



## Champaign-Urbana Weather Highlights – February 2009

Jim Angel, state climatologist

**Temperatures** ranged from a high of 62°F on February 9 and 10 to a low of -2°F on February 5. After an exceptionally cold December (3.4°F below normal) and January (5.6°F below normal), February finished 2.9°F above normal.

In climatology we define "winter" as the three coldest months of the year – December, January and February. This year the average winter temperature was 25.4°F, 2.5°F below normal.

**Precipitation** for February was 1.68 inches, 0.33 inches below normal. Winter precipitation was 7.25 inches, 0.59 inches above normal.

**Snowfall** for February was only 2.0 inches, 3.5 inches below normal. Winter (December-February) snowfall was 16.1 inches, 4.1 inches below normal. However, we may see some snow as early as late October and as late as early April. Therefore, the "snowfall season" extends out beyond the core winter months defined earlier. When the 2.4 inches in November is included, then this season's snowfall total is 18.5 inches, 3.9 inches below normal through the end of February.

### 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/2009/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/>.

For more information on the climate of Illinois, visit the web site at:

<http://www.isws.illinois.edu/atmos/statecli/>.

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# Local Climatological Data

## Champaign-Urbana, IL - 118740

Illinois State Water Survey  
Water Survey Research Center

### February 2009

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	41	25	33	0.00	0.0	4		M	M			32	0
2	31	10	21	0.00	0.0	3		M	M			44	0
3	21	2	12	0.05	1.1	4	SW	M	M			53	0
4	17	-1	8	T	T	4	SW-	M	M			57	0
5	25	-2	12	0.00	0.0	3		M	M			53	0
6	44	16	30	0.00	0.0	3		M	M			35	0
7	59	41	50	0.00	0.0	T		M	M			15	0
8	44	30	37	0.00	0.0	0	F(PM)	M	M			28	0
9	62	32	47	0.00	0.0	0	H	M	M			18	0
10	62	48	55	0.14	0.0	0	H,RW-	M	M			10	0
11	59	36	48	0.79	0.0	0	RW-,RW,F(AM)	M	M			17	0
12	49	30	40	0.32	0.0	0	RW+,RW-	M	M			25	0
13	45	24	35	0.00	0.0	0		M	M			30	0
14	33	25	29	0.02	0.4	T	L,SW-	M	M			36	0
15	33	22	28	0.00	0.0	0		M	M			37	0
16	36	18	27	0.00	0.0	0		M	M			38	0
17	39	23	31	0.00	0.0	0		M	M			34	0
18	44	27	36	0.04	0.0	0	RW-	M	M			29	0
19	27	15	21	T	0.4	T	RW-,SW-	M	M			44	0
20	31	13	22	T	T	0	SW-	M	M			43	0
21	36	20	28	T	0.1	T	SW-,F(AM)	M	M			37	0
22	29	12	21	T	T	0	SW-	M	M			44	0
23	33	12	23	0.00	0.0	0		M	M			42	0
24	42	21	32	0.00	0.0	0		M	M			33	0
25	59	29	44	0.00	0.0	0		M	M			21	0
26	57	36	47	0.01	0.0	0	F(AM), R-	M	M			18	0
27	45	24	35	0.31	T	0	F(AM),RW,TRW+,	M	M			30	0
28	32	21	27	T	T	0	SW-	M	M			38	0
<b>AVG/TOT</b>	<b>40.5</b>	<b>21.8</b>	<b>31.2</b>	<b>1.68</b>	<b>2.0</b>							<b>941</b>	<b>0</b>
DEP.	+2.9	+0.1	+1.5	-0.33	-3.5			NW				-46	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	8	24	2	14	8	4	1	0	1
DEP	0	-2	+1	0		-1	-1	0	0	-1

	WEATHER TYPES											SEASONAL DEGREE DAYS		PRECIPITATION
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-February
TOTAL	7	1	9	1	0	0	1	5	0	2	0	4685	0	2.36
DEP	+2	-2	0	-1			+1					+199	0	-1.54

**Averages based on 1971-2000 data.**

Temp midnight-midnight, Precip and Snow at 7 am LST

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.