

Local Climatological Data Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2001

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		Heat	Cool	Corn
1	86	52	69	T	0.0	0	RW-	NE	6.0	19.7	N	PC	0	4	19
2	77	48	63	0.00	0.0	0		SE	3.3	11.8	E	PC	2	0	14
3	78	58	68	1.52	0.0	0	TRW+,TRW,RW	SW	3.7	16.2	NW	CLDY	0	3	18
4	87	66	77	0.29	0.0	0	TRW	W	4.9	29.4	NW	PC	0	12	26
5	78	58	68	0.00	0.0	0		N	3.5	12.1	NE	CLR	0	3	18
6	77	52	65	0.00	0.0	0		SE	2.8	9.9	SE	CLR	0	0	15
7	94	64	79	T	0.0	0	RW-	SW	7.4	20.0	SW	PC	0	14	25
8	90	72	81	0.24	0.0	0	TRW	W	4.0	17.1	NW	CLDY	0	16	29
9	90	71	81	0.01	0.0	0	TRW-	N	2.7	9.9	SW	PC	0	16	29
10	92	68	80	0.00	0.0	0		NW	3.2	13.7	W	CLR	0	15	27
11	78	62	70	0.00	0.0	0		NE	4.7	15.8	NE	CLR	0	5	20
12	80	61	71	0.00	0.0	0		NE	2.6	11.2	NE	PC	0	6	21
13	83	57	70	0.00	0.0	0		N	2.8	11.0	N	CLR	0	5	20
14	85	54	70	0.00	0.0	0		N	2.0	9.9	N	CLR	0	5	20
15	84	61	73	0.00	0.0	0		S	2.5	9.1	S	PC	0	8	23
16	87	63	75	0.00	0.0	0		SE	3.0	14.1	S	PC	0	10	25
17	93	65	79	0.02	0.0	0	TRW,H	S	4.3	19.1	SW	PC	0	14	26
18	85	70	78	0.43	0.0	0	TRW	W	3.1	19.5	SW	CLDY	0	13	28
19	83	67	75	0.00	0.0	0		SE	2.5	10.2	SE	PC	0	10	25
20	91	72	82	T	0.0	0	RW-,H	SE	1.6	12.1	W	CLDY	0	17	29
21	90	72	81	T	0.0	0	RW-	SW	2.4	10.6	W	PC	0	16	29
22	94	74	84	0.00	0.0	0	H	S	2.8	13.0	SE	CLR	0	19	30
23	96	69	83	0.66	0.0	0	TRW+	S	3.8	33.3	W	CLDY	0	18	28
24	90	73	82	0.00	0.0	0		SW	2.9	10.2	S	PC	0	17	30
25	86	70	78	0.00	0.0	0		N	4.1	14.2	NE	CLDY	0	13	28
26	82	65	74	0.00	0.0	0		NE	5.2	13.3	NE	CLDY	0	9	24
27	82	63	73	0.00	0.0	0		NE	3.2	12.1	NE	PC	0	8	23
28	84	70	77	0.47	0.0	0	RW+,RW-	SE	2.1	10.9	SW	CLDY	0	12	27
29	89	69	79	0.00	0.0	0		W	3.2	13.9	W	PC	0	14	28
30	91	68	80	0.00	0.0	0		SW	2.5	9.5	SW	PC	0	15	27
31	92	70	81	0.00	0.0	0		SE	2.9	10.3	SE	CLR	0	16	28
AVG/TOT	86.3	64.6	75.5	3.64	0.0			W	3.4				2	333	759
DEP.	+1.1	-0.2	+0.5	-1.03	0.0			SW	-1.1				+2	+23	+14

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY
TOTAL	12	0	0	0	12	8	6	2	1	0	8	15	8
DEP	+3	0	0	0	0	-1	-1	0	0	0	-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	12	0	0	0	0	0	7	0	0	3	0	2	658	2203	17.40
DEP	+1	-1	0	0			0	-4				+2	+52	+89	-7.04

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 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.

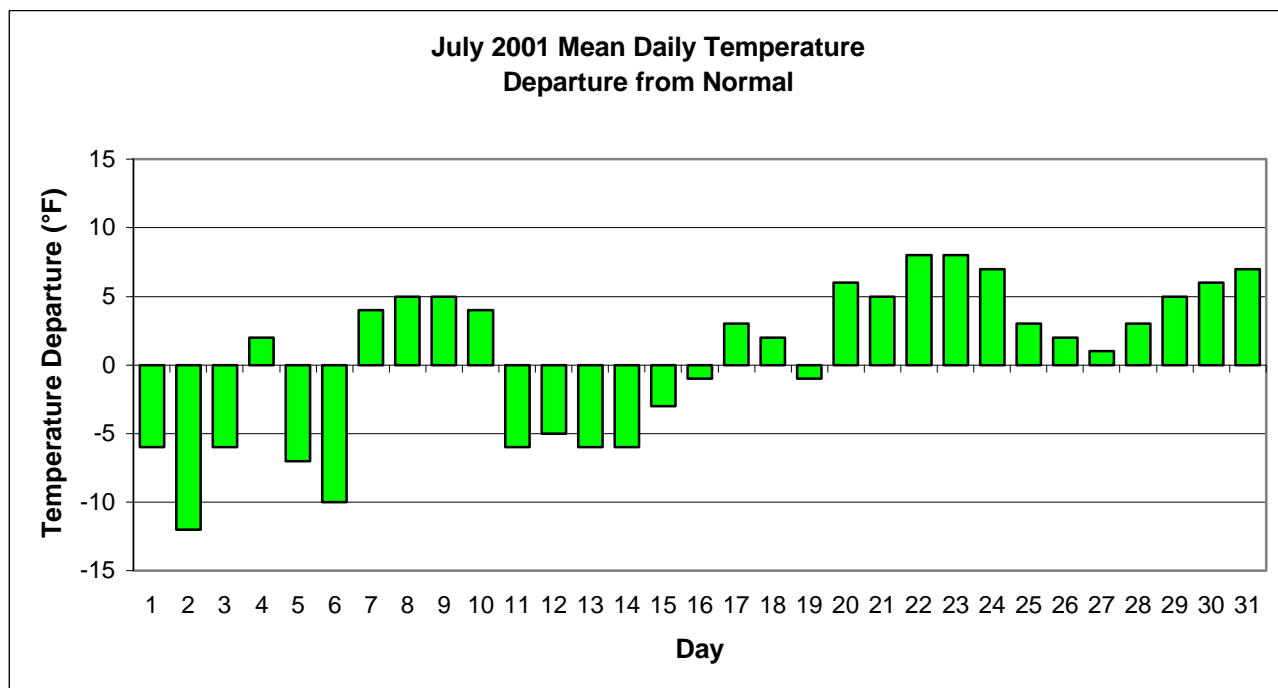
Champaign-Urbana Weather Highlights – July 2001

ILLINOIS STATE WATER SURVEY

2204 Griffith Dr.
Champaign, IL 61820
(217) 333-8890
wxobsrvr@sws.uiuc.edu

A new record high precipitation was set on July 3rd, when 1.52" of rain fell, breaking the old record of 1.23" set on July 3, 1970. Unfortunately, this turned out to be ~42% of the total precipitation of the month as July finished as the 5th month in a row with below average precipitation. The strong thunderstorms of July 23rd brought damaging winds to the area knocking down many tree branches, but only 0.66" of precipitation to the Water Survey. So far, this January - July ranks as the 17th driest on record. The driest January - July occurred in 1894 when the area only received 10.90" of precipitation.

While the month started off on a cool note and no temperature records were set, persistent high heat during the latter half of the month resulted in this July being only 0.5° above average. Coupled with the 90+ degree temperatures were high humidity levels, making for dangerous heat indices. These uncomfortable conditions were very different from last year when the temperature did not reach 90° during the entire month of July, 2000.



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 Saturday 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/>