

MONTHLY CLIMATE SUMMARY, OCTOBER 2012

NIU WEATHER SERVICE: DE KALB, ILL.

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	68	45	56.5	6.5	0	8.5	0	0.0
2	90	25	70	45	67	47	57	7	0	8	0	0.0
3	89	26	67	44	71	47	59	9	0	6	0	0.0
4	92	27	68	45	65	51	58	8	0	7	0.01	0.0
5	89	26	66	43	73	37	55	5	0	10	0.18	0.0
6	92	20	67	44	49	27	38	0	0	27	T	0.0
7	87	26	66	43	46	28	37	0	0	28	0	0.0
8	89	22	65	43	49	31	40	0	0	25	0	0.0
9	86	23	66	43	60	31	45.5	0	0	19.5	0	0.0
10	87	21	64	42	66	33	49.5	0	0	15.5	0.25	0.0
11	86	20	64	40	50	33	41.5	0	0	23.5	0	0.0
12	84	22	66	41	67	33	50	0	0	15	0.02	0.0
13	87	21	65	42	55	33	44	0	0	21	0.12	0.0
14	85	21	63	41	64	47	55.5	5.5	0	9.5	0.56	0.0
15	88	21	63	42	67	40	53.5	3.5	0	11.5	0.19	0.0
16	85	25	63	41	59	39	49	0	0	16	0	0.0
17	87	22	62	40	69	41	55	5	0	10	0	0.0
18	86	18	60	39	66	42	54	4	0	11	0.94	0.0
19	86	18	60	39	51	42	46.5	0	0	18.5	0.14	0.0
20	86	18	59	38	49	35	42	0	0	23	0.13	0.0
21	87	22	59	39	57	35	46	0	0	19	0	0.0
22	84	20	59	38	68	39	53.5	3.5	0	11.5	0	0.0
23	83	22	58	37	63	54	58.5	8.5	0	6.5	0.34	0.0
24	80	18	58	39	69	58	63.5	13.5	0	1.5	0	0.0
25	77	22	57	38	77	60	68.5	18.5	3.5	0	0	0.0
26	82	15	58	39	73	35	54	4	0	11	0.29	0.0
27	82	19	57	40	47	30	38.5	0	0	26.5	0	0.0
28	78	19	56	37	43	29	36	0	0	29	0	0.0
29	80	15	58	36	48	30	39	0	0	26	0	0.0
30	83	13	58	38	50	30	40	0	0	25	0	0.0
31	85	16	58	37	45	28	36.5	0	0	28.5	0	0.0

Temperature

1981-2010 AVG. HI: 65.7(F)
 1981-2010 AVG. LOW: 40.5(F)
 1981-2010 AVG. TEMP.: 51.4(F)
 October 2012 AVG. HI: 59.7(F)
 October 2012 AVG. LO: 38.4(F)
 October 2012 AVG. TEMP.: 49.1(F)

Precipitation

October 2012 TOTAL: 3.17 in.
 October AVG.: 2.85 in.
 October 2012 SNOW: 0
 October SNOW AVG: 0.1 in.
 2012 liquid-eq. YEAR TO DATE: 21.86 in.
 liquid-eq. YEAR TO DATE AVG.: 32.83 in.
 2012-2013 Seasonal Snow to Date: 0
 Seasonal Snow to Date avg: 0

Degree Days

COOLING: 10/12: 3.5
 1/12-Now: 1080.5
 HEATING: 10/12: 498
 7/12-Now: 665
 GROWING: 10/12: 101.5
 1/12: 3396

Discussion

October's mean temperature of 59.7°F was six degrees cooler than the historical normal. October started out with high temperatures close to the daily averages, ranging from lower 70s to upper 60s. Most of October included high temperatures that were within the middle to upper 50's, with the highest temperature recorded on October 25th at 77°F. On the 25th there was a record highest low at 60°F, which ranks first for the Dekalb co-op station (1966-2012). The lowest temperature for October was recorded on the 6th at 27°F. Comparing October historical rankings for mean temperature (1966-2012), 2012 ranked as the sixth coldest with a mean temperature at 49.1°F. The coldest October was 1987, with a mean temperature of 44.4°F. Liquid Equivalent precipitation total for the month of October was 3.17in. In comparison to the historical records extending to 1966, October's total ranks 15th wettest month; the driest October was in 2005 at 0.53in.

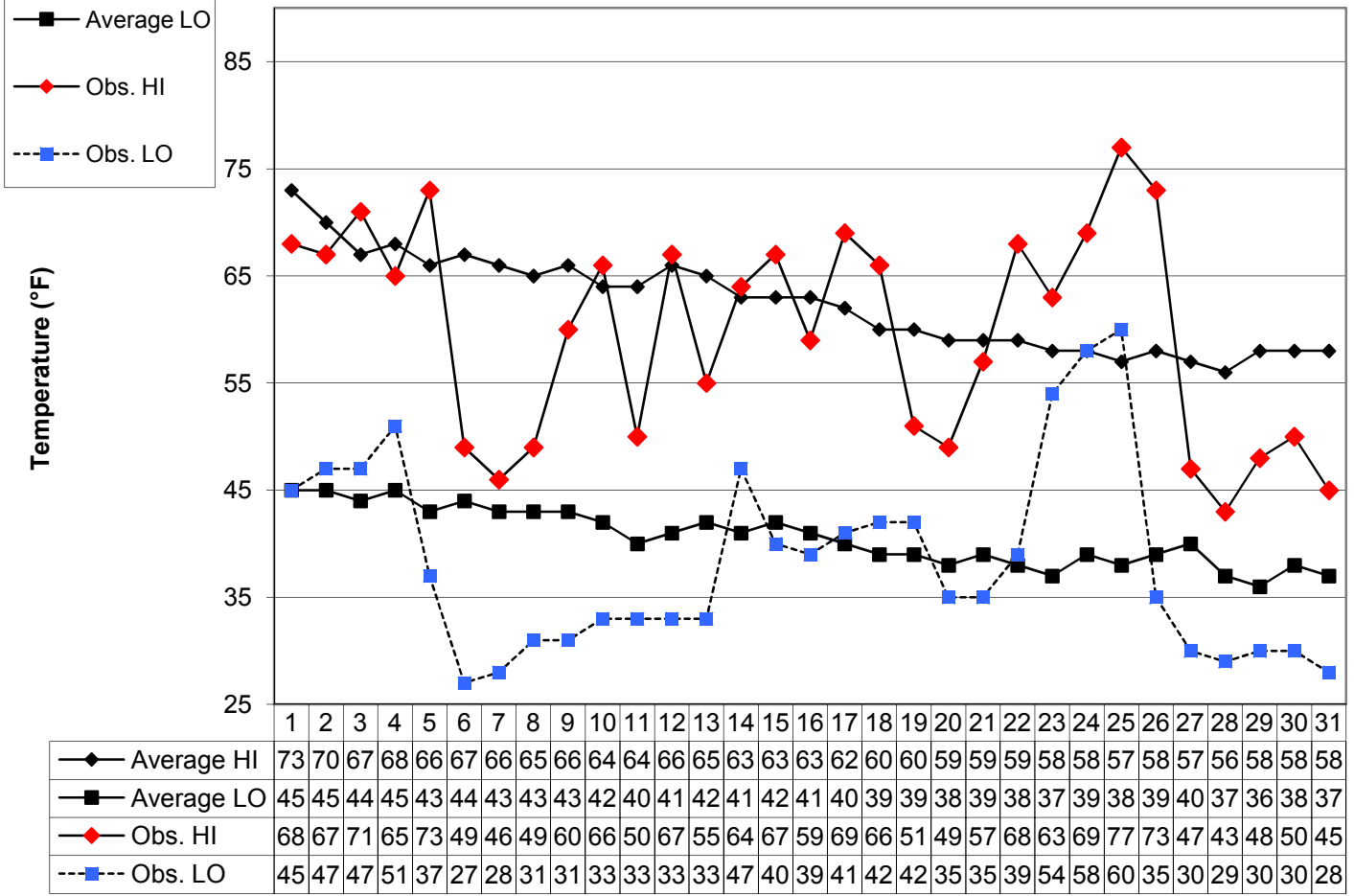
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 John Barmann—Weather Director

This summary was prepared by John Barmann 1 November 2012. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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 2012 Daily Highs and Lows with 1981-2010 Average Highs and Lows Prepared by John Barmann, NIU Weather Director



Day