

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

February 2002

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	23	30		T	0	SW-	W	10.4	35.5	W	CLDY	35	0
2	36	19	28	0.00	0.0	0		S	5.6	15.6	S	CLR	37	0
3	43	25	34	0.00	0.0	0		W	7.3	24.8	NW	CLR	31	0
4	28	15	22	0.00	0.0	0		N	7.3	21.4	N	CLR	43	0
5	35	13	24	0.00	0.0	0		SW	5.9	17.8	SW	PC	41	0
6	40	24	32	0.00	0.0	0		SW	4.2	11.1	S	CLR	33	0
7	39	26	33	0.00	0.0	0		W	5.5	15.7	W	PC	32	0
8	50	26	38	0.00	0.0	0		SW	5.8	16.6	W	CLR	27	0
9	56	31	44		T	0	RW-	SE	7.9	23.3	S	CLR	21	0
10	45	31	38	0.28		0	R,S-	NW	7.7	23.0	N	CLDY	27	0
11	40	22	31	0.00	0.0	0		SW	8.1	22.6	S	PC	34	0
12	47	29	38	0.00	0.0	0		W	10.7	26.7	W	PC	27	0
13	37	21	29	0.00	0.0	0		W	4.7	13.3	NW	CLR	36	0
14	45	24	35	0.00	0.0	0		S	10.3	22.9	SW	CLR	30	0
15	44	29	37	0.00	0.0	0		W	9.8	26.0	W	PC	28	0
16	48	29	39	0.00	0.0	0		NW	8.7	24.9	NW	PC	26	0
17	44	26	35	0.00	0.0	0		N	3.9	13.5	N	CLR	30	0
18	53	23	38	0.00	0.0	0		S	8.2	23.7	S	CLR	27	0
19	51	40	46	2.01	0.0	0	TRW,R+,R,R-	S	8.9	23.6	S	CLDY	19	0
20	52	37	45	0.13	0.0	0	R-,L-	W	14.4	31.4	W	CLDY	20	0
21	37	31	34	0.02		0	SW-,SP-	W	8.3	20.1	W	CLDY	31	0
22	39	25	32	0.00	0.0	0		N	4.6	13.1	N	PC	33	0
23	48	23	36	0.00	0.0	0		S	6.8	19.9	S	CLR	29	0
24	59	31	45	0.00	0.0	0		S	10.7	23.6	S	CLR	20	0
25	47	31	39	0.39	2.4	0	S,IP-BS	W	8.1	23.9	W	CLDY	26	0
26	31	14	23	0.12	1.0	3	SW-,BS		M	M		CLDY	42	0
27	21	5	13		T	3	SW-,BS		M	M		PC	52	0
28	33	1	17	0.00	0.0	3		SW	5.9	19.8	SW	PC	48	0
AVG/TOT	42.3	24.1	33.2	2.95	3.4			S	7.7				885	0
DEP.	+4.7	+2.4	+3.5	+0.94	-2.1			NW	+0.2				-102	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	3	26	0	9	6	5	1	1	2	12	9	7				
DEP	0	-6	+2	-2		-2	0	0	+1	0	+4	+2	-6				

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	4	1	6	0	1	0	1	0	0	0	3	3688	0	5.76
DFP	-1	-2	-3	-2	0	-4						-798	0	+1.86

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 = Missin

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 2002

ILLINOIS STATE WATER SURVEY

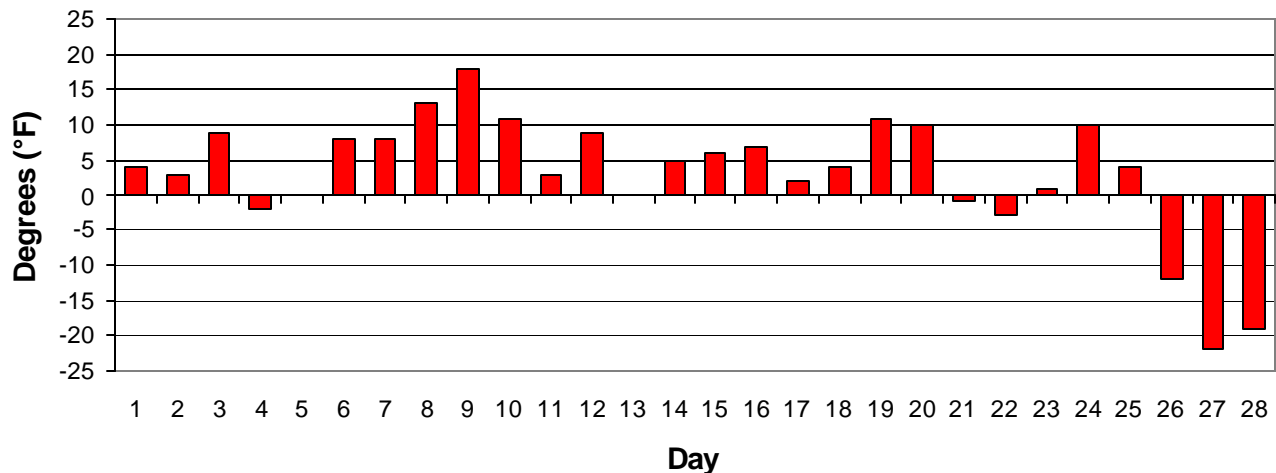
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No temperature records were set during February 2002, and with a monthly mean temperature of 33.2°F, February 2002 ended as the 24th warmest February since records began in 1889. The coldest February on record occurred in 1905 when the average temperature for the month was only 16.8°F and the warmest February was in 1954 (40.1°F).

February 2002 ended above average in precipitation, mostly due to Champaign – Urbana receiving its normal monthly precipitation all in one day. The 2.01 inches on the 19th equaled the average February monthly total and far surpassed the former February 19th one day record of 1.78 inches set in 1939. No other precipitation records were set during the month.

Winter finally arrived the last week of February, when the lowest temperature of the meteorological winter (December, January, February) was reached (1°F). For the season, the minimum temperature normally falls below 0°F seven times; however, winter 2001 – 2002 never went below the 0°F mark, a feat that has only occurred thirteen other times since records began. The last time this occurred was during the winter of 1997-1998.

**February 2002 Mean Daily Temperature
Departure from Normal**



Winter (December, January, February) statistics:

Mean maximum:	42.6°F (+7.1) – 4 th warmest
Mean minimum:	25.6°F (+5.4°) – 8 th warmest
Mean temperature:	34.1°F (+6.2°) – 5 th warmest
Precipitation:	7.97 inches (+1.31) – 26 th wettest
Snowfall:	5.9 inches (-14.3) – 9 th lowest

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/>

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