



Champaign-Urbana Weather Highlights – November 2010

Jim Angel, State Climatologist

November was warmer and wetter than normal.

Temperatures

Three new record highs were set this month. On November 9, the high of 75 °F beat the old record of 74 °F set in 1999. On November 11, the high of 77 °F beat the old record of 75 °F set in 1964. On November 12, the high of 75 °F beat the old record of 73 °F set in 1902.

The clear, dry weather through most of November allowed daytime temperatures to climb higher and nighttime temperatures to drop lower than usual. As a result, the average low temperature for November was 2.3 °F below normal (28th coldest on record) while the average high temperature was 4.2 °F above normal (16th warmest on record). The net result was that the average mean temperature was 1.0 °F above normal.

Precipitation

The precipitation total for November was 3.86 inches, 0.41 inches above normal. Almost all that rain fell in the last 8 days of the month.

Additional Information

For detailed rainfall reports in Champaign County, check out the new volunteer rain gauge network in Illinois called the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) at <http://www.cocorahs.org/>.

Detailed monthly reports from the ISWS automated site are at <http://www.isws.illinois.edu/warm/data/2010/November/Champaign.txt>.

For more information on the climate of Illinois, visit the state climatologist web site at <http://www.isws.illinois.edu/atmos/statecli/>.

Also, check out the new state climatologist blog at <http://climateillinois.wordpress.com/>

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

November 2010

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	Heat	Cool
1	57	36	47	0.00	0.0	0			M	M		18	0
2	51	32	42	0.00	0.0	0			M	M		23	0
3	58	29	44	0.00	0.0	0			M	M		21	0
4	53	39	46	0.00	0.0	0			M	M		19	0
5	42	31	37	0.10	0.0	0	RW-,IP		M	M		28	0
6	46	22	34	0.00	0.0	0			M	M		31	0
7	63	25	44	0.00	0.0	0			M	M		21	0
8	71	36	54	0.00	0.0	0			M	M		11	0
9	75	36	56	0.00	0.0	0			M	M		9	0
10	72	38	55	0.00	0.0	0			M	M		10	0
11	77	45	61	0.00	0.0	0			M	M		4	0
12	75	44	60	0.00	0.0	0			M	M		5	0
13	54	39	47	T	0.0	0			M	M		18	0
14	52	29	41	0.07	0.0	0	RW-,F(AM)		M	M		24	0
15	58	32	45	0.00	0.0	0			M	M		20	0
16	45	29	37	T	0.0	0	R-		M	M		28	0
17	50	29	40	0.00	0.0	0			M	M		25	0
18	44	25	35	T	0.0	0	R-		M	M		30	0
19	51	19	35	0.00	0.0	0	F(AM)		M	M		30	0
20	44	27	36	0.00	0.0	0	F,FZFG		M	M		29	0
21	62	37	50	0.00	0.0	0			M	M		15	0
22	68	41	55	0.02	0.0	0	RW-,H		M	M		10	0
23	41	26	34	0.98	0.0	0	RW,T		M	M		31	0
24	40	26	33	T	T	0	RW-,IP,ZR-		M	M		32	0
25	46	23	35	1.57	0.0	0	TRW,ZR-		M	M		30	0
26	35	21	28	0.38	T	0	RW,RW-,S-		M	M		37	0
27	37	24	31	0.00	0.0	0			M	M		34	0
28	46	23	35	0.00	0.0	0			M	M		30	0
29	49	32	41	0.00	0.0	0			M	M		24	0
30	51	25	38	0.74	0.0	0	RW,RW-		M	M		27	0
AVG/TOT	53.8	30.7	42.3	3.86	0.0	0.0						674	0
DEP.	+4.2	-2.3	+1.0	+0.41	-2.1				S			-37	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	0	0	20	0	11	7	5	3	1	0
DEP	0	-2	+5	0		-3	-1	+1	0	-1

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-November
TOTAL	10	0	1	2	2	0	2	3	0	1	0	989	1326	33.13
DEP	+1	-5	-3	+1			+1	-1				-153	+340	-5.16

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 am LST

M = Missing

WEATHER TYPES:

- R = Rain Z = Freezing rain/drizzle D = Dust
- L = Drizzle IP = Ice pellets (sleet) H = Haze
- S = Snow A = Hail BS = Blowing snow
- T = Thunder F = Fog RW = Rainshower SW = Snowshower

PRECIP INTENSITY

- Light Precip amount "T" =Trace
- Moderate
- + Heavy

DEGREE DAYS Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.