

Champaign-Urbana Weather Highlights – January 2008

ILLINOIS STATE WATER SURVEY

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

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Precipitation total for January was 2.31 inches, 0.42 inches above normal. January snowfall was only 1.3 inches, 7.3 inches below normal. This is the 12th lowest snowfall reported for January since snowfall records began in 1903. The records for January range from 0.0 in 1944 to 28.3 inches in 1979.

Additional Information

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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

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Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

January 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 | 24 | 5 | 15 | 0.05 | T | T | RW-,SW-,BS | | M | M | | 50 | 0 |
| 2 | 14 | 1 | 8 | T | 0.3 | T | SW- | | M | M | | 57 | 0 |
| 3 | 26 | 1 | 14 | T | T | T | SW- | | M | M | | 51 | 0 |
| 4 | 40 | 22 | 31 | 0.00 | 0.0 | T | | | M | M | | 34 | 0 |
| 5 | 45 | 35 | 40 | 0.12 | 0.0 | 0 | RW- | | M | M | | 25 | 0 |
| 6 | 61 | 43 | 52 | T | 0.0 | 0 | RW- | | M | M | | 13 | 0 |
| 7 | 67 | 56 | 62 | 0.00 | 0.0 | 0 | | | M | M | | 3 | 0 |
| 8 | 58 | 36 | 47 | 1.40 | 0.0 | 0 | TRW+ | | M | M | | 18 | 0 |
| 9 | 42 | 29 | 36 | 0.06 | 0.0 | 0 | RW- | | M | M | | 29 | 0 |
| 10 | 44 | 30 | 37 | 0.00 | 0.0 | 0 | | | M | M | | 28 | 0 |
| 11 | 36 | 26 | 31 | 0.27 | 0.0 | 0 | RW | | M | M | | 34 | 0 |
| 12 | 46 | 26 | 36 | T | T | 0 | SW- | | M | M | | 29 | 0 |
| 13 | 33 | 25 | 29 | 0.00 | 0.0 | 0 | | | M | M | | 36 | 0 |
| 14 | 25 | 14 | 20 | T | T | 0 | SW- | | M | M | | 45 | 0 |
| 15 | 27 | 11 | 19 | T | T | 0 | SW- | | M | M | | 46 | 0 |
| 16 | 38 | 18 | 28 | 0.00 | 0.0 | 0 | | | M | M | | 37 | 0 |
| 17 | 33 | 17 | 25 | 0.01 | 0.2 | T | SW- | | M | M | | 40 | 0 |
| 18 | 34 | 11 | 23 | 0.02 | T | 0 | SW-, IP- | | M | M | | 42 | 0 |
| 19 | 12 | 1 | 7 | T | T | T | SW- | | M | M | | 58 | 0 |
| 20 | 17 | -2 | 8 | 0.00 | 0.0 | 0 | | | M | M | | 57 | 0 |
| 21 | 34 | 8 | 21 | 0.00 | 0.0 | 0 | | | M | M | | 44 | 0 |
| 22 | 33 | 10 | 22 | 0.03 | 0.5 | T | SW- | | M | M | | 43 | 0 |
| 23 | 31 | 7 | 19 | T | T | T | SW- | | M | M | | 46 | 0 |
| 24 | 11 | -3 | 4 | 0.01 | 0.2 | T | SW- | | M | M | | 61 | 0 |
| 25 | 24 | -4 | 10 | 0.00 | 0.0 | T | | | M | M | | 55 | 0 |
| 26 | 40 | 21 | 31 | T | T | T | SW- | | M | M | | 34 | 0 |
| 27 | 50 | 14 | 32 | 0.00 | 0.0 | T | | | M | M | | 33 | 0 |
| 28 | 44 | 27 | 36 | 0.00 | 0.0 | 0 | | | M | M | | 29 | 0 |
| 29 | 53 | 6 | 30 | T | 0.0 | 0 | RW-, F(AM) | | M | M | | 35 | 0 |
| 30 | 20 | 4 | 12 | 0.34 | 0.1 | T | TRW,IP,ZR,L,SW- | | M | M | | 53 | 0 |
| 31 | 24 | 17 | 21 | 0.00 | 0.0 | T | | | M | M | | 44 | 0 |
| AVG/TOT | 35.0 | 16.5 | 25.8 | 2.31 | 1.3 | | | | | | | 1209 | 0 |
| DEP. | +3.0 | -0.2 | +1.4 | +0.42 | -7.3 | | | | W | | | -50 | 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 | 12 | 27 | 3 | 20 | 10 | 4 | 1 | 1 | 0 |
| DEP | 0 | -4 | -2 | -1 | 0 | -1 | 0 | 0 | +1 | -3 |

| | WEATHER TYPES | | | | | | | | | | SEASONAL DEGREE DAYS | | PRECIPITATION | |
|-------|---------------|----|----|----|----|----|----|---|---|---|----------------------|---------|---------------|-------------|
| | R | L | S | Z | IP | A | T | F | D | H | BS | HEATING | COOLING | JAN-January |
| TOTAL | 8 | 1 | 14 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 1 | 3198 | 0 | 2.31 |
| DEP | +3 | -2 | +4 | -1 | 0 | +1 | -3 | | | | | -301 | 0 | +0.42 |

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 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.

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

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