



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 <http://www.nws.noaa.gov/om/coop/snowguid.htm> .

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 <http://www.sws.uiuc.edu/warm/data/2010/January/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/>.

Contact Information:
2204 Griffith Drive
Champaign, IL 61820-7495
Phone: 217-333-0729
Email: jimangel@illinois.edu

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 2010

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	13	3	8	0.00	0.0	2		M	M		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	T	T	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	T	T	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	T	T	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	T	0.0	3	L,F(AM)	M	M		32	0	
16	32	28	30	T	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	T	T	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	T	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	T	T	T	SW-	M	M		39	0	
26	20	11	16	0.03	0.9	1	SW-	M	M		49	0	
27	29	12	21	T	T	1	SW-	M	M		44	0	
28	24	8	16	0.05	0.8	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

	MAX TEMP		MIN TEMP		PRECIPITATION					SNOW
	>=90	<=32	<=32	<=0	>T	>=.01	>=.10	>=.50	>=1.00	>=1.0
TOTAL	0	23	30	6	16	7	4	0	0	2
DEP	0	+7	+1	+2	-3	-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-January
TOTAL	3	4	10	2	0	0	1	11	0	1	0	3588	0	1.24
DEP	-2	+1	0	0	0	0	+7					+89	0	-0.65

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.