

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

December 2001

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				SKY COVER	DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir		Heat	Cool
1	48	35	42	0.00	0.0	0		SW	5.4	18.1	SW	PC	23	0
2	55	30	43	0.00	0.0	0		S	5.7	18.7	S	CLR	22	0
3	62	41	52	0.00	0.0	0		S	6.8	17.5	S	PC	13	0
4	65	50	58	T	0.0	0	RW-	S	10.7	21.7	S	PC	7	0
5	66	48	57	0.12	0.0	0	RW	S	13.8	34.0	SW	CLDY	8	0
6	52	40	46	0.00	0.0	0	F(PM)	S	4.5	13.1	S	PC	19	0
7	52	35	44	0.00	0.0	0	F+(AM),F(PM)	E	2.9	10.0	SE	CLDY	21	0
8	44	31	38	0.00	0.0	0	F	N	5.5	15.5	NW	PC	27	0
9	44	24	34	0.00	0.0	0		S	2.2	10.2	N	CLR	31	0
10	46	23	35	0.00	0.0	0		SW	2.2	11.6	SW	CLR	30	0
11	47	24	36	0.00	0.0	0	F	SE	3.0	13.0	SE	CLR	29	0
12	48	36	42	0.46	0.0	0	R	SE	6.1	15.4	S	CLDY	23	0
13	48	37	43	0.01	0.0	0	R-	W	5.4	15.6	W	CLDY	22	0
14	37	32	35	0.45	1.0	T	R-,S	N	5.0	15.1	N	CLDY	30	0
15	44	34	39	0.00	0.0	0	F	SE	4.4	13.9	SE	CLDY	26	0
16	46	41	44	0.51	0.0	0	R	SE	4.4	14.7	SE	CLDY	21	0
17	46	35	41	0.38	0.0	0	R-	N	5.9	18.4	NW	CLDY	24	0
18	48	30	39	0.00	0.0	0	F	S	5.5	15.4	S	CLR	26	0
19	39	29	34	0.02	T	0	RW-,SW-	W	7.5	23.6	NW	PC	31	0
20	42	23	33	0.00	0.0	0		W	5.6	21.4	W	PC	32	0
21	45	23	34	0.00	0.0	0		SE	2.8	10.3	SE	CLR	31	0
22	49	32	41	0.22	0.0	0	R-,RW-	S	12.0	26.6	S	CLDY	24	0
23	34	22	28	0.03	0.3	0	SW	W	12.4	28.3	W	PC	37	0
24	22	17	20	T	0.1	T	S-	W	8.9	21.7	NW	CLDY	45	0
25	25	9	17	T	T	T	SW-	W	6.6	16.7	W	PC	48	0
26	21	8	15	T	0.1	T	SW-	W	7.7	21.5	W	CLDY	50	0
27	34	21	28	T	T	T	SW-	W	9.3	22.0	W	PC	37	0
28	31	22	27	T	T	0	SW-	W	6.7	17.1	W	CLDY	38	0
29	22	9	16	0.01	0.2	T	SW-	NW	6.6	18.9	W	CLDY	49	0
30	24	5	15	0.00	0.0	0		W	7.0	19.4	W	PC	50	0
31	24	10	17	T	T	0	SW-	W	6.3	16.2	W	PC	48	0
AVG/TOT	42.3	27.6	35.0	2.21	1.7			W	6.4				922	0
DEP.	+5.5	+5.4	+5.5	-0.55	-4.4			W	-0.9				-176	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	0	7	20	0	17	10	6	1	0	1	6	12	13				
DEP	0	-3	-6	-2	+1	0	0	0	0	-1	-1	+5	-4				

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-December
TOTAL	9	0	10	0	0	0	0	6	0	0	0	1849	1056	36.31
DEP	+1	-3	+1	-3	0	-1	0					-391	+70	-4.69

Averages based on 1971-2000 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 = 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.

Champaign-Urbana Weather Highlights – December 2001

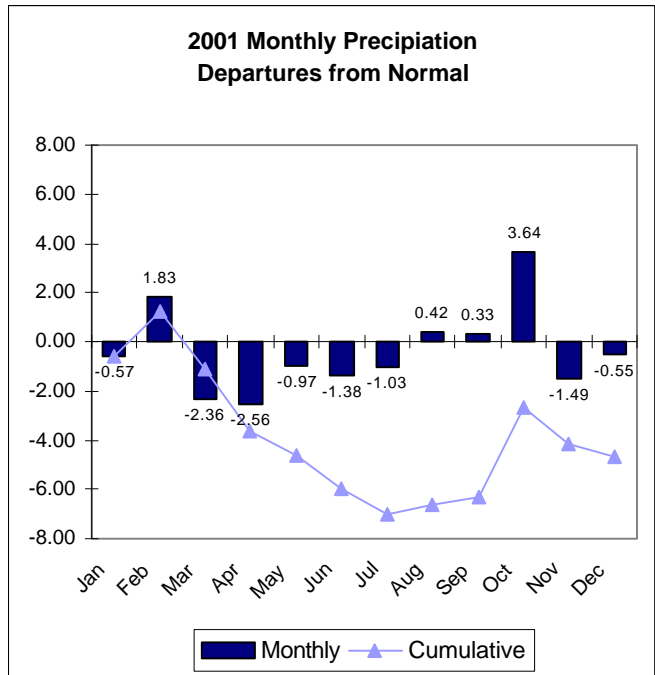
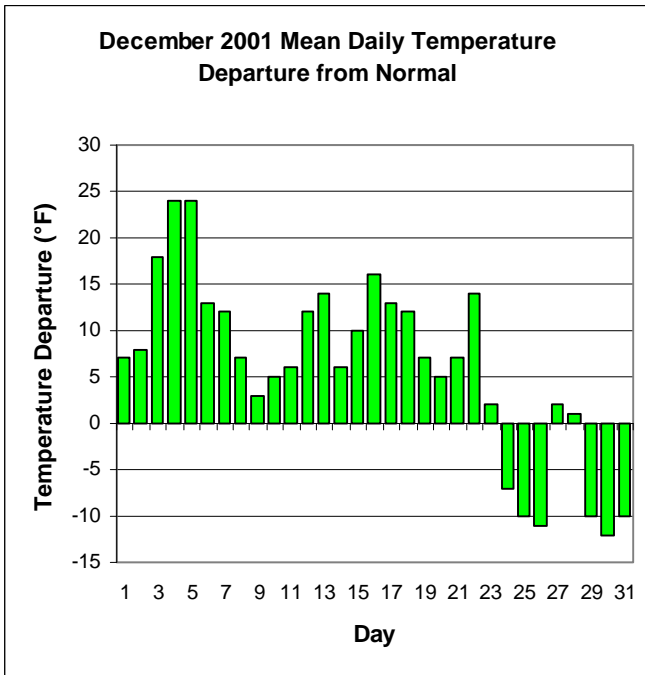
ILLINOIS STATE WATER SURVEY

2204 Griffith Dr.
Champaign, IL 61820
wxobsrvr@sws.uiuc.edu

During the first 23 days of December 2001, Champaign-Urbana was on target to have the 2nd warmest December since 1888 with the monthly average maximum temperature up at 48.1°F, the average minimum temperature at 32.8°F and the average mean temperature at 40.8°F. This extreme warmth occurred despite the fact that no temperature records were broken or tied. However, the colder temperatures that arrived during the final week of December markedly dropped all of the averages and December 2001 fell back to being the 16th warmest on record.

The December 2001 precipitation total was 2.21 inches, which ranks it as the 59th driest December on record. The driest December was in 1890 when only a 0.05 inch of precipitation fell during the month and the wettest December occurred in 1967 when 6.63 inches of precipitation occurred. The snowfall total of 1.7 inches tied December 2001 for the 14th lowest snowfall on record. Since records began in 1888, there have been four Decembers with no measurable snowfall (1912, 1971, 1986, 1991). The greatest snowfall total for December was in 1983 when there was a whopping 19.1 inches.

The warmth and dryness of December 2001 was quite a change from last December when Champaign-Urbana had its 2nd coldest December with an average temperature of 16.5°F and its 7th snowiest December with 14.7 inches.



MCP

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/>