Local Climatological Data
Champaign-Urbana, IL - 118740
December 2007

Illinois State Water Survey
Water Survey Research Center

DATE	TEMPERATURE Max	TEMPERATURE Min	TEMPERATURE Mean	PRECIP (in)	SNOW (in) Amnt	SNOW (in) Depth	WEATHER TYPES	WIND Dir	WIND Speed (mph)	WIND Peak Gust	WIND Gust Dir	DEGREE DAYS Heat	DEGREE DAYS Cool
1	41	19	30	0.00	0.0	0			M	M		35	0
2	61	26	44	0.09	T	0	SW-,ZR,RW-		M	M		21	0
3	34	19	27	0.49	0.0	0	TRW+		M	M		38	0
4	32	22	27	0.00	0.0	0			M	M		38	0
5	30	15	23	0.07	0.4	T	SW-		M	M		42	0
6	30	9	20	0.05	0.1	T	SW-		M	M		45	0
7	32	26	29	0.16	2.0	2	SW		M	M		36	0
8	31	25	28	0.02	0.0	1	RW-, ZR-		M	M		37	0
9	31	29	30	0.31	0.0	1	RW-, ZR-		M	M		35	0
10	32	30	31	0.23	0.0	T	TRW-,RW-,ZL-,ZR-		M	M		34	0
11	39	32	36	0.05	0.0	T	RW-, F(AM)		M	M		29	0
12	42	31	37	0.45	0.0	0	RW		M	M		28	0
13	36	30	33	0.01	0.0	0	RW-, F(AM)		M	M		32	0
14	32	25	29	T	T	0	S-, L-		M	M		36	0
15	30	26	28	0.03	0.4	T	SW-		M	M		37	0
16	27	17	22	0.39	4.9	5	ZR, IP, SW		M	M		43	0
17	22	12	17	0.00	0.0	5	F(PM)		M	M		48	0
18	38	18	28	T	T	5	SW-, F(AM)		M	M		37	0
19	32	21	27	0.00	0.0	4	F(AM), F(PM)		M	M		38	0
20	40	24	32	0.00	0.0	3			M	M		33	0
21	40	35	38	0.08	0.0	1	RW-, F(AM)		M	M		27	0
22	49	38	44	T	0.0	T	L-		M	M		21	0
23	52	19	36	0.15	0.0	0	RW		M	M		29	0
24	31	18	25	T	T	0	SW-		M	M		40	0
25	47	18	33	0.00	0.0	0			M	M		32	0
26	47	27	37	0.00	0.0	0			M	M		28	0
27	35	32	34	0.15	0.0	0	RW-,L-,F(AM)		M	M		31	0
28	40	31	36	0.05	0.0	0	RW-		M	M		29	0
29	31	25	28	0.17	0.0	0	RW		M	M		37	0
30	37	26	32	0.00	0.0	0			M	M		33	0
31	37	22	30	T	T	T	SW-		M	M		35	0
AVG/TOT	**36.7**	**24.1**	**30.4**	**2.95**	**7.8**							**1064**	**0**
DEP.	-0.1	+1.9	+0.9	+0.19	+1.7		W					-34	0

NUMBER OF DAYS and DEPARTURE

	MAX TEMP >=90	MAX TEMP <=32	MIN TEMP <=32	MIN TEMP <=0	PRECIPITATION >T	PRECIPITATION >=.01	PRECIPITATION >=.10	PRECIPITATION >=.50	PRECIPITATION >=1.00	SNOW >=1.0
TOTAL	0	14	29	0	23	18	9	0	0	2
DEP	0	+4	+3	-2		+7	+3	-2	-1	0

	WEATHER TYPES R	L	S	Z	IP	A	T	F	D	H	BS
TOTAL	13	3	10	5	1	0	2	8	0	0	0
DEP	+5	0	+1	+2		0	+1	+2			

SEASONAL DEGREE DAYS HEATING	COOLING
1989	1369
-251	+383

PRECIPITATION JAN-December
33.94
-7.11

Averages based on 1971-2000 data.   Temp midnight-midnight, Precip and Snow at 8 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
Moderate
+ Heavy

Precip amount "T" =Trace

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.

WIND: DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.

Champaign-Urbana Weather Highlights – December 2007

ILLINOIS STATE WATER SURVEY
Jim Angel, State Climatologist
2204 Griffith Drive
Champaign, IL 61820
jimangel@uiuc.edu

Temperatures ranged from 61°F on December 2 to 9 °F on December 6. The mean monthly high, low, and daily average temperatures were all close to the 1971-2000 average.

Precipitation total for December was 2.95 inches, 0.19 inches above normal. December snowfall was 7.8 inches, 1.7 inches above normal, but a long ways from the record of 19.1 inches set in 1983. Even so, it was more than last December when we received only 0.6 inches.

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/2007/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/ .

JRA

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:30 a.m. For this and other climate data, visit the State Climatologist web site at **http://www.sws.uiuc.edu/atmos/statecli/**