



Champaign-Urbana Weather Highlights – July 2008

Jim Angel, state climatologist

Temperatures ranged from a high of 89°F on July 20 to a low of 56°F on July 24. The monthly average maximum temperature was 83.9 °F, 1.3 degrees below normal. The monthly average minimum temperature was 63.7 °F, 1.1 degrees below normal. The monthly average mean temperature was 73.8 °F, 1.2 degrees below normal.

Precipitation for July was 7.89 inches, 3.22 inches above normal and the seventh wettest on record. The January-July precipitation was 34.30 inches, 9.86 inches above normal and the second wettest on record since 1889. Only January-July 1998 was wetter with 35.72 inches.

Additional Information

Additional information for July can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. Usually, these data are posted several days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2008/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.sws.uiuc.edu/atmos/statecli/>.

Starting July 1, 2008, the Illinois State Water Survey transferred from the Illinois Department of Natural Resources to the University of Illinois at Urbana-Champaign. Because of that switch, the style of this report has changed slightly with the highlights and appropriate affiliations on the first page and the weather statistics on the second page.

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2008

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	84	56	70	0.00	0.0	0			M	M		0	5	20
2	88	60	74	0.00	0.0	0			M	M		0	9	23
3	73	61	67	0.08	0.0	0			M	M		0	2	17
4	76	60	68	0.81	0.0	0			M	M		0	3	18
5	80	57	69	0.00	M	M			M	M		0	4	19
6	85	60	73	0.00	0.0	0			M	M		0	8	23
7	84	67	76	1.52	0.0	0			M	M		0	11	26
8	86	68	77	0.03	0.0	0			M	M		0	12	27
9	82	66	74	1.88	0.0	0			M	M		0	9	24
10	85	62	74	0.00	0.0	0			M	M		0	9	24
11	87	64	76	0.03	0.0	0			M	M		0	11	25
12	85	65	75	1.25	0.0	0			M	M		0	10	25
13	80	59	70	0.59	0.0	0			M	M		0	5	20
14	83	59	71	0.00	0.0	0			M	M		0	6	21
15	87	63	75	0.00	0.0	0			M	M		0	10	25
16	87	67	77	0.00	0.0	0			M	M		0	12	27
17	88	66	77	T	0.0	0			M	M		0	12	26
18	88	66	77	0.00	0.0	0			M	M		0	12	26
19	86	71	79	0.10	0.0	0			M	M		0	14	29
20	89	68	79	0.13	0.0	0			M	M		0	14	27
21	87	66	77	0.08	0.0	0			M	M		0	12	26
22	81	65	73	0.81	0.0	0	TRW, damaging wi		M	M		0	8	23
23	82	60	71	0.00	0.0	0			M	M		0	6	21
24	79	56	68	0.00	0.0	0			M	M		0	3	18
25	82	63	73	0.00	0.0	0			M	M		0	8	23
26	86	68	77	0.00	0.0	0			M	M		0	12	27
27	83	64	74	0.00	0.0	0			M	M		0	9	24
28	85	66	76	0.02	0.0	0			M	M		0	11	26
29	88	65	77	0.00	0.0	0	F(AM)		M	M		0	12	26
30	78	68	73	0.52	0.0	0	TRW+		M	M		0	8	23
31	86	68	77	0.04	0.0	0	RW-,F(AM)		M	M		0	12	27
AVG/TOT	83.9	63.7	73.8	7.89	0.0							0	279	736
DEP.	-1.3	-1.1	-1.2	+3.22	0.0				SW			0	-31	-9

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	16	15	9	7	3						0
DEP	-7	0	0	0	+6	+2	+4	+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	13	0	0	0	0	0	7	2	0	0	0	0	559	2052	34.30
DEP	+2	-1	0	0			0	-2				0	-47	-62	+9.86

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.