

MONTHLY CLIMATE SUMMARY, NOVEMBER 2019

NIU WEATHER SERVICE: DE KALB, IL.

Day	Record	Record	Average	Average	Obs.	Obs.	Obs.	GDD	CDD	HDD	Precip.	Snowfall
	HI	LO	HI	LO	HI	LO	Avg.				(in)	(in)
1	82	15	56	38	29	17	23	0	0	42	0.26	3
2	77	12	54	37	39	18	28.5	0	0	36.5	0.01	T
3	75	8	52	33	41	27	34	0	0	31	0	0
4	75	8	52	34	50	31	40.5	0	0	24.5	T	0
5	75	1	51	33	49	28	38.5	0	0	26.5	0	0
6	74	11	48	31	38	28	33	0	0	32	0	0
7	75	7	49	32	53	20	36.5	0	0	28.5	T	T
8	72	6	51	32	28	13	20.5	0	0	44.5	0	0
9	76	8	51	32	31	13	22	0	0	43	0	0
10	74	13	51	33	46	27	36.5	0	0	28.5	0	0
11	74	8	48	30	38	20	29	0	0	36	0.18	2.7
12	72	0	45	29	21	0	10.5	0	0	54.5	0.04	0.8
13	69	0	47	29	15	0	7.5	0	0	57.5	0	0
14	73	2	49	31	25	13	19	0	0	46	T	T
15	70	2	47	32	27	16	21.5	0	0	43.5	T	T
16	73	-2	45	31	36	16	26	0	0	39	0	0
17	72	-2	45	30	40	26	33	0	0	32	0	0
18	72	5	46	30	37	26	31.5	0	0	33.5	0.02	0
19	73	6	47	32	36	32	34	0	0	31	T	0
20	67	3	48	29	38	33	35.5	0	0	29.5	0.09	0
21	72	2	44	28	49	35	42	0	0	23	0.47	0
22	68	0	42	26	53	27	40	0	0	25	T	0
23	67	-2	45	27	34	23	28.5	0	0	36.5	0	0
24	64	-5	44	26	40	26	33	0	0	32	0	0
25	64	-6	41	25	49	30	39.5	0	0	25.5	0	0
26	65	-4	44	27	54	31	42.5	0	0	22.5	0	0
27	65	-2	44	29	54	32	43	0	0	22	0.36	0
28	66	-6	43	27	42	17	29.5	0	0	35.5	0	0
29	64	-3	41	26	34	30	32	0	0	33	T	T
30	65	-9	40	27	38	32	35	0	0	30	0.07	0

Temperature

1981-2010 AVG HI: 46.9 °F
 1981-2010 AVG LOW: 30.1 °F
 1981-2010 AVG TEMP.: 38.5 °F
 November 2019 AVG HI: 38.8 °F
 November 2019 AVG LOW: 22.9 °F
 November 2019 AVG TEMP: 30.8 °F

Precipitation

November 2019 TOTAL: 1.5 in.
 November AVG: 2.68 in.
 November 2019 SNOW: 6.5 in.
 November SNOW AVG.: 1.1 in.
 2019 Liquid-Eq. YEAR TO DATE: 44.05 in.
 Liquid-Eq. YEAR TO DATE AVG: 35.51 in.
 2019-2020 Seasonal SNOW TO DATE: 7.9 in.
 Seasonal SNOW TO DATE AVG: 1.2 in.

Degree Days

COOLING: 11/19: 0
 1/19-Now: 766.5
 HEATING: 11/19: 1024.5
 7/19-Now: 1546
 GROWING: 11/19: 0
 1/19-Now: 2961.5

Discussion

November's average temperature was 30.8°F, which is 7.7 degrees cooler than the historical average temperature for November. The average high of 38.8 °F was 8.1 degrees cooler than the historical average, and the average minimum temperature of 22.9°F was 7.2 degrees cooler than the historical average. November of 2019 had only 6 days with at or above average highs, and 10 days with at or above average lows. Since records began in 1966, November 2019 ranked as the 5th coldest in terms on average temperature. Two record lows were broken on the 12th and 13th, both featuring a low of 0, breaking the old record of 11 degrees and 3 degrees respectively. The 12th and 13th also set a record for the coldest maximum temperature for both dates, when the highs only rose to 21 degrees and 15 degrees respectively. This broke the previous records of 25 degrees for the 12th and 23 degrees for the 13th, both set back in 1995.

November's precipitation total for 2019 was 1.5 inches, which was 1.18 inches below average. The total liquid-equivalent year to date is now 44.05 inches, which is 8.54 inches above the year to date average. The highest amount of precipitation occurred on the 21st, with 0.47 inches. This past month saw the majority of the precipitation occur in the latter half of the month as 68% of the precipitation occurred after the 15th of November.

The snowfall total for the month was 6.5 inches. This snowfall total is 5.4 inches above average and was the 4th snowiest November in the past 53 years. The largest snowfall in November occurred on the 1st, when 3 inches fell. The seasonal snow to date is now 7.9 inches and is 6.7 inches above the average seasonal snow to date.

November of 2019 saw no growing degree days (GDDs) or cooling degree days (CDDs). Therefore, the total number of CDDs is still 766.5, and the total number of GDDs is still 2961.5. November of 2019 saw a total of 1024.5 heating degree days (HDDs), putting the total since 7/19 to 1546 HDDs.

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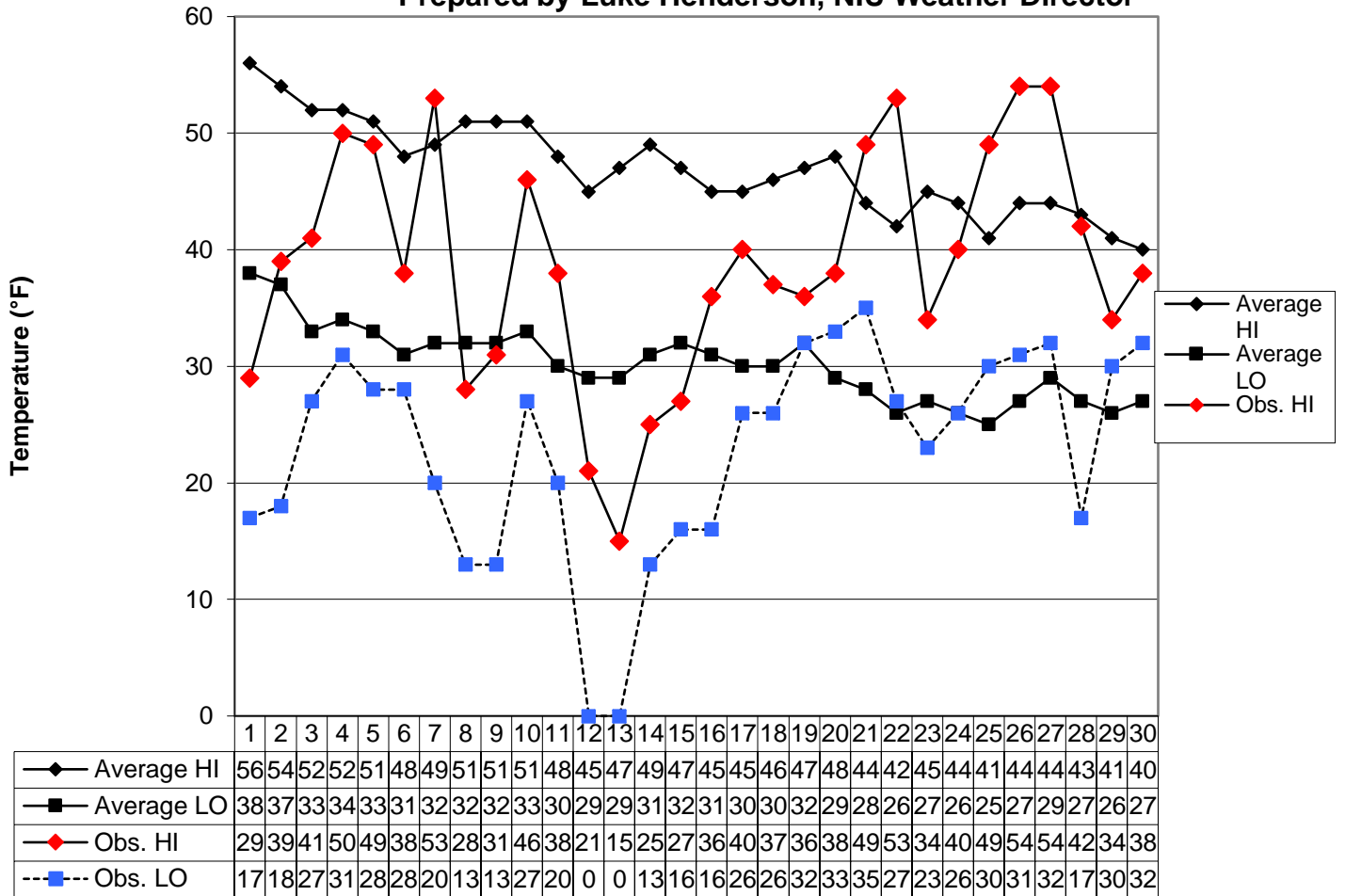
This summary was prepared by Luke Henderson, 17 December 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.

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.

November 2019 Daily Highs and Lows with 1981-2010 Average Highs and Lows

Prepared by Luke Henderson, NIU Weather Director



Day