

MONTHLY CLIMATE SUMMARY, AUGUST 2013

NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record		Average		Obs.		Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO						
1	98	42	84	62	76	61	68.5	3.5	0	18.5	0.01	0.0
2	98	44	86	63	78	61	69.5	4.5	0	19.5	0.01	0.0
3	100	42	85	64	83	61	72	7	0	22	0	0.0
4	99	44	85	64	77	56	66.5	1.5	0	16.5	0	0.0
5	100	43	83	62	77	58	67.5	2.5	0	17.5	0	0.0
6	102	44	82	62	70	60	65	0	0	15	0.19	0.0
7	100	46	82	62	84	66	75	10	0	25	0	0.0
8	103	43	82	62	85	63	74	9	0	24	0	0.0
9	102	44	84	62	77	58	67.5	2.5	0	17.5	0	0.0
10	98	47	83	62	81	60	70.5	5.5	0	20.5	0	0.0
11	97	45	81	61	80	57	68.5	3.5	0	18.5	0	0.0
12	104	45	81	60	82	60	71	6	0	21	0.01	0.0
13	98	47	81	61	80	55	67.5	2.5	0	17.5	0.51	0.0
14	99	43	81	61	69	52	60.5	0	4.5	10.5	0	0.0
15	97	44	81	61	72	53	62.5	0	2.5	12.5	0	0.0
16	99	42	83	61	75	56	65.5	0.5	0	15.5	0	0.0
17	103	44	83	62	80	56	68	3	0	18	0	0.0
18	102	43	82	61	80	56	68	3	0	18	0	0.0
19	100	45	80	60	83	59	71	6	0	21	0	0.0
20	100	40	80	60	84	63	73.5	8.5	0	23.5	0	0.0
21	100	42	81	59	85	63	74	9	0	24	0	0.0
22	99	41	81	61	89	67	78	13	0	28	0.61	0.0
23	100	43	81	60	71	61	66	1	0	16	0.75	0.0
24	100	40	81	60	81	62	71.5	6.5	0	21.5	0	0.0
25	95	41	80	61	83	63	73	8	0	23	0	0.0
26	97	42	81	62	87	65	76	11	0	26	0	0.0
27	97	40	81	63	88	66	77	12	0	27	0	0.0
28	99	39	81	61	92	72	82	17	0	32	0	0.0
29	96	38	80	60	86	67	76.5	11.5	0	26.5	0	0.0
30	98	36	80	59	86	68	77	12	0	27	0	0.0
31	100	35	79	58	94	67	80.5	15.5	0	30.5	2.1	0.0

Temperature

1981-2010 AVG. HI: 81.6(F)
 1981-2010 AVG. LOW: 61.1(F)
 1981-2010 AVG. TEMP.: 71.4(F)
 August 2013 AVG. HI: 81.13(F)
 August 2013 AVG. LO: 61.03(F)
 August 2013 AVG. TEMP.: 71.08(F)

Precipitation

August 2013 TOTAL: 4.19 in.
 August AVG.: 4.34 in.
 August 2013 SNOW: 0
 August SNOW AVG: 0
 2013 liquid-eq. YEAR TO DATE: 32.34 in.
 liquid-eq. YEAR TO DATE AVG.: 25.92 in.
 2013-14 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 8/13: 195.5
 1/13-Now: 640
 HEATING: 8/13: 7
 7/13-Now: 20
 GROWING: 8/13: 653.5
 1/13-Now: 2267

Discussion

August had a mean temperature that was near identical to the historical average at 71.08°. Most of August had temperatures stay within the middle to lower 80's with the highest temperature recorded on August 31st at 94° F. The lowest temperature for August was recorded on the 15th at 52°F. During the beginning of the month, temperatures were mainly below average, while the whole last week of the month was well above the normal. This warming trend started on August 19th.

August's precipitation total for 2013 was 4.19 in., which is only 0.15 in. less than the average precipitation for August. Fifty percent (2.1") of this rainfall however fell on the 31st of the month. Only seven other days of the month experienced precipitation at all and only 3 of those 7 had more than a fifth of an inch. Beginning the second week of the month, the US drought monitor put about half of Illinois under abnormally dry, including the DeKalb area. After week three, more than 75% of the state was found to be abnormally dry. Western Illinois was put under moderate drought at the beginning of the fourth week. Currently, north central Illinois is no longer under any drought, while much of central Illinois is experiencing moderate drought conditions. (http://droughtmonitor.unl.edu/DM_midwest.htm)

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

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

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

Prepared by Richard Medicott, NIU Weather Director

