

MONTHLY CLIMATE SUMMARY, SEPTEMBER, 2008
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	100	39	82	60	86	54	70	5	0	20	0	0
2	101	35	81	59	88	67	77.5	12.5	0	27.5	0	0
3	99	40	80	58	91	64	77.5	12.5	0	27.5	0	0
4	100	41	80	56	68	57	62.5	0	2.5	12.5	0.3	0
5	99	40	79	56	61	56	58.5	0	6.5	8.5	1.5	0
6	100	36	80	56	65	54	59.5	0	5.5	9.5	0	0
7	101	37	81	57	70	52	61	0	4	11	0	0
8	99	37	80	55	72	52	62	0	3	12	0	0
9	96	39	79	56	61	44	52.5	0	12.5	2.5	0.7	0
10	96	36	79	55	66	48	57	0	8	7	T	0
11	94	30	80	56	70	50	60	0	5	10	0	0
12	96	32	79	55	72	54	63	0	2	13	0.07	0
13	98	33	77	55	72	55	63.5	0	1.5	13.5	3.46	0
14	100	29	77	53	73	65	69	4	0	19	1.73	0
15	101	33	75	52	65	54	59.5	0	5.5	9.5	0.72	0
16	92	30	74	52	62	46	54	0	11	4	0.01	0
17	94	33	73	52	73	49	61	0	4	11	0	0
18	97	30	75	53	82	55	68.5	3.5	0	18.5	0	0
19	93	32	76	53	75	55	65	0	0	15	0	0
20	93	28	75	51	79	55	67	2	0	17	0	0
21	94	32	69	48	81	55	68	3	0	18	0	0
22	92	29	68	46	81	60	70.5	5.5	0	20.5	0	0
23	91	30	68	44	80	60	70	5	0	20	0	0
24	91	30	70	46	83	60	71.5	6.5	0	21.5	0	0
25	93	25	69	49	81	59	70	5	0	20	0	0
26	93	26	72	48	72	58	65	0	0	15	0	0
27	89	27	73	49	80	53	66.5	1.5	0	16.5	0	0
28	91	23	72	49	81	53	67	2	0	17	0	0
29	96	28	72	48	69	54	61.5	0	3.5	11.5	0	0
30	93	22	72	49	62	48	55	0	10	5	0.9	0

Temperature

1971-2000 AVG. HI: 75.6(F)
 1971-2000 AVG. LO: 52.5(F)
 1971-2000 AVG. TEMP: 64.1(F)
 September 2008 AVG. HI: 74.03(F)
 September 2008 AVG. LO: 54.86(F)
 September 2008 AVG. TEMP: 64.45(F)

Precipitation

September TOTAL: 9.39 in
 September AVG: 3.47 in.
 SNOW: 0.0 in.
 YEAR TO DATE: 36.79 in
 YEAR TO DATE AVG: 29.80 in

Degree Days

COOLING: 9/08: 68
 1/08-Now: 1049.5
 HEATING: 9/08: 84.5
 7/08-Now: 91.5
 GROWING: 9/08: 433.5
 1/08-Now: 4161

Discussion

The average high temperature for September was 1.57° lower than the 1971-2000 average, while the average low temperature for the month was 2.36° higher than average. The average overall temperature was almost exactly the same as the 30 year average – only 0.35° higher than normal. The month’s highest temperature was 91°, which occurred on September 3rd. The lowest temperature during the month was 44°, which occurred on September 9th. There were five days during the month where the temperatures dipped below 50 degrees, signaling a seasonal shift toward the cool season.

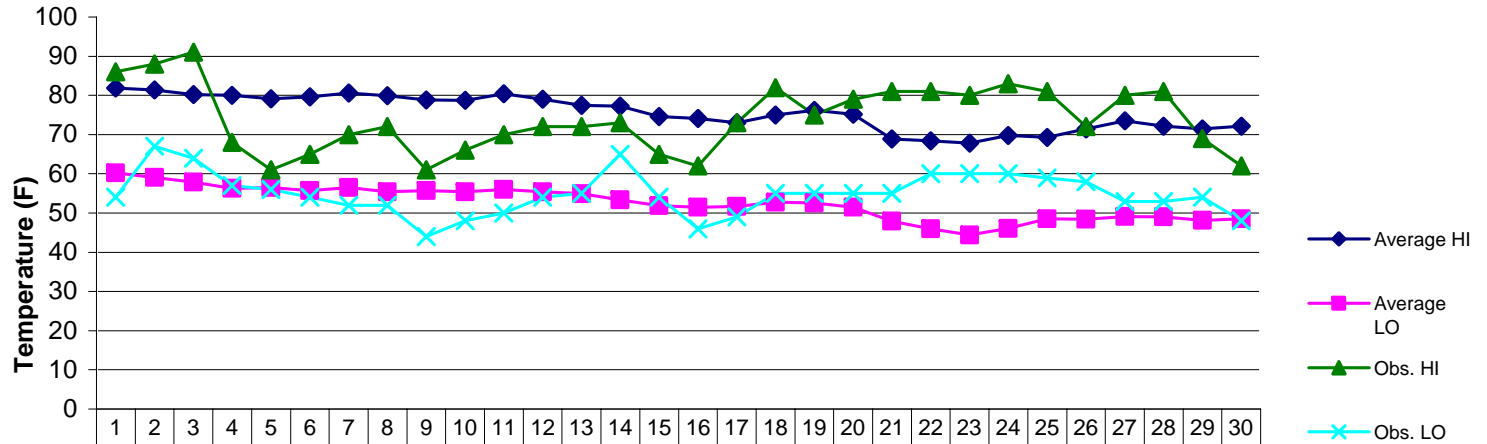
September 2008 had the 2nd highest September precipitation total on record with 9.39” total inches of rain. The total amount of rainfall on September 13th (3.46”) nearly equaled the average amount for a typical September (3.47”). From September 12th to the 15th, 5.98” inches of rain fell in DeKalb bringing the Kishwaukee River to just over the “moderate” flood stage of 11 ft. As of the end of September, 2008 is currently 6.99” over the year-to-date average for total precipitation.

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Forecast Information (updated once daily at approx. 7:30 am (815) 753-1623

The Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations.

September 2008 Daily Highs and Lows with 1971-2000 Average Highs and Lows



◆ Average HI	82	81	80	80	79	80	81	80	79	79	80	79	78	77	75	74	73	75	76	75	69	68	68	70	69	72	74	72	72	72
■ Average LO	60	59	58	56	57	56	57	55	56	55	56	55	55	53	52	52	52	53	53	52	48	46	44	46	49	48	49	49	48	49
▲ Obs. HI	86	88	91	68	61	65	70	72	61	66	70	72	72	73	65	62	73	82	75	79	81	81	80	83	81	72	80	81	69	62
× Obs. LO	54	67	64	57	56	54	52	52	44	48	50	54	55	65	54	46	49	55	55	55	55	60	60	60	59	58	53	53	54	48

Day