

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2007

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	81	61	71	0.00	0.0	0		NE	2.9	11.0	NE	0	6	21
2	78	56	67	0.00	0.0	0		SE	2.3	10.9	SE	0	2	17
3	82	56	69	0.00	0.0	0		SW	2.1		M	0	4	19
4	86	66	76	0.00	0.0	0		SW	4.9	15.2	SW	0	11	26
5	87	69	78	0.03	0.0	0	TRW-,F(AM)	W	3.0	12.9	W	0	13	28
6	88	65	77	0.00	0.0	0		NW	1.8	11.4	W	0	12	26
7	87	64	76	0.00	0.0	0		SW	2.1	11.0	W	0	11	25
8	89	68	79	0.00	0.0	0		SW	4.1	13.7	W	0	14	27
9	89	67	78	0.00	0.0	0		SW	3.1	16.1	W	0	13	27
10	86	69	78	0.05	0.0	0	TRW-	SW	4.7		M	0	13	28
11	78	61	70	0.00	0.0	0		NW	3.7	17.0	W	0	5	20
12	82	58	70	0.00	0.0	0		W	4.9		M	0	5	20
13	81	60	71	0.03	0.0	0	TRW-	W	2.6	12.2	W	0	6	21
14	85	57	71	0.00	0.0	0		SW	5.3	19.8	W	0	6	21
15	81	62	72	0.13	0.0	0	RW+	N	2.3	10.8	N	0	7	22
16	85	57	71	0.00	0.0	0		SW	1.8		M	0	6	21
17	80	65	73	1.07	0.0	0	TRW+,RW-	SW	3.3	18.7	N	0	8	23
18	86	66	76	1.26	0.0	0	TRW+, A	SW	3.6		M	0	11	26
19	82	62	72	0.04	0.0	0	TRW-	W	3.2		M	0	7	22
20	76	58	67	0.06	0.0	0	RW-	NE	3.8	13.8	NE	0	2	17
21	78	59	69	0.00	0.0	0		NE	2.6	10.8	NE	0	4	19
22	78	58	68	0.00	0.0	0		E	1.7	9.5	NE	0	3	18
23	81	59	70	0.00	0.0	0		SE	1.5	9.6	SE	0	5	20
24	83	59	71	0.00	0.0	0		SE	1.1	8.0	E	0	6	21
25	84	63	74	0.00	0.0	0		SE	1.3	7.1	S	0	9	24
26	85	63	74	0.00	0.0	0		SW	2.2	8.2	W	0	9	24
27	79	69	74	0.01	0.0	0	RW-	SW	2.3	9.7	W	0	9	24
28	82	68	75	0.76	0.0	0	RW, L, F(AM)	N	2.8	10.1	NE	0	10	25
29	85	67	76	0.00	0.0	0	F(AM)	NE	3.1	12.1	NE	0	11	26
30	85	64	75	0.00	0.0	0		NE	3.1	12.7	N	0	10	25
31	88	66	77	0.00	0.0	0		NE	2.2	9.7	NE	0	12	26
AVG/TOT	83.1	62.6	72.9	3.44	0.0			NE	2.9			0	250	709
DEP.	-2.1	-2.2	-2.1	-1.23	0.0			SW	-1.6			0	-60	-36

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	10	10	4	3	2				0	
DEP	-7	0	0	0	+1	-3	0	+1				0		

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION		
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-July	
TOTAL	10	1	0	0	0	1	6	3	0	0	0	0	678	2407	20.51	
DEP	-1	0	0	0	-1	-1	■	■	■				0	+72	+293	-3.93

Averages based on 1971-2000 data. Temp midnight-midnight, Precip and Snow at 8 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.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

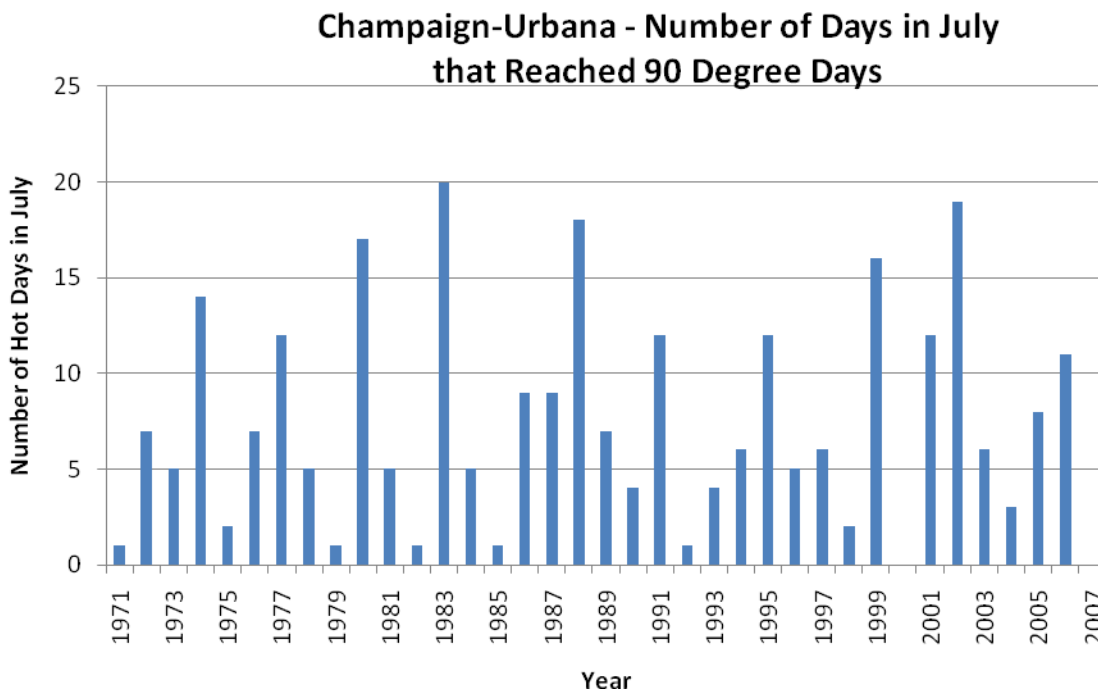
Champaign-Urbana Weather Highlights – July 2007

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 56°F on July 2 and 3 to 89°F on July 8 and 9. The monthly average mean temperature was 72.9 °F and the 15th coolest July since records began in 1889. The monthly average high temperature was 83.1 °F and the 10th coolest July. The monthly average low temperature was 62.6 °F and 17th coolest July. There were no days at or above 90°F reported in July. This only happened one other time in the historical record and that was July 2000.

Precipitation – no daily records were set this month. The monthly precipitation total of 3.44” was 1.23” below normal.



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/2007/July/Champaign.txt>

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called CoCoRaHS (Community Collaborative Rain, Hail and Snow Network at <http://www.cocorahs.com/> .

JRA

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:30 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>