

## Champaign-Urbana Weather Highlights - January 2010

Jim Angel, State Climatologist

**Temperatures** for January were below normal. The average high temperature of 25.9°F was 6.1°F below normal. The average low temperature of 13.9°F was 2.8°F below normal. The average mean temperature of 19.9°F was 4.5°F below normal.

**Precipitation** for January was 1.24 inches, 0.65 inches below normal.

**Snowfall** for January was 8.7 inches, 0.1 inches above normal. That is far below the record of 28.0 inches that fell in January 1979. Seasonal snowfall through the end of January is 15.6 inches, 1.3 inches below normal.

Regarding snow, the *snowfall amount* is the total snowfall that fell within the 24 hours previous to our 8 am observation time. The *snow depth* is the total depth of snow found at 8 am and may represent both new snow and any remaining snow from previous events. While the 24-hour *snowfall amount* is reported to the nearest tenth of an inch, *snow depth* is reported to the nearest inch. As a cooperative observer for the National Weather Service, we follow their guideline on measuring and reporting snowfall. These guidelines are described at <a href="http://www.nws.noaa.gov/om/coop/snowguid.htm">http://www.nws.noaa.gov/om/coop/snowguid.htm</a>.

## **Additional Information**

Additional information for January can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site at <a href="http://www.sws.uiuc.edu/warm/data/2010/January/Champaign.txt">http://www.sws.uiuc.edu/warm/data/2010/January/Champaign.txt</a>.

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

For more information on the climate of Illinois, visit the web site at <a href="http://www.isws.illinois.edu/atmos/statecli/">http://www.isws.illinois.edu/atmos/statecli/</a>.

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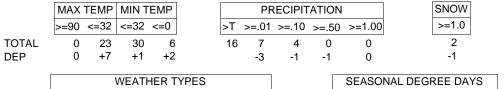
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Illinois State Water Survey Water Survey Research Center

## January 2010

	TEMPERATURE			PRECIP (in)	SNOW (in)		WEATHER	WIND		DEGREE DAYS	
DATE	Max	Min	Mean		Amnt	Depth	TYPES	Dir Spee (mph	d Peak Gust ) Gust Dir	Heat	Cool
1	13	3	8	0.00	0.0	2			м м	57	0
2	9	-2	4	0.00	0.0	2			M M	61	0
3	13	-3	5	0.00	0.0	2			M M	60	0
4	12	1	7	0.00	0.0	2			M M	58	0
5	11	-1	5	0.00	0.0	2			M M	60	0
6	18	0	9	Т	Т	2	H,SW-		M M	56	0
7	21	10	16	0.33	4.9	7	SW-		M M	49	0
8	21	6	14	0.03	2.1	8	SW-		M M	51	0
9	13	-5	4	Т	Т	7	SW-		M M	61	0
10	18	-8	5	0.00	0.0	6			M M	60	0
11	23	17	20	0.00	0.0	6			M M	45	0
12	28	12	20	Т	Т	6	SW-		M M	45	0
13	34	7	21	0.00	0.0	6	F(PM)		M M	44	0
14	39	22	31	0.00	0.0	5			M M	34	0
15	36	29	33	Т	0.0	3	L,F(AM)		M M	32	0
16	32	28	30	Т	0.0	2	F,L		M M	35	0
17	32	26	29	0.00	0.0	2	F		M M	36	0
18	33	31	32	0.00	0.0	2	F		M M	33	0
19	32	26	29	0.00	0.0	2	F		M M	36	0
20	32	26	29	Т	Т	2	F,SW-,ZR-		M M	36	0
21	33	32	33	0.15	0.0	2	ZR-,RW-,RW,F(AM		M M	32	0
22	36	31	34	0.29	0.0	1	RW-,L,F(AM)		M M	31	0
23	44	33	39	T	0.0	Т	F,L		M M	26	0
24	48	31	40	0.36	0.0	0	RW,RW-,T,F		M M	25	0
25	31	20	26	Т	Т	Т	SW-		M M	39	0
26	20	11	16	0.03	0.9	1	SW-		M M	49	0
27	29	12	21	Т	Т	1	SW-		M M	44	0
28	24	8	16	0.05	8.0	2	SW-		M M	49	0
29	18	8	13	0.00	0.0	2			M M	52	0
30	22	11	17	0.00	0.0	1			M M	48	0
31	29	8	19	0.00	0.0	1			M M	46	0
AVG/TOT	25.9	13.9	19.9	1.24	8.7					1390	0
DEP.	-6.1	-2.8	-4.5	-0.65	+0.1			W		+131	0

## **NUMBER OF DAYS and DEPARTURE**



S BS HEATING COOLING TOTAL 3 4 2 0 1 11 0 10 0 3588 0 +89 0 DEP -2 +1 0 0 0 +7

PRECIPITATION JAN-January 1.24 -0.65

Averages based on 1971-2000 data.

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

M = Missing

**WEATHER TYPES:** 

R = Rain

L = Drizzle

Z = Freezing rain/drizzle D = DustIP = Ice pellets (sleet) H = Haze

BS = Blowing snow

A = Hail S = SnowT = Thunder F = FogRW = 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.