



Champaign-Urbana Weather Highlights – January 2009

Jim Angel, state climatologist

Temperatures ranged from a high of 46°F on January 4 to a low of -17°F on January 16. The monthly average maximum temperature was 27.7°F, 4.3 degrees below normal and the 16th coldest on record. The monthly average minimum temperature was 9.9°F, 6.8 degrees below normal and the 11th coldest on record. The monthly average mean temperature was 18.8°F, 5.6 degrees below normal and the 14th coldest on record.

Precipitation for January was 0.68 inches, 1.21 inches below normal and the 14th driest January on record.

Snowfall for January was 9.9 inches, 1.3 inches above normal and the 18th snowiest on record.

Additional Information

Additional information for January 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/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/>.

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 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	34	17	26	0.00	0.0	0	S-		M	M		39	0
2	40	25	33	0.00	0.0	0			M	M		32	0
3	41	24	33	0.00	0.0	0			M	M		32	0
4	46	20	33	T	0.0	0	RW-,F(PM,AM)		M	M		32	0
5	29	15	22	0.00	0.0	0			M	M		43	0
6	30	22	26	T	T	T	SW-		M	M		39	0
7	28	18	23	0.01	T	T	R-,ZL,F(PM),SW-,		M	M		42	0
8	26	12	19	T	0.1	T	SW-		M	M		46	0
9	43	17	30	T	T	T	SW-		M	M		35	0
10	34	20	27	0.04	0.0	0			M	M		38	0
11	28	18	23	T	0.0	0			M	M		42	0
12	34	21	28	T	0.2	T	SW-		M	M		37	0
13	33	6	20	T	M	T	SW-		M	M		45	0
14	26	-3	12	0.15	4.5	5	S		M	M		53	0
15	-3	-14	-9	T	T	T	SW-		M	M		74	0
16	9	-17	-4	0.00	0.0	3			M	M		69	0
17	32	6	19	0.00	0.0	3			M	M		46	0
18	24	12	18	T	0.0	3	ZR-		M	M		47	0
19	21	7	14	0.01	0.3	3	SW-		M	M		51	0
20	19	3	11	T	T	3	SW-		M	M		54	0
21	32	1	17	T	T	3	SW-		M	M		48	0
22	44	15	30	0.00	0.0	3			M	M		35	0
23	37	19	28	0.00	0.0	T			M	M		37	0
24	19	5	12	0.00	0.0	T			M	M		53	0
25	11	5	8	T	T	T	SW-		M	M		57	0
26	18	10	14	0.10	0.7	1	SW-		M	M		51	0
27	19	15	17	T	T	T	SW-		M	M		48	0
28	17	1	9	0.37	4.0	5	S		M	M		56	0
29	29	12	21	T	T	T	SW-		M	M		44	0
30	20	1	11	T	T	5	S-		M	M		54	0
31	39	-6	17	0.00	0.0	5			M	M		48	0
AVG/TOT	27.7	9.9	18.8	0.68	9.9							1427	0
DEP.	-4.3	-6.8	-5.6	-1.21	+1.3				W			+168	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	20	31	4	21	6	3	0	0	2
DEP	0	+4	+2	0	-4	-2	-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	2	0	18	2	0	0	0	2	0	0	0	3744	0	0.68
DEP	-3	-3	+8	0	0	-1	-2					+245	0	-1.21

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.