

MONTHLY CLIMATE SUMMARY, MARCH 2013

NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record HI	Record LO	Average HI	Average LO	Obs. HI	Obs. LO	Obs. Avg.	CDD	HDD	GDD	Precip. (in)	Snowfall (in)
1	65	-13	38	22	34	23	28.5	0	36.5	0	0.01	0.1
2	66	-9	41	22	25	16	20.5	0	44.5	0	T	0.1
3	72	-5	38	21	25	8	16.5	0	48.5	0	0	0
4	70	-3	37	21	30	10	20	0	45	0	0	0
5	71	-7	41	23	32	21	26.5	0	38.5	0	0.06	0.8
6	69	-7	41	24	32	25	28.5	0	36.5	0	0.61	10.2
7	70	-7	40	23	30	24	27	0	38	0	0	0
8	77	-13	40	23	34	17	25.5	0	39.5	0	0	0
9	73	-3	41	23	37	22	29.5	0	35.5	0	T	0
10	69	-2	40	22	41	31	36	0	29	0	0.5	0
11	69	-3	42	24	44	35	39.5	0	25.5	0	0.5	0
12	72	-6	44	24	35	25	30	0	35	0	0.08	0.1
13	77	5	45	27	34	21	27.5	0	37.5	0	T	T
14	71	5	46	28	30	20	25	0	40	0	0	0
15	77	9	47	27	31	20	25.5	0	39.5	0	T	T
16	79	-1	45	27	37	26	31.5	0	33.5	0	0.05	0
17	80	-2	45	28	31	23	27	0	38	0	0	0
18	80	-1	45	27	33	23	28	0	37	0	0.02	T
19	79	-8	44	28	33	14	23.5	0	41.5	0	0.05	T
20	77	2	46	27	30	10	20	0	45	0	0	0
21	82	4	46	28	27	10	18.5	0	46.5	0	0	0
22	83	1	46	28	29	10	19.5	0	45.5	0	0	0
23	80	0	50	29	36	17	26.5	0	38.5	0	0	0
24	84	3	51	31	38	20	29	0	36	0	T	T
25	81	3	52	32	35	26	30.5	0	34.5	0	0.01	0.5
26	80	7	51	33	34	26	30	0	35	0	T	T
27	82	9	53	33	41	31	36	0	29	0	T	T
28	82	8	54	34	42	27	34.5	0	30.5	0	0	0
29	84	12	53	33	53	32	42.5	0	26.5	0	0	0
30	84	5	52	34	57	34	45.5	0	22.5	0	0	0
31	81	7	55	35	34	23	28.5	0	19.5	0	T	0

Temperature

1981-2010 AVG. HI: 46.8(F)
 1981-2010 AVG. LOW: 27.0(F)
 1981-2010 AVG. TEMP: 36.2(F)
 March 2013 AVG. HI: 35.4(F)
 March 2013 AVG. LO: 21.8(F)
 March 2013 AVG. TEMP: 28.6(F)

Precipitation

March 2013 TOTAL: 1.89 in.
 March AVG: 2.26 in.
 March 2013 SNOW: 11.8 in.
 March AVG SNOW: 4.2 in.
 2013 liquid-eq. YEAR TO DATE: 8.03in.
 liquid-eq. YEAR TO DATE AVG: 5.28 in.
 2012-13 Seasonal SNOW TO DATE: 31.4 in.
 Seasonal SNOW AVG: 33.9 in.

Degree Days

COOLING: 3/13: 0
 1/13-Now: 0
 HEATING: 3/13: 1128
 7/12-Now: 5811.5
 GROWING: 3/13: 0
 1/13-Now: 0

Discussion

Temperatures in March 2013 were below normal temperatures. The mean temperature for the month was 28.6 degrees, about 7.6 degrees below the historical (30-year, 1981-2010) average of 36.2 degrees. This mean-temperature value is the lowest on record since 1966; the current record value was 22.9 degrees, set in 1960. The monthly average high temperature of 35.4 degrees (11.4 degrees below the historical-average value) was also the lowest on record since 1966 (current record: 33.3 degrees, 1960). The monthly average low ranked 5th lowest since 1966 and was 5.2 degrees cooler than the normal average low temperature. There were only 3 days out of the month with highs above average and 7 days with lows above average.

Precipitation in March was also below the historical average. Liquid-equivalent precipitation totaled 1.89 in., the historical-average total being 2.26 in. The temporal distribution of the rainfall was uneven, with most of it falling in the beginning of the month. Year-to-date precipitation as of the end of the month totaled 8.03 in., about 52 percent above the historical-average total of 5.28 in., making this the 5th wettest Jan- Mar on record since 1966 (wettest on record is 12.77 in set in 1898). March snow totaled 11.8in., 7.6 in above the average of 4.2in. This makes this March the 4th snowiest on record since 1966 (the record being in 1912 with 25 in.).

March has also had the most heating degree-days on record since 1966; the current record is 1295 recorded in 1960.

John Barmann, Tim Chinnock, Kristian Kamendahl, Doug Dziubla, Matthew Feldbusch, Nick Gray, Kyle Kiel, Kevin Kucharski, Stephanie Gizzi, Joe Rodey, Melissa Randich, Jason Maddon, Jodi Wright—Cooperative Observers.
 Richard C. Medicott —Weather Director.

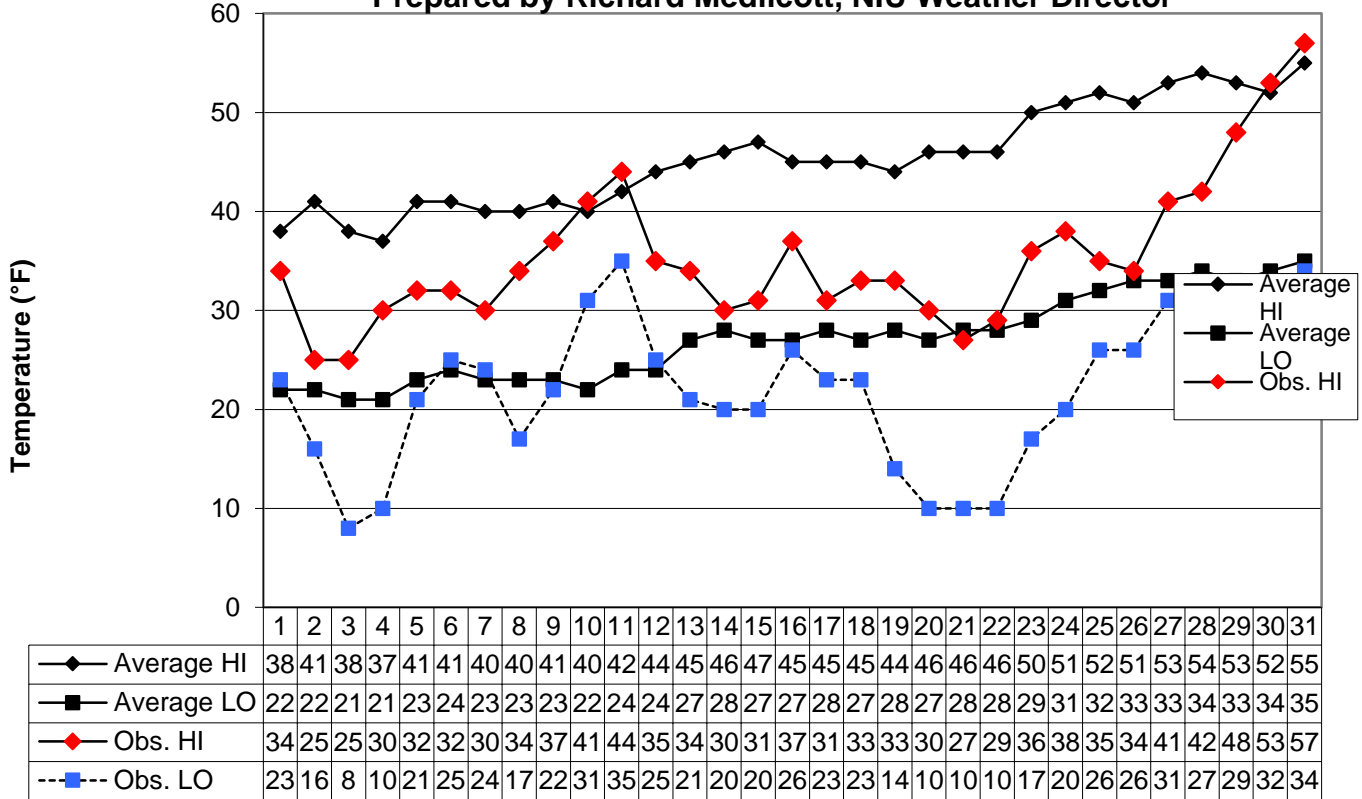
This summary was prepared by Richard C. Medicott 31 March 2013. Forecast information (updated once daily at approx. 7:30 am): (847) 848-4082.

Climate Website: <http://climate.niu.edu>. Enquiries about this summary should be directed by e-mail message to <imedlicott90@gmail.com>.

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March 2013 Daily Highs and Lows with 1981-2010 Average Highs and Lows

Prepared by Richard Medicott, NIU Weather Director



Day