

# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

### September 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	73	62	68	0.01	0.0	0	RW-	NE	3.5	13.2	NE	0	3	18
2	78	58	68	0.00	0.0	0			M	M		0	3	18
3	78	55	67	0.00	0.0	0			M	M		0	2	17
4	76	58	67	0.00	0.0	0			M	M		0	2	17
5	72	58	65	0.05	0.0	0	RW-	NE	2.1	9.9	NE	0	0	15
6	83	55	69	0.18	0.0	0	TRW-, RW	W	1.9	10.6	W	0	4	19
7	82	55	69	0.00	0.0	0		S	1.2	6.8	SW	0	4	19
8	84	57	71	0.00	0.0	0		SW	2.5	12.9	SW	0	6	21
9	85	58	72	0.00	0.0	0	H	W	2.3	13.4	N	0	7	22
10	81	63	72	0.00	0.0	0		NE	3.7	11.2	E	0	7	22
11	76	62	69	0.00	0.0	0	F(AM)	SE	3.0	16.6	W	0	4	19
12	80	58	69	0.33	0.0	0	F(AM), RW-	W	3.3	16.3	NW	0	4	19
13	66	57	62	0.02	0.0	0	RW-,L-,F(AM)	NW	4.0	14.1	W	3	0	12
14	74	56	65	T	0.0	0	L-, F(AM)	N	1.3	8.0	N	0	0	15
15	81	55	68	0.00	0.0	0			M	M		0	3	18
16	84	56	70	0.00	0.0	0	F(AM)		M	M		0	5	20
17	88	57	73	0.00	0.0	0		S	4.0	21.6	W	0	8	22
18	71	50	61	0.62	0.0	0	TRW, RW-	W	3.5	16.0	NW	4	0	11
19	58	44	51	0.00	0.0	0		W	4.8	20.8	W	14	0	4
20	64	41	53	0.00	0.0	0		NW	1.8	10.3	W	12	0	7
21	71	42	57	T	0.0	0	RW-	SE	3.4	13.6	SE	8	0	11
22	76	55	66	0.11	0.0	0	RW-		M	M		0	1	16
23	71	58	65	0.00	0.0	0			M	M		0	0	15
24	62	48	55	T	0.0	0	RW-	W	4.6	15.6	W	10	0	6
25	72	43	58	0.02	0.0	0	RW-	W	3.7	19.1	W	7	0	11
26	78	44	61	0.00	0.0	0			M	M		4	0	14
27	74	54	64	0.00	0.0	0		SW	4.7	15.3	W	1	0	14
28	63	42	53	T	0.0	0	RW-	NW	2.8	15.1	W	12	0	7
29	66	40	53	0.00	0.0	0			M	M		12	0	8
30	73	47	60	0.00	0.0	0			M	M		5	0	12
<b>AVG/TOT</b>	<b>74.7</b>	<b>52.9</b>	<b>63.8</b>	<b>1.34</b>	<b>0.0</b>			<b>W</b>	<b>3.1</b>			<b>92</b>	<b>63</b>	<b>449</b>
DEP.	-2.9	-1.7	-2.3	-1.88	0.0			SW	-1.5			+8	-53	-52

#### 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	12	8	4	1	0	0
DEP	-2	0	0	0	0	-1	-1	-1	0	0

	WEATHER TYPES										SEASONAL DEGREE DAYS			PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	11	2	0	0	0	0	2	5	0	1	0	92	1038	3462	27.07
DEP	+1	-1	0	0			-2	0				+7	+61	+156	-4.96

**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 – September 2006

## ILLINOIS STATE WATER SURVEY

Jim Angel, State Climatologist  
2204 Griffith Drive  
Champaign, IL 61820  
[jimangel@uiuc.edu](mailto:jimangel@uiuc.edu)

**Temperature** – ranged from 40°F on September 29 to 88°F on September 17. The average monthly high of 74.7°F was 2.9°F below normal and the 18<sup>th</sup> coolest since September records began in 1888. The average monthly low of 52.9°F was tied with 2000 for the 21<sup>st</sup> coolest on record. The average monthly mean of 63.8°F was the 14<sup>th</sup> coolest on record. Despite the cool September, Champaign-Urbana has experienced the 7<sup>th</sup> warmest January-September on record with a temperature of 57.5°F.

**Precipitation** – no daily records were set this month. The monthly precipitation total was 1.34”, 1.88” below normal and the 18<sup>th</sup> driest September since September records began in 1888. Historically, September monthly precipitation ranges from 0.06” in 1891 to 9.76” in 1926.

**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 September 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/September/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/>