



Champaign-Urbana Weather Highlights – September 2010

Jim Angel, State Climatologist

September was slightly warmer than normal with near-normal rainfall.

Temperatures

The one noteworthy feature of September was the 94 °F reported on September 21. This was one degree shy of the record set in 1891. An interesting historical note is that in 1891 a string of mid 90s on September 19-25 and 27 still hold the records as the warmest on those dates. See this link to the records:

<http://www.isws.illinois.edu/atmos/statecli/cuweather/glance/glance.htm>

Precipitation

The precipitation total for September was 3.20 inches, just 0.02 inches shy of normal. CoCoRaHS observers around Champaign County reported amounts that ranged from about 3 inches to 4.59 inches.

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/September/Champaign.txt>.

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

Finally, 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

September 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	Corn
1	80	69	75	0.12	0.0	0	RW-		M	M		0	10	25
2	84	67	76	0.95	0.0	0	RW-		M	M		0	11	26
3	75	59	67	0.79	0.0	0	RW-,T		M	M		0	2	17
4	71	52	62	0.00	0.0	0			M	M		3	0	12
5	80	47	64	0.00	0.0	0			M	M		1	0	15
6	86	55	71	0.00	0.0	0			M	M		0	6	21
7	80	58	69	0.00	0.0	0			M	M		0	4	19
8	79	50	65	0.00	0.0	0			M	M		0	0	15
9	79	50	65	0.00	0.0	0			M	M		0	0	15
10	72	56	64	0.00	0.0	0			M	M		1	0	14
11	79	59	69	0.18	0.0	0	RW-		M	M		0	4	19
12	83	53	68	0.00	0.0	0			M	M		0	3	18
13	87	57	72	0.00	0.0	0			M	M		0	7	22
14	84	61	73	0.00	0.0	0			M	M		0	8	23
15	86	57	72	0.00	0.0	0			M	M		0	7	22
16	74	57	66	0.09	0.0	0	RW-		M	M		0	1	16
17	80	49	65	0.00	0.0	0			M	M		0	0	15
18	83	51	67	0.00	0.0	0			M	M		0	2	17
19	79	59	69	0.06	0.0	0	RW-,TRW-		M	M		0	4	19
20	90	62	76	0.00	0.0	0			M	M		0	11	24
21	94	62	78	0.00	0.0	0			M	M		0	13	24
22	80	64	72	0.10	0.0	0	RW-		M	M		0	7	22
23	91	63	77	0.62	0.0	0	T,RW-,RW+		M	M		0	12	25
24	77	57	67	0.07	0.0	0	RW-		M	M		0	2	17
25	70	47	59	0.01	0.0	0	RW-		M	M		6	0	10
26	61	50	56	0.20	0.0	0	RW-		M	M		9	0	6
27	67	45	56	0.01	0.0	0	RW-		M	M		9	0	9
28	75	45	60	0.00	0.0	0			M	M		5	0	13
29	79	48	64	0.00	0.0	0			M	M		1	0	15
30	78	51	65	0.00	0.0	0			M	M		0	0	15
AVG/TOT	79.4	55.3	67.4	3.20	0.0							35	114	530
DEP.	+1.8	+0.7	+1.3	-0.02	0.0					SW		-49	-2	+29

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00				>=1.0	
TOTAL	3	0	0	0	12	12	7	3	0				0	
DEP	+1	0	0	0	+4	+2	+1	-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	12	0	0	0	0	0	3	0	0	0	0	35	1308	3785	28.17	
DEP	+2	-3	0	0	-1	-5	■	■	■				-50	+331	+479	-3.86

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.