MONTHLY CLIMATE SUMMARY, JULY 2016 NIU WEATHER SERVICE: DE KALB, IL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	GDD	HDD	CDD	Precip. (in)
1	101	43	82	60	75	60	67.5	17.5	0	2.5	T
2	101	45	81	60	73	56	64.5	14.5	0.5	0	0
3	104	41	82	61	72	56	64	14.0	1	0	0
4	106	43	83	64	76	60	68	18	0	3	0.01
5	104	45	84	63	76	65	70.5	20.5	0	5.5	0.01 T
6	105	43	84	63	85	66	75.5	25.5	0	10.5	1.91
7	103	46	84	62	84	68	76	26	0	11	0.1
8	105	40	83	63	81	68	74.5	24.5	0	9.5	Т
8 9	105	41	85	64	84	61	74.5	24.5 22.5	0	9.5 7.5	0
9 10	105	46	84	63	80	61	72.5	22.5	0	5.5	0
10	103	40	83	61	79	64	70.5	20.5	0	6.5	0
11	107	42	83	63	88	69	78.5	21.5	0	13.5	0
									0		0
13 14	106 109	44	83 84	63 64	85	68 65	76.5 75	26.5	0	11.5 10	
		45			85	65		25			0.06
15	98	42	84	63	85	60	72.5	22.5	0	7.5	0
16 17	100	40	85	64 05	73	56	64.5	14.5	0.5 0	0 4	0.02 0
	100	43	86	65	78	60	69	19			
18	100	44	85	66	82	65	73.5	23.5	0	8.5	0.15
19	100	45	85	65	84	64	74	24	0	9	0
20	102	47	85	64	84	69	76.5	26.5	0	11.5	0
21	106	46	84	65	84	70	77	27	0	12	0
22	103	43	83	63	92	68	80	30	0	15	1.47
23	106	45	82	62	87	69	78	28	0	13	0
24	106	48	82	61	87	70	78.5	28.5	0	13.5	0.81
25	104	41	84	63	92	69	80.5	30.5	0	15.5	0.01
26	105	46	83	63	85	69	77	27	0	12	0
27	102	46	83	63	85	67	76	26	0	11	0 0
28 29	103 104	48 46	83 83	63 62	86 84	70 67	78 75.5	28 25.5	0 0	13 10.5	0.59
30	104	45	83	63	79	65	72	20.0	0	7	0.00
31	104	44	83	63	79	61	70	20	0	5	0
<u>Temperature</u> 1981-2010 AVG. HI: 82.2(F) 1981-2010 AVG. LOW: 62.9(F) 1981-2010 AVG. TEMP.: 73.2(F) July 2016 AVG. HI: 82.2(F) July 2016 AVG. LO: 64.7(F) July 2016 AVG. TEMP.: 73.5(F)			<u>Precipitation</u> July 2016 TOTAL: 5.30 in. July AVG:: 4.32 in. July 2015 SNOW: 0 July SNOW AVG: 0 2016 liquid-eq. YEAR TO DATE: 22.15 in. liquid-eq. YEAR TO DATE AVG.: 21.59 in. 2016-17 Seasonal SNOW TO DATE: 0 Seasonal SNOW TO DATE AVG.: 0				<u>Degree Days</u> COOLING: HEATING: GROWING:	7/16: 264.5 1/16-Now: 550 7/16: 2 7/16-Now: 2 7/16: 727.5 1/16-Now: 1847			

Discussion

July 2016 temperatures were either at or above the historical (30-year, 1981-2010) averages. The average high temperature of 82.2 degrees is equivalent to the historical average high temperature. The average low of 64.7 degrees was 1.8 degrees above the historical average low temperature. The July average temperature is only 0.3 degrees above the July historical average. There were 3 days that had low temperatures of 56 degrees, all of which were lower than their respective average low temperature. Only two days surpassed 90 degrees in July 2016.

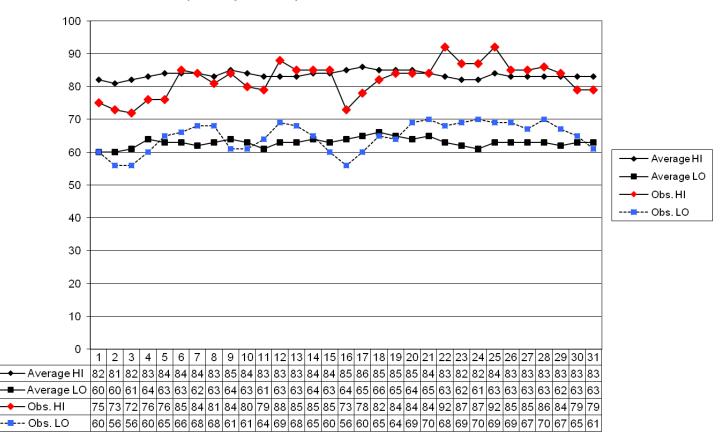
Total liquid-equivalent precipitation for this month was 5.30 in., which is about an inch above the historical average total of 4.32 inches. The year to date liquid equivalent now stands at 22.15 in., which is 0.56 inches above the year to date average of 21.59 in. July 6^{th} and 27^{th} accounted for more than half (63.8%) of the total monthly precipitation.

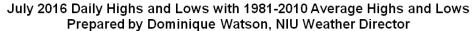
Alyssa Ariaz, Lauren Haas, Michael Keierleber, Jim Kolar, David Pridmore, Marc Quatrini, Cole Wildman - Cooperative Observers

Dominique Watson-Weather Director

This summary was prepared by Dominique Watson, 10 August 2016. Forecast information (updated once daily at approx. 7:30 am): (630) 999-1327. *Climate Website: http://climate.niu.edu*

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





Day