



## Champaign-Urbana Weather Highlights – October 2009

Jim Angel, State Climatologist

**Temperatures** for October were below normal. The average high temperature of 58.0°F was 7.2°F below normal and the 4<sup>th</sup> coolest on record. The average low temperature of 41.5°F was 1.8°F below normal and the 25<sup>th</sup> coolest on record. The average mean temperature of 49.8°F was 4.5°F below normal and the 10<sup>th</sup> coolest on record.

**Precipitation** for October was 8.79 inches, 5.98 inches above normal. This was the 2<sup>nd</sup> wettest October on record. The wettest October on record was 1941 with 9.01 inches. The January-October precipitation total was 43.55 inches, 8.71 inches above normal and the 5<sup>th</sup> wettest on record.

Climatological normal is defined as the 30-year average from 1971 to 2000 and is updated every 10 years.

### Additional Information

Additional information for October can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site at <http://www.sws.uiuc.edu/warm/data/2009/October/Champaign.txt>.

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

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

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# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

**October 2009**

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	60	43	52	0.00	0.0	0			M	M		13	0
2	59	46	53	1.00	0.0	0	RW-,RW+,T,A		M	M		12	0
3	54	45	50	0.01	0.0	0	RW-		M	M		15	0
4	63	40	52	0.01	0.0	0	RW-		M	M		13	0
5	67	42	55	0.00	0.0	0			M	M		10	0
6	66	47	57	0.25	0.0	0	TRW-		M	M		8	0
7	63	41	52	0.04	0.0	0	RW-		M	M		13	0
8	52	45	49	0.20	0.0	0	RW		M	M		16	0
9	52	40	46	1.97	0.0	0	RW+,RW-,RW,F(A)		M	M		19	0
10	55	33	44	0.45	0.0	0	RW-,RW,F(AM)		M	M		21	0
11	50	35	43	0.00	0.0	0			M	M		22	0
12	57	38	48	0.10	0.0	0	RW-		M	M		17	0
13	52	40	46	0.01	0.0	0	RW-		M	M		19	0
14	47	40	44	0.34	0.0	0	RW-,RW		M	M		21	0
15	43	39	41	0.33	0.0	0	RW-,RW		M	M		24	0
16	47	38	43	0.07	0.0	0	RW-		M	M		22	0
17	50	39	45	T	0.0	0	RW-		M	M		20	0
18	57	31	44	0.00	0.0	0			M	M		21	0
19	68	36	52	0.00	0.0	0			M	M		13	0
20	72	42	57	0.00	0.0	0			M	M		8	0
21	70	47	59	0.00	0.0	0			M	M		6	0
22	63	49	56	0.00	0.0	0			M	M		9	0
23	62	43	53	1.86	0.0	0	RW+		M	M		12	0
24	55	38	47	0.05	0.0	0	RW-		M	M		18	0
25	68	42	55	0.00	0.0	0			M	M		10	0
26	60	48	54	0.03	0.0	0	RW-		M	M		11	0
27	52	46	49	0.13	0.0	0	RW-,F		M	M		16	0
28	56	47	52	0.31	0.0	0	RW-,F		M	M		13	0
29	61	50	56	0.00	0.0	0			M	M		9	0
30	66	45	56	0.80	0.0	0	RW+,RW-		M	M		9	0
31	51	33	42	0.83	0.0	0	RW+,RW,RW-		M	M		23	0
<b>AVG/TOT</b>	<b>58.0</b>	<b>41.5</b>	<b>49.8</b>	<b>8.79</b>	<b>0.0</b>							<b>463</b>	<b>0</b>
DEP.	-7.2	-1.8	-4.5	+5.98	-0.1				SW			+117	-9

### 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	1	0	21	20	13	5	3				0	
DEP	0	0	-3	0	-11 +8 +3 +2							0		

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	19	1	0	0	0	0	2	4	0	0	0	509	837	43.55
DEP	+9	-3				0	0	0				+78	-149	+8.71

**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.