

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

January 2004

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	52	29	41	0.02	0.0	0	RW-	S	5.8	17.7	SW	CLDY	24	0
2	63	51	57	0.00	0.0	0	F	S	10.3	25.8	SW	CLDY	8	0
3	60	35	48	0.69	0.0	0	R,RW	N	6.9	17.9	NE	CLDY	17	0
4	35	29	32	0.82	0.1	0	R,RW-,ZL-,SW-	NE	9.1	23.9	E	CLDY	33	0
5	30	5	18	T	0.1	T	SW-	NW	8.3	21.7	NW	CLDY	47	0
6	18	2	10	0.00	0.0	T		W	11.4	25.8	W	CLR	55	0
7	31	10	21	0.00	0.0	T		SW	8.0	17.5	SW	CLR	44	0
8	36	26	31	T	T	0	SW-	S	4.3	13.9	S	PC	34	0
9	30	20	25	0.00	0.0	0		NE	6.3	16.4	N	PC	40	0
10	29	13	21	0.00	0.0	0		S	4.9	15.6	S	CLDY	44	0
11	45	24	35	0.00	0.0	0		SW	10.5	26.1	SW	CLR	30	0
12	38	29	34	0.00	0.0	0		W	6.5	17.5	NW	CLDY	31	0
13	37	28	33	0.00	0.0	0		N	4.7	13.8	NW	PC	32	0
14	43	22	33	T	T	0	RW-,ZR-,IP-	S	10.3	30.9	N	PC	32	0
15	31	17	24	0.00	0.0	0		N	4.8	17.8	N	PC	41	0
16	38	25	32	0.02	0.0	0	R-,ZR-	SE	6.6	17.6	SE	PC	33	0
17	38	32	35	0.39	0.0	0	R-,ZR-	SE	4.9	17.1	NW	CLDY	30	0
18	32	12	22	T	T	0	SW-	N	9.4	22.7	N	PC	43	0
19	21	6	14	0.00	0.0	0		N	5.8	15.7	N	CLR	51	0
20	27	13	20	0.00	0.0	0		N	2.5	8.4	N	PC	45	0
21	38	19	29	0.00	0.0	0		SW	8.9	25.6	SW	PC	36	0
22	36	7	22	0.00	0.0	0		NW	8.3	21.0	W	CLR	43	0
23	37	7	22	0.00	0.0	0		S	8.8	25.8	S	PC	43	0
24	37	17	27	T	T	0	SW-	N	5.6	17.8	N	CLDY	38	0
25	22	15	19	0.11	1.3	0	S-	NE	8.2	26.4	NE	CLDY	46	0
26	24	17	21	T	T	1	ZR-,SW-	NE	4.5	14.7	NE	CLDY	44	0
27	23	6	15	0.08	2.6	3	S-,SW-,BS	W	10.8	27.6	W	CLDY	50	0
28	17	0	9	0.00	0.0	3		W	8.4	18.1	NW	PC	56	0
29	10	1	6	0.05	1.1	3	SW-	N	5.4	14.6	NW	CLDY	59	0
30	3	-10	-4	0.00	0.0	4		W	6.3	16.1	W	PC	69	0
31	11	-12	-1	0.00	0.0	4		E	2.6	9.5	S	CLR	66	0
<b>AVG/TOT</b>	<b>32.0</b>	<b>16.0</b>	<b>24.0</b>	<b>2.18</b>	<b>5.2</b>			<b>W</b>	<b>7.1</b>				<b>1264</b>	<b>0</b>
<b>DEP.</b>	<b>0.0</b>	<b>-0.7</b>	<b>-0.4</b>	<b>+0.29</b>	<b>-3.4</b>			<b>W</b>	<b>-0.8</b>				<b>+5</b>	<b>0</b>

NUMBER OF DAYS and DEPARTURE

	MAX TEMP				MIN TEMP				PRECIPITATION					SNOW	SKY COVER		
	>=90	<=32	<=32	<=0	>	>=.01	>=.10	>=.50	>=1.00	>=1.0	CLR	PC	CLDY				
TOTAL	0	16	29	3	14	8	4	2	0	3	6	12	13				
DEP	0	0	0	-1	-2	-1	+1	0	0	-2	+3	-1					

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-January
TOTAL	6	0	9	5	1	0	0	1	0	0	1	3266	0	2.18
DFF	+1	-3	-1	+3	0	-1	-3				-233	0	+0.29	

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  
L = Drizzle  
S = Snow  
T = Thunder  
Z = Freezing rain/drizzle  
IP = Ice pellets (sleet)  
A = Hail  
F = Fog  
D = Dust  
H = Haze  
BS = Blowing snow  
RW = Rainshower  
SW = Snowshower

PRECIP INTENSITY

- Light  
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 – January 2004

## ILLINOIS STATE WATER SURVEY

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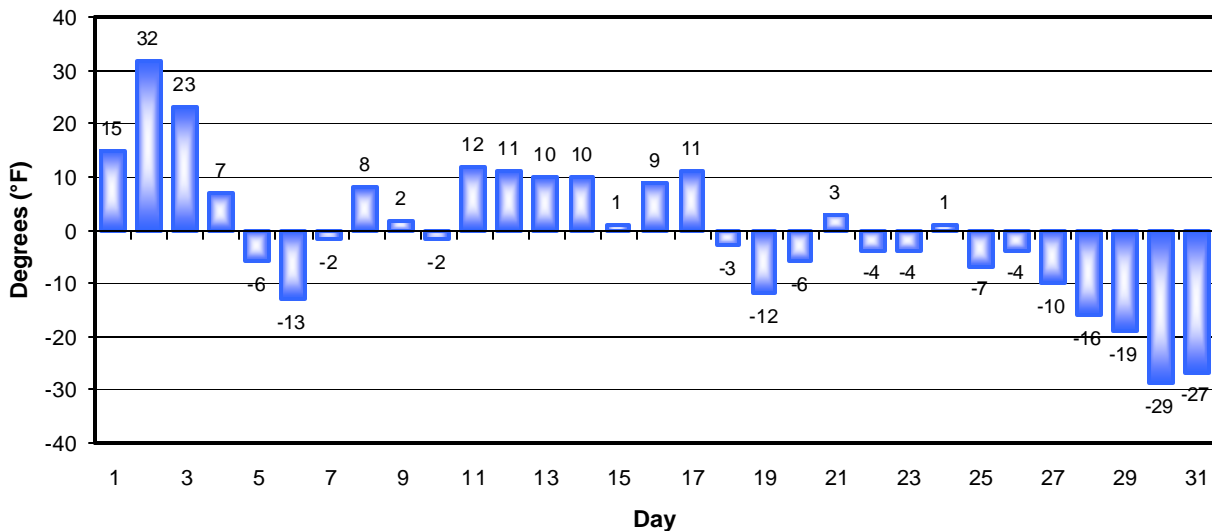
During January 2004, Champaign-Urbana experienced drastic extremes of temperature, starting the year off with record high temperatures and ending the month with record cold. The following temperature records were set or tied during the month:

- On **January 2<sup>nd</sup>**, a **record high maximum temperature** was set and the **record high mean temperature** was tied. The maximum temperature of 63° F rose above the old record for the 2<sup>nd</sup> of 62° F set in 1997. The mean temperature of 57° F tied the long standing record high mean of 57° F set in 1897.
- On **January 3<sup>rd</sup>**, the **record high maximum temperature** was tied. The maximum temperature of 60° F equaled the record high set in 1950.
- On **January 30<sup>th</sup>**, a **record low maximum temperature** was set. The maximum temperature for the day was only 3° F, chilling out the old record low max temperature of 7° F set in 1936.

Amazingly, with the extremes in temperatures, the averages for the month turned out to be almost exactly normal and January 2004 tied with 1922 and 1987 as the 33<sup>rd</sup> coldest January on record.

The precipitation total for January 2004 of 2.18 inches ties the month with 1928 as the 32<sup>nd</sup> wettest January on record. And, the snowfall total of 5.2 inches ties this January with January 1941 as the 33<sup>rd</sup> lowest snowfall since 1903. No new precipitation or snowfall records were set or tied during the month.

January 2004 Mean Daily Temperature Departures from Normal



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/>