

MONTHLY CLIMATE SUMMARY, AUGUST, 2009
NIU WEATHER SERVICE, DEKALB, IL

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	98	42	83	61	78	59	68.5	3.5	0	18.5	0	0.0
2	98	44	82	62	71	52	61.5	0	3.5	11.5	0.05	0.0
3	100	42	83	62	77	58	67.5	2.5	0	17.5	0	0.0
4	99	44	84	62	83	63	73	8	0	23	0.02	0.0
5	100	43	82	60	83	59	71	6	0	21	0	0.0
6	102	44	81	61	78	58	68	3	0	18	0	0.0
7	100	46	81	61	79	59	69	4	0	19	T	0.0
8	103	43	83	62	69	64	66.5	1.5	0	16.5	0.9	0.0
9	102	44	83	61	88	69	78.5	13.5	0	28.5	T	0.0
10	98	47	82	61	88	66	77	12	0	27	0.01	0.0
11	97	45	82	60	82	65	73.5	8.5	0	23.5	0	0.0
12	104	45	81	59	81	59	70	5	0	20	0	0.0
13	98	47	82	62	80	56	68	3	0	18	0	0.0
14	99	43	82	61	80	60	70	5	0	20	0	0.0
15	97	44	82	61	85	62	73.5	8.5	0	23.5	0	0.0
16	99	42	82	60	84	63	73.5	8.5	0	23.5	0	0.0
17	103	44	83	61	76	64	70	5	0	20	0.36	0.0
18	102	43	83	60	78	66	72	7	0	22	0.07	0.0
19	100	45	82	61	80	58	69	4	0	19	0	0.0
20	100	40	82	61	80	60	70	5	0	20	0.96	0.0
21	100	42	82	59	77	60	68.5	3.5	0	18.5	0.02	0.0
22	99	41	82	61	71	53	62	0	3	12	0.66	0.0
23	99	43	81	60	69	52	60.5	0	4.5	10.5	0.02	0.0
24	100	40	81	60	74	53	63.5	0	1.5	13.5	0	0.0
25	95	41	81	59	76	56	66	1	0	16	0	0.0
26	97	42	82	62	80	58	69	4	0	19	0.6	0.0
27	97	40	83	63	68	59	63.5	0	1.5	13.5	1.97	0.0
28	99	39	83	62	64	57	60.5	0	4.5	10.5	0.53	0.0
29	96	38	81	60	66	53	59.5	0	5.5	9.5	0.05	0.0
30	98	36	81	60	66	49	57.5	0	7.5	7.5	0	0.0
31	100	35	81	60	65	45	55	0	10	5	0	0.0

Temperature

1971-2000 AVG. HI: 82.0(F)
 1971-2000 AVG. LOW: 60.7(F)
 1971-2000 AVG. TEMP: 71.4(F)
 August 2009 AVG. HI: 76.6(F)
 August 2009 AVG. LO: 58.5(F)
 August 2009 AVG. TEMP: 67.6(F)

Precipitation

August TOTAL: 6.22 in
 August AVG: 4.45 in.
 SNOW: 0.0 in.
 YEAR TO DATE: 34.8 in
 YEAR TO DATE AVG: 26.33 in

Degree Days

COOLING: 8/09: 122
 1/09-Now: 385.5
 HEATING: 8/09: 41.5
 7/09-Now: 66
 GROWING: 8/09: 545.5
 1/09-Now: 1988

Discussion

The average temperatures for August 2009 were below normal, especially the average high temperature. At no time during the month did the high temperature reach or exceed 90 degrees which is abnormal for August. While the historical average high temperature is above 80 degrees for every day in August, the observed high temperature exceeded 80 degrees less than half of the days in August 2009. Also there were 7 days during the month when the high temperature failed to reach 70 degrees, most of which occurred near the end of the month. The average high temperature for 2009 ranks 3rd among all Augusts on record for coolest average high and the mean temperature for August 2009 ranks 5th coolest of all time.

A total of 6.22 inches of rain was recorded in August 2009 which exceeds the August historical average of 4.45 inches. This total ranks 9th among all Augusts on record. The year to date total precipitation for 2009 is now 34.8 inches which is 8.47 inches above the historical average for this time. We will see if this trend continues in subsequent months.

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August 2009 Daily Highs and Lows with 1971-2000 Average Highs and Lows

