



Champaign-Urbana Weather Highlights – August 2010

Jim Angel, State Climatologist

Temperatures

- The average monthly high temperature of 88.4°F was 5.2°F above normal and the 10th warmest on record.
- The average monthly low temperature of 65.8°F was 3.1°F above normal and the 10th warmest on record.
- The average monthly mean temperature of 77.1°F was 4.1°F above normal and the 11th warmest on record.
- While not a record, there were 14 days at or above 90°F.
- The daily high temperature never dropped below 80°F for the entire month.

The average mean temperature for summer (June-August) was 76.3°F, which was 3.0°F above normal and the eighth warmest summer on record. Records for this period go back to 1889.

Precipitation

The precipitation total for August was 1.64 inches, 2.73 inches below normal. That makes it the 18th driest August on record.

The rainfall total for this summer was 13.72 inches, which was 0.47 inches above normal. However, it was not distributed evenly with 8.33 inches in June, 3.75 inches in July, and only 1.64 inches in August.

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/August/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

August 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	83	63	73	0.00	0.0	0	F(AM)		M	M		0	8	23
2	84	64	74	0.00	0.0	0	F(AM)		M	M		0	9	24
3	94	70	82	0.00	0.0	0	F(AM)		M	M		0	17	28
4	95	74	85	0.00	0.0	0	H		M	M		0	20	30
5	88	72	80	0.29	0.0	0	TRW-,F(AM)		M	M		0	15	29
6	83	64	74	0.00	0.0	0			M	M		0	9	24
7	85	60	73	0.00	0.0	0			M	M		0	8	23
8	91	61	76	0.00	0.0	0	F(AM)		M	M		0	11	24
9	93	69	81	0.00	0.0	0	F(AM)		M	M		0	16	28
10	94	75	85	0.01	0.0	0	R-		M	M		0	20	31
11	94	73	84	0.11	0.0	0	TRW		M	M		0	19	30
12	93	74	84	0.00	0.0	0			M	M		0	19	30
13	95	71	83	0.00	0.0	0			M	M		0	18	29
14	90	70	80	0.27	0.0	0	RW-,TRW-		M	M		0	15	28
15	89	69	79	0.00	0.0	0			M	M		0	14	28
16	84	63	74	0.00	0.0	0			M	M		0	9	24
17	81	61	71	0.00	0.0	0			M	M		0	6	21
18	87	65	76	T	0.0	0	RW-		M	M		0	11	26
19	91	63	77	0.00	0.0	0			M	M		0	12	25
20	93	67	80	0.00	0.0	0			M	M		0	15	27
21	85	68	77	0.92	0.0	0	TRW,RW-		M	M		0	12	27
22	88	68	78	0.00	0.0	0	F(AM)		M	M		0	13	27
23	86	64	75	0.00	0.0	0			M	M		0	10	25
24	85	64	75	0.00	0.0	0			M	M		0	10	25
25	82	63	73	0.00	0.0	0			M	M		0	8	23
26	80	57	69	0.00	0.0	0			M	M		0	4	19
27	85	54	70	0.00	0.0	0			M	M		0	5	20
28	90	57	74	0.00	0.0	0			M	M		0	9	22
29	94	67	81	0.00	0.0	0			M	M		0	16	27
30	86	65	76	0.00	0.0	0			M	M		0	11	26
31	92	66	79	0.04	0.0	0	RW-,H		M	M		0	14	26
AVG/TOT	88.4	65.8	77.1	1.64	0.0	0.0						0	383	799
DEP.	+5.2	+3.1	+4.1	-2.73	0.0					NE		-1	+128	+108

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00				>=1.0	
TOTAL	14	0	0	0	7	6	4	1	0				0	
DEP	+9	0	0	0		-3	-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-August
TOTAL	7	0	0	0	0	0	4	7	0	2	0	0	1194	3255	24.97
DEP	-4	-1	0	0			-2	+1				-1	+333	+450	-3.84

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.