

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

February 2005

| 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 | 33 | 18 | 26 | 0.00 | 0.0 | 2 | | NE | 4.0 | 10.3 | NE | 39 | 0 |
| 2 | 33 | 17 | 25 | 0.00 | 0.0 | 2 | F | NE | 4.1 | 10.2 | NE | 40 | 0 |
| 3 | 42 | 21 | 32 | 0.00 | 0.0 | | T | NW | 3.7 | 11.2 | SW | 33 | 0 |
| 4 | 48 | 24 | 36 | 0.00 | 0.0 | | T F+ | SW | 3.4 | 12.0 | SW | 29 | 0 |
| 5 | 53 | 29 | 41 | 0.00 | 0.0 | | T R- | SE | 4.4 | 16.4 | S | 24 | 0 |
| 6 | 48 | 34 | 41 | 0.00 | 0.0 | 0 | R | SE | 5.1 | 13.8 | S | 24 | 0 |
| 7 | 47 | 37 | 42 | 0.31 | 0.0 | 0 | R,F+ | S | 6.1 | 17.5 | S | 23 | 0 |
| 8 | 37 | 30 | 34 | 0.22 | 0.0 | 0 | R,S | N | 6.3 | 14.6 | N | 31 | 0 |
| 9 | 30 | 27 | 29 | 0.06 | 0.9 | 1 | S | NW | 5.0 | 12.8 | NE | 36 | 0 |
| 10 | 27 | 21 | 24 | 0.01 | 0.4 | 1 | S- | NW | 6.8 | 16.6 | W | 41 | 0 |
| 11 | 42 | 20 | 31 | | | | | W | 7.3 | 18.6 | W | 34 | 0 |
| 12 | 51 | 29 | 40 | 0.00 | 0.0 | | T | SW | 4.1 | 12.5 | SW | 25 | 0 |
| 13 | 53 | 38 | 46 | 0.07 | 0.0 | 0 | R | SE | 8.9 | 20.4 | SW | 19 | 0 |
| 14 | 51 | 37 | 44 | 0.88 | 0.0 | 0 | R | W | 10.6 | 28.4 | W | 21 | 0 |
| 15 | 65 | 34 | 50 | | 0.0 | 0 | R, TRW | N | 7.7 | 24.2 | NE | 15 | 0 |
| 16 | 39 | 28 | 34 | 0.21 | 0.0 | 0 | R-, S- | NW | 7.0 | 22.1 | W | 31 | 0 |
| 17 | 32 | 23 | 28 | | | 0 | S- | NW | 7.2 | 24.5 | NW | 37 | 0 |
| 18 | 31 | 17 | 24 | | | | T S- | N | 4.5 | 14.2 | N | 41 | 0 |
| 19 | 36 | 18 | 27 | 0.00 | 0.0 | 0 | S-, Z-, IP | SE | 5.1 | 14.8 | SW | 38 | 0 |
| 20 | 50 | 32 | 41 | 0.09 | 0.1 | | T Z-, L | SE | 7.9 | 19.5 | S | 24 | 0 |
| 21 | 40 | 34 | 37 | 0.08 | 0.0 | 0 | | NW | 4.3 | 12.9 | N | 28 | 0 |
| 22 | 37 | 29 | 33 | | 0.0 | 0 | R- | NW | 4.9 | 15.6 | W | 32 | 0 |
| 23 | 39 | 23 | 31 | 0.00 | 0.0 | 0 | | NE | 2.7 | 10.6 | NE | 34 | 0 |
| 24 | 39 | 30 | 35 | 0.00 | 0.0 | 0 | | NE | 3.1 | 10.6 | NW | 30 | 0 |
| 25 | 49 | 32 | 41 | 0.00 | 0.0 | 0 | | SW | 5.4 | 17.3 | W | 24 | 0 |
| 26 | 46 | 29 | 38 | 0.00 | 0.0 | 0 | | N | 6.1 | 18.8 | NE | 27 | 0 |
| 27 | 44 | 28 | 36 | 0.00 | 0.0 | 0 | | SE | 2.5 | 11.6 | SE | 29 | 0 |
| 28 | 38 | 24 | 31 | 0.07 | 0.7 | 1 | R-, S- | NW | 9.0 | 24.4 | W | 34 | 0 |
| AVG/TOT | 42.1 | 27.3 | 34.7 | 2.00 | 2.1 | | | NW | 5.6 | | | 843 | 0 |
| DEP. | +4.5 | +5.6 | +5.0 | -0.01 | -3.4 | | | NW | -1.9 | | | -144 | 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 | 4 | 22 | 0 | 15 | 10 | 4 | 1 | 0 | 0 |
| DEP | 0 | -6 | -1 | -2 | +1 | -1 | 0 | 0 | 0 | -2 |

| | WEATHER TYPES | | | | | | | | | | | SEASONAL DEGREE DAYS | | PRECIPITATION |
|-------|---------------|----|----|---|----|---|----|---|---|---|----|----------------------|---------|---------------|
| | R | L | S | Z | IP | A | T | F | D | H | BS | HEATING | COOLING | JAN-February |
| TOTAL | 6 | 5 | 8 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 3957 | 0 | 8.20 |
| DEP | +1 | +2 | -1 | 0 | 0 | 0 | -1 | | | | | -529 | 0 | +4.30 |

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.

Champaign-Urbana Weather Highlights – February 2005

ILLINOIS STATE WATER SURVEY

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Temperature – ranged from 17 degrees on both February 2 and 18 to 65 degrees on February 15. While the high, low, and mean temperatures for the month were above normal, none of them were in the top-ten list. The monthly high temperature was the 22nd warmest; the monthly low temperature was 17th warmest; and the monthly mean temperature was the 17th warmest since 1889.

Precipitation – no daily records were set this month. The snowfall for the month was much below normal and was the 18th least snowiest February on record.

Winter Statistics – for the period of December 2004 through February 2005:

- Average high temperature: 38.9 degrees (22nd warmest since 1889)
- Average low temperature: 24.1 degrees (14th warmest since 1889)
- Average mean temperature: 31.5 degrees (15th warmest since 1889)
- Total precipitation: 10.22 inches (6th wettest since 1889)
- Total snowfall: 11.9 inches (36th driest since 1903)

Additional Information

Additional information for February 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. These data are usually posted a few days after the end of the month at:

<http://www.sws.uiuc.edu/warm/data/2005/February/Champaign.txt>

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