

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

September 2007

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	85	57	71	0.00	0.0	0		M	M			0	6	21
2	90	58	74	0.00	0.0	0		M	M			0	9	22
3	93	58	76	0.00	0.0	0		M	M			0	11	22
4	96	60	78	0.00	0.0	0		M	M			0	13	23
5	93	65	79	0.00	0.0	0		M	M			0	14	26
6	85	69	77	0.00	0.0	0		M	M			0	12	27
7	87	69	78	0.32	0.0	0	TRW, H	M	M			0	13	28
8	75	68	72	0.28	0.0	0	TRW+, TRW-, F(A)	M	M			0	7	22
9	85	63	74	1.04	0.0	0	TRW+, F(AM)	M	M			0	9	24
10	85	61	73	0.00	0.0	0		M	M			0	8	23
11	77	54	66	0.16	0.0	0	RW-, L	M	M			0	1	16
12	72	49	61	0.00	0.0	0		M	M			4	0	11
13	83	47	65	0.00	0.0	0		M	M			0	0	17
14	71	48	60	0.00	0.0	0		M	M			5	0	11
15	66	41	54	0.00	0.0	0		M	M			11	0	8
16	75	50	63	0.00	0.0	0		M	M			2	0	13
17	86	51	69	0.00	0.0	0		M	M			0	4	19
18	91	56	74	0.00	0.0	0		M	M			0	9	21
19	88	60	74	0.00	0.0	0	H	M	M			0	9	23
20	90	65	78	T	0.0	0	RW-	M	M			0	13	26
21	92	63	78	0.00	0.0	0	F(AM)	M	M			0	13	25
22	84	62	73	0.00	0.0	0		M	M			0	8	23
23	92	59	76	0.00	0.0	0		M	M			0	11	23
24	93	65	79	0.00	0.0	0	H	M	M			0	14	26
25	82	69	76	0.19	0.0	0	RW-	M	M			0	11	26
26	71	56	64	0.05	0.0	0	RW-, L	M	M			1	0	14
27	80	51	66	0.02	0.0	0	L, F(AM)	M	M			0	1	16
28	82	50	66	0.00	0.0	0		M	M			0	1	16
29	85	51	68	0.00	0.0	0		M	M			0	3	18
30	86	50	68	0.00	0.0	0		M	M			0	3	18
AVG/TOT	84.0	57.5	70.8	2.06	0.0							23	203	608
DEP.	+6.4	+2.9	+4.7	-1.16	0.0					SW		-61	+87	+107

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	9	0	0	0	8	7	5	1	1	0
DEP	+7	0	0	0	-1	0	-1	0	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	7	3	0	0	0	0	3	4	0	3	0	23	1296	3838	24.05
DEP	-3	0	0	0			-1	-1				-62	+319	+532	-7.98

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 2007

ILLINOIS STATE WATER SURVEY

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Temperatures ranged from 41 °F on September 15 and 96 °F on September 4.

- The monthly average mean daily temperature was 70.8 °F, 4.7 °F above normal and the 8th warmest since records began in 1888.
- The monthly average high temperature was 84.0 °F, 6.4 °F above normal and the 6th warmest on record.
- The monthly average low temperature was 57.3 °F, 2.9 °F above normal and the 20th warmest on record.
- There were 9 days at or above 90°F reported in September, 7 days above normal.

Precipitation total for September was 2.06 inches, 1.16 inches below normal. The year to date precipitation is 24.05 inches, 7.98 inches below normal.

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. Usually, these data are posted several days after the end of the month at: <http://www.sws.uiuc.edu/warm/data/2007/September/Champaign.txt>

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called the Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) at <http://www.cocorahs.com/>.

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/>