

# Local Climatological Data

Illinois State Water Survey  
Water Survey Research Center

Champaign-Urbana, IL - 118740

**November 1999**

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed	Peak Gust	Gust Dir		Heat	Cool
1	78	46	62	0.49	0.0	0	TRW-,RW-	NW	4.5	20.9	N	CLDY	3	0
2	46	29	38	0.00	0.0	0		NW	8.5	23.1	NW	PC	27	0
3	50	25	38	0.00	0.0	0		W	5.4	18.5	W	CLR	27	0
4	63	26	45	0.00	0.0	0		S	7.1	21.4	S	CLR	20	0
5	73	45	59	0.00	0.0	0		SW	8.8	25.3	SW	CLR	6	0
6	66	44	55	0.00	0.0	0		NE	4.3	12.6	NE	PC	10	0
7	61	44	53	0.00	0.0	0		E	3.3	13.2	E	CLDY	12	0
8	77	40	59	0.00	0.0	0		SW	6.0	21.4	SW	CLR	6	0
9	74	52	63	0.00	0.0	0		SW	10.	24.4	SW	CLR	2	0
10	73	50	62	0.00	0.0	0		SW	11.	24.8	W	CLR	3	0
11	59	38	49	0.00	0.0	0		N	6.3	21.9	NW	PC	16	0
12	64	34	49	0.00	0.0	0	F	S	4.5	15.9	SW	CLR	16	0
13	74	39	57	0.00	0.0	0		SW	5.2	19.1	SW	CLR	8	0
14	60	33	47	0.00	0.0	0		N	7.7	22.8	N	CLR	18	0
15	55	29	42	0.00	0.0	0		NW	4.1	16.2	NW	PC	23	0
16	52	29	41	0.00	0.0	0		N	6.2	15.8	N	CLR	24	0
17	51	29	40	0.00	0.0	0		S	4.9	15.6	S	CLR	25	0
18	71	34	53	0.00	0.0	0		S	12.	30.6	S	CLR	12	0
19	58	40	49	0.05	0.0	0	RW-	S	13.	27.7	S	CLDY	16	0
20	48	30	39	0.00	0.0	0		W	3.6	13.1	W	PC	26	0
21	56	29	43	0.01	0.0	0	L-	SE	5.3	18.9	S	CLDY	22	0
22	66	45	56	0.05	0.0	0	RW-	S	5.9	16.2	S	CLDY	9	0
23	62	42	52	0.21	0.0	0	RW,F	S	13.	35.0	SW	CLDY	13	0
24	49	34	42	0.00	0.0	0		W	6.8	24.2	W	PC	23	0
25	44	31	38	0.00	0.0	0		NE	3.0	10.7	NE	CLDY	27	0
26	51	33	42	0.00	0.0	0		SW	7.7	21.8	S	PC	23	0
27	55	37	46	T	0.0	0	RW-	N	4.2	13.8	N	CLDY	19	0
28	49	30	40	0.00	0.0	0		N	4.6	13.5	N	PC	25	0
29	41	27	34	0.00	0.0	0		N	6.8	19.5	N	CLR	31	0
30	42	22	32	0.00	0.0	0		N	3.4	10.1	NE	CLR	33	0
<b>AVG/TOT</b>	<b>58.9</b>	<b>35.5</b>	<b>47.2</b>	<b>0.81</b>	<b>0.0</b>			<b>S</b>	<b>6.6</b>				<b>525</b>	<b>0</b>
DEP.	+8.6	+1.7	+5.1	-2.29	-2.2			SW	-0.9				-171	0

### 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	12	0	6	5	2	0	0	0	14	8	8
DEP	0	-1	-2	0		-5	-4	-2	-1	-1	+7	0	-7

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-November
TOTAL	5	1	0	0	0	0	1	2	0	0	0	945	1027	37.49
DEP	-4	-4	-4	-1			0	-2				-190	+55	+0.80

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

**WEATHER TYPES:**

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

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

+

**DEGREE DAYS:** Heat and Cool base 65F. Corn Growing base 50F. Heating DD season July-June. Cool and Corn DD season January-December

# Champaign-Urbana Weather Highlights – November 1999

## ILLINOIS STATE WATER SURVEY

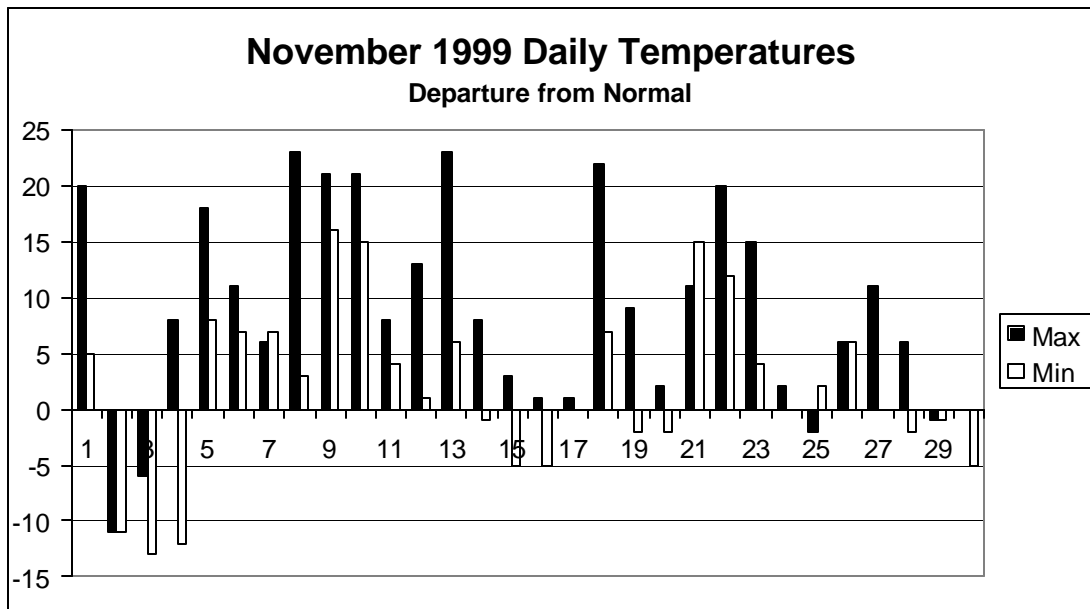
2204 Griffith Dr.

Champaign, IL 61820

wxobsrvr@sws.uiuc.edu

This was the fourth warmest November on record in Champaign-Urbana..

The mean maximum temperature (58.9°F) was the second warmest on record (the warmest was 60.2°F in 1909). Record daily maximum temperatures were set on November 8<sup>th</sup> (77°F, old record 74°F in 1931) and on November 9<sup>th</sup> (74°F, old record 72°F in 1931). There were only four days this month with maximum temperatures below normal. Maximum temperatures were above normal each day from November 4-November 24.



The November 1999 precipitation of 0.81 inches ranks this as the eighth driest November in Champaign-Urbana. The driest was November 1904, which had no measurable precipitation.

There were 14 clear days reported this month. This has been exceeded only twice since 1961. Fifteen clear days were reported in November 1963 and November 1980. The eight cloudy days reported this month ties November 1984 with the fewest number of cloudy days since 1961.

### Fall Season (September, October, November)

Average maximum: 68.5°F (+4.1°F) - ties for the fifth highest fall average maximum temperature)  
Average minimum: 42.8°F (-1.5°F)  
Average mean: 55.6°F (+1.2°F) - 21<sup>st</sup> warmest fall  
Precipitation: 4.64 inches (-4.50 inches). This was the 11<sup>th</sup> driest fall (driest 3.02 inches, 1953).  
Snowfall: 0 (-2.3 inches)

SDH