

MONTHLY CLIMATE SUMMARY, JANUARY 2017

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. AVG	GDD	HDD	CDD	Precip. (in)	Snowfall (in)
1	57	-14	31	16	35	15	25	0	40	0	0	0
2	56	-16	29	15	37	17	27	0	38	0	0	0
3	58	-17	31	15	38	32	35	0	30	0	T	0
4	55	-22	31	15	35	7	21	0	44	0	T	T
5	56	-24	30	14	16	4	10	0	55	0	0	0
6	50	-19	29	15	13	-2	5.5	0	59.5	0	0.01	0.1
7	55	-20	28	14	6	-2	2	0	63	0	0	0
8	62	-19	28	12	15	0	7.5	0	57.5	0	0	0
9	53	-14	28	13	19	-1	9	0	56	0	0	0
10	56	-25	26	12	36	17	26.5	0	38.5	0	0.02	0.2
11	55	-22	27	13	48	23	35.5	0	29.5	0	0.17	0
12	56	-19	29	17	39	18	28.5	0	36.5	0	0.06	0
13	55	-17	33	16	23	13	18	0	47	0	0	0
14	57	-18	27	14	24	12	18	0	47	0	0	0
15	54	-21	25	11	29	18	23.5	0	41.5	0	0	0
16	53	-23	24	10	35	19	27	0	38	0	0.06	0
17	56	-20	26	11	37	31	34	0	31	0	1.51	0
18	54	-25	27	9	36	31	33.5	0	31.5	0	0.01	0
19	57	-22	26	6	35	29	32	0	33	0	0	0
20	53	-27	25	9	38	31	34.5	0	30.5	0	0.22	0
21	59	-22	25	11	45	36	40.5	0	24.5	0	0.02	0
22	55	-22	29	15	*55	30	42.5	0	22.5	0	0	0
23	57	-25	31	15	38	30	34	0	31	0	T	0
24	63	-23	28	13	40	34	37	0	28	0	0	0
25	62	-23	25	10	36	33	34.5	0	30.5	0	0.09	0
26	59	-20	26	10	38	28	33	0	32	0	0.05	T
27	60	-16	29	11	31	24	27.5	0	37.5	0	T	T
28	51	-22	30	12	26	21	23.5	0	41.5	0	T	T
29	55	-17	29	13	26	24	25	0	40	0	T	T
30	61	-22	29	14	25	12	18.5	0	46.5	0	T	T
31	52	-16	28	12	38	12	25	0	40	0	T	0

Temperature

1981-2010 AVG HI: 28.0 °F
 1981-2010 AVG LOW: 13.0°F
 1981-2010 AVG TEMP.: 20.5 °F
 January 2017 AVG HI: 32.0 °F
 January 2017 AVG LOW: 19.2 °F
 January 2017 AVG TEMP: 25.6 °F

Precipitation

January 2017 TOTAL: 2.22 in.
 January AVG: 1.47 in.
 January 2017 SNOW: 0.3 in.
 January SNOW AVG.: 9.7 in.
 2017 Liquid-Eq. YEAR TO DATE: 2.22 in.
 Liquid-Eq. YEAR TO DATE AVG: 1.41 in.
 2016-2017 Seasonal SNOW TO DATE: 17.3 in.
 Seasonal SNOW TO DATE AVG: 20.9 in.

Degree Days

COOLING: 1/17: 0
 1/17-Now: 0
 HEATING: 1/17: 1221
 7/16-Now: 3461.5
 GROWING: 1/17: 0
 1/17-Now: 0

Discussion

January's average temperature was 25.6 °F, which is 5.1 degrees warmer than the historical average temperature. January's average high of 32 degrees was 4 degrees warmer than the historical average high, with the average low temperature being much warmer than the historical average by 6.2 degrees. January had 21 days with above average highs and 20 days with above average lows. January had its highest temperature on the 22nd at 55 degrees, tying the record for that date. This was 26 degrees above the average for the day. Also, January had only 2 days where low temperatures were above freezing, with 3 days with low temperatures at or below 0 degrees.

January's precipitation total for 2017 was 2.22 in., which was 0.75 in. above the average. The 2017 liquid-equivalent year to date is 2.22 inches, which is 0.81 inches above the year to date average. Eighty-two percent of the precipitation fell within a week in the middle of the month. Sixty-eight percent of the total falling on the 17th at 1.51 in., which is the highest amount of precipitation recorded for that day (dating back to 1966). The total snowfall for January was 0.3 in., which was 9.5 in. below average. Total January 2017 snowfall tied for second lowest January snowfall since 1893. Lowest January total snowfalls... Trace - 1956... 0.3 in. - 1928 & 2017... 0.5 in. - 1896, 1934, & 1973.

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This summary was prepared by Daniel O'Sullivan Jr, 2 February 2017. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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January 2017 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Dan O'Sullivan Jr, NIU Weather Director

