



## Champaign-Urbana Weather Highlights – August 2009

Jim Angel, State Climatologist

**Temperatures** for August were below normal. The average high temperature of 80.5°F was 2.7°F below normal and the 10<sup>th</sup> coldest on record for August. The average low temperature of 60.4°F was 2.3°F below normal and the 20<sup>th</sup> coldest on record for August. The average mean temperature of 70.5°F was 2.5°F below normal and the 14<sup>th</sup> coldest on record for August. Only three 90-degree days were reported in August. August records began in 1889.

The average summer (June-August) temperature was 71.7°F, 1.3°F below normal and the 15<sup>th</sup> coolest summer on record.

**Precipitation** for August was 5.62 inches, 1.25 inches above normal. While on the wet side, it was far from the record of 10.02 inches set in August 1993. The 2.67 inches of rain on August 28 set a new record for that date.

The average summer precipitation was 16.33 inches, 3.08 inches above normal and the 12<sup>th</sup> wettest summer on record.

### Additional Information

Additional information for August 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/August/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

### August 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	Corn
1	77	56	67	0.00	0.0	0			M	M		0	2	17
2	77	56	67	0.03	0.0	0	RW-		M	M		0	2	17
3	82	57	70	0.00	0.0	0			M	M		0	5	20
4	78	64	71	0.01	0.0	0	RW-		M	M		0	6	21
5	81	62	72	0.55	0.0	0	RW+,TRW-,F		M	M		0	7	22
6	80	58	69	0.00	0.0	0			M	M		0	4	19
7	77	60	69	0.00	0.0	0			M	M		0	4	19
8	90	64	77	0.09	0.0	0	RW-		M	M		0	12	25
9	91	74	83	0.00	0.0	0			M	M		0	18	30
10	85	67	76	0.00	0.0	0			M	M		0	11	26
11	85	67	76	0.00	0.0	0	F(AM)		M	M		0	11	26
12	81	62	72	T	0.0	0	RW-		M	M		0	7	22
13	84	56	70	0.00	0.0	0			M	M		0	5	20
14	86	62	74	0.00	0.0	0	F(AM)		M	M		0	9	24
15	88	62	75	0.00	0.0	0			M	M		0	10	24
16	90	66	78	0.00	0.0	0			M	M		0	13	26
17	87	67	77	0.63	0.0	0	RW-,T,RW+		M	M		0	12	27
18	83	66	75	0.72	0.0	0	TRW+		M	M		0	10	25
19	83	65	74	0.01	0.0	0	RW-		M	M		0	9	24
20	78	62	70	0.61	0.0	0	TRW,RW-		M	M		0	5	20
21	76	58	67	0.06	0.0	0	RW-		M	M		0	2	17
22	70	57	64	0.07	0.0	0	RW-,T		M	M		1	0	14
23	74	59	67	0.00	0.0	0			M	M		0	2	17
24	77	54	66	0.00	0.0	0	F(AM)		M	M		0	1	16
25	81	55	68	0.00	0.0	0	F(AM)		M	M		0	3	18
26	83	56	70	0.00	0.0	0	F(AM)		M	M		0	5	20
27	87	64	76	0.00	0.0	0	F(AM)		M	M		0	11	25
28	73	64	69	2.67	0.0	0	RW-,RW,T		M	M		0	4	19
29	73	53	63	0.17	0.0	0	RW-,F(AM)		M	M		2	0	13
30	67	52	60	0.00	0.0	0			M	M		5	0	10
31	70	47	59	0.00	0.0	0			M	M		6	0	10
<b>AVG/TOT</b>	<b>80.5</b>	<b>60.4</b>	<b>70.5</b>	<b>5.62</b>	<b>0.0</b>							<b>14</b>	<b>190</b>	<b>633</b>
DEP.	-2.7	-2.3	-2.5	+1.25	0.0				NE			+13	-65	-58

#### NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00				>=1.0	
TOTAL	3	0	0	0	13	12	6	5	1				0	
DEP	-2	0	0	0	+3	-1	+2	0				0		

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION		
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-August	
TOTAL	13	0	0	0	0	0	6	8	0	0	0	14	744	2787	33.96	
DEP	+2	-1	0	0	0	+2	■	■	■				+13	-117	-18	+5.15

**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.