

MONTHLY CLIMATE SUMMARY, JULY 2013

NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record		Average		Obs.		Obs. Avg.	GDD	HDD	CDD	Precip. (in)
	HI	LO	HI	LO	HI	LO					
1	101	43	82	60	77	56	66.5	1.5	0	16.5	0.01
2	104	45	81	60	77	58	67.5	2.5	0	17.5	0
3	102	41	82	61	73	58	65.5	0.5	0	15.5	0
4	106	43	83	64	68	58	63	0	2	13	0.25
5	104	45	84	63	82	59	70.5	5.5	0	20.5	0
6	105	43	84	63	83	63	73	8	0	23	0
7	103	46	84	62	84	68	76	11	0	26	0
8	105	41	83	63	88	68	78	13	0	28	0.1
9	101	47	85	64	88	70	79	14	0	29	0.29
10	105	46	84	63	84	74	79	14	0	29	0.06
11	107	42	83	61	81	62	71.5	6.5	0	21.5	0
12	106	45	83	63	79	59	69	4	0	19	0
13	106	44	83	63	82	59	70.5	5.5	0	20.5	0
14	109	45	84	64	83	66	74.5	9.5	0	24.5	0
15	98	42	84	63	87	71	79	14	0	29	0
16	100	40	85	64	89	73	81	16	0	31	0
17	100	43	86	65	90	73	81.5	16.5	0	31.5	0
18	100	44	85	66	92	75	83.5	18.5	0	33.5	0
19	100	45	85	65	93	77	85	20	0	35	0
20	102	47	85	64	94	67	80.5	15.5	0	30.5	0.03
21	106	46	84	65	85	65	75	10	0	25	0.01
22	103	43	83	63	85	65	75	10	0	25	0
23	106	45	82	62	86	64	75	10	0	25	0.14
24	106	48	82	61	76	55	65.5	0.5	0	15.5	0
25	104	41	84	63	73	55	64	0	1	14	0
26	105	46	83	63	79	55	67	2	0	17	0.03
27	102	46	83	63	72	55	63.5	0	1.5	13.5	0.14
28	103	48	83	63	72	51	61.5	0	3.5	11.5	0.03
29	104	46	83	62	69	52	60.5	0	4.5	10.5	0
30	104	45	83	63	76	54	65	0	0	15	0
31	104	44	83	63	68	61	64.5	0	0.5	14.5	0.24

Temperature

1981-2010 AVG. HI: 82.2(F)
 1981-2010 AVG. LOW: 62.9(F)
 1981-2010 AVG. TEMP.: 73.2(F)
 July 2013 AVG. HI: 81.13(F)
 July 2013 AVG. LO: 62.77(F)
 July 2013 AVG. TEMP.: 71.95(F)

Precipitation

July 2013 TOTAL: 1.33 in.
 July AVG.: 4.32 in.
 July 2013 SNOW: 0
 July SNOW AVG: 0
 2013 liquid-eq. YEAR TO DATE: 28.15 in.
 liquid-eq. YEAR TO DATE AVG.: 21.59 in.
 2013-14 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 7/13: 228.5
 1/13-Now: 444.5
 HEATING: 7/13: 13
 7/13-Now: 13
 GROWING: 7/13: 680.5
 1/13-Now: 1613.5

Discussion

July 2013 temperatures were right around the historical (30-year, 1981-2010) averages. With a mean temperature of 71.95 was only 1.25 degrees below the norm. The highest temperatures were recorded towards the middle of the month, where we had nine consecutive days above the historical average for each day from the 15th through the 23rd. Of these nine days, the first six also experienced lows well above average. Besides these six days, most of the daily lows were below average.

Total liquid-equivalent precipitation for this month was 1.33 in., some 31 percent of the historical average total of 4.32 in. and the least to fall for the month of July since 2002. The record for least rainfall occurred in 1916 when only 0.20" fell. Most of this fell at the beginning of the month and some towards the end. The nine-day heat wave during the middle of the month only produced 13.5 percent of the total monthly precipitation total, and it fell within the last four days of said heat wave. The year to date liquid equivalent now stands at 28.15", still 6.56 inches above the year to date average of 21.59 in. This year has since fallen from being the wettest on record since 1902.

Sam Feikema, Joe Rodey, Jodi Wright —Cooperative Observers; R. C. Medlicott —Weather Director

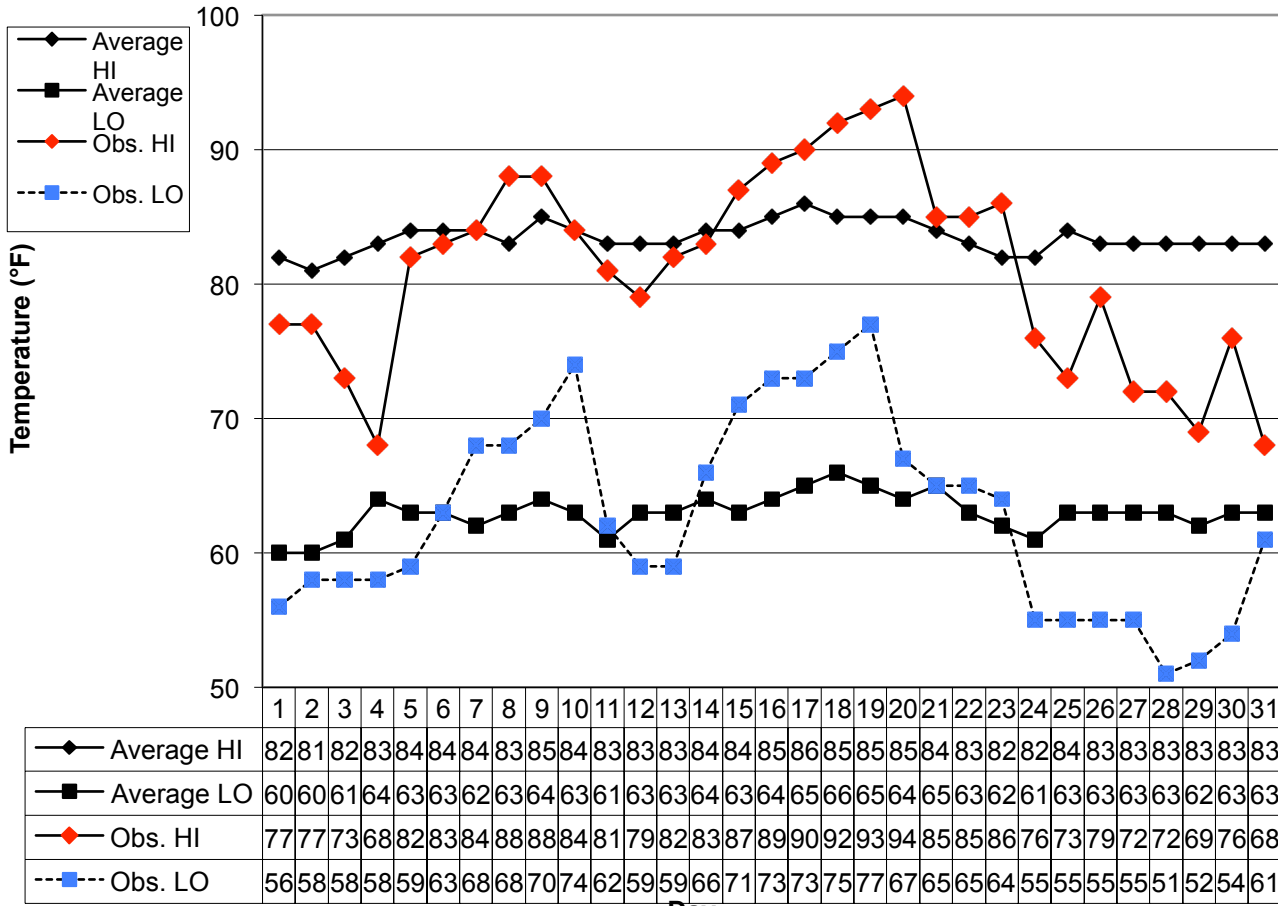
This summary was prepared by Richard C. Medlicott 01 August 2013. Forecast information (updated once daily at approx. 7:30 am): (847) 848-4082.

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.

July 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows

Prepared by Richard Medicott, NIU Weather Director



Day