

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

February 2003

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	COVER	Heat	Cool
1	36	32	34	T	0.0	2	RW-	SE	5.1	12.9	NW	CLDY	31	0
2	42	30	36	0.00	0.0	1		E	3.1	13.9	SE	PC	29	0
3	56	32	44	0.18	T	0	R-,RW,SW-,F	S	10.4	28.4	W	CLDY	21	0
4	32	14	23	T	T	0	SW-	W	14.1	32.9	W	PC	42	0
5	30	9	20	0.00	0.0	0		S	4.7	13.6	N	CLR	45	0
6	33	21	27	0.01	0.2	T	S-	N	6.4	19.0	N	CLDY	38	0
7	21	7	14	T	T	0	SW-	W	7.5	18.0	NW	PC	51	0
8	35	10	23	T	T	0	SW-	SW	9.9	22.6	SW	PC	42	0
9	29	14	22	T	T	0	S-	S	4.9	14.0	N	PC	43	0
10	31	12	22	0.07	1.1	1	S-	NW	7.5	23.6	W	CLDY	43	0
11	37	6	22	0.07	2.1	3	S-,SW,BS	SW	8.2	30.7	NW	PC	43	0
12	23	7	15	0.00	0.0	2		W	8.0	20.6	W	CLR	50	0
13	41	9	25	0.00	0.0	1		W	3.7	12.5	W	CLR	40	0
14	34	26	30	0.61	T	0	R,S-,IP,ZR	NE	5.5	21.0	NE	CLDY	35	0
15	32	19	26	0.41	5.0	1	S,IP-,BS	NE	11.4	25.8	NE	CLDY	39	0
16	23	15	19	T	T	4	S-,BS	NE	11.2	24.9	NE	PC	46	0
17	28	18	23	T	T	4	SW-	N	6.0	16.8	NE	CLDY	42	0
18	34	25	30	T	T	4	S-	SW	8.9	16.9	SW	CLDY	35	0
19	37	24	31	0.00	0.0	3	F	N	4.2	15.2	S	PC	34	0
20	47	21	34	0.00	0.0	1	F	S	2.4	12.2	S	CLR	31	0
21	42	27	35	T	0.0	T	L-,F	NE	2.1	9.5	N	PC	30	0
22	36	25	31	0.15	T	0	R,L,S-,IP-	N	12.0	31.0	N	CLDY	34	0
23	27	18	23	0.04	0.8	0	S	N	6.2	21.4	N	PC	42	0
24	23	5	14	0.06	1.2	2	S,S-	NW	7.0	21.7	W	CLDY	51	0
25	18	2	10	0.00	0.0	2		NW	3.2	13.0	NW	CLR	55	0
26	28	16	22	0.00	0.0	1		E	2.3	8.7	E	CLDY	43	0
27	31	16	24	0.00	0.0	T		NE	3.8	12.7	NE	CLDY	41	0
28	39	22	31	0.00	0.0	T		NE	2.3	8.7	E	PC	34	0
<b>AVG/TOT</b>	<b>33.0</b>	<b>17.2</b>	<b>25.1</b>	<b>1.60</b>	<b>10.4</b>			<b>NE</b>	<b>6.5</b>				<b>1110</b>	<b>0</b>
<b>DEP.</b>	<b>-4.6</b>	<b>-4.5</b>	<b>-4.6</b>	<b>-0.41</b>	<b>+4.9</b>			<b>NW</b>	<b>-1.0</b>				<b>+123</b>	<b>0</b>

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	14	28	0	18	9	4	1	0	4	5	11	12				
DEP	0	+4	+5	-2	0	-1	0	0	0	+2	-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	4	2	16	1	3	0	0	4	0	0	2	4678	0	2.39
DFP	-1	-1	+7	-1	0	0	0	0	0	0	0	+192	0	-1.51

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.

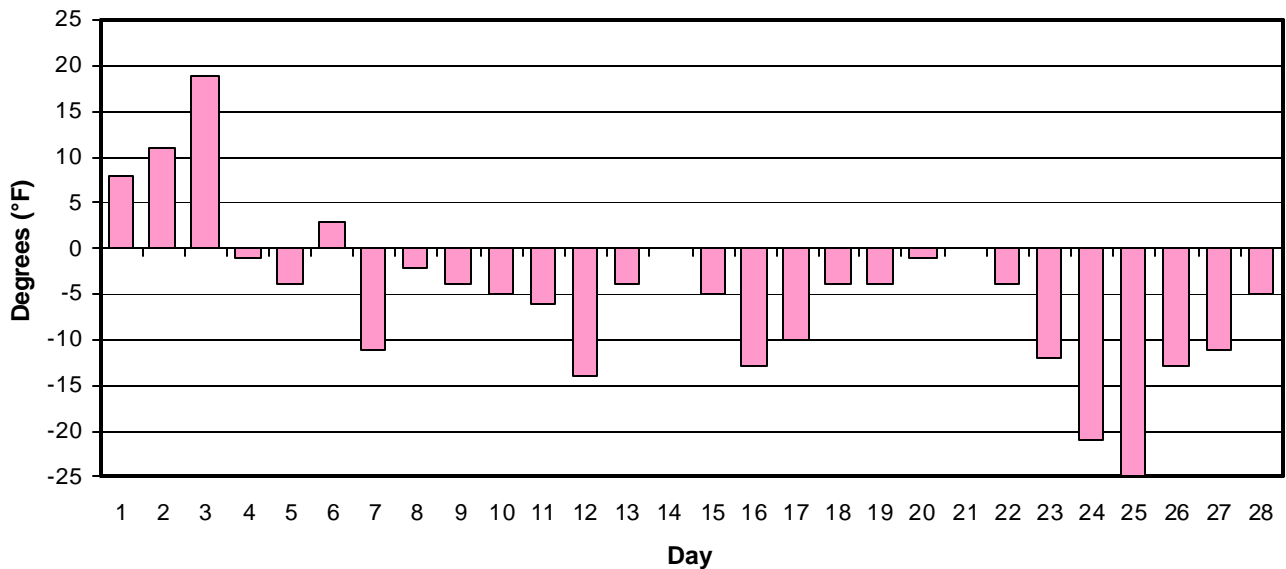
# Champaign-Urbana Weather Highlights – February 2003

## ILLINOIS STATE WATER SURVEY

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February 2003 was marked by numerous snowfalls, resulting in this February being the 14<sup>th</sup> snowiest on record. \* A new snowfall record for February 15<sup>th</sup> was set this year, with the 5.0 inches received that day passing the old record of 4.7 inches that was set on February 15, 1964. And, with only four days of above average temperatures, February 2003 ended as the 21<sup>st</sup> coldest February since 1888. The coldest and snowiest February in Champaign-Urbana occurred in 1905, when the average temperature for the month was 16.8° Fahrenheit and the area received 18.5 inches of snow!

**February 2003 Mean Daily Temperature  
 Departure from Normal**



Winter Statistics	Dec 02 – Feb 03	Departure from Average	Ranking
Maximum Temperature	34.1° F	-1.4° F	23 <sup>rd</sup> coldest (tie w/ 1915)
Minimum Temperature	18.0° F	-2.2° F	23 <sup>rd</sup> coldest (tie w/ 1900)
Mean Temperature	26.1° F	-1.8° F	21 <sup>st</sup> coldest (tie w/ 1962, 1964)
Precipitation	3.93 inches	-2.73 inches	19 <sup>th</sup> driest
Snowfall	25.9 inches	+5.7 inches	14 <sup>th</sup> snowiest

### 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/>