

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

February 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	37	9	23		T	T	T SW-	SW	6.4	18.7	N	PC	42	0
2	15	-1	7	0.01	0.1	T	SW-	W	8.1	20.8	NW	CLDY	58	0
3	35	14	25	0.01	0.1	T	RW-,SW-	S	9.8	22.6	S	PC	40	0
4	47	30	39	0.01		T	RW-,SW-	SW	7.2	17.4	W	PC	26	0
5	33	25	29		T	T	RW-,SW-	W	8.0	16.6	SW	CLDY	36	0
6	42	28	35		T	0.0	RW-,F(PM)	N	4.1	15.1	NW	PC	30	0
7	45	24	35		T	T	SW-,F(AM)	SE	4.1	13.7	SE	PC	30	0
8	59	40	50	0.35	0.0	0	TRW,RW	S	10.5	26.9	S	CLDY	15	0
9	57	21	39	0.71		T	R,S-	S	14.9	35.4	S	CLDY	26	0
10	27	15	21	0.00	0.0	T		NW	6.1	19.0	NW	PC	44	0
11	36	16	26	0.00	0.0	0		E	3.7	14.3	SE	CLR	39	0
12	39	22	31	0.00	0.0	0		SW	4.5	13.5	W	CLDY	34	0
13	42	29	36	0.22	0.0	0	RW,RW-,F(PM)	SE	3.0	11.3	S	CLDY	29	0
14	43	32	38	0.45	0.0	0	TRW+,RW-,F(AM)	N	5.7	17.8	NE	CLDY	27	0
15	36	31	34		T	0.0	L-,F(PM)	NE	5.0	16.0	NE	CLDY	31	0
16	34	16	25	0.00	0.0	0		NW	7.6	22.8	NW	CLDY	40	0
17	22	10	16	0.00	0.0	0		NW	6.2	18.1	NW	PC	49	0
18	32	12	22	0.00	0.0	0		S	7.4	18.8	S	PC	43	0
19	50	28	39	0.00	0.0	0		SW	10.5	28.6	SW	CLR	26	0
20	44	24	34	0.00	0.0	0		N	6.0	16.3	NW	PC	31	0
21	28	14	21	0.16	2.4	0	S-	NE	7.3	19.0	N	PC	44	0
22	30	20	25	0.03	0.4	3	S-	W	6.9	19.9	SW	PC	40	0
23	36	24	30	0.04	0.0	T	R-	W	4.9	17.1	W	CLR	35	0
24	56	32	44	1.85	0.0	0	TRW+,RW+	S	8.0	26.8	S	CLDY	21	0
25	54	30	42		T	0.0	RW-	W	17.1	41.7	W	CLDY	23	0
26	46	25	36	0.00	0.0	0		NW	4.0	16.5	NW	CLR	29	0
27	35	25	30		T	0	SW-	N	8.8	22.3	N	CLDY	35	0
28	31	17	24	0.00	0.0	0		N	6.2	13.7	N	CLR	41	0
AVG/TOT	39.0	21.9	30.5	3.84	3.0			S	7.2				964	0
DEP.	+1.4	+0.2	+0.8	+1.83	-2.5			NW	-0.3				-78	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	27	1	18	11	6	2	1	1	5	11	12				
DEP	0	-2	+3	-1	+3	+1	+1	+1		-1	-3	+4	-1				

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	11	1	10	0	0	0	3	5	0	0	0	4839	0	5.16
DEP	+6	-2	+1	-2	0	+1						+262	0	+1.26

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.

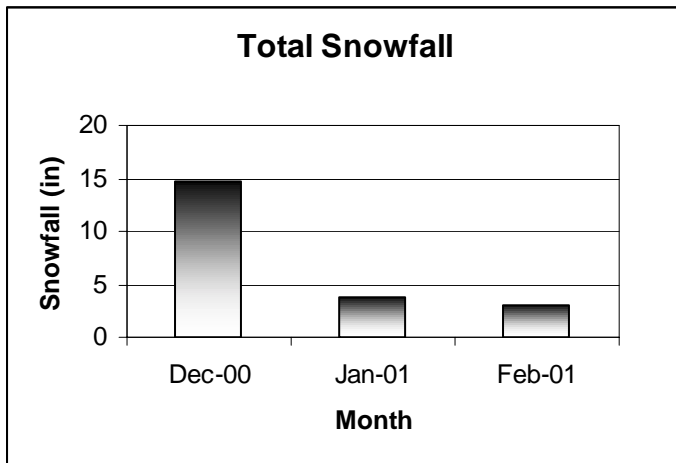
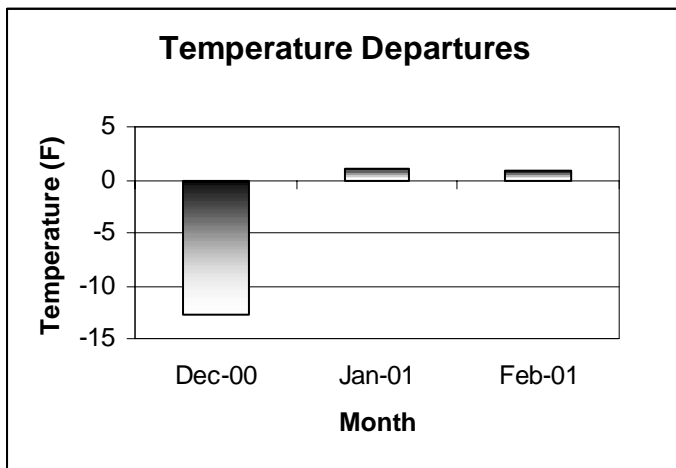
Champaign-Urbana Weather Highlights – February 2001

ILLINOIS STATE WATER SURVEY

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The 1.85" of rain on February 24th set a new record for that date, beating the old record of 0.59" set in 1930. This event helped to make the 3.84" of this month the 6th wettest February since 1888. Like January, we have continued a pattern of being warmer than average (0.8°F above average) and having less snowfall (3.0" - about half of average). See the figures below for a comparison of the last three months.

For the winter months, this was the 13th coldest since 1888 with the winter of 1977-78 being the coldest. The mild temperatures in January and February partially offset the extremely cold December. So far, we have received 21.4" of snow this winter, compared to an average of 23.2" through the end of February. On average, we can expect another 4.9" of snow in March and very early April. Therefore, we are not that far behind in terms of snowfall yet.



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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/>