



Champaign-Urbana Weather Highlights – July 2010

Jim Angel, State Climatologist

July was slightly warmer and drier than normal this year. This is in strong contrast to last July, which was the coldest July on record.

Temperatures

The daily temperature ranged from a high of 93 °F on July 7 to a low of 55 °F on July 1. The average monthly temperature of 77.0 °F was 2.0 °F above normal. While warm, temperatures in July were not record-breaking. The temperature reached at least 90 °F on 9 days, 2 days above normal. However, they were all in the low 90s.

The warmest July on record for C-U was 1936 with an average temperature of 83.8 °F. The coldest July on record was last year with an average temperature of only 70.3 °F.

Precipitation

The precipitation total for July was 3.75 inches, 0.92 inches below normal. CoCoRaHS reports revealed the wide range of rainfall totals in the area with amounts ranging from 2 to 5 inches across Champaign County.

The wettest July on record for C-U was 1992 with a rainfall total of 13.82 inches. The driest July on record was a tie between 1930 and 1916, both with only 0.47 inches of rain.

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/July/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/>.

Contact Information:
2204 Griffith Drive
Champaign, IL 61820-7495
Phone: 217-333-0729
Email: jimangel@illinois.edu

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 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	55	68	0.00	0.0	0			M	M		0	3	18
2	81	56	69	0.00	0.0	0			M	M		0	4	19
3	86	57	72	0.00	0.0	0			M	M		0	7	22
4	89	65	77	0.00	0.0	0			M	M		0	12	26
5	88	68	78	0.10	0.0	0	RW-		M	M		0	13	27
6	91	67	79	0.00	0.0	0			M	M		0	14	27
7	93	69	81	0.00	0.0	0			M	M		0	16	28
8	88	72	80	T	0.0	0	R-		M	M		0	15	29
9	87	68	78	0.02	0.0	0	RW-		M	M		0	13	27
10	87	63	75	T	0.0	0			M	M		0	10	25
11	83	62	73	0.00	0.0	0			M	M		0	8	23
12	86	67	77	T	0.0	0	R-		M	M		0	12	27
13	85	69	77	0.00	0.0	0	F(AM)		M	M		0	12	27
14	92	68	80	0.37	0.0	0	TRW-,F(AM)		M	M		0	15	27
15	92	72	82	0.00	0.0	0			M	M		0	17	29
16	86	66	76	0.68	0.0	0	TRW+		M	M		0	11	26
17	91	66	79	0.00	0.0	0			M	M		0	14	26
18	82	69	76	0.10	0.0	0	RW-		M	M		0	11	26
19	84	67	76	0.00	0.0	0	F(AM)		M	M		0	11	26
20	82	67	75	1.17	0.0	0	TRW,RW		M	M		0	10	25
21	86	70	78	0.06	0.0	0	TRW-		M	M		0	13	28
22	91	69	80	0.43	0.0	0	TRW,RW-		M	M		0	15	28
23	92	76	84	T	0.0	0	RW-		M	M		0	19	31
24	92	72	82	0.00	0.0	0			M	M		0	17	29
25	84	68	76	0.76	0.0	0	TRW-		M	M		0	11	26
26	86	65	76	0.00	0.0	0			M	M		0	11	26
27	89	69	79	0.00	0.0	0			M	M		0	14	28
28	91	71	81	0.00	0.0	0			M	M		0	16	29
29	85	71	78	0.06	0.0	0			M	M		0	13	28
30	83	65	74	0.00	0.0	0			M	M		0	9	24
31	83	68	76	T	0.0	0	RW-		M	M		0	11	26
AVG/TOT	86.9	67.0	77.0	3.75	0.0	0.0						0	377	813
DEP.	+1.7	+2.2	+2.0	-0.92	0.0				SW			0	+67	+68

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00					>=1.0
TOTAL	9	0	0	0	15	10	7	3	1					0
DEP	+2	0	0	0	+1	0	0	0	0					0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July
TOTAL	12	0	0	0	0	0	6	3	0	0	0	0	811	2456	23.33
DEP	+1	-1	0	0			-1	-1				0	+205	+342	-1.11

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.