



Champaign-Urbana Weather Highlights – July 2009

Jim Angel, State Climatologist

Temperatures for July were well below normal. The average high temperature of 79.2°F was 6.0°F below normal and the coldest on record for July. July records began in 1889. The average low temperature of 60.8°F was 4.0°F below normal and the sixth coldest on record for July. The average mean temperature of 70.0°F was 5.0°F below normal and the coldest on record for July. No 90-degree days were reported in July. This has happened only three other times – 2000, 2007, and 2008.

Precipitation for July was 6.29 inches, 1.62 inches above normal. While on the wet side, it was far from the record of 13.82 inches set in July 1992.

Additional Information

Additional information for July 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/July/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/>.

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 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	69	60	65	0.00	0.0	0			M	M		0	0	15
2	75	61	68	T	0.0	0	RW-		M	M		0	3	18
3	80	59	70	0.00	0.0	0			M	M		0	5	20
4	67	62	65	0.04	0.0	0	RW-		M	M		0	0	15
5	80	62	71	1.41	0.0	0	RW,RW-		M	M		0	6	21
6	83	61	72	0.00	0.0	0			M	M		0	7	22
7	84	63	74	0.00	0.0	0			M	M		0	9	24
8	73	60	67	0.91	0.0	0	RW,RW-		M	M		0	2	17
9	81	60	71	1.67	0.0	0	RW,RW-,T		M	M		0	6	21
10	85	64	75	0.00	0.0	0	F(AM)		M	M		0	10	25
11	82	67	75	0.01	0.0	0	RW-		M	M		0	10	25
12	78	63	71	0.05	0.0	0	RW-		M	M		0	6	21
13	83	62	73	0.00	0.0	0			M	M		0	8	23
14	80	58	69	0.00	0.0	0			M	M		0	4	19
15	83	65	74	0.83	0.0	0	TRW+		M	M		0	9	24
16	82	61	72	0.00	0.0	0			M	M		0	7	22
17	73	59	66	0.00	0.0	0			M	M		0	1	16
18	73	57	65	0.00	0.0	0			M	M		0	0	15
19	75	58	67	0.00	0.0	0			M	M		0	2	17
20	79	56	68	0.00	0.0	0			M	M		0	3	18
21	80	57	69	0.00	0.0	0			M	M		0	4	19
22	76	60	68	0.00	0.0	0			M	M		0	3	18
23	81	61	71	T	0.0	0	F(AM)		M	M		0	6	21
24	85	58	72	0.00	0.0	0			M	M		0	7	22
25	80	63	72	1.02	0.0	0	TRW+,RW-		M	M		0	7	22
26	81	61	71	0.01	0.0	0			M	M		0	6	21
27	83	61	72	0.07	0.0	0	RW-		M	M		0	7	22
28	87	66	77	0.00	0.0	0			M	M		0	12	26
29	79	61	70	0.27	0.0	0	RW-,T		M	M		0	5	20
30	79	58	69	0.00	0.0	0			M	M		0	4	19
31	80	60	70	0.00	0.0	0			M	M		0	5	20
AVG/TOT	79.2	60.8	70.0	6.29	0.0							0	164	628
DEP.	-6.0	-4.0	-5.0	+1.62	0.0				SW			0	-146	-117

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	13	11	6	5	3	0
DEP	-7	0	0	0	+2	-1	+2	+2		0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July
TOTAL	11	0	0	0	0	0	4	2	0	0	0	0	554	2154	28.34
DEP	0	-1	0	0			-3	-2				0	-52	+40	+3.90

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.