

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2003

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS		
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	COVER	Heat	Cool	Corn
1	87	66	77	0.00	0.0	0		SE	2.0	9.2	SE	PC	0	12	26
2	88	67	78	0.01	0.0	0	RW-	SE	1.5	11.9	W	PC	0	13	27
3	91	66	79	0.00	0.0	0		SW	3.9	17.3	S	PC	0	14	26
4	96	74	85	0.00	0.0	0		SW	6.9	24.9	W	PC	0	20	30
5	94	73	84	0.00	0.0	0		SW	5.6	20.8	W	PC	0	19	30
6	93	67	80	0.07	0.0	0	TRW+	SW	5.5	16.8	W	PC	0	15	27
7	94	73	84	0.00	0.0	0		SW	6.6	23.6	W	PC	0	19	30
8	92	69	81	0.98	0.0	0	TRW+,TRW	W	5.3	27.2	N	PC	0	16	28
9	83	65	74	3.25	0.0	0	TRW+,TRW	S	3.4	26.0	N	CLDY	0	9	24
10	82	62	72	0.20	0.0	0	TRW	W	7.2	22.8	W	CLDY	0	7	22
11	79	61	70	0.01	0.0	0	TRW	W	6.5	21.5	W	PC	0	5	20
12	79	60	70	0.00	0.0	0		NW	2.8	15.6	N	PC	0	5	20
13	81	58	70	0.00	0.0	0		CALM	1.5	9.8	SE	CLR	0	5	20
14	85	62	74	0.00	0.0	0		S	2.5	10.6	SE	CLR	0	9	24
15	88	66	77	T	0.0	0	TRW	W	5.0	19.0	S	PC	0	12	26
16	83	67	75	0.00	0.0	0		NE	2.3	9.0	E	CLR	0	10	25
17	87	65	76	0.00	0.0	0		SW	3.4	13.9	NE	CLR	0	11	26
18	82	65	74	1.31	0.0	0	TRW+,A(1/4-1/2")	NE	4.6	15.5	NE	CLDY	0	9	24
19	82	62	72	0.00	0.0	0		NE	2.4	9.9	N	PC	0	7	22
20	87	63	75	0.00	0.0	0		SW	4.4	15.9	NW	CLR	0	10	25
21	84	67	76	0.82	0.0	0	TRW+	NW	4.0	18.4	W	PC	0	11	26
22	77	64	71	0.10	0.0	0	RW-	N	3.7	14.4	NW	PC	0	6	21
23	78	59	69	0.00	0.0	0		N	3.9	14.2	NW	PC	0	4	19
24	80	55	68	0.00	0.0	0		NW	1.9	11.9	NW	CLR	0	3	18
25	83	57	70	0.00	0.0	0		S	3.1	13.4	S	PC	0	5	20
26	85	61	73	0.00	0.0	0		SW	5.4	17.7	S	CLR	0	8	23
27	89	69	79	T	0.0	0	RW-	SW	5.6	17.9	W	CLDY	0	14	28
28	78	63	71	0.23	0.0	0	RW-	NE	2.1	8.3	N	CLDY	0	6	21
29	79	59	69	0.00	0.0	0		NE	2.0	9.5	NE	CLR	0	4	19
30	82	60	71	0.00	0.0	0		SE	1.7	8.6	S	PC	0	6	21
31	85	62	74	0.00	0.0	0		SE	1.5	8.6	S	CLR	0	9	24
AVG/TOT	84.9	64.1	74.5	6.98	0.0	0.0		SW	3.8				0	303	742
DEP.	-0.3	-0.7	-0.5	+2.31	0.0	0.0		SW	-0.7				0	-7	-3

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	6	0	0	0	12	10	7	4	2	0	9	17	5				
DEP	-1	0	0	0	+1	0	+1	+1		0	-1	+4	-3				

	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	1	8	0	0	0	0	0	478	2094	20.28
DFF	+1	-1	0	0		+1	-4					0	-128	-20	-4.16

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower
SW = Snowshower

PRECIP INTENSITY

- Light
Moderate
+ Heavy
Precip amount "T" =Trace

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.

Champaign-Urbana Weather Highlights – July 2003

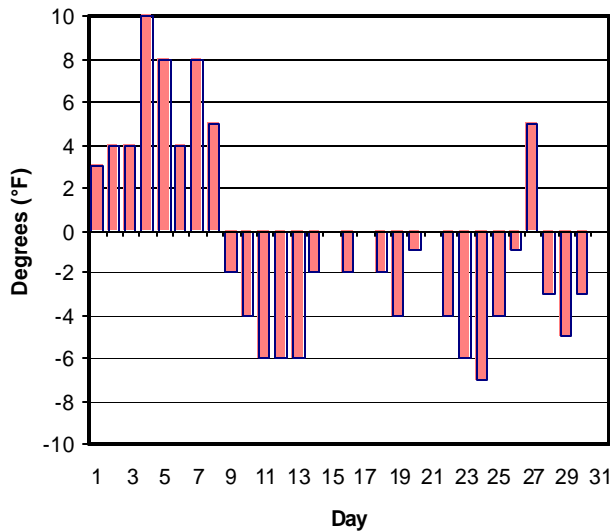
ILLINOIS STATE WATER SURVEY

Maria Peters, Weather Observer
2204 Griffith Drive
Champaign, IL 61820
wxobsrvr@sws.uiuc.edu

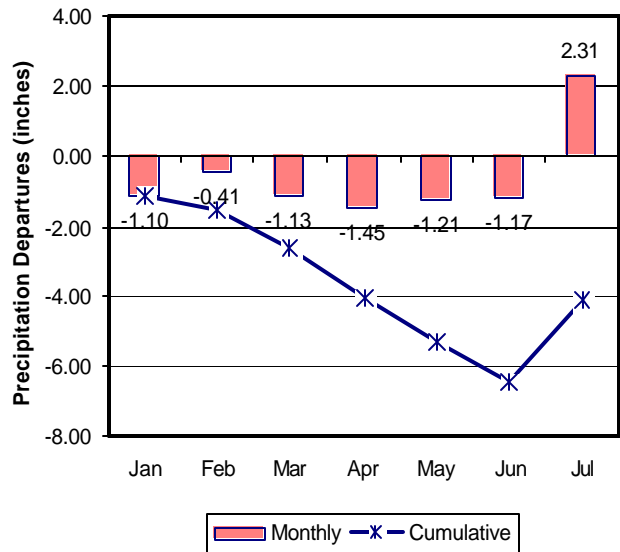
July 2003 started out with approximately a week of above average temperatures, but cooler & wetter weather the remainder of the month resulted in monthly temperature values that were almost exactly average. It ranked as the 30th coolest July since records began in 1888 and no temperature records were set during the month.

With respect to the precipitation, Champaign-Urbana finally broke its eight month dry spell and reported an above average amount for July 2003. The 6.98 inches that fell established this July as the 12th wettest July on record. Champaign-Urbana was also above average on days of thunder, with thunderstorms occurring on 8 days during the month. The storm on July 9th set a new daily record for that date. The 3.25 inches of precipitation that fell that day drenched the old record for July 9th of 2.35 inches set in 1951. The thunderstorms of the 18th also brought hail to the area and the Water Survey was struck by hail stones of up to ½ inch in diameter. Despite the stormy days, the area was still far below 13.82 inches reported during July 1992, the wettest July on record.

**July 2003 Mean Daily Temperature
Departure from Normal**



**2003 Monthly Precipitation
Departures from Normal**



MCP

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 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>