



Champaign-Urbana Weather Highlights – September 2009

Jim Angel, State Climatologist

Temperatures for September were slightly above normal. The average high temperature of 76.4°F was 1.2°F below normal. Meanwhile, the average low temperature of 57.0°F was 2.4°F above normal. As a result, the average mean temperature of 66.7°F was 0.6°F above normal.

Precipitation for September was 0.80 inches, 2.42 inches below normal. While this was the 12th driest September on record, it was far from the record of 0.06 inches set in September 1891.

Additional Information

Additional information for September can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site at <http://www.sws.uiuc.edu/warm/data/2009/September/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/>.

For more information on the climate of Illinois, visit the web site at <http://www.isws.illinois.edu/atmos/statecli/>.

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Local Climatological Data

Champaign-Urbana, IL - 118740

Illinois State Water Survey
Water Survey Research Center

September 2009

| 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 | 73 | 50 | 62 | 0.00 | 0.0 | 0 | | | M | M | | 3 | 0 | 12 |
| 2 | 76 | 52 | 64 | 0.00 | 0.0 | 0 | | | M | M | | 1 | 0 | 14 |
| 3 | 81 | 57 | 69 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 4 | 19 |
| 4 | 80 | 59 | 70 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 5 | 20 |
| 5 | 75 | 59 | 67 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 2 | 17 |
| 6 | 78 | 63 | 71 | 0.05 | 0.0 | 0 | RW-,F(PM) | | M | M | | 0 | 6 | 21 |
| 7 | 79 | 60 | 70 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 5 | 20 |
| 8 | 79 | 59 | 69 | 0.00 | 0.0 | 0 | F(AM) | | M | M | | 0 | 4 | 19 |
| 9 | 77 | 62 | 70 | 0.00 | 0.0 | 0 | F(AM) | | M | M | | 0 | 5 | 20 |
| 10 | 82 | 61 | 72 | 0.00 | 0.0 | 0 | F(AM) | | M | M | | 0 | 7 | 22 |
| 11 | 81 | 61 | 71 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 6 | 21 |
| 12 | 80 | 57 | 69 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 4 | 19 |
| 13 | 79 | 56 | 68 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 3 | 18 |
| 14 | 82 | 55 | 69 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 4 | 19 |
| 15 | 83 | 59 | 71 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 6 | 21 |
| 16 | 81 | 58 | 70 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 5 | 20 |
| 17 | 77 | 52 | 65 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 0 | 15 |
| 18 | 79 | 51 | 65 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 0 | 15 |
| 19 | 80 | 57 | 69 | 0.00 | 0.0 | 0 | | | M | M | | 0 | 4 | 19 |
| 20 | 71 | 57 | 64 | 0.00 | 0.0 | 0 | | | M | M | | 1 | 0 | 14 |
| 21 | 80 | 62 | 71 | 0.16 | 0.0 | 0 | | | M | M | | 0 | 6 | 21 |
| 22 | 78 | 65 | 72 | 0.01 | 0.0 | 0 | mist, F(AM) | | M | M | | 0 | 7 | 22 |
| 23 | 80 | 63 | 72 | 0.40 | 0.0 | 0 | RW-,RW+,F(AM) | | M | M | | 0 | 7 | 22 |
| 24 | 69 | 64 | 67 | 0.04 | 0.0 | 0 | RW-,F(AM) | | M | M | | 0 | 2 | 17 |
| 25 | 65 | 59 | 62 | 0.07 | 0.0 | 0 | RW- | | M | M | | 3 | 0 | 12 |
| 26 | 75 | 56 | 66 | 0.07 | 0.0 | 0 | RW-,F(AM) | | M | M | | 0 | 1 | 16 |
| 27 | 77 | 50 | 64 | T | 0.0 | 0 | RW-,F(AM) | | M | M | | 1 | 0 | 14 |
| 28 | 66 | 51 | 59 | 0.00 | 0.0 | 0 | | | M | M | | 6 | 0 | 9 |
| 29 | 64 | 49 | 57 | 0.00 | 0.0 | 0 | | | M | M | | 8 | 0 | 7 |
| 30 | 65 | 47 | 56 | 0.00 | 0.0 | 0 | | | M | M | | 9 | 0 | 8 |
| AVG/TOT | 76.4 | 57.0 | 66.7 | 0.80 | 0.0 | | | | | | | 32 | 93 | 513 |
| DEP. | -1.2 | +2.4 | +0.6 | -2.42 | 0.0 | | | | SW | | | -52 | -23 | +12 |

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 | 0 | 0 | 0 | 8 | 7 | 2 | 0 | 0 | 0 |
| DEP | -2 | 0 | 0 | 0 | -1 | -3 | -2 | -1 | | 0 |

| | WEATHER TYPES | | | | | | | | | | SEASONAL DEGREE DAYS | | | PRECIPITATION | |
|-------|---------------|----|---|---|----|---|----|----|---|---|----------------------|---------|---------|---------------|---------------|
| | R | L | S | Z | IP | A | T | F | D | H | BS | HEATING | COOLING | CORN | JAN-September |
| TOTAL | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 46 | 837 | 3300 | 34.76 |
| DEP | -4 | -3 | 0 | 0 | | | -4 | +3 | | | | -39 | -140 | -6 | +2.73 |

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.