



## Champaign-Urbana Weather Highlights – September 2009

Jim Angel, State Climatologist

**Temperatures** for September were slightly above normal. The average high temperature of 76.4°F was 1.2°F below normal. Meanwhile, the average low temperature of 57.0°F was 2.4°F above normal. As a result, the average mean temperature of 66.7°F was 0.6°F above normal.

**Precipitation** for September was 0.80 inches, 2.42 inches below normal. While this was the 12<sup>th</sup> driest September on record, it was far from the record of 0.06 inches set in September 1891.

### Additional Information

Additional information for September 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/September/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

### September 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	73	50	62	0.00	0.0	0			M	M		3	0	12
2	76	52	64	0.00	0.0	0			M	M		1	0	14
3	81	57	69	0.00	0.0	0			M	M		0	4	19
4	80	59	70	0.00	0.0	0			M	M		0	5	20
5	75	59	67	0.00	0.0	0			M	M		0	2	17
6	78	63	71	0.05	0.0	0	RW-,F(PM)		M	M		0	6	21
7	79	60	70	0.00	0.0	0			M	M		0	5	20
8	79	59	69	0.00	0.0	0	F(AM)		M	M		0	4	19
9	77	62	70	0.00	0.0	0	F(AM)		M	M		0	5	20
10	82	61	72	0.00	0.0	0	F(AM)		M	M		0	7	22
11	81	61	71	0.00	0.0	0			M	M		0	6	21
12	80	57	69	0.00	0.0	0			M	M		0	4	19
13	79	56	68	0.00	0.0	0			M	M		0	3	18
14	82	55	69	0.00	0.0	0			M	M		0	4	19
15	83	59	71	0.00	0.0	0			M	M		0	6	21
16	81	58	70	0.00	0.0	0			M	M		0	5	20
17	77	52	65	0.00	0.0	0			M	M		0	0	15
18	79	51	65	0.00	0.0	0			M	M		0	0	15
19	80	57	69	0.00	0.0	0			M	M		0	4	19
20	71	57	64	0.00	0.0	0			M	M		1	0	14
21	80	62	71	0.16	0.0	0			M	M		0	6	21
22	78	65	72	0.01	0.0	0	mist, F(AM)		M	M		0	7	22
23	80	63	72	0.40	0.0	0	RW-,RW+,F(AM)		M	M		0	7	22
24	69	64	67	0.04	0.0	0	RW-,F(AM)		M	M		0	2	17
25	65	59	62	0.07	0.0	0	RW-		M	M		3	0	12
26	75	56	66	0.07	0.0	0	RW-,F(AM)		M	M		0	1	16
27	77	50	64	T	0.0	0	RW-,F(AM)		M	M		1	0	14
28	66	51	59	0.00	0.0	0			M	M		6	0	9
29	64	49	57	0.00	0.0	0			M	M		8	0	7
30	65	47	56	0.00	0.0	0			M	M		9	0	8
<b>AVG/TOT</b>	<b>76.4</b>	<b>57.0</b>	<b>66.7</b>	<b>0.80</b>	<b>0.0</b>							<b>32</b>	<b>93</b>	<b>513</b>
DEP.	-1.2	+2.4	+0.6	-2.42	0.0				SW			-52	-23	+12

#### 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	0	0	8	7	2	0	0	0
DEP	-2	0	0	0	-1	-3	-2	-1		0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	6	0	0	0	0	0	0	8	0	0	0	46	837	3300	34.76
DEP	-4	-3	0	0		-4	+3					-39	-140	-6	+2.73

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.