eq. YEAR TO DATE AVG: 1.47 in.
 2019-2020 Seasonal SNOW TO DATE: 22.3 in.
 Seasonal SNOW TO DATE AVG: 20.9 in.

Degree Days

COOLING: 1/20: 0
 1/20-Now: 0
 HEATING: 1/20: 1211
 7/19-Now: 3288
 GROWING: 1/20: 0
 1/20-Now: 0

Discussion

January 2020's average temperature was 25.9 °F, which was 5.4 degrees warmer than the historical average temperature. January's average high of 32.4 °F was 4.4 degrees warmer than the historical average high. The average low temperature for January of 2020 was warmer than the historical average by 6.4 degrees. January 2020 had 26 days with at or above average highs and 24 days with at or above average lows. January had its highest temperature on the 10th with 48 degrees. The lowest observed temperature was experienced on the 19th at -1 °F, which was the only below zero temperature of the month. Although no temperature records were broken, January 2020 was the 9th warmest January since records began at the station in 1966.

January's precipitation total for 2020 was 2.68 in., which was 1.21 in. above the average. The largest amount of liquid-equivalent precipitation to occur on a single day was recorded on the 11th with 0.93 inches. Most of the liquid-equivalent precipitation occurred in the second half of the month with 62% of the precipitation occurring on or after the 16th. No liquid-equivalent precipitation records were broken in the month of January. The total snowfall for January 2020 was 11.1 in., which is 1.4 in. above the monthly historical average. The seasonal snow to date is now 22.3 in. – putting it just 1.4 in. above the seasonal snow to date average. The largest amount of snowfall for a single day occurred on the 18th with 4.3 inches. The second half of January 2020 saw most of the snowfall, with 90% of the snowfall occurring after the 16th of January.

January 2020 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 1211 Heating Degree Days (HDDs) in the month of January 2020. This puts the total amount of HDDs since July of 2019 to 3288 HDDs.

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This summary was prepared by Luke Henderson, 20 February 2020. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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January 2020 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Luke Henderson, NIU Weather Director

