

MONTHLY CLIMATE SUMMARY, SEPTEMBER 2018

NIU WEATHER SERVICE: DE KALB, 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	80	59	84	59	71.5	7	0	22	0.14	0
2	101	35	80	58	86	69	77.5	13	0	28	0.32	0
3	99	40	80	58	88	68	78	13	0	28	0.35	0
4	100	41	80	57	85	68	76.5	12	0	27	0.24	0
5	99	40	78	57	91	69	80	15	0	30	0	0
6	100	36	79	57	87	62	74.5	10	0	25	0.19	0
7	101	37	80	58	66	59	62.5	0	2	13	0.16	0
8	99	27	80	56	67	60	63.5	0	1	14	0.02	0
9	96	39	78	56	69	55	62	0	3	12	0	0
10	96	36	78	56	70	51	60.5	0	4	11	0	0
11	94	30	79	55	73	52	62.5	0	2	13	0	0
12	96	32	79	55	80	55	67.5	3	0	18	0	0
13	98	33	78	55	82	57	69.5	5	0	20	0	0
14	100	29	77	54	80	57	68.5	4	0	19	0	0
15	101	33	75	52	87	62	74.5	10	0	25	0	0
16	92	30	74	52	85	64	74.5	10	0	25	0	0
17	94	33	73	51	91	66	78.5	14	0	29	0	0
18	97	30	75	53	91	67	79	14	0	29	0	0
19	93	32	76	53	74	62	68	3	0	18	0.43	0
20	93	28	74	52	77	63	70	5	0	20	0.05	0
21	94	32	71	49	93	64	78.5	14	0	29	0	0
22	92	29	72	49	73	45	59	0	6	9	0	0
23	91	30	71	48	66	44	55	0	10	5	0	0
24	91	30	71	48	74	49	61.5	0	3	12	0	0
25	93	25	69	48	76	54	65	0	0	15	0.02	0
26	93	26	70	48	83	46	64.5	0	0	15	0.41	0
27	89	27	72	48	68	43	55.5	0	9	6	0	0
28	91	23	70	48	70	43	56.5	0	8	7	0	0
29	96	28	69	47	57	38	47.5	0	17	0	0.11	0
30	93	22	71	47	55	39	47	0	18	0	0.06	0

Temperature

1981-2010 AVG. HI: 75.3 (F)
 1981-2010 AVG. LOW: 52.8 (F)
 1981-2010 AVG. TEMP.: 64.1 (F)
 Sept. 2018 AVG. HI: 77.6 (F)
 Sept. 2018 AVG. LO: 56.3 (F)
 Sept. 2018 AVG. TEMP.: 67.0 (F)

Precipitation

Sept. 2018 TOTAL: 2.50 in.
 Sept. AVG.: 3.16 in.
 Sept. 2018 SNOW: 0
 Sept. SNOW AVG: 0
 2018 liquid-eq. YEAR TO DATE: 30.97 in.
 liquid-eq. YEAR TO DATE AVG.: 29.08 in.
 2018-19 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 9/18: 152
 1/18-Now: 932
 HEATING: 9/18: 83
 7/18-Now: 84
 GROWING: 9/18: 524
 1/18-Now: 3108

Discussion

September had a mean temperature of 67 °F, which is 2.9 degrees above the historical average of 64.1 °F. The average high temperature of 77.6 °F was 2.3 degrees above the historical average of 75.3 °F. The average low temperature of 56.3 °F was 3.5 degrees above the historical average of 52.8 °F. The month of September 2018 had the 7th highest mean temperature since 1966. It also had the 5th highest average low temperatures in the past 53 years. We saw 19 days with above average high temperatures and 9 days with below average low temperatures.

September's precipitation total for 2018 was 2.5 in, which is 0.66 in. below the average of 3.16 in. This brings the year to date liquid equivalent total to 30.97 in., which is 1.89 in. above the liquid equivalent year to date average. Most of the precipitation fell during the first half of the month, with 56 % occurring within the first 15 days of the month.

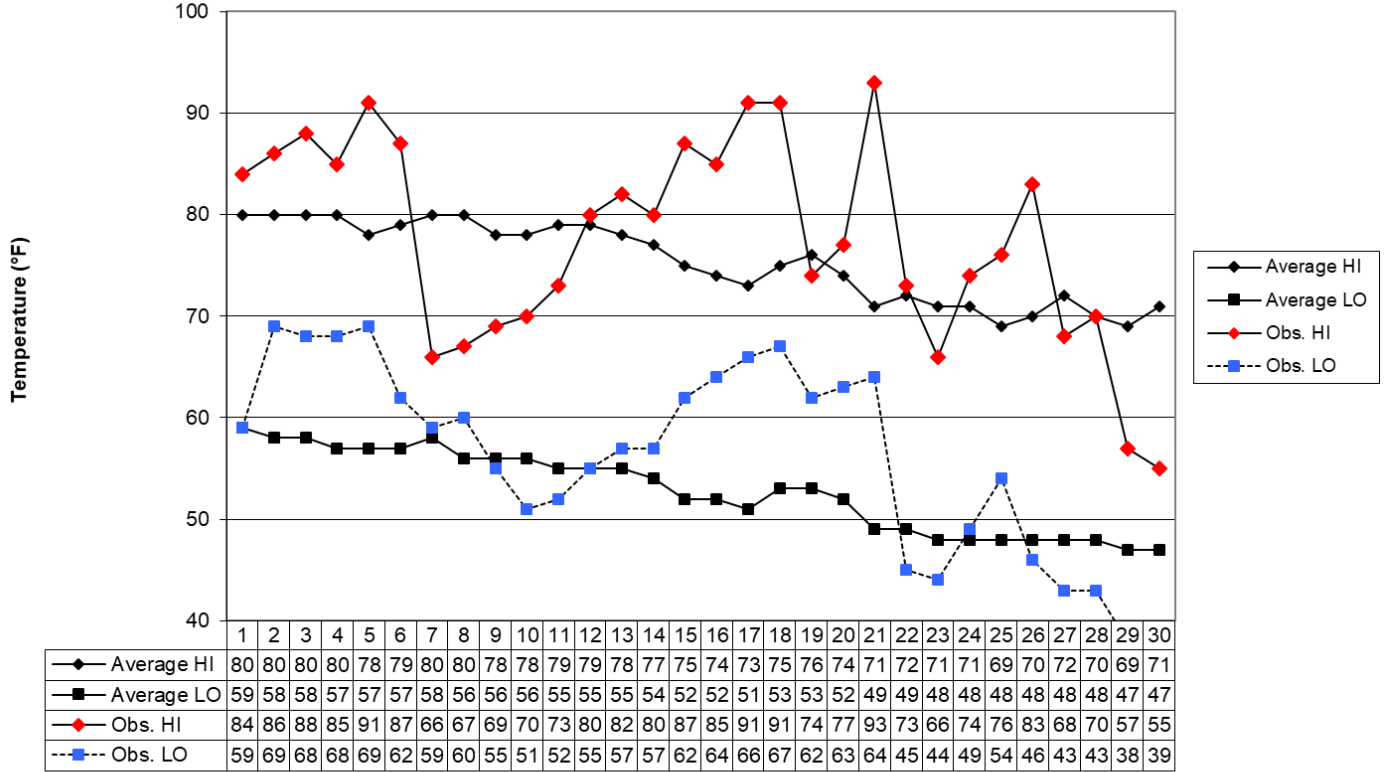
The total number of growing degree days for the month of September was 524 days. This put the total number of growing degree days since January to 3108 days. There were 152 cooling degree days, putting the total since January to 932 total cooling degree days. The past month also saw a total of 83 heating degree days occur. September 2018's total for growing degree days is the 6th largest number of growing degree days for the month of September on record. The month of September 2018 also has the 5th largest number of cooling degree days on record as well.

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This summary was prepared by Nicholas Rodeo, 14 October 2018. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.
 Climate Website: <http://climate.niu.edu>

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September 2018 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by Nick Rodeo, NIU Weather Director



Day