

Local Climatological Data  
Champaign-Urbana, IL - 118740  
**September 2000**

Illinois State Water Survey  
Water Survey Research Center

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY DEGREE DAYS			
	Max	Min	Mean		Amnt	Depth		Dir	Speed	Peak	Gust	Dir	COVER	Heat	Cool
1	93	66	80	0.00	0.0	0	F	SE	1.4	7.5	SE	CLR	0	15	26
2	94	68	81	0.00	0.0	0		E	1.3	10.0	N	CLR	0	16	27
3	93	68	81	0.00	0.0	0		SE	2.8	10.5	W	CLR	0	16	27
4	79	62	71	0.00	0.0	0		N	6.9	22.4	N	CLDY	0	6	21
5	75	51	63	0.00	0.0	0		NE	5.2	17.1	NE	CLR	2	0	13
6	82	48	65	0.00	0.0	0		SE	3.4	11.3	SE	CLR	0	0	16
7	88	60	74	0.00	0.0	0		S	4.9	15.6	S	PC	0	9	23
8	86	63	75	0.00	0.0	0		S	4.7	14.3	S	PC	0	10	25
9	83	65	74	0.00	0.0	0		S	4.5	15.9	S	CLDY	0	9	24
10	77	69	73	0.95	0.0	0	TRW+,TRW-	S	4.7	17.1	S	CLDY	0	8	23
11	90	67	79	0.89	0.0	0	TRW+,F	S	7.0	20.5	S	PC	0	14	27
12	78	55	67	0.45	0.0	0	TRW,RW-	N	3.6	17.3	NE	CLDY	0	2	17
13	82	51	67	0.00	0.0	0		SE	1.9	9.1	W	CLR	0	2	17
14	73	52	63	0.09	0.0	0	RW-	N	3.6	14.7	W	CLDY	2	0	13
15	67	48	58	0.00	0.0	0		N	4.7	17.8	N	CLR	7	0	9
16	70	40	55	0.00	0.0	0		N	2.1	9.7	SW	CLR	10	0	10
17	82	46	64	0.00	0.0	0		SW	5.2	18.5	SW	CLR	1	0	16
18	87	50	69	0.00	0.0	0		S	3.2	12.5	S	CLR	0	4	18
19	89	53	71	0.00	0.0	0		S	8.1	25.4	S	PC	0	6	20
20	73	51	62	0.20	0.0	0	RW-	SW	5.2	18.5	NW	CLDY	3	0	12
21	68	42	55	0.00	0.0	0		W	2.9	15.1	W	CLR	10	0	9
22	83	44	64	0.22	0.0	0	RW-	S	6.7	24.1	S	PC	1	0	17
23	78	59	69	0.01	0.0	0	RW-	N	5.3	15.9	SW	CLDY	0	4	19
24	62	51	57	0.41	0.0	0	TRW	NE	6.0	16.7	N	CLDY	8	0	7
25	52	45	49	1.02	0.0	0	R,R-	N	4.3	16.9	NE	CLDY	16	0	1
26	67	37	52	0.00	0.0	0		SW	3.4	13.1	W	CLR	13	0	9
27	76	42	59	0.00	0.0	0		SW	4.4	14.9	SW	CLR	6	0	13
28	72	46	59	0.00	0.0	0		NE	2.5	9.7	E	CLR	6	0	11
29	75	43	59	0.00	0.0	0		SE	2.9	12.6	S	CLR	6	0	13
30	77	44	61	0.00	0.0	0		SE	4.5	18.6	S	CLR	4	0	14
<b>AVG/TOT</b>	<b>78.4</b>	<b>52.9</b>	<b>65.7</b>	<b>4.24</b>	<b>0.0</b>			<b>S</b>	<b>4.2</b>				<b>95</b>	<b>121</b>	<b>497</b>
DEP.	+0.7	-2.3	-0.8	+0.88	0.0			SW	-0.9				+14	+4	-3

**NUMBER OF DAYS and DEPARTURE**

	MAX TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY
TOTAL	4	0	0	0	9	9	7	3	1	0	16	5	9
DEP	+2	0	0	0	0	+2	+1	0	0	0	+5	-4	-1

	WEATHER TYPES											SEASONAL DEGREE DAYS			PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	CORN	JAN-September
TOTAL	9	0	0	0	0	0	4	2	0	0	0	95	930	3424	29.47
DEP	-1	-3	0	0			0	-3				+5	-26	+160	-1.46

**Averages based on 1961-1990 data.** The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

**WEATHER TYPES:**

=Trace  
R = Rain      Z = Freezing rain/drizzle      D = Dust  
L = Drizzle    IP = Sleet                                  H = Haze  
S = Snow      A = Hail                                        BS = Blowing  
T = Thunder   F = Fog                              RW = Rainshower    SW = Snowshower

**PRECIP INTENSITY:** - Light      Precip amount "T"

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.

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/>

# Champaign-Urbana Weather Highlights – Month Year

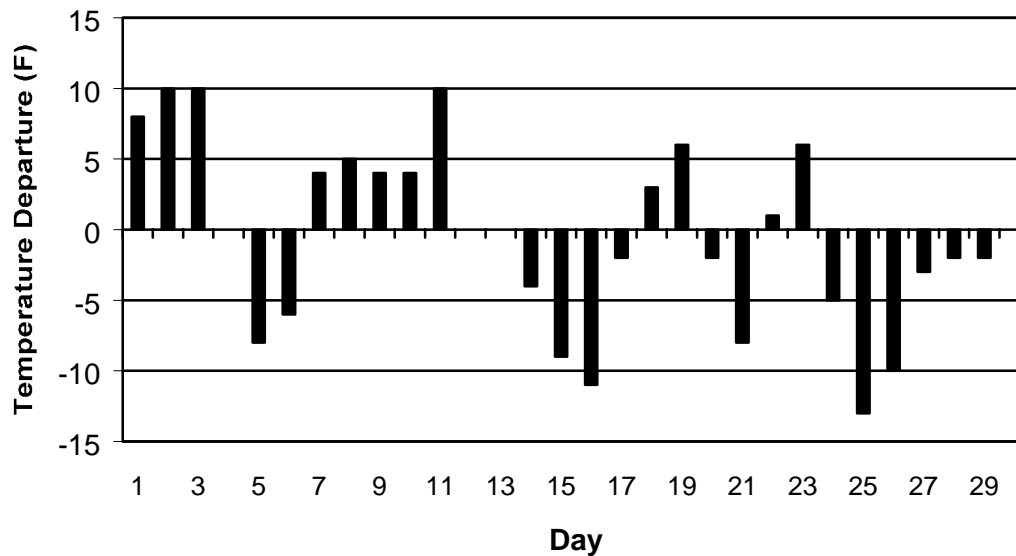
## ILLINOIS STATE WATER SURVEY

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No records were set for September. The figure below shows the daily temperature departure for September, which seesawed between very warm temperatures and very cool temperatures, typical for this time of year. Overall, the month was slightly below average in temperature.

The first fall frost is just around the corner. The average date that the temperature dips to 32°F or less is October 19<sup>th</sup>. Based on records back to 1888, the actual occurrence has ranged from September 16<sup>th</sup> to November 13<sup>th</sup>. The official air temperature is measured at 5 ½ feet above the ground. On calm, clear nights the air at the surface can be colder than the official temperature by a few degrees, especially in low-lying areas, leading to frost formation when the official temperature is still slightly above freezing.

### September 2000 Mean Daily Temperature Departure



JRA

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