

Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

July 2004

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	86	60	73	0.00	0.0	0		SE	1.4	7.7	SE	0	8	23
2	84	63	74	0.10	0.0	0	F(A.M.), TRW, RW	SE	2.7	13.7	SE	0	9	24
3	79	69	74	0.78	0.0	0	TRW	S	4.7	15.8	S	0	9	24
4	83	69	76	0.06	0.0	0	R	W	6.1	19.7	SW	0	11	26
5	84	65	75	0.02	0.0	0	TRW-	W	3.5	23.5	SW	0	10	25
6	85	66	76	1.10	0.0	0	TRW+, A	SW	5.4	21.2	N	0	11	26
7	74	60	67	T	0.0	0	RW-	W	5.5	19.7	W	0	2	17
8	75	58	67	T	0.0	0	RW-	NE	1.9	7.9	NE	0	2	17
9	90	66	78	0.20	0.0	0	TRW	E	3.0	14.5	S	0	13	26
10	85	68	77	1.32	0.0	0	TRW+, R	SE	2.1	8.3	SE	0	12	27
11	87	69	78	0.05	0.0	0	F(A.M.) R	SW	3.4	17.7	W	0	13	28
12	87	69	78	T	0.0	0	RW-		4.8	18.3	W	0	13	28
13	90	66	78	0.60	0.0	0	TRW+, A,GF(A.M.)	SW	3.3	31.5	NE	0	13	26
14	81	64	73	0.00	0.0	0		NW	3.5	14.4	NW	0	8	23
15	83	63	73	0.00	0.0	0		NW	2.2	11.5	W	0	8	23
16	83	62	73	0.00	0.0	0		SW	2.6	10.1	W	0	8	23
17	79	63	71	1.00	0.0	0	TRW-, R	NE	3.8	13.8	N	0	6	21
18	81	61	71	0.00	0.0	0		N	2.7	11.5	NE	0	6	21
19	83	60	72	0.00	0.0	0		SW	2.6	10.2	W	0	7	22
20	87	63	75	0.00	0.0	0		S	3.4	12.8	S	0	10	25
21	90	69	80	0.00	0.0	0		S	4.2	16.6	W	0	15	28
22	86	73	80	0.02	0.0	0	RW	W	2.6	12.9	W	0	15	30
23	79	61	70	0.00	0.0	0		NE	5.0	14.5	NE	0	5	20
24	73	58	66	0.00	0.0	0		NE	4.3	13.2	NE	0	1	16
25	72	60	66	T	0.0	0	RW-	NE	3.8	13.6	NE	0	1	16
26	74	56	65	0.00	0.0	0		NE	3.4	11.8	NE	0	0	15
27	79	53	66	0.00	0.0	0		N	2.2	9.2	NE	0	1	16
28	82	59	71	0.00	0.0	0		SE	2.0	8.8	SE	0	6	21
29	82	59	71	0.00	0.0	0		S	2.0	9.8	S	0	6	21
30	74	65	70	0.48	0.0	0	R	SE	1.7	7.5	N	0	5	20
31	83	64	74	0.00	0.0	0		W	3.5	10.8	W	0	9	24
AVG/TOT	81.9	63.3	72.6	5.73	0.0			W	3.3			0	243	702
DEP.	-3.3	-1.5	-2.4	+1.06	0.0			SW	-1.2			0	-67	-43

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T >=.01 >=.10 >=.50 >=1.00					>=1.0				
TOTAL	3	0	0	0	16	12	8	5	3	0				
DEP	-4	0	0	0	+3	+1	+2	+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	16	0	0	0	0	2	8	2	0	0	0	0	550	2190	26.42
DEP	+5	-1	0	0	+1	-2	■	■	■	0	-56	+76	+1.98		

Averages based on 1971-2000 data. All data midnight-midnight. Snow depth at 7am 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.

Champaign-Urbana Weather Highlights – July 2004

ILLINOIS STATE WATER SURVEY

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Temperature

- ‡ No daily records were set. However, this was the 5th coolest July for maximum temperatures, the 23rd coolest July for minimum temperatures, and the 12th coolest July for mean temperatures.

Precipitation

- ◆ This was the 20th wettest July.

Strong thunderstorms moved through Champaign-Urbana during the late afternoon and early evening of July 13. While gusts up to 31.5 mph gust were reported at the Water Survey (near the corner of First and Windsor in Champaign), extensive tree damage across northern and central Champaign suggests that wind speeds were higher in those parts of town.

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. The web address is:

<http://www.sws.uiuc.edu/warm/data/2004/July/Champaign.txt>

Finally, I would like to thank Jeff Angeloni, our summer intern, for his fine job of taking the weather observations this summer. He is continuing his education this fall at Illinois State University.

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