



Champaign-Urbana Weather Highlights – December 2008

Jim Angel, state climatologist

Temperatures ranged from a high of 62°F on December 27 to a low of -2°F on December 21. The monthly average maximum temperature was 34.4°F, 2.4 degrees below normal. The monthly average minimum temperature was 17.7°F, 4.5 degrees below normal. The monthly average mean temperature was 26.1°F, 3.4 degrees below normal.

Precipitation for December was 4.89 inches, 2.13 inches above normal and the 12th wettest December on record. The January-December precipitation was 52.57 inches, 11.52 inches above normal and the fifth wettest on record since 1889*. The wettest January-December on record was 1993 with 58.54 inches.

Snowfall for December was 4.2 inches, 1.9 inches below normal. The snowiest December on record was 1983 with 19.1 inches.

*Records for Champaign-Urbana started in late August 1888. However, the first complete January-December record was 1889.

Additional Information

Additional information for December 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/December/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.sws.uiuc.edu/atmos/statecli/>.

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

December 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	32	22	27	0.13	1.5	4	SW-,F(PM)		M	M		38	0
2	35	21	28	0.01	0.6	3	SW-		M	M		37	0
3	41	20	31	0.00	0.0	2			M	M		34	0
4	24	12	18	0.02	0.3	T	RW-,SW-		M	M		47	0
5	23	7	15	T	T	T	SW-		M	M		50	0
6	32	15	24	T	0.5	1	SW-		M	M		41	0
7	24	6	15	T	0.1	1	SW-		M	M		50	0
8	43	24	34	0.01	0.0	T	ZR-		M	M		31	0
9	48	30	39	0.30	0.0	0	RW-,RW		M	M		26	0
10	33	23	28	0.04	T	0	RW-,SW-		M	M		37	0
11	36	19	28	0.00	0.0	0			M	M		37	0
12	25	16	21	T	0.1	T	SW-		M	M		44	0
13	39	17	28	T	0.1	T	SW-		M	M		37	0
14	52	33	43	T	0.0	0	RW-		M	M		22	0
15	33	9	21	0.06	T	T	RW-,RW,SLT,SW-		M	M		44	0
16	23	10	17	0.00	0.0	0			M	M		48	0
17	23	11	17	0.14	1.0	1	SW-,SLT,ZL,F		M	M		48	0
18	30	15	23	0.00	0.0	1			M	M		42	0
19	38	30	34	1.35	0.0	1	ZR,R,TR,RW-,F(A		M	M		31	0
20	31	12	22	0.00	0.0	T			M	M		43	0
21	12	-2	5	0.01	T	T	SW-,ZR-		M	M		60	0
22	16	-1	8	T	T	T	SW-		M	M		57	0
23	32	16	24	T	T	T	SW-		M	M		41	0
24	37	14	26	1.24	T	1	SW-,IP,ZR-,RW,R		M	M		39	0
25	27	9	18	0.14	0.0	T	RW-,R,F(AM)		M	M		47	0
26	52	27	40	T	0.0	T	RW-		M	M		25	0
27	62	33	48	0.03	0.0	0	F,RW-		M	M		17	0
28	39	27	33	1.41	0.0	0	RW-,RW,T		M	M		32	0
29	46	31	39	0.00	0.0	0			M	M		26	0
30	50	26	38	0.00	0.0	0			M	M		27	0
31	28	16	22	0.00	0.0	0	S-		M	M		43	0
AVG/TOT	34.4	17.7	26.1	4.89	4.2							1201	0
DEP.	-2.4	-4.5	-3.4	+2.13	-1.9				W			+103	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	15	29	2	23	14	7	3	3				2	
DEP	0	+5	+3	0	+3	+1	+1	+2				0		

	WEATHER TYPES										SEASONAL DEGREE DAYS		PRECIPITATION	
	R	L	S	Z	IP	A	T	F	D	H	BS	HEATING	COOLING	JAN-December
TOTAL	10	0	15	6	3	0	2	5	0	1	0	2317	913	52.57
DEP	+2	-3	+6	+3	0	+1	-1	■	■	■		+77	-73	+11.52

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.