

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

December 2003

| DATE | TEMPERATURE | | | PRECIP (in) | SNOW (in) | | WEATHER TYPES | WIND | | | | SKY COVER | DEGREE DAYS | |
|----------------|-------------|-------------|-------------|--------------|-------------|-------|----------------|-----------|-------------|-----------|----------|-----------|-------------|----------|
| | Max | Min | Mean | | Amnt | Depth | | Dir | Speed (mph) | Peak Gust | Gust Dir | | Heat | Cool |
| 1 | 45 | 30 | 38 | 0.00 | 0.0 | 0 | | NW | 8.2 | 26.0 | W | CLR | 27 | 0 |
| 2 | 36 | 29 | 33 | 0.00 | 0.0 | 0 | | E | 2.6 | 10.0 | N | PC | 32 | 0 |
| 3 | 43 | 32 | 38 | 0.01 | T | 0 | RW-,SW- | E | 4.0 | 18.0 | SE | CLDY | 27 | 0 |
| 4 | 37 | 34 | 36 | 0.13 | 0.0 | 0 | RW-,L- | E | 2.3 | 9.8 | E | CLDY | 29 | 0 |
| 5 | 37 | 32 | 35 | 0.18 | 1.7 | 2 | R-,S- | N | 7.2 | 22.7 | N | CLDY | 30 | 0 |
| 6 | 43 | 29 | 36 | 0.00 | 0.0 | 0 | | N | 4.5 | 13.5 | N | PC | 29 | 0 |
| 7 | 43 | 27 | 35 | 0.00 | 0.0 | 0 | F | SE | 4.3 | 13.8 | S | PC | 30 | 0 |
| 8 | 45 | 34 | 40 | 0.00 | 0.0 | 0 | | S | 6.3 | 16.9 | S | CLDY | 25 | 0 |
| 9 | 51 | 43 | 47 | 0.04 | 0.0 | 0 | RW-,L-,F | SE | 4.1 | 14.5 | SE | CLDY | 18 | 0 |
| 10 | 51 | 29 | 40 | 0.19 | T | 0 | R-,RW-,SW-,IP- | NW | 9.8 | 23.9 | W | CLDY | 25 | 0 |
| 11 | 30 | 17 | 24 | 0.00 | 0.0 | T | | NW | 7.4 | 20.9 | NW | CLR | 41 | 0 |
| 12 | 28 | 13 | 21 | 0.00 | 0.0 | 0 | | NE | 3.2 | 11.3 | NW | CLR | 44 | 0 |
| 13 | 31 | 18 | 25 | 0.02 | 0.3 | 0 | S- | E | 3.0 | 12.8 | E | CLDY | 40 | 0 |
| 14 | 29 | 24 | 27 | 0.03 | 0.4 | 1 | S- | SW | 4.5 | 13.7 | S | CLDY | 38 | 0 |
| 15 | 39 | 26 | 33 | 0.00 | 0.0 | T | F | SE | 10.0 | 21.4 | SE | PC | 32 | 0 |
| 16 | 44 | 25 | 35 | T | T | 0 | L-,SW- | W | 12.9 | 28.5 | W | CLDY | 30 | 0 |
| 17 | 33 | 20 | 27 | T | T | 0 | S-,SW- | W | 7.6 | 21.2 | W | PC | 38 | 0 |
| 18 | 32 | 26 | 29 | 0.15 | 2.2 | 1 | S- | NW | 5.2 | 17.3 | NW | CLDY | 36 | 0 |
| 19 | 31 | 15 | 23 | 0.05 | 1.0 | 2 | S-,SW- | NW | 7.1 | 22.1 | N | CLDY | 42 | 0 |
| 20 | 24 | 10 | 17 | 0.00 | 0.0 | 3 | | S | 4.1 | 12.0 | S | CLR | 48 | 0 |
| 21 | 46 | 22 | 34 | 0.00 | 0.0 | 2 | | S | 11.1 | 21.9 | SW | CLR | 31 | 0 |
| 22 | 53 | 38 | 46 | 0.73 | 0.0 | 0 | R,R- | SW | 6.2 | 16.6 | SW | CLDY | 19 | 0 |
| 23 | 38 | 29 | 34 | 0.48 | T | 0 | R,R-,S-,SW- | NW | 6.1 | 16.5 | NW | CLDY | 31 | 0 |
| 24 | 29 | 20 | 25 | T | T | T | SW- | NW | 5.2 | 14.4 | W | CLDY | 40 | 0 |
| 25 | 38 | 17 | 28 | 0.00 | 0.0 | 0 | | W | 4.0 | 15.0 | W | CLR | 37 | 0 |
| 26 | 41 | 22 | 32 | 0.00 | 0.0 | 0 | | SE | 3.7 | 10.5 | S | CLR | 33 | 0 |
| 27 | 49 | 28 | 39 | 0.00 | 0.0 | 0 | | SE | 6.5 | 16.7 | SE | PC | 26 | 0 |
| 28 | 50 | 41 | 46 | 0.78 | 0.0 | 0 | RW+,R- | S | 9.5 | 20.9 | S | CLDY | 19 | 0 |
| 29 | 45 | 30 | 38 | 0.32 | 0.0 | 0 | R- | W | 7.5 | 22.6 | W | CLDY | 27 | 0 |
| 30 | 46 | 25 | 36 | 0.00 | 0.0 | 0 | | S | 8.2 | 17.9 | S | CLR | 29 | 0 |
| 31 | 49 | 30 | 40 | 0.00 | 0.0 | 0 | | SW | 6.1 | 18.2 | W | CLR | 25 | 0 |
| AVG/TOT | 39.9 | 26.3 | 33.1 | 3.11 | 5.6 | | | NW | 6.2 | | | | 978 | 0 |
| DEP. | +3.1 | +4.1 | +3.6 | +0.35 | -0.5 | | | W | -1.1 | | | | -120 | 0 |

NUMBER OF DAYS and DEPARTURE

| | MAX TEMP | | | | MIN TEMP | | | | PRECIPITATION | | | | | SNOW | SKY COVER | | |
|-------|----------|------|------|-----|----------|-------|-------|-------|---------------|-------|-----|----|------|------|-----------|--|--|
| | >=90 | <=32 | <=32 | <=0 | >T | >=.01 | >=.10 | >=.50 | >=1.00 | >=1.0 | CLR | PC | CLDY | | | | |
| TOTAL | 0 | 8 | 26 | 0 | 16 | 13 | 8 | 2 | 0 | 3 | 9 | 6 | 16 | | | | |
| DEP | 0 | -2 | 0 | -2 | +2 | +2 | 0 | -1 | | +1 | +2 | -1 | -1 | | | | |

| | WEATHER TYPES | | | | | | | | | | | SEASONAL DEGREE DAYS | | PRECIPITATION |
|-------|---------------|---|----|----|----|----|----|---|---|---|----|----------------------|---------|---------------|
| | R | L | S | Z | IP | A | T | F | D | H | BS | HEATING | COOLING | JAN-December |
| TOTAL | 9 | 3 | 11 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 2002 | 866 | 39.98 |
| DFF | +1 | 0 | +2 | -3 | 0 | -1 | -3 | | | | | -238 | -120 | -1.07 |

Averages based on 1971-2000 data. The daily sky condition is determined by the prevailing sky condition of three observations made between 7am and 7pm LST. Snow depth at 7am LST. All other data midnight-midnight. M = Missing

WEATHER TYPES:

R = Rain
L = Drizzle
S = Snow
T = Thunder
Z = Freezing rain/drizzle
IP = Ice pellets (sleet)
A = Hail
F = Fog
D = Dust
H = Haze
BS = Blowing snow
RW = Rainshower
SW = Snowshower

PRECIP INTENSITY

- Light
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.

Champaign-Urbana Weather Highlights – December 2003

ILLINOIS STATE WATER SURVEY

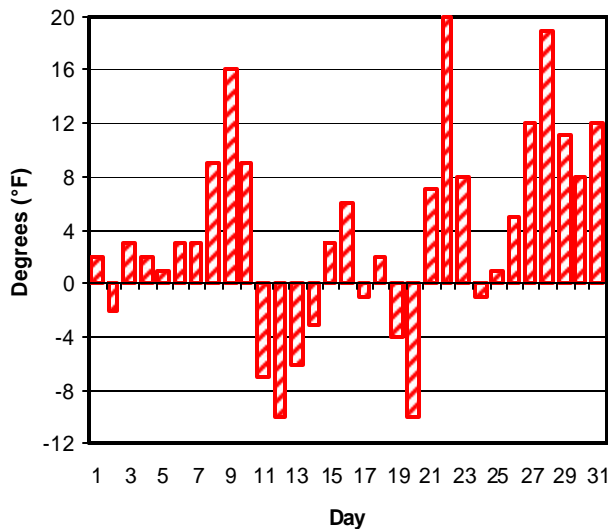
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December ended 2003 on a warm note, with the mean monthly temperature almost four degrees above average. This ranks December 2003 as tied with 1912 and 1970 for the 29th warmest December since 1888. No temperature records were tied or set during the month despite some daily mean temperatures around 20 degrees above average.

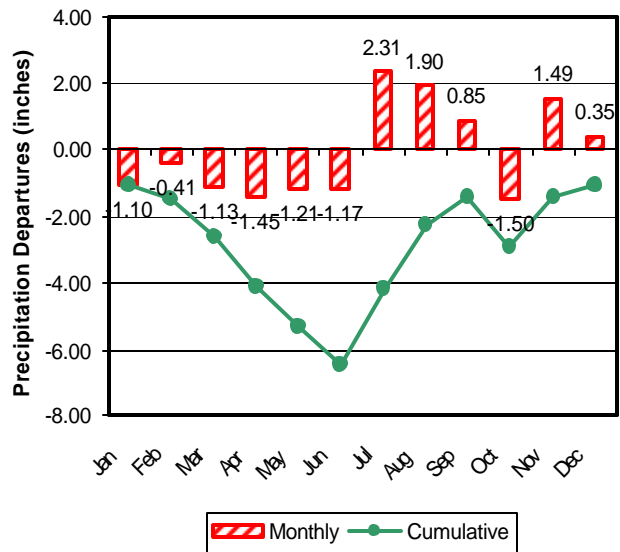
December 2003 had above average precipitation, but because of the warm weather, it had below average snowfall. Its precipitation total of 3.11 inches places December 2003 as the 24th wettest December on record. The snowfall total of 5.6 inches makes it the 30th snowiest December since snowfall records began in 1904. No new precipitation or snowfall records were set during the month.

For all those dreaming of a white Christmas, Christmas 2003 was a bit of a disappointment. Even with close to average temperatures on Christmas Eve and Christmas Day, there was no snowfall or snow on the ground to aid Santa and his sleigh. During the past 99 years, there have been 33 white Christmases. The most recent one was in 2002 when the area was hit with 7.5 inches of snow on Christmas Eve and Christmas Day. The whitest Christmas occurred in 1983 when there were 9 inches of snow covering the ground. In fact, December 1983 was a good month if you prefer North Pole-like weather. It was the coldest December on record with a mean temperature of 16.3° Fahrenheit and the snowiest December on record with 19.1 inches of snow for the month.

December 2003 Mean Daily Temperature Departure from Normal



2003 Monthly Precipitation Departures from Normal



MCP

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 8:00 a.m. For this and other climate data, visit the State Climatologist web site at <http://www.sws.uiuc.edu/atmos/statecli/>