

# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

### August 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	87	61	74	0.00	0.0	0		SE	1.9	10.7	W	0	9	24
2	85	65	75	T	0.0	0	TRW-	SE	2.6	15.5	W	0	10	25
3	88	63	76	0.00	0.0	0	F(AM)	S	2.0	9.2	SE	0	11	25
4	83	65	74	0.15	0.0	0	TRW	NE	4.5	23.9	N	0	9	24
5	75	57	66	0.00	0.0	0		N	5.2	15.7	E	0	1	16
6	75	53	64	0.00	0.0	0		NE	2.9	12.5		1	0	14
7	77	51	64	0.00	0.0	0		CALM	1.3	9.0		1	0	14
8	81	54	68	0.00	0.0	0		S	2.1	12.8		0	3	18
9	85	60	73	0.86	0.0	0	TRW	SW	4.5	31.4	W	0	8	23
10	72	58	65	0.00	0.0	0		W	5.2	21.5	W	0	0	15
11	68	50	59	0.00	0.0	0		W	5.0	21.5	NW	6	0	9
12	66	48	57	T	0.0	0	L-	NW	2.7	12.8	NW	8	0	8
13	72	51	62	0.00	0.0	0			1.9	11.3	W	3	0	12
14	73	48	61	0.00	0.0	0		N	1.9	9.0		4	0	12
15	76	51	64	0.00	0.0	0		N	1.6	9.4		1	0	14
16	79	51	65	0.00	0.0	0		SW	2.3	12.2	W	0	0	15
17	83	55	69	0.00	0.0	0	F(AM)	SW	4.1	13.1	SW	0	4	19
18	84	62	73	0.05	0.0	0		W	4.0	16.2	SW	0	8	23
19	72	64	68	0.00	0.0	0		NW	1.7	8.0	N	0	3	18
20	68	55	62	0.44	0.0	0	R-	NE	2.9	12.5	N	3	0	12
21	78	52	65	0.00	0.0	0		NW	1.9	9.5	W	0	0	15
22	82	54	68	0.00	0.0	0		S	3.0	16.0	S	0	3	18
23	86	58	72	T	0.0	0		SE	2.3	10.4	S	0	7	22
24	86	66	76	0.11	0.0	0	R-	S	4.3	18.1	S	0	11	26
25	75	66	71	1.07	0.0	0	TRW	S	4.1	23.1		0	6	21
26	85	67	76	0.10	0.0	0	TRW	S	6.6	19.0	S	0	11	26
27	86	71	79	0.36	0.0	0	TRW	SW	5.1	21.5	SW	0	14	29
28	85	66	76	0.27	0.0	0	R	W	2.8	11.0	NW	0	11	26
29	69	57	63	0.18	0.0	0	R	N	3.4	12.7	NE	2	0	13
30	78	53	66	0.00	0.0	0		N	1.6	9.4	W	0	1	16
31	82	58	70	0.00	0.0	0		NE	1.7	7.9	W	0	5	20
<b>AVG/TOT</b>	<b>78.7</b>	<b>57.7</b>	<b>68.2</b>	<b>3.59</b>	<b>0.0</b>			<b>S</b>	<b>3.1</b>			<b>29</b>	<b>135</b>	<b>572</b>
DEP.	-4.5	-5.0	-4.8	-0.78	0.0			NE	-1.1			+28	-120	-119

#### 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	13	10	9	2	1				0	
DEP	-5	0	0	0	+1	+2	-1	0				0		

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION		
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-August	
TOTAL	11	2	0	0	0	0	3	2	0	0	0	29	685	2762	30.01	
DEP	0	+1	0	0	-3	-4	■	■	■				+28	-176	-43	+1.20

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 – August 2004

## ILLINOIS STATE WATER SURVEY

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**Temperature** – several temperature records were set or tied this month

- ‡ On the 11th, the following records were set:
  - Coldest high (68) – old record was 71 in 1952;
  - Coldest mean (59) – old record was 61 in 1967.
- ‡ On the 12th, the following records were set or tied:
  - Coldest high (66) – old record was 68 in 1964;
  - Coldest mean (57) – old record was 62 in 1964;
  - Coldest low (48) – tied record held in 1967.
- ‡ On the 14th, the following records were tied:
  - Coldest low (48) – tied with 1924;
  - Coldest mean (61) – tied with 1979.
- ‡ On the 16th, the following record was tied:
  - Coldest low (51) – tied with 1927.

Through August 31, this year has had five days at or above 90 – the third fewest number since full yearly records began in 1889. The year 1915 holds the record for fewest 90 degree days, only one. The years 1889 and 1992 are in second place with 3 days. The years 1950, 1982, 1985, 2000, and 2004 are in third place, all with 5 days. Of course, it is still possible to hit 90 degrees in September so the ranking will not be final until next month.

August 2004 had the 3rd coldest average monthly high temperature; the 7th coldest average monthly low temperature; and the 3rd coldest average monthly mean temperature since complete August records began in 1889.

## Precipitation

- ◆ No records set or tied.

Additional information for August 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. These data are usually posted a few days after the end of the month at:

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

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/>