## 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	õ	38	Ő	õ	õ	
3	58	-17	31	15	38	32	35	0	30	0	Ť	0	
4	55	-22	31	15	35	7	21	0	44	0	Ť	Ť	
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	<u>0</u> 0	31	0	1.51	0	
18	54	-25	27	9	36	31	33.5		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	Т	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	Т	T	
30	61	-22	29	14	25	12	18.5	0	46.5	0	T	Т	
31	52	-16	28	12	38	12	25	0	40	0	Т	0	
	Temperature			Precipita	Precipitation				gree Days				
	1981-2010 A	January 2	January 2017 TOTAL: 2.22 in. January AVG: 1.47 in.				COOLING: 1/1		0				
	1981-2010 A	January A							1/17-Now: 0				
	1981-2010 AVG TEMP.: 20.5 °F				January 2017 SNOW: 0.3 in.				HEATING:		1/17: 1221		
	January 2017	AVG HI: 32	2.0 °F		SNOW AV						7/16-Now: 3461.5		
	January 2017	AVG LOW	: 19.2 °F		2017 Liquid-Eq. YEAR TO DATE: 2.22 in.				GROWING: 1/17				
	January 2017	AVG TEM	P: 25.6 °F		Liquid-Eq. YEAR TO DATE AVG: 1.41 in.					1/17-	Now: 0		
	-			2016-201 Seasonal	2016-2017 Seasonal SNOW TO DATE: 17.3 in. Seasonal SNOW TO DATE AVG: 20.9 in.								

## 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.

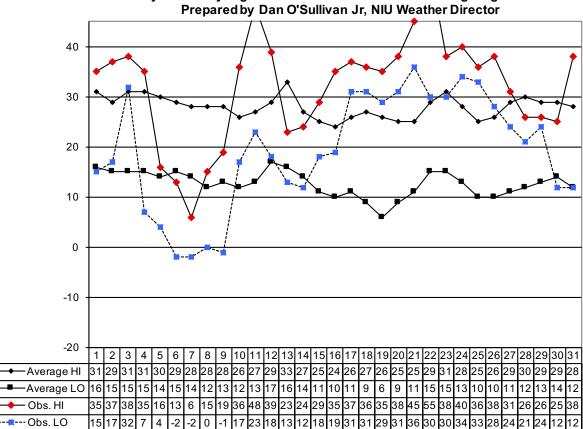
January's precipitation total for 2017 was 2.22 in., which was 0.75 in. above the average. The 2017 liquid-equivalent year to date is 2.22 inches, which is 0.81 inches above the year to date average. Eighty-two percent of the precipitation fell within a week in the middle of the month. Sixty-eight percent of the total falling on the 17<sup>th</sup> 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.

Sarah Black, Dr. David Changnon, Emma Falk, Lauren Haas, Matthew Mendez, Yesenia Nevarez, Andrew Pearson, Michael Pejkovich — Cooperative Observers; Daniel O'Sullivan Jr — Weather Director

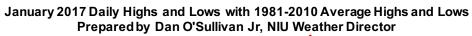
This summary was prepared by Daniel O'Sullivan Jr, 2 February 2017. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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

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Temperature (°F)



Day