

Local Climatological Data  
Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

February 2008

DATE	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER TYPES	WIND				DEGREE DAYS	
	Max	Min	Mean		Amnt	Depth		Dir	Speed (mph)	Peak Gust	Gust Dir	Heat	Cool
1	27	23	25	0.57	6.2	6	SW+		M	M		40	0
2	34	23	29	0.02	0.3	6	SW-, F(PM)		M	M		36	0
3	32	14	23	0.00	0.0	6	F		M	M		42	0
4	55	32	44	0.74	T	4	L,ZR-,IP-,TRW,F		M	M		21	0
5	53	33	43	0.78	0.0	0	TRW, RW-, F		M	M		22	0
6	36	28	32	2.23	0.0	0	TRW+, RW-, F		M	M		33	0
7	30	27	29	0.06	T	T	L, RW-, SW-		M	M		36	0
8	43	30	37	0.01	0.1	T	SW-		M	M		28	0
9	47	22	35	0.06	0.0	0	L, RW-		M	M		30	0
10	22	5	14	0.00	0.0	0			M	M		51	0
11	18	3	11	0.02	0.3	T	SW-		M	M		54	0
12	20	14	17	T	T	T	SW-		M	M		48	0
13	28	9	19	T	T	T	ZL, SW-		M	M		46	0
14	40	18	29	0.00	0.0	T			M	M		36	0
15	35	19	27	0.00	0.0	0			M	M		38	0
16	42	13	28	0.00	0.0	0			M	M		37	0
17	53	32	43	0.78	0.0	0	RW		M	M		22	0
18	33	9	21	0.09	T	T	TRW-, RW+, SW-		M	M		44	0
19	23	7	15	T	T	T	SW-		M	M		50	0
20	22	10	16	0.03	0.8	1	SW-, BS		M	M		49	0
21	21	8	15	0.00	0.0	T			M	M		50	0
22	25	18	22	0.08	1.1	1	SW		M	M		43	0
23	29	7	18	0.21	3.8	5	SW,SW+,F(PM)		M	M		47	0
24	34	7	21	0.00	0.0	3	F(AM)		M	M		44	0
25	34	31	33	0.00	0.0	2			M	M		32	0
26	33	21	27	0.18	0.9	2	RW-,SW-,BS		M	M		38	0
27	25	16	21	0.01	0.4	2	RW-, SW-		M	M		44	0
28	30	10	20	0.00	0.0	2			M	M		45	0
29	41	27	34	0.09	1.3	3	SW-		M	M		31	0
<b>AVG/TOT</b>	<b>33.3</b>	<b>17.8</b>	<b>25.6</b>	<b>5.96</b>	<b>15.2</b>							<b>1137</b>	<b>0</b>
DEP.	-4.3	-3.9	-4.1	+3.95	+9.7			NW				+150	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	0	14	28	0	20	17	7	5	1	4
DEP	0	+4	+5	-2	+8	+2	+4	+1		+2

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	9	3	16	2	1	0	4	7	0	0	2	4335	0	8.27
DEP	+4	0	+7	0	0	0	+3				-151	0	+4.37	

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 8 am LST

M = Missing

WEATHER TYPES:

PRECIP INTENSITY

- Light Precip amount "T" =Trace  
Moderate  
+ Heavy

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

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.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

## Champaign-Urbana Weather Highlights – February 2008

### ILLINOIS STATE WATER SURVEY

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**Temperatures** ranged from a high of 55°F on February 4 to a low of 3°F on February 11. While the monthly maximum, minimum, and mean monthly temperatures were all below normal they did not make the top ten list of coldest Februaries.

**Precipitation** for February was 5.96 inches, 3.95 inches above normal and the second wettest February on record. February 1990 is the wettest on record with 6.05 inches. This is also the third wettest winter (December – February) with a total of 11.22 inches of precipitation. Precipitation includes all rainfall events plus the liquid content of any snowfall events.

**Snowfall** for February snowfall was 15.2 inches, 9.7 inches above normal and the seventh snowiest February on record. The seasonal snowfall total is at 24.3 inches compared to a normal of 26.2 inches. Of course, there are always opportunities for snow in March.

### Additional Information

Additional information for February can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. Usually, these data are posted several days after the end of the month at: <http://www.sws.uiuc.edu/warm/data/2008/February/Champaign.txt>

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called the Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) at <http://www.cocorahs.com/>.

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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 8:30 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>