

# MONTHLY CLIMATE SUMMARY, OCTOBER 2015

## 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	93	28	73	45	62	42	52	2	0	13	0	0.0
2	90	25	70	45	60	43	51.5	1.5	0	13.5	0	0.0
3	89	26	67	44	61	43	52	2	0	13	0	0.0
4	92	27	68	45	56	48	52	2	0	13	T	0.0
5	89	26	66	43	55	49	52	2	0	13	0	0.0
6	92	20	67	44	63	54	58.5	8.5	0	6.5	0	0.0
7	87	26	66	43	72	55	63.5	13.5	0	1.5	0	0.0
8	89	22	65	43	76	51	63.5	13.5	0	1.5	0	0.0
9	86	23	66	43	77	52	64.5	14.5	0	0.5	0.1	0.0
10	87	21	64	42	58	40	49	0	0	16	0	0.0
11	86	20	64	40	65	40	52.5	2.5	0	12.5	0	0.0
12	84	22	66	41	79	49	64	14	0	1	0	0.0
13	87	21	65	42	75	49	62	12	0	3	0	0.0
14	85	21	63	41	64	38	51	1	0	14	0	0.0
15	88	21	63	42	64	38	51	1	0	14	0	0.0
16	85	25	63	41	68	38	53	3	0	12	0	0.0
17	87	22	62	40	53	28	40.5	0	0	24.5	0	0.0
18	86	18	60	39	52	24	38	0	0	27	0	0.0
19	86	18	60	39	60	32	46	0	0	19	0	0.0
20	86	18	59	38	73	45	59	9	0	6	0	0.0
21	87	22	59	39	73	52	62.5	12.5	0	2.5	0.23	0.0
22	84	20	59	38	72	50	61	11	0	4	0	0.0
23	83	22	58	37	65	50	57.5	7.5	0	7.5	0	0.0
24	80	18	58	39	63	51	57	7	0	8	0.41	0.0
25	77	22	57	38	64	37	50.5	0.5	0	14.5	T	0.0
26	82	15	58	39	61	39	50	0	0	15	0	0.0
27	82	19	57	40	61	41	51	1	0	14	0	0.0
28	78	19	56	37	54	48	51	1	0	14	0.6	0.0
29	80	15	58	36	53	34	43.5	0	0	21.5	0.08	0.0
30	83	13	58	38	46	33	39.5	0	0	25.5	0	0.0
31	85	16	58	37	55	32	43.5	0	0	21.5	0.03	0.0

**Temperature**

1981-2010 AVG. HI: 65.7(F)  
 1981-2010 AVG. LOW: 40.5(F)  
 1981-2010 AVG. TEMP.: 53.1(F)  
 October 2015 AVG. HI: 63.2(F)  
 October 2015 AVG. LO: 42.7(F)  
 October 2015 AVG. TEMP.: 53.0(F)

**Precipitation**

October 2015 TOTAL: 1.45 in.  
 October AVG.: 2.85 in.  
 October 2015 SNOW: 0  
 October SNOW AVG: 0.1 in.  
 2015 liquid-eq. YEAR TO DATE: 30.91 in.  
 liquid-eq. YEAR TO DATE AVG.: 32.83 in.  
 2015-2016 Seasonal SNOW TO DATE: 0  
 Seasonal SNOW TO DATE AVG: 0.1

**Degree Days**

COOLING: 10/15: 0  
 1/15-Now: 655  
 HEATING: 10/15: 372.5  
 7/15-Now: 461  
 GROWING: 10/15: 142.5  
 1/15-Now: 2932.5

**Discussion**

October's average temperature was 53°F, which is 0.10 degrees cooler than the historical average temperature. October's average high of 63.2 degrees was 2.5 degrees cooler than the historical average high; however, the average minimum temperature was warmer than the historical average by 2.2 degrees. October had 17 days with above average highs and 15 days with above average lows. October had its highest temperature on the 12<sup>th</sup> at 79 degrees. This was 13 degrees above the average for the day. Also, October had two days with low temperatures at the freezing point and two days below freezing.

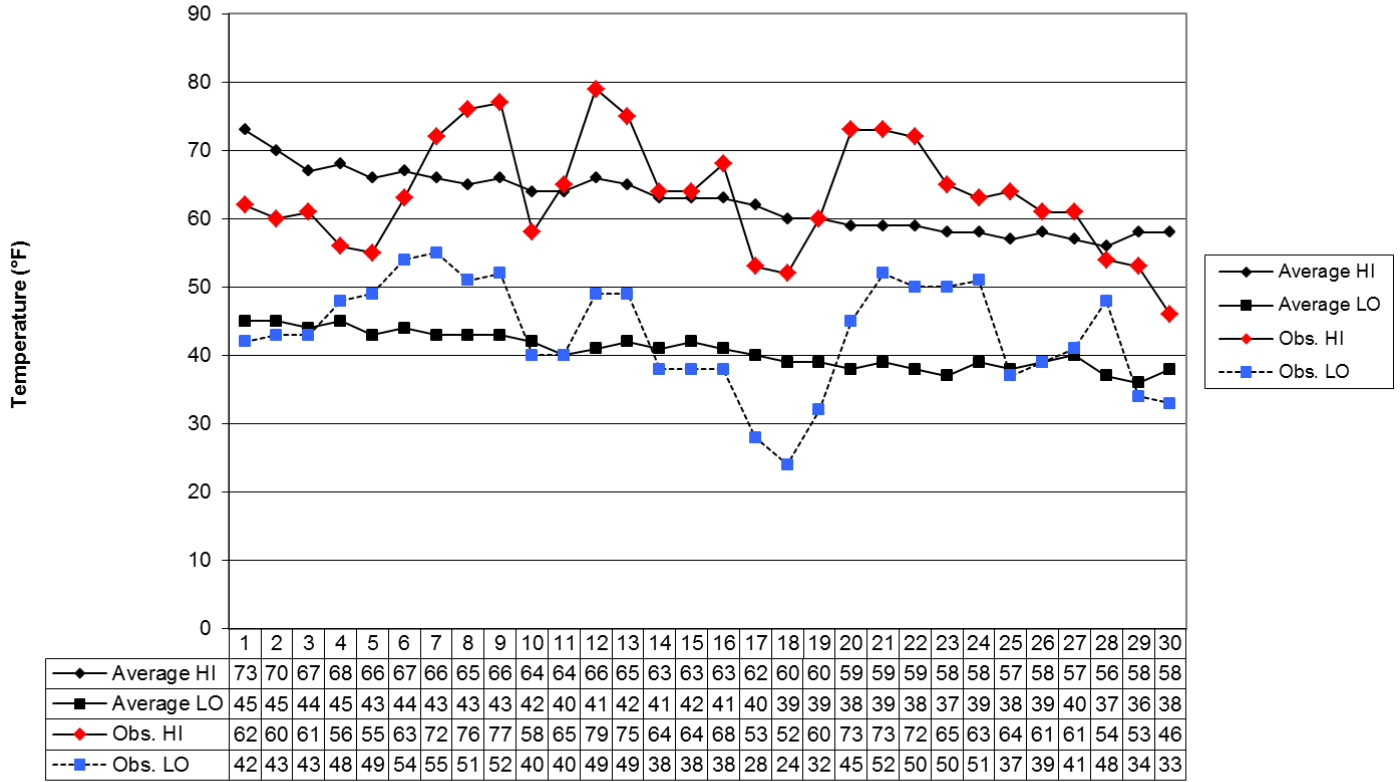
October's precipitation total for 2015 was 1.45 in., which was 1.40 in. below the average. The 2015 liquid-equivalent year to date now is 30.91 in. The total for 2015 is nearly two inches below the year to date average of 32.83 in. Ninety-three percent of the precipitation fell within the last ten days of the month. The largest precipitation occurred on October 29<sup>th</sup> with 0.60 in. of rain. This accounted for forty-one percent of the monthly accumulation. This year, October did not receive any snowfall.

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 This summary was prepared by Jim Kolar 10 November 2015. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327.  
 Climate Website: <http://climate.niu.edu>

**The Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations.**

**October 2015 Daily Highs and Lows with 1981-2010 Average Highs and Lows**  
 Prepared by Jim Kolar, NIU Weather Director



Day