

# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

### August 2006

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	94	74	84	0.00	0.0	0	F(PM)	S	4.1	13.0	SW	0	19	30
2	94	75	85	0.00	0.0	0	H	SW	5.2	15.7	SW	0	20	31
3	86	69	78	0.00	0.0	0		N	3.4	16.5	W	0	13	28
4	87	64	76	T	0.0	0	RW-		M	M		0	11	25
5	86	64	75	0.00	0.0	0		CALM	2.2	11.1	SE	0	10	25
6	89	64	77	0.00	0.0	0		S	2.3	10.1	S	0	12	25
7	84	70	77	0.02	0.0	0	TRW-	W	2.6	12.4	NW	0	12	27
8	81	67	74	0.04	0.0	0	TRW-	NE	2.8	10.4	NE	0	9	24
9	82	67	75	0.60	0.0	0	RW-,RW+	CALM	1.8	20.4	W	0	10	25
10	83	70	77	0.15	0.0	0	TRW-,F(AM)	CALM	2.3	13.2	N	0	12	27
11	79	67	73	0.07	0.0	0	RW-,TRW-	NE	2.8	14.3	E	0	8	23
12	82	61	72	T	0.0	0	RW-,F(AM)		M	M		0	7	22
13	83	59	71	0.00	0.0	0	RW-,F(PM)	SE	1.8	8.7	SE	0	6	21
14	79	66	73	0.15	0.0	0	F(AM),RW-	NW	3.5	12.8	W	0	8	23
15	83	60	72	0.04	0.0	0	RW-,RW,F(AM)	NW	2.1	10.3	W	0	7	22
16	83	62	73	0.00	0.0	0		E	1.9	9.4	SE	0	8	23
17	84	60	72	0.00	0.0	0		SE	1.7	9.0	SE	0	7	22
18	82	70	76	0.28	0.0	0	RW-, TRW-		M	M		0	11	26
19	85	71	78	0.77	0.0	0	TRW		M	M		0	13	28
20	79	62	71	T	0.0	0	RW-		M	M		0	6	21
21	80	58	69	0.00	0.0	0			M	M		0	4	19
22	83	58	71	0.00	0.0	0			M	M		0	6	21
23	86	63	75	0.00	0.0	0		W	2.8	10.7	W	0	10	25
24	85	64	75	0.00	0.0	0	F(AM)	S	3.1	10.3	S	0	10	25
25	85	60	73	0.00	0.0	0	F(AM)	S	2.9	15.0	SW	0	8	23
26	79	69	74	0.00	0.0	0	F(AM)	SE	1.6	7.1	S	0	9	24
27	84	69	77	0.10	0.0	0	TRW-,F(AM)	NE	2.2	11.3	NE	0	12	27
28	83	65	74	0.76	0.0	0	TRW+,RW-,F(AM),	N	3.5	12.7	W	0	9	24
29	70	63	67	0.01	0.0	0	RW-,F(AM)	N	3.2	11.6	NE	0	2	17
30	74	63	69	0.01	0.0	0	L-, F(AM)	NE	4.2	13.4	NE	0	4	19
31	75	63	69	T	0.0	0	L-, F(AM)	NE	4.6	12.9	N	0	4	19
<b>AVG/TOT</b>	<b>82.9</b>	<b>65.1</b>	<b>74.0</b>	<b>3.00</b>	<b>0.0</b>	<b>0.0</b>		<b>NE</b>	<b>2.9</b>			<b>0</b>	<b>287</b>	<b>741</b>
DEP.	-0.3	+2.4	+1.0	-1.37	0.0			NE	-1.3			-1	+32	+50

#### NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00						>=1.0
TOTAL	2	0	0	0	17	13	7	3	0						0
DEP	-3	0	0	0	+4	0	0	-1							0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-August
TOTAL	16	2	0	0	0	0	8	14	0	1	0	0	975	3013	25.73
DEP	+5	+1	0	0			+2	+8				-1	+114	+208	-3.08

**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 – August 2006

## ILLINOIS STATE WATER SURVEY

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**Temperature** – ranged from 58°F on August 21 and 22 to 94°F on August 1 and 2. While the average monthly high was near normal, the average monthly low of 65.1°F was the 14<sup>th</sup> warmest since records began in 1889.

**Precipitation** – no daily records were set this month. The monthly precipitation total was 3.00”, 1.37” below normal. The two highest August precipitation totals, 10.01” in 1977 and 10.02” in 1993, are included in the 1971-2000 average (the current period used as “normal”), resulting in a normal August amount of 4.37”. However, the August precipitation was right at the median, or 50<sup>th</sup> percentile, of 3.07 inches. In other words, the distribution of August monthly precipitation over the years is such that half of the monthly totals are 3” or less. Historically, August monthly precipitation ranges from 0.06” in 1893 to 10.02” in 1993.

**Observer’s Note** – the wind statistics reported here and on the voicemail recording are not part of the climatic archive maintained by this office. They are from another Water Survey network co-located with our site (see below).

### Additional Information

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 several days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2006/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 8:30 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>