

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	72	47	59.5	9.5	0	5.5	0	0.0
2	90	25	70	45	79	50	64.5	14.5	0	0.5	0	0.0
3	89	26	67	44	79	59	69	19	4	0	0	0.0
4	92	27	68	45	76	57	66.5	16.5	1.5	0	0.35	0.0
5	89	26	66	43	74	64	69	19	4	0	T	0.0
6	92	20	67	44	76	47	61.5	11.5	0	3.5	0.19	0.0
7	87	26	66	43	58	41	49.5	0	0	15.5	0.01	0.0
8	89	22	65	43	69	44	56.5	6.5	0	8.5	0	0.0
9	86	23	66	43	76	44	60	10	0	5	0	0.0
10	87	21	64	42	72	47	59.5	9.5	0	5.5	0	0.0
11	86	20	64	40	74	48	61	11	0	4	0	0.0
12	84	22	66	41	76	55	65.5	15.5	0.5	0	0	0.0
13	87	21	65	42	70	43	56.5	6.5	0	8.5	0.35	0.0
14	85	21	63	41	60	40	50	0	0	15	0	0.0
15	88	21	63	42	63	40	51.5	1.5	0	13.5	0.01	0.0
16	85	25	63	41	66	46	56	6	0	9	0.1	0.0
17	87	22	62	40	53	46	49.5	0	0	15.5	0.08	0.0
18	86	18	60	39	54	37	45.5	0	0	19.5	0.19	0.0
19	86	18	60	39	49	37	43	0	0	22	0.05	0.0
20	86	18	59	38	53	35	44	0	0	21	T	0.0
21	87	22	59	39	59	35	47	0	0	18	T	0.0
22	84	20	59	38	47	28	37.5	0	0	27.5	0	0.0
23	83	22	58	37	37	29	33	0	0	32	0.07	T
24	80	18	58	39	41	28	34.5	0	0	30.5	T	0.0
25	77	22	57	38	40	26	33	0	0	32	0	0.0
26	82	15	58	39	50	24	37	0	0	28	0	0.0
27	82	19	57	40	52	28	40	0	0	25	0	0.0
28	78	19	56	37	54	28	41	0	0	24	0	0.0
29	80	15	58	36	55	36	45.5	0	0	19.5	0	0.0
30	83	13	58	38	56	38	47	0	0	18	0	0.0
31	85	16	58	37	61	48	54.5	4.5	0	10.5	0.8	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 2013 AVG. HI: 61.3(F)
 October 2013 AVG. LO: 41.1(F)
 October 2013 AVG. TEMP.: 51.2(F)

Precipitation

October 2013 TOTAL: 2.20 in.
 October AVG.: 2.85 in.
 October 2013 SNOW: T
 October SNOW AVG: 0.1 in.
 2013 liquid-eq. YEAR TO DATE: 36.04in.
 liquid-eq. YEAR TO DATE AVG.: 32.83 in.
 2013-2014 Seasonal Snow to Date: T
 Seasonal Snow to Date AVG: 0.1

Degree Days

COOLING: 10/13: 10
 1/13-Now: 729.5
 HEATING: 10/13: 437
 7/13-Now: 556
 GROWING: 10/13: 161
 1/13-Now: 2828.5

Discussion

October's mean maximum temperature of 61.3°F was 4.4 degrees cooler than the historical average max, however, the mean minimum temperature was 0.6F warmer than average. October started out with high temperatures above the daily averages, the highest being 79 degrees occurring on the 2nd and the 3rd. Twelve days of October featured above average highs. The second half of the month had below mean temps. Thirteen days had below average lows, the coldest recorded on the 26th at 24 degrees. Overall October temps were right around average, with the average temperature of 51.2 being 0.2 degrees cooler than the historical mean of 51.4. Liquid Equivalent precipitation total for the month of October was 2.2in, some 77% of the October average. October also featured the first snowfall of the season, a trace amount being recorded.

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Richard Medicott—Weather Director

This summary was prepared by Richard Medicott 1 November 2013. Forecast information (updated once daily at approx. 7:30 am): (847) 848-4082.

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 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Richard Mediccotti, NIU Weather Director

