

Local Climatological Data  
Champaign-Urbana, IL - 118740  
**October 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	81	52	67	0.00	0.0	0		S	7.3	22.4	S	PC	0	2
2	84	57	71	0.00	0.0	0		SW	6.2	21.6	SW	CLR	0	6
3	84	57	71	0.00	0.0	0		S	3.1	13.5	S	PC	0	6
4	69	54	62	1.10	0.0	0	TRW,RW,RW-	NE	5.6	21.0	NE	CLDY	3	0
5	58	47	53	0.99	0.0	0	TRW,RW-	N	4.0	19.4	N	CLDY	12	0
6	51	33	42	0.00	0.0	0		NW	5.3	18.8	W	PC	23	0
7	49	29	39	0.00	0.0	0		NW	4.3	20.7	W	PC	26	0
8	49	30	40	0.00	0.0	0		N	5.9	19.6	NW	PC	25	0
9	57	29	43	0.00	0.0	0		NW	3.1	15.1	W	CLR	22	0
10	62	32	47	0.00	0.0	0		W	3.9	16.4	W	CLR	18	0
11	69	33	51	0.00	0.0	0		W	1.8	9.5	W	CLR	14	0
12	72	34	53	0.00	0.0	0		SE	3.6	14.7	S	CLR	12	0
13	76	42	59	0.00	0.0	0		S	5.9	18.2	SW	CLR	6	0
14	77	53	65	0.52	0.0	0	RW,RW-	SW	5.3	22.2	W	PC	0	0
15	69	55	62	0.01	0.0	0	RW-	SE	1.8	7.1	SW	CLDY	3	0
16	58	51	55	0.10	0.0	0	RW-,F(am)	NE	3.4	12.8	N	CLDY	10	0
17	64	47	56	0.00	0.0	0	F(am)	N	3.0	11.8	NW	CLDY	9	0
18	68	42	55	0.00	0.0	0	F(am)	SW	2.1	10.7	SW	CLR	10	0
19	74	43	59	0.00	0.0	0		SW	2.9	13.4	SW	CLR	6	0
20	74	45	60	0.00	0.0	0		SE	3.4	15.6	SW	CLR	5	0
21	77	46	62	0.00	0.0	0		S	1.5	8.8	S	CLR	3	0
22	66	51	59	T	0.0	0	RW-,F(am)	E	1.8	9.4	S	CLDY	6	0
23	78	59	69	0.02	0.0	0	RW-,F(am)	SE	2.5	10.2	S	PC	0	4
24	71	58	65	0.00	0.0	0	F(am)	N	2.2	10.9	N	PC	0	0
25	76	56	66	0.00	0.0	0	F(am)	SE	2.6	9.3	SE	PC	0	1
26	78	59	69	0.00	0.0	0		S	5.5	19.7	SW	PC	0	4
27	76	56	66	0.00	0.0	0		W	4.7	16.0	SW	PC	0	1
28	59	42	51	0.00	0.0	0		NE	4.7	15.4	N	CLDY	14	0
29	63	37	50	0.00	0.0	0		E	2.9	13.9	SE	CLR	15	0
30	67	44	56	0.01	0.0	0	RW-	SE	5.2	15.8	SE	PC	9	0
31	74	47	61	0.01	0.0	0	RW-	SE	3.6	12.7	S	PC	4	0
<b>AVG/TOT</b>	<b>68.7</b>	<b>45.8</b>	<b>57.3</b>	<b>2.76</b>	<b>0.0</b>			<b>SE</b>	<b>3.8</b>				<b>255</b>	<b>24</b>
<b>DEP.</b>	<b>+3.6</b>	<b>+2.0</b>	<b>+2.8</b>	<b>+0.10</b>	<b>-0.1</b>			<b>S</b>	<b>-2.3</b>				<b>-94</b>	<b>+8</b>

**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	0	0	4	0	9	8	4	3	1	0	11	13	7
DEP	0	0	+1	0	-1	-2	+1	0			-1	+5	-4

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-October
TOTAL	9	0	0	0	0	0	2	7	0	0	0	350	954	32.23
DEP	-1	-4					0	0	+3			-89	-18	-1.36

**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:**

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" 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.

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 – October 2000

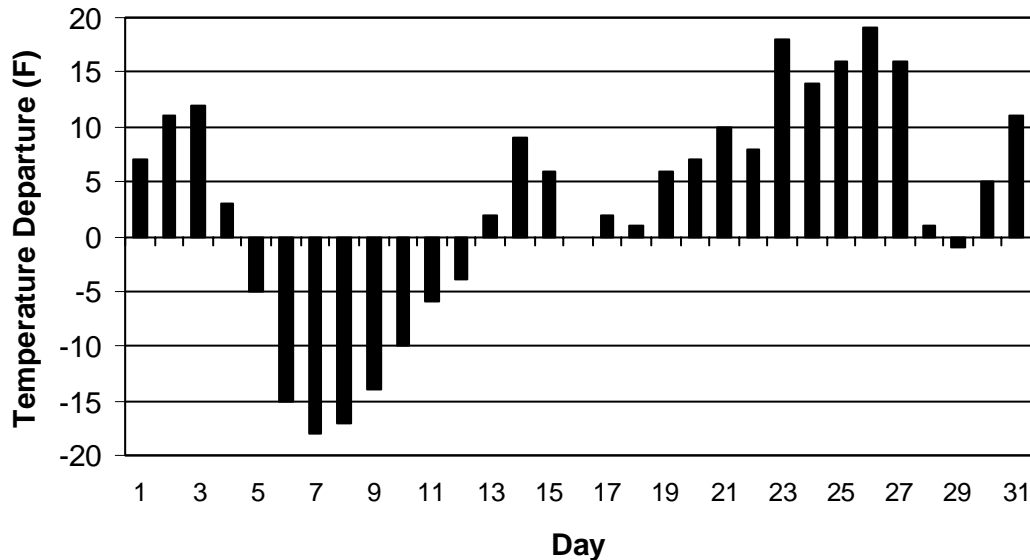
## ILLINOIS STATE WATER SURVEY

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We set a new record on October 7 for the coolest daily maximum temperature (49°) reported for that date since 1888. We also set a new record on October 23 for the warmest daily minimum temperature (59°) reported on that date since 1888. Dense fog was reported on the mornings of October 17 and 25. Three-fourths of our precipitation for the month fell in a two-day period on October 4-5.

We officially dropped below the freezing mark on October 7 when the temperature dropped down to 29° that morning. This was part of a weeklong blast of Canadian air in the early part of the month (see figure below). The killing frost followed by relatively warm and dry conditions in the second half of the month is the classic case of an “Indian Summer”.

### October 2000 Mean Daily Temperature Departure



JRA

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