

Local Climatological Data
Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

August 2007

| 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 | Corn |
| 1 | 90 | 68 | 79 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 14 | 27 |
| 2 | 90 | 66 | 78 | 0.00 | 0.0 | 0 | H | | M | M | | 0 | 13 | 26 |
| 3 | 90 | 71 | 81 | 0.00 | 0.0 | 0 | H | | M | M | | 0 | 16 | 29 |
| 4 | 85 | 70 | 78 | 0.20 | 0.0 | 0 | TRW | | M | M | | 0 | 13 | 28 |
| 5 | 90 | 71 | 81 | 0.00 | 0.0 | 0 | H | | M | M | | 0 | 16 | 29 |
| 6 | 89 | 75 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 31 |
| 7 | 94 | 75 | 85 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 20 | 31 |
| 8 | 91 | 73 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 30 |
| 9 | 91 | 73 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 30 |
| 10 | 90 | 70 | 80 | 0.00 | 0.0 | 0 | F(AM) | | M | M | | 0 | 15 | 28 |
| 11 | 91 | 66 | 79 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 14 | 26 |
| 12 | 97 | 68 | 83 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 18 | 27 |
| 13 | 91 | 67 | 79 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 14 | 27 |
| 14 | 89 | 63 | 76 | 0.15 | 0.0 | 0 | TRW | | M | M | | 0 | 11 | 25 |
| 15 | 88 | 70 | 79 | 0.16 | 0.0 | 0 | TRW | | M | M | | 0 | 14 | 28 |
| 16 | 83 | 70 | 77 | T | 0.0 | 0 | RW- | | M | M | | 0 | 12 | 27 |
| 17 | 85 | 64 | 75 | 0.10 | 0.0 | 0 | TRW, H | | M | M | | 0 | 10 | 25 |
| 18 | 79 | 59 | 69 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 4 | 19 |
| 19 | 88 | 65 | 77 | 0.05 | 0.0 | 0 | RW- | | M | M | | 0 | 12 | 26 |
| 20 | 84 | 72 | 78 | 0.18 | 0.0 | 0 | RW | | M | M | | 0 | 13 | 28 |
| 21 | 89 | 72 | 81 | 0.42 | 0.0 | 0 | TRW, RW- | | M | M | | 0 | 16 | 29 |
| 22 | 93 | 71 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 29 |
| 23 | 95 | 68 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 27 |
| 24 | 94 | 69 | 82 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 17 | 28 |
| 25 | 82 | 67 | 75 | 0.22 | 0.0 | 0 | TRW, L | | M | M | | 0 | 10 | 25 |
| 26 | 82 | 61 | 72 | T | 0.0 | 0 | L | | M | M | | 0 | 7 | 22 |
| 27 | 89 | 59 | 74 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 9 | 23 |
| 28 | 95 | 63 | 79 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 14 | 25 |
| 29 | 96 | 66 | 81 | 0.00 | 0.0 | 0 | H | | M | M | | 0 | 16 | 26 |
| 30 | 82 | 61 | 72 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 7 | 22 |
| 31 | 82 | 58 | 70 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 5 | 20 |
| AVG/TOT | 88.8 | 67.5 | 78.2 | 1.48 | 0.0 | 0.0 | | | | | | 0 | 415 | 823 |
| DEP. | +5.6 | +4.8 | +5.2 | -2.89 | 0.0 | | | | NE | | | -1 | +160 | +132 |

NUMBER OF DAYS and DEPARTURE

| | MAX TEMP | | | | MIN TEMP | | | | | PRECIPITATION | | | | | SNOW |
|-------|----------|------|------|-----|----------|-------|-------|-------|--------|---------------|--|--|--|--|------|
| | >=90 | <=32 | <=32 | <=0 | >T | >=.01 | >=.10 | >=.50 | >=1.00 | >=1.0 | | | | | |
| TOTAL | 16 | 0 | 0 | 0 | 10 | 8 | 7 | 0 | 0 | 0 | | | | | |
| DEP | +11 | 0 | 0 | 0 | -1 | 0 | -3 | -1 | 0 | | | | | | |

| | WEATHER TYPES | | | | | | | | | | SEASONAL DEGREE DAYS | | | PRECIPITATION | |
|-------|---------------|----|---|---|----|---|---|----|---|---|----------------------|---------|---------|---------------|------------|
| | R | L | S | Z | IP | A | T | F | D | H | BS | HEATING | COOLING | CORN | JAN-August |
| TOTAL | 9 | 2 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 5 | 0 | 0 | 1093 | 3230 | 21.99 |
| DEP | -2 | +1 | 0 | 0 | | | 0 | -5 | | | | -1 | +232 | +425 | -6.82 |

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 8 am LST

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
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 – August 2007

ILLINOIS STATE WATER SURVEY

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Temperatures ranged from 56 °F on August 31 and 97 °F on August 12. The monthly average mean daily temperature was 78.2 °F, 5.2 °F above normal and the 6th warmest since records began in 1889. The monthly average high temperature was 88.8 °F, 5.6 °F above normal and the 6th warmest on record. The monthly average low temperature was 67.5 °F, 4.8 °F and 6th warmest on record. There were 16 days at or above 90°F reported in August.

Precipitation total for August was 1.48”, 2.89” below normal and the 14th driest August on record.

Summer precipitation was 10.60”, 2.65” below normal. Summer average mean daily temperature was 75.1 °F, 1.6 °F above normal.

Additional Information

Additional information for August 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/August/Champaign.txt>

For detailed rainfall reports, check out the new volunteer raingage network in Illinois called CoCoRaHS (Community Collaborative Rain, Hail and Snow Network 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/>