

MONTHLY CLIMATE SUMMARY, SEPTEMBER 2000
NIU WEATHER SERVICE, DE KALB, IL

Day	Record Hi (F)	Record Lo (F)	Average Hi (1895-1995) (F)	Average Lo (1895-1995) (F)	Observed HI (F)	Observed LO (F)	Observed Avg Daily Temp (F)	CDD	HDD	Precip (in.)
1	100	39	81	58	93	69	81	16	0	0
2	101	35	80	58	93	70	81.5	16.5	0	0
3	99	40	80	57	89	68	78.5	13.5	0	0
4	100	41	80	57	82	60	71	6	0	0.15
5	99	40	79	56	66	50	58	0	7	T
6	100	36	79	56	68	47	57.5	0	7.5	0
7	101	37	79	55	75	49	62	0	3	0
8	99	37	79	55	87	59	73	8	0	0.11
9	96	39	79	55	83	65	74	9	0	T
10	96	36	79	55	84	66	75	10	0	0
11	94	30	78	55	89	65	77	12	0	T
12	96	32	78	55	90	57	73.5	8.5	0	1.85
13	98	33	77	54	71	50	60.5	0	4.5	0
14	100	29	76	53	81	50	65.5	0.5	0	0.41
15	101	33	75	53	73	46	59.5	0	5.5	0.03
16	92	30	75	52	61	41	51	0	14	0
17	94	33	74	52	69	42	55.5	0	9.5	0
18	97	30	74	52	79	55	67	2	0	0
19	93	32	73	51	88	57	72.5	7.5	0	0
20	93	28	72	50	85	57	71	6	0	0.03
21	94	32	71	48	59	42	50.5	0	14.5	0.54
22	92	29	70	47	64	42	53	0	12	0
23	91	30	70	47	65	49	57	0	8	1.27
24	91	30	71	47	61	48	54.5	0	10.5	0.2
25	93	25	71	48	56	44	50	0	15	T
26	93	26	71	48	55	38	46.5	0	18.5	0
27	89	27	72	48	70	38	54	0	11	0
28	91	23	71	47	71	43	57	0	8	0
29	96	28	71	47	68	43	55.5	0	9.5	0
30	93	22	71	46	76	46	61	0	4	0
1	100	39	81	58	93	69	81	16	0	0

Temperature

1896-1995 AVG. HI: 75.5(F)
 1896-1995 AVG. LO: 52.5(F)
 1896-1995 AVG. TEMP: 64.2(F)
 SEPTEMBER 2000 AVG. HI: 75.0(F)
 SEPTEMBER 2000 AVG. LO: 52.1(F)
 SEPTEMBER 2000 AVG. TEMP: 63.5(F)

Precipitation

SEPTEMBER TOTAL: 4.59in.
 SEPTEMBER AVG: 3.68in.
 SNOW: 0.0in.
 YEAR TO DATE: 31.40in.
 YEAR TO DATE AVG: 28.79in.

Degree Days

COOLING: 9/00: 115.5
 1/00-Now: 646.5
 HEATING: 9/00: 162
 1/00-Now: 165.5

DISCUSSION

Hello all. The transition from summer to autumn is underway as is apparent by the downward orientation of the temperature graphs. An overview of monthly temperatures depicts a very close to average September, as the monthly average high temperature, monthly average low temperature, and the average daily temperature are only slightly above average. Summer was stubborn to leave early in September as we started the month above average temperature wise for nine of the first 12 days. However, as is usual for this time of the year, the clashing zone between tropical and polar air masses has moved south, bringing with it low pressure systems and a roller coaster ride of temperatures. Mid to late September was characterized by a stormy pattern, the result of an upper level trough which dug into the central United States and sent pieces of energy toward us. Rainfall totaled almost a full inch above average. The dynamics of the atmosphere were such that some severe weather affected the area, with even some small hail reported on the 12th. However, a return to a more zonal (east to west) flow in our upper atmosphere took over in late September drying things out and modifying our temperatures. As the days get cooler and the nights get longer, the oncoming of fall will become more and more evident during the month of October with the first frost and fall foliage becoming more pronounced. Who knows, it has been known to snow in the DeKalb area during the month of October...the temperature has also soared over 90 degrees!!

Jesse Sparks, Senior Weather Director/Cooperative Observer, NIU

Weather Office. (815) 753-0578

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