



AUGUST 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

LA CROSSE, WI

MUNICIPAL AIRPORT (LSE)

Lat: 43° 45' N Long: 91° 15' W Elev (Ground): 655 Feet

Time Zone: CENTRAL WBAN: 14920 ISSN #:0198-571X

| DATE | TEMPERATURE °F | | | | | | DEG DAYS BASE 65° | | WEATHER | SNOW/ICE ON GND (IN) | | PRECIPITATION (INCHES) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | DATE | | | |
|--------------------------------|----------------|---------|---------|--------------------|-------------------|---------------------|----------------------|---------|-----------------------|--|-----------------------------------|---------------------------|-------------|-------------------------------------|-------------------------|---|---------|-------------------------------|---------|-----|-------|-------------------------------|-------|------|--|--|--|
| | MAXIMUM | MINIMUM | AVERAGE | DEP FROM NORMAL | AVERAGE DEW PT | AVERAGE WET BULB | HEATING | COOLING | | 0600 LST | 1200 LST | 2400 LST | 2400 LST | AVERAGE STATION | AVERAGE SEA LEVEL | RESULTANT SPEED | RES DIR | AVERAGE SPEED | MAXIMUM | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 5-SEC | | 2-MIN | | | | | | |
| | | | | | | | | | | | | | | | | | | | SPEED | DIR | SPEED | DIR | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 01 | 86 | 61 | 74 | 0 | 68 | 71 | 0 | 9 | RA | 0 | | 0.0 | T | 29.16 | 29.82 | 5.4 | 26 | 13.8 | 28 | 20 | 22 | 20 | 01 | | | | |
| 02 | 79 | 55 | 67 | -7 | 57 | 61 | 0 | 2 | | 0 | | 0.0 | 0.00 | 29.44 | 30.12 | 3.3 | 36 | 5.3 | 14 | 34 | 12 | 34 | 02 | | | | |
| 03 | 86 | 57 | 72 | -2 | 66 | 68 | 0 | 7 | TSRA RA BR VCTS | 0 | | 0.0 | 0.83 | 29.39 | 30.08 | 6.8 | 17 | 8.8 | 36 | 31 | 29 | 31 | 03 | | | | |
| 04 | 83 | 69 | 76 | 2 | 71 | 73 | 0 | 11 | RA BR VCTS | 0 | | 0.0 | 0.20 | 29.39 | 30.06 | 3.3 | 20 | 4.4 | 17 | 20 | 15 | 20 | 04 | | | | |
| 05 | 82 | 65 | 74 | 0 | 67 | 70 | 0 | 9 | BR | 0 | | 0.0 | 0.00 | 29.46 | 30.14 | 3.1 | 06 | 4.0 | 16 | 04 | 14 | 02 | 05 | | | | |
| 06 | 75 | 57 | 66 | -8 | 55 | 60 | 0 | 1 | | 0 | | 0.0 | 0.00 | 29.59 | 30.28 | 6.5 | 11 | 7.3 | 22 | 10 | 16 | 10 | 06 | | | | |
| 07 | 78 | 55 | 67 | -7 | 58 | 62 | 0 | 2 | | 0 | | 0.0 | 0.00 | 29.58 | 30.27 | 2.5 | 14 | 4.3 | 14 | 19 | 12 | 12 | 07 | | | | |
| 08 | 82 | 60 | 71 | -3 | 62 | 65 | 0 | 6 | | 0 | | 0.0 | 0.00 | 29.54 | 30.23 | 4.3 | 17 | 6.2 | 16 | 20 | 13 | 18 | 08 | | | | |
| 09 | 83 | 61 | 72 | -2 | 64 | 67 | 0 | 7 | BR | 0 | | 0.0 | 0.00 | 29.43 | 30.11 | 6.3 | 17 | 7.4 | 17 | 20 | 14 | 20 | 09 | | | | |
| 10 | 86 | 63 | 75 | 2 | 63 | 67 | 0 | 10 | | 0 | | 0.0 | 0.00 | 29.26 | 29.93 | 6.6 | 21 | 8.7 | 20 | 25 | 16 | 26 | 10 | | | | |
| 11 | 92* | 65 | 79* | 6 | 68 | 71 | 0 | 14 | TS RA | 0 | | 0.0 | T | 29.21 | 29.88 | 9.0 | 19 | 10.1 | 30 | 21 | 28 | 20 | 11 | | | | |
| 12 | 82 | 65 | 74 | 2 | 67 | 70 | 0 | 9 | RA BR VCTS | 0 | | 0.0 | 0.19 | 29.17 | 29.84 | 3.4 | 24 | 7.1 | 18 | 31 | 16 | 30 | 12 | | | | |
| 13 | 68 | 60 | 64 | -8 | 61 | 62 | 1 | 0 | RA BR VCTS | 0 | | 0.0 | 0.30 | 29.18 | 29.87 | 3.5 | 34 | 4.6 | 17 | 35 | 15 | 34 | 13 | | | | |
| 14 | 80 | 58 | 69 | -3 | 59 | 63 | 0 | 4 | | 0 | | 0.0 | 0.00 | 29.11 | 29.79 | 11.4 | 20 | 11.7 | 29 | 20 | 23 | 20 | 14 | | | | |
| 15 | 82 | 65 | 74 | 2 | 62 | 66 | 0 | 9 | RA | 0 | | 0.0 | T | 29.09 | 29.77 | 9.6 | 22 | 12.3 | 26 | 19 | 23 | 19 | 15 | | | | |
| 16 | 83 | 59 | 71 | -1 | 60 | 65 | 0 | 6 | RA | 0 | | 0.0 | T | 29.25 | 29.93 | 7.4 | 18 | 8.7 | 28 | 16 | 21 | 16 | 16 | | | | |
| 17 | 76 | 55 | 66 | -6 | 58 | 62 | 0 | 1 | TSRA RA BR VCTS | 0 | | 0.0 | 0.32 | 29.12 | 29.80 | 7.8 | 29 | 13.0 | 40* | 16 | 29* | 17 | 17 | | | | |
| 18 | 76 | 50 | 63* | -9 | 52 | 57 | 2 | 0 | TS TSRA RA VCTS | 0 | | 0.0 | 0.03 | 29.25 | 29.94 | 1.6 | 21 | 4.7 | 16 | 30 | 12 | 19 | 18 | | | | |
| 19 | 76 | 53 | 65 | -6 | 55 | 59 | 0 | 0 | RA | 0 | | 0.0 | T | 29.31 | 30.00 | 4.5 | 34 | 6.3 | 20 | 32 | 16 | 31 | 19 | | | | |
| 20 | 80 | 49* | 65 | -6 | 57 | 61 | 0 | 0 | RA | 0 | | 0.0 | 0.02 | 29.37 | 30.06 | 5.8 | 16 | 7.6 | 21 | 17 | 17 | 16 | 20 | | | | |
| 21 | 82 | 66 | 74 | 4 | 69 | 70 | 0 | 9 | TS TSRA RA BR HZ VCTS | 0 | | 0.0 | 0.68 | 29.20 | 29.88 | 3.5 | 14 | 6.8 | 21 | 20 | 17 | 18 | 21 | | | | |
| 22 | 78 | 68 | 73 | 3 | 68 | 69 | 0 | 8 | BR | 0 | | 0.0 | 0.00 | 29.31 | 29.99 | 3.8 | 06 | 5.7 | 15 | 09 | 12 | 09 | 22 | | | | |
| 23 | 73 | 67 | 70 | 0 | 68 | 68 | 0 | 5 | RA BR | 0 | | 0.0 | 0.13 | 29.27 | 29.95 | 2.2 | 05 | 4.6 | 14 | 08 | 9 | 11 | 23 | | | | |
| 24 | 83 | 65 | 74 | 4 | 67 | 69 | 0 | 9 | BR | 0 | | 0.0 | 0.00 | 29.29 | 29.97 | 3.6 | 34 | 4.3 | 14 | 33 | 12 | 32 | 24 | | | | |
| 25 | 84 | 63 | 74 | 5 | 64 | 67 | 0 | 9 | FG+ BR | 0 | | 0.0 | 0.00 | 29.32 | 30.00 | 0.7 | 36 | 2.4 | 9 | 32 | 8 | 31 | 25 | | | | |
| 26 | 84 | 59 | 72 | 3 | 64 | 67 | 0 | 7 | FG+ BR | 0 | | 0.0 | 0.00 | 29.35 | 30.04 | 0.6 | 01 | 3.3 | 12 | 30 | 9 | 30 | 26 | | | | |
| 27 | 84 | 63 | 74 | 5 | 65 | 68 | 0 | 9 | | 0 | | 0.0 | 0.00 | 29.48 | 30.16 | 3.1 | 11 | 4.5 | 18 | 10 | 14 | 12 | 27 | | | | |
| 28 | 80 | 64 | 72 | 3 | 66 | 67 | 0 | 7 | BR | 0 | | 0.0 | 0.00 | 29.53 | 30.21 | 3.9 | 15 | 5.1 | 14 | 15 | 10 | 21 | 28 | | | | |
| 29 | 82 | 60 | 71 | 3 | 62 | 65 | 0 | 6 | FG+ BR | 0 | | 0.0 | 0.00 | 29.48 | 30.16 | 3.8 | 17 | 5.9 | 15 | 22 | 14 | 24 | 29 | | | | |
| 30 | 83 | 57 | 70 | 2 | 62 | 65 | 0 | 5 | BR | 0 | | 0.0 | 0.00 | 29.53 | 30.22 | 4.7 | 16 | 6.4 | 17 | 20 | 14 | 20 | 30 | | | | |
| 31 | 85 | 66 | 76 | 8 | 63 | 67 | 0 | 11 | BR HZ | 0 | | 0.0 | 0.00 | 29.52 | 30.21 | 7.1 | 17 | 7.9 | 21 | 20 | 17 | 21 | 31 | | | | |
| 81.1 60.6 70.9 ■■ | | | | | | | | | | | < MONTHLY AVERAGES TOTALS-> | | 0.0 2.70 | 29.34 30.02 | 1.5 18 6.9 | <- MONTHLY AVERAGES | | | | | | | | | | | |
| -1.4 -.1 -.7 ■■ | | | | | | | | | | | <-----DEPARTURE FROM NORMAL-----> | | | | | | | | | | | | -1.58 | | | | |
| DEGREE DAYS | | | | | | | | | | GREATEST 24-HR PRECIPITATION: 1.03 DATE :03-04 | | | | GREATEST 24-HR SNOWFALL: 0.0 DATE : | | | | GREATEST SNOW DEPTH: 0 DATE : | | | | SEA LEVEL PRESSURE DATE TIME | | | | | |
| MONTHLY TOTAL DEPARTURE | | | | | | | | | | MAXIMUM | | | | MINIMUM | | | | : 30.35 06 0753 | | | | : 29.63 17 0153 | | | | | |
| SEASON TO DATE TOTAL DEPARTURE | | | | | | | | | | NUMBER OF DAYS WITH ➡ | | | | MAXIMUM TEMP ≥ 90: 1 | | | | MINIMUM TEMP ≤ 32: 0 | | | | PRECIPITATION ≥ 0.01 INCH : 9 | | | | | |
| HEATING: 3 -14 | | | | | | | | | | MAXIMUM TEMP ≤ 32 : 0 | | | | MINIMUM TEMP ≤ 0 : 0 | | | | PRECIPITATION ≥ 0.10 INCH : 7 | | | | SNOWFALL ≥ 1.0 INCH : 0 | | | | | |
| COOLING: 192 -16 | | | | | | | | | | THUNDERSTORMS : 5 | | | | HEAVY FOG : 3 | | | | | | | | | | | | | |

AUGUST 2002
LA CROSSE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

AUGUST 2002

LSE

WBAN # 14920

| DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | Sum if Different (See Note) | 2400 LST |
|------|--------------------------|------|------|------|------|------|------|------|---|----|------|------|------|--------------------------|----|------|------|------|------|----|------|------|------|------|------|------|-----------------------------------|-----------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | Water Equiv. |
| 01 | | | | | | | | T | | | | | 01 | | | | | | | | | | | | 01 | | | T |
| 02 | | | | | | | | | | | | | 02 | | | | | | | | | | | | 02 | | | 0.00 |
| 03 | | | | | | | | | | | | | 03 | | | | | | | | | | 0.30 | 0.53 | 03 | | | 0.83 |
| 04 | 0.14 | 0.02 | 0.04 | | | | | | | T | | | 04 | | | | | | | | | | | | 04 | | | 0.20 |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | | 0.00 |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | | | 0.00 |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | | 07 | | | 0.00 |
| 08 | | | | | | | | | | | | | 08 | | | | | | | | | | | | 08 | | | 0.00 |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | | | 0.00 |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | 10 | | | 0.00 |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | | | T |
| 12 | | | | | 0.01 | 0.02 | T | 0.01 | T | | | 0.02 | 12 | | | | 0.01 | T | T | T | | T | | 0.01 | 0.14 | 12 | | 0.19 |
| 13 | 0.15 | 0.01 | 0.01 | 0.04 | 0.02 | T | 0.02 | 0.02 | T | | | | 13 | T | T | | 0.01 | T | T | T | | | | | 13 | | 0.30 | |
| 14 | | | | | | | | | | | | | 14 | | T | | | | | | | | | | 14 | | 0.00 | |
| 15 | | | | | | | | | | | | | 15 | | T | | | | | | | | | | 15 | | T | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | T | T | T | | 16 | | T | |
| 17 | | | 0.02 | 0.09 | 0.17 | 0.04 | T | | | | | | 17 | | | | | | | | | | | T | 17 | | 0.32 | |
| 18 | | | | | | | | | | | | | 18 | | | | | | | | | | | 0.02 | 0.01 | 18 | | 0.03 |
| 19 | T | T | T | | | | | | | | | | 19 | | | | | | | | | T | T | T | 19 | | T | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | 0.01 | 0.07 | 0.02 | 0.26 | 20 | | 0.02 | |
| 21 | | | | | | | | | | | 0.07 | | 21 | T | | 0.14 | T | 0.06 | 0.05 | T | | | | 21 | | | 0.68 | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | | 0.00 | |
| 23 | | | | 0.01 | 0.03 | T | | | | | 0.09 | T | 23 | | | | | | | | | | | | 23 | | 0.13 | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | | 0.00 | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | | 0.00 | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | | 0.00 | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | | 0.00 | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | | 0.00 | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | | 0.00 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | | 0.00 | |
| 31 | | | | | | | | | | | | | 31 | | | | | | | | | | | | 31 | | 0.00 | |

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | .24 | .39 | .48 | .56 | .69 | .77 | .79 | .82 | .87 | .94 | .98 | .98 |
| Ending Date | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 04 | 04 | 04 | 04 |
| Ending Time (Hour/Min) | 2256 | 2258 | 2301 | 2306 | 2315 | 2321 | 2337 | 2356 | 0016 | 0035 | 0105 | 0105 |

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

* = Extreme for the month (last occurrence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

WEATHER NOTATIONS

LA CROSSE, WI
AUGUST 2002

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

| DATE | SUNSHINE | | CLOUDINESS (OKTAS) | | | | VISIBILITY (MILES) | | RESERVED |
|--------------|------------------|---------------------|-----------------------|-----------|------------|-----------|-----------------------|---------|----------|
| | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS | | MN-MN | | MINIMUM | MAXIMUM | |
| | | | CEILOMETER | SATELLITE | CEILOMETER | SATELLITE | | | |
| 01 | | | | | | | 10.00 | 10.00 | |
| 02 | | | | | | | 10.00 | 10.00 | |
| 03 | | | | | | | 1.75 | 10.00 | |
| 04 | | | | | | | 4.00 | 10.00 | |
| 05 | | | | | | | 2.50 | 10.00 | |
| 06 | | | | | | | 10.00 | 10.00 | |
| 07 | | | | | | | 10.00 | 10.00 | |
| 08 | | | | | | | 10.00 | 10.00 | |
| 09 | | | | | | | 6.00 | 10.00 | |
| 10 | | | | | | | 8.00 | 10.00 | |
| 11 | | | | | | | 10.00 | 10.00 | |
| 12 | | | | | | | 5.00 | 10.00 | |
| 13 | | | | | | | 4.00 | 10.00 | |
| 14 | | | | | | | 8.00 | 10.00 | |
| 15 | | | | | | | 10.00 | 10.00 | |
| 16 | | | | | | | 7.00 | 10.00 | |
| 17 | | | | | | | 5.00 | 10.00 | |
| 18 | | | | | | | 9.00 | 10.00 | |
| 19 | | | | | | | 10.00 | 10.00 | |
| 20 | | | | | | | 9.00 | 10.00 | |
| 21 | | | | | | | 1.00 | 10.00 | |
| 22 | | | | | | | 6.00 | 10.00 | |
| 23 | | | | | | | 2.00 | 10.00 | |
| 24 | | | | | | | 1.00 | 10.00 | |
| 25 | | | | | | | <.25 | 10.00 | |
| 26 | | | | | | | .25 | 10.00 | |
| 27 | | | | | | | 8.00 | 10.00 | |
| 28 | | | | | | | 2.50 | 10.00 | |
| 29 | | | | | | | .25 | 10.00 | |
| 30 | | | | | | | .75 | 10.00 | |
| 31 | | | | | | | 6.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 6.22 | 10.00 | |

SUNSHINE (MINUTES)

Total:

Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

31

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

3 7 16

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

AUGUST 2002

LSE

WBAN # 14920

| HOUR (LST) | | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | |
|------------|-----|-----|--|------------------------|------------------------------------|---------|--------------------|--------------|-----------|----------|-------------------------|-------------|--------------------------|-----------------------|-----------|------------|-----|--|---------------|------------------------|------------------------------------|---------|--------------------|----------|-----------|----------|-------------------------|-------------|--------------------------|-----------------------|-----------|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT <small>Okta</small> | | VISIBILITY (MILES) | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | OBSERVATION TIME (LST) | EFF CLD AMT <small>Okta</small> | | VISIBILITY (MILES) | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | SUNRISE: 0453 | | | AUG 01 | SUNSET: 1930 | | | | | | | | | | | SUNRISE: 0500 | | | AUG 07 | SUNSET: 1922 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 78 | 73 | 75 | 85 | 12 | 18 | 29.08 | 29.74 | 03 | CLR | NC | | | | 10.00 | 58 | 54 | 56 | 87 | 7 | 13 | 29.59 | 30.28 | | |
| 06 | CLR | NC | | | | 10.00 | 78 | 73 | 75 | 85 | 20 | 20 | 29.06 | 29.72 | 06 | CLR | NC | | | | 10.00 | 55 | 54 | 54 | 96 | 6 | 11 | 29.62 | 30.32 | | |
| 09 | CLR | NC | | | | 10.00 | 81 | 74 | 76 | 79 | 18 | 19 | 29.04 | 29.70 | 09 | CLR | NC | | | | 10.00 | 67 | 58 | 62 | 73 | 3 | VR | 29.63 | 30.32 | | |
| 12 | BKN | 046 | | | | 10.00 | 85 | 74 | 77 | 70 | 14 | 28 | 29.10 | 29.76 | 12 | CLR | NC | | | | 10.00 | 73 | 58 | 64 | 59 | 5 | 22 | 29.60 | 30.29 | | |
| 15 | CLR | NC | | | | 10.00 | 85 | 66 | 72 | 53 | 16 | 32 | 29.17 | 29.83 | 15 | CLR | NC | | | | 10.00 | 78 | 58 | 66 | 50 | 0 | 00 | 29.54 | 30.23 | | |
| 18 | CLR | NC | | | | 10.00 | 79 | 59 | 67 | 50 | 18 | 33 | 29.22 | 29.89 | 18 | CLR | NC | | | | 10.00 | 76 | 59 | 65 | 56 | 5 | 13 | 29.53 | 30.22 | | |
| 21 | CLR | NC | | | | 10.00 | 66 | 57 | 61 | 73 | 8 | 35 | 29.32 | 29.99 | 21 | CLR | NC | | | | 10.00 | 67 | 63 | 64 | 87 | 5 | 13 | 29.54 | 30.24 | | |
| 24 | CLR | NC | | | | 10.00 | 62 | 56 | 59 | 81 | 7 | 36 | 29.35 | 30.03 | 24 | CLR | NC | | | | 10.00 | 63 | 61 | 62 | 93 | 5 | 14 | 29.55 | 30.24 | | |
| | | | | SUNRISE: 0455 | | | AUG 02 | SUNSET: 1928 | | | | | | | | | | | SUNRISE: 0501 | | | AUG 08 | SUNSET: 1921 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 58 | 55 | 56 | 90 | 5 | 36 | 29.39 | 30.08 | 03 | CLR | NC | | | | 10.00 | 61 | 60 | 60 | 97 | 5 | 12 | 29.56 | 30.24 | | |
| 06 | CLR | NC | | | | 10.00 | 61 | 57 | 59 | 87 | 0 | 00 | 29.45 | 30.14 | 06 | CLR | NC | | | | 10.00 | 62 | 59 | 60 | 90 | 6 | 13 | 29.59 | 30.28 | | |
| 09 | CLR | NC | | | | 10.00 | 69 | 57 | 62 | 66 | 5 | VR | 29.49 | 30.18 | 09 | CLR | NC | | | | 10.00 | 70 | 60 | 64 | 71 | 3 | VR | 29.61 | 30.30 | | |
| 12 | CLR | NC | | | | 10.00 | 74 | 54 | 62 | 50 | 7 | 30 | 29.46 | 30.15 | 12 | CLR | NC | | | | 10.00 | 79 | 61 | 68 | 54 | 10 | 21 | 29.56 | 30.25 | | |
| 15 | CLR | NC | | | | 10.00 | 78 | 55 | 64 | 45 | 9 | 34 | 29.43 | 30.11 | 15 | CLR | NC | | | | 10.00 | 81 | 62 | 69 | 53 | 10 | 17 | 29.52 | 30.21 | | |
| 18 | CLR | NC | | | | 10.00 | 77 | 58 | 65 | 52 | 5 | 32 | 29.40 | 30.09 | 18 | CLR | NC | | | | 10.00 | 79 | 62 | 68 | 56 | 8 | 22 | 29.49 | 30.17 | | |
| 21 | CLR | NC | | | | 10.00 | 65 | 60 | 62 | 84 | 6 | 11 | 29.42 | 30.11 | 21 | CLR | NC | | | | 10.00 | 70 | 66 | 67 | 87 | 5 | 12 | 29.50 | 30.18 | | |
| 24 | CLR | NC | | | | 10.00 | 61 | 60 | 60 | 97 | 3 | 12 | 29.45 | 30.14 | 24 | CLR | NC | | | | 10.00 | 66 | 64 | 65 | 93 | 6 | 12 | 29.47 | 30.15 | | |
| | | | | SUNRISE: 0456 | | | AUG 03 | SUNSET: 1927 | | | | | | | | | | | SUNRISE: 0502 | | | AUG 09 | SUNSET: 1919 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 59 | 58 | 58 | 96 | 6 | 12 | 29.43 | 30.12 | 03 | CLR | NC | | | | 10.00 | 64 | 63 | 63 | 96 | 3 | 12 | 29.47 | 30.16 | | |
| 06 | CLR | NC | | | | 10.00 | 58 | 58 | 58 | 100 | 6 | 12 | 29.45 | 30.14 | 06 | CLR | NC | | | | 6.00 | BR | 63 | 63 | 63 | 100 | 5 | 12 | 29.51 | 30.20 | |
| 09 | CLR | NC | | | | 10.00 | 72 | 63 | 66 | 73 | 13 | 17 | 29.45 | 30.14 | 09 | CLR | NC | | | | 10.00 | 74 | 65 | 68 | 74 | 9 | 19 | 29.49 | 30.17 | | |
| 12 | CLR | NC | | | | 10.00 | 81 | 68 | 72 | 65 | 13 | 18 | 29.41 | 30.10 | 12 | CLR | NC | | | | 10.00 | 79 | 65 | 70 | 62 | 10 | 19 | 29.44 | 30.13 | | |
| 15 | CLR | NC | | | | 10.00 | 86 | 70 | 75 | 59 | 12 | 21 | 29.37 | 30.06 | 15 | CLR | NC | | | | 10.00 | 82 | 65 | 71 | 56 | 10 | 19 | 29.40 | 30.08 | | |
| 18 | FEW | NC | | | | 10.00 | 83 | 71 | 75 | 67 | 8 | 14 | 29.30 | 29.98 | 18 | CLR | NC | | | | 10.00 | 80 | 64 | 70 | 58 | 10 | 17 | 29.36 | 30.04 | | |
| 21 | CLR | NC | | | | 10.00 | 80 | 72 | 74 | 76 | 10 | 18 | 29.32 | 30.00 | 21 | CLR | NC | | | | 10.00 | 70 | 65 | 67 | 84 | 3 | 13 | 29.35 | 30.03 | | |
| 24 | OVC | 041 | | | | 8.00 | 70 | 70 | 70 | 100 | 0 | 00 | 29.36 | 30.04 | 24 | CLR | NC | | | | 8.00 | 66 | 64 | 65 | 93 | 7 | 15 | 29.34 | 30.02 | | |
| | | | | SUNRISE: 0457 | | | AUG 04 | SUNSET: 1926 | | | | | | | | | | | SUNRISE: 0503 | | | AUG 10 | SUNSET: 1918 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 70 | 69 | 69 | 97 | 8 | 17 | 29.33 | 30.01 | 03 | CLR | NC | | | | 8.00 | 65 | 64 | 64 | 97 | 7 | 16 | 29.32 | 29.99 | | |
| 06 | CLR | NC | | | | 10.00 | 70 | 70 | 70 | 100 | 8 | 18 | 29.37 | 30.05 | 06 | CLR | NC | | | | 10.00 | 66 | 62 | 64 | 87 | 5 | 15 | 29.28 | 29.95 | | |
| 09 | OVC | 070 | | | | 10.00 | 73 | 70 | 71 | 90 | 5 | 23 | 29.41 | 30.09 | 09 | CLR | NC | | | | 10.00 | 73 | 64 | 67 | 74 | 8 | 18 | 29.26 | 29.93 | | |
| 12 | OVC | 024 | | | | 10.00 | 80 | 71 | 74 | 74 | 3 | 17 | 29.38 | 30.06 | 12 | CLR | NC | | | | 10.00 | 85 | 65 | 72 | 51 | 10 | 28 | 29.25 | 29.92 | | |
| 15 | OVC | 043 | | | | 10.00 | 81 | 71 | 74 | 72 | 5 | 24 | 29.39 | 30.07 | 15 | FEW | NC | | | | 10.00 | 85 | 62 | 70 | 46 | 10 | 24 | 29.23 | 29.91 | | |
| 18 | FEW | NC | | | | 10.00 | 81 | 72 | 75 | 74 | 0 | 00 | 29.39 | 30.07 | 18 | CLR | NC | | | | 10.00 | 82 | 61 | 69 | 49 | 10 | 23 | 29.22 | 29.89 | | |
| 21 | CLR | NC | | | | 10.00 | 75 | 74 | 74 | 96 | 0 | 00 | 29.40 | 30.09 | 21 | CLR | NC | | | | 10.00 | 72 | 63 | 66 | 73 | 8 | 21 | 29.24 | 29.91 | | |
| 24 | FEW | NC | | | | 10.00 | 73 | 72 | 72 | 96 | 0 | 00 | 29.42 | 30.10 | 24 | CLR | NC | | | | 10.00 | 71 | 64 | 67 | 79 | 8 | 18 | 29.25 | 29.92 | | |
| | | | | SUNRISE: 0458 | | | AUG 05 | SUNSET: 1925 | | | | | | | | | | | SUNRISE: 0504 | | | AUG 11 | SUNSET: 1916 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 71 | 71 | 71 | 100 | 6 | 36 | 29.41 | 30.09 | 03 | CLR | NC | | | | 10.00 | 69 | 64 | 66 | 84 | 9 | 19 | 29.24 | 29.91 | | |
| 06 | OVC | 048 | | | | 10.00 | 72 | 68 | 69 | 87 | 3 | 07 | 29.44 | 30.12 | 06 | CLR | NC | | | | 10.00 | 68 | 63 | 65 | 84 | 10 | 18 | 29.26 | 29.93 | | |
| 09 | OVC | 050 | | | | 10.00 | 73 | 67 | 69 | 81 | 0 | 00 | 29.47 | 30.15 | 09 | CLR | NC | | | | 10.00 | 78 | 68 | 71 | 71 | 8 | 18 | 29.25 | 29.92 | | |
| 12 | CLR | NC | | | | 10.00 | 79 | 70 | 73 | 74 | 8 | 06 | 29.44 | 30.12 | 12 | CLR | NC | | | | 10.00 | 89 | 71 | 76 | 55 | 13 | 22 | 29.24 | 29.90 | | |
| 15 | OVC | 035 | | | | 10.00 | 79 | 70 | 73 | 74 | 3 | 01 | 29.45 | 30.13 | 15 | CLR | NC | | | | 10.00 | 92 | 70 | 77 | 49 | 15 | 21 | 29.20 | 29.86 | | |
| 18 | CLR | NC | | | | 10.00 | 79 | 65 | 70 | 62 | 9 | 06 | 29.46 | 30.14 | 18 | CLR | NC | | | | 10.00 | 87 | 72 | 76 | 61 | 8 | 19 | 29.16 | 29.82 | | |
| 21 | CLR | NC | | | | 10.00 | 72 | 62 | 66 | 71 | 0 | 00 | 29.52 | 30.20 | 21 | FEW | NC | | | | 10.00 | 74 | 69 | 71 | 85 | 6 | 14 | 29.19 | 29.86 | | |
| 24 | CLR | NC | | | | 10.00 | 65 | 63 | 64 | 93 | 6 | 14 | 29.55 | 30.24 | 24 | CLR | NC | | | | 10.00 | 73 | 67 | 69 | 81 | 10 | 16 | 29.18 | 29.84 | | |
| | | | | SUNRISE: 0459 | | | AUG 06 | SUNSET: 1923 | | | | | | | | | | | SUNRISE: 0506 | | | AUG 12 | SUNSET: 1915 | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | 61 | 50 | 55 | 67 | 12 | 10 | 29.59 | 30.28 | 03 | BKN | 080 | | | | 10.00 | 71 | 66 | 68 | 84 | 6 | 12 | 29.14 | 29.80 | | |
| 06 | CLR | NC | | | | 10.00 | 58 | 48 | 53 | 70 | 3 | VR | 29.63 | 30.32 | 06 | SCT | NC | | | | 6.00 | BR | 70 | 69 | 69 | 97 | 8 | 17 | 29.17 | 29.84 | |
| 09 | CLR | NC | | | | 10.00 | 64 | 53 | 58 | 68 | 9 | 11 | 29.65 | 30.34 | 09 | CLR | NC | | | | 10.00 | 72 | 68 | 69 | 87 | 0 | 00 | 29.13 | 29.80 | | |
| 12 | FEW | NC | | | | 10.00 | 72 | 56 | 62 | 57 | 8 | 13 | 29.61 | 30.30 | | | | | | | | | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

AUGUST 2002

LSE

WBAN # 14920

| HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | | |
|------------|-----------|---------------------|------------------------|-------------------|---------------|--------------------|----------|-----------|-------------------------|----------|-------------|-----------------------|---------|------------|-----------|-----------|---------------------|------------------------|---------------|-------------------|--------------------|----------|-------------------------|-----------|----------|----------------------|-----------------------|---------|-----------|
| | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | | SEA LEVEL | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | | EFF CLD AMT Oktas | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | SUNRISE: 0507 | AUG 13 | | | SUNSET: 1914 | | | | | | | | | | SUNRISE: 0514 | AUG 19 | | | SUNSET: 1904 | | | | | | |
| 03 | OVC | 013 | | | 7.00 | -RA | 64 | 63 | 63 | 96 | 3 | 35 | 29.19 | 29.87 | 03 | FEW | NC | | | 10.00 | -RA | 59 | 58 | 58 | 96 | 3 | 02 | 29.22 | 29.91 |
| 06 | OVC | 026 | | | 10.00 | -RA | 60 | 59 | 59 | 96 | 8 | 36 | 29.21 | 29.89 | 06 | CLR | NC | | | 10.00 | | 54 | 54 | 54 | 100 | 0 | 00 | 29.27 | 29.96 |
| 09 | OVC | 016 | | | 10.00 | | 63 | 60 | 61 | 90 | 5 | 34 | 29.21 | 29.89 | 09 | CLR | NC | | | 10.00 | | 67 | 57 | 61 | 71 | 5 | 36 | 29.33 | 30.02 |
| 12 | OVC | 044 | | | 7.00 | -RA | 65 | 61 | 63 | 87 | 0 | 00 | 29.22 | 29.90 | 12 | CLR | NC | | | 10.00 | | 74 | 55 | 63 | 52 | 12 | 30 | 29.32 | 30.01 |
| 15 | BKN | 095 | | | 10.00 | | 67 | 61 | 63 | 81 | 6 | 30 | 29.17 | 29.85 | 15 | CLR | NC | | | 10.00 | | 75 | 52 | 62 | 45 | 14 | 32 | 29.32 | 30.00 |
| 18 | FEW | NC | | | 10.00 | | 67 | 63 | 64 | 87 | 0 | 00 | 29.16 | 29.84 | 18 | CLR | NC | | | 10.00 | | 72 | 51 | 60 | 48 | 9 | 36 | 29.32 | 30.01 |
| 21 | CLR | NC | | | 10.00 | | 63 | 61 | 62 | 93 | 0 | 00 | 29.17 | 29.86 | 21 | CLR | NC | | | 10.00 | -RA | 61 | 54 | 57 | 78 | 5 | 12 | 29.36 | 30.05 |
| 24 | CLR | NC | | | 8.00 | | 61 | 60 | 60 | 97 | 5 | 20 | 29.14 | 29.83 | 24 | CLR | NC | | | 10.00 | | 54 | 53 | 53 | 97 | 5 | 15 | 29.38 | 30.08 |
| | | | | | SUNRISE: 0508 | AUG 14 | | | SUNSET: 1912 | | | | | | | | | | SUNRISE: 0515 | AUG 20 | | | SUNSET: 1903 | | | | | | |
| 03 | CLR | NC | | | 9.00 | | 58 | 58 | 58 | 100 | 8 | 21 | 29.14 | 29.83 | 03 | CLR | NC | | | 10.00 | | 51 | 51 | 51 | 100 | 6 | 12 | 29.39 | 30.09 |
| 06 | BKN | 005 | | | 9.00 | | 59 | 58 | 58 | 96 | 8 | 21 | 29.15 | 29.84 | 06 | SCT | NC | | | 9.00 | | 50 | 50 | 50 | 100 | 5 | 13 | 29.43 | 30.13 |
| 09 | CLR | NC | | | 10.00 | | 68 | 60 | 63 | 76 | 7 | 20 | 29.14 | 29.82 | 09 | CLR | NC | | | 10.00 | | 65 | 57 | 60 | 76 | 5 | 36 | 29.42 | 30.12 |
| 12 | CLR | NC | | | 10.00 | | 77 | 56 | 64 | 48 | 13 | 22 | 29.11 | 29.79 | 12 | CLR | NC | | | 10.00 | | 77 | 58 | 65 | 52 | 8 | 17 | 29.39 | 30.09 |
| 15 | CLR | NC | | | 10.00 | | 80 | 57 | 66 | 45 | 12 | 19 | 29.08 | 29.75 | 15 | FEW | NC | | | 10.00 | | 79 | 60 | 67 | 52 | 14 | 17 | 29.33 | 30.03 |
| 18 | CLR | NC | | | 10.00 | | 77 | 60 | 66 | 56 | 16 | 19 | 29.05 | 29.72 | 18 | OVC | 070 | | | 10.00 | | 76 | 61 | 67 | 60 | 10 | 16 | 29.32 | 30.01 |
| 21 | CLR | NC | | | 10.00 | | 72 | 61 | 65 | 69 | 14 | 19 | 29.07 | 29.74 | 21 | BKN | 095 | | | 10.00 | | 73 | 60 | 65 | 64 | 9 | 15 | 29.32 | 30.01 |
| 24 | CLR | NC | | | 10.00 | | 70 | 60 | 64 | 71 | 14 | 19 | 29.08 | 29.75 | 24 | OVC | 090 | | | 10.00 | | 68 | 61 | 64 | 78 | 6 | 11 | 29.32 | 29.99 |
| | | | | | SUNRISE: 0509 | AUG 15 | | | SUNSET: 1911 | | | | | | | | | | SUNRISE: 0516 | AUG 21 | | | SUNSET: 1901 | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 67 | 59 | 62 | 76 | 9 | 19 | 29.07 | 29.74 | 03 | OVC | 023 | | | 10.00 | TS | 68 | 62 | 64 | 81 | 12 | 16 | 29.27 | 29.95 |
| 06 | CLR | NC | | | 10.00 | | 66 | 58 | 61 | 75 | 10 | 19 | 29.10 | 29.77 | 06 | BKN | 017 | | | 10.00 | | 70 | 66 | 67 | 87 | 13 | 19 | 29.24 | 29.91 |
| 09 | CLR | NC | | | 10.00 | | 73 | 60 | 65 | 64 | 15 | 19 | 29.06 | 29.73 | 09 | OVC | 011 | | | 7.00 | | 70 | 67 | 68 | 90 | 7 | 09 | 29.24 | 29.91 |
| 12 | BKN | 046 | | | 10.00 | | 80 | 63 | 69 | 56 | 15 | 22 | 29.05 | 29.72 | 12 | FEW | NC | | | 5.00 | BR | 72 | 70 | 71 | 94 | 7 | 11 | 29.21 | 29.89 |
| 15 | CLR | NC | | | 10.00 | | 81 | 67 | 72 | 62 | 16 | 23 | 29.06 | 29.73 | 15 | SCT | NC | | | 4.00 | -RA BR | 79 | 77 | 78 | 94 | 3 | 15 | 29.12 | 29.79 |
| 18 | FEW | NC | | | 10.00 | | 78 | 65 | 70 | 64 | 9 | 26 | 29.10 | 29.77 | 18 | OVC | 006 | | | 4.00 | -RA BR | 73 | 73 | 73 | 100 | 7 | 33 | 29.13 | 29.80 |
| 21 | CLR | NC | | | 10.00 | | 71 | 62 | 65 | 73 | 8 | 28 | 29.17 | 29.84 | 21 | OVC | 032 | | | 10.00 | | 71 | 71 | 71 | 100 | 0 | 00 | 29.18 | 29.86 |
| 24 | CLR | NC | | | 10.00 | | 67 | 59 | 62 | 76 | 9 | 29 | 29.21 | 29.88 | 24 | OVC | 011 | | | 8.00 | | 71 | 70 | 70 | 96 | 6 | 34 | 29.19 | 29.87 |
| | | | | | SUNRISE: 0510 | AUG 16 | | | SUNSET: 1909 | | | | | | | | | | SUNRISE: 0517 | AUG 22 | | | SUNSET: 1860 | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 61 | 59 | 60 | 93 | 6 | 17 | 29.26 | 29.94 | 03 | OVC | 006 | | | 6.00 | BR | 68 | 68 | 68 | 100 | 3 | 06 | 29.21 | 29.88 |
| 06 | CLR | NC | | | 7.00 | | 60 | 59 | 59 | 96 | 6 | 19 | 29.32 | 30.00 | 06 | OVC | 010 | | | 9.00 | | 68 | 68 | 68 | 100 | 5 | 01 | 29.26 | 29.94 |
| 09 | CLR | NC | | | 10.00 | | 71 | 60 | 64 | 68 | 6 | VR | 29.33 | 30.02 | 09 | OVC | 012 | | | 10.00 | | 70 | 67 | 68 | 90 | 6 | 01 | 29.32 | 30.01 |
| 12 | CLR | NC | | | 10.00 | | 81 | 60 | 68 | 49 | 10 | 19 | 29.32 | 30.00 | 12 | OVC | 014 | | | 10.00 | | 73 | 68 | 70 | 84 | 7 | 10 | 29.35 | 30.03 |
| 15 | CLR | NC | | | 10.00 | | 81 | 58 | 67 | 46 | 14 | 21 | 29.31 | 29.98 | 15 | BKN | 023 | | | 10.00 | | 77 | 68 | 71 | 74 | 12 | 10 | 29.32 | 30.00 |
| 18 | CLR | NC | | | 10.00 | | 76 | 60 | 66 | 58 | 13 | 17 | 29.22 | 29.90 | 18 | OVC | 032 | | | 10.00 | | 73 | 68 | 70 | 84 | 6 | VR | 29.33 | 30.02 |
| 21 | SCT | NC | | | 10.00 | -RA | 72 | 62 | 66 | 71 | 8 | 13 | 29.09 | 29.76 | 21 | OVC | 034 | | | 10.00 | | 71 | 68 | 69 | 90 | 5 | 10 | 29.37 | 30.06 |
| 24 | FEW | NC | | | 10.00 | | 71 | 66 | 68 | 84 | 14 | 18 | 29.09 | 29.76 | 24 | OVC | 014 | | | 8.00 | | 69 | 68 | 68 | 96 | 0 | 00 | 29.32 | 30.00 |
| | | | | | SUNRISE: 0511 | AUG 17 | | | SUNSET: 1907 | | | | | | | | | | SUNRISE: 0518 | AUG 23 | | | SUNSET: 1858 | | | | | | |
| 03 | OVC | 029 | | | 9.00 | VCTS -RA | 73 | 70 | 71 | 90 | 6 | 08 | 29.04 | 29.71 | 03 | OVC | 012 | | | 10.00 | | 69 | 67 | 68 | 93 | 7 | 13 | 29.32 | 30.01 |
| 06 | FEW | NC | | | 10.00 | -RA | 72 | 70 | 71 | 94 | 15 | 22 | 29.00 | 29.67 | 06 | OVC | 010 | | | 7.00 | | 68 | 67 | 67 | 96 | 6 | 07 | 29.29 | 29.96 |
| 09 | FEW | NC | | | 10.00 | | 71 | 60 | 64 | 68 | 23 | 30 | 29.04 | 29.72 | 09 | OVC | 008 | | | 6.00 | BR | 68 | 66 | 67 | 93 | 6 | 15 | 29.29 | 29.97 |
| 12 | BKN | 032 | | | 10.00 | | 70 | 57 | 62 | 64 | 17 | 31 | 29.12 | 29.79 | 12 | OVC | 010 | | | 6.00 | BR | 69 | 67 | 68 | 93 | 5 | 15 | 29.30 | 29.98 |
| 15 | FEW | NC | | | 10.00 | | 71 | 53 | 61 | 53 | 15 | 33 | 29.17 | 29.84 | 15 | OVC | 010 | | | 9.00 | | 71 | 68 | 69 | 90 | 3 | 36 | 29.25 | 29.93 |
| 18 | CLR | NC | | | 10.00 | | 69 | 48 | 57 | 47 | 13 | 31 | 29.20 | 29.88 | 18 | BKN | 044 | | | 10.00 | | 72 | 69 | 70 | 91 | 3 | 32 | 29.23 | 29.91 |
| 21 | CLR | NC | | | 10.00 | | 61 | 46 | 53 | 58 | 8 | 30 | 29.23 | 29.92 | 21 | OVC | 034 | | | 7.00 | | 70 | 69 | 69 | 97 | 5 | 35 | 29.24 | 29.92 |
| 24 | CLR | NC | | | 10.00 | | 55 | 47 | 51 | 74 | 8 | 23 | 29.27 | 29.95 | 24 | OVC | 022 | | | 6.00 | BR | 69 | 68 | 68 | 96 | 6 | 36 | 29.28 | 29.96 |
| | | | | | SUNRISE: 0512 | AUG 18 | | | SUNSET: 1906 | | | | | | | | | | SUNRISE: 0519 | AUG 24 | | | SUNSET: 1856 | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 54 | 48 | 51 | 80 | 8 | 21 | 29.28 | 29.97 | 03 | CLR | NC | | | 1.00 | BR | 65 | 65 | 65 | 100 | 0 | 00 | 29.24 | 29.92 |
| 06 | CLR | NC | | | 10.00 | | 51 | 49 | 50 | 92 | 3 | 19 | 29.29 | 29.98 | 06 | BKN | 007 | | | 4.00 | BR | 65 | 65 | 65 | 100 | 0 | 00 | 29.29 | 29.97 |
| 09 | CLR | NC | | | 10.00 | | 62 | 51 | 56 | 67 | 0 | 00 | 29.30 | 29.99 | 09 | FEW</ | | | | | | | | | | | | | |

LA CROSSE, WI

AUGUST 2002

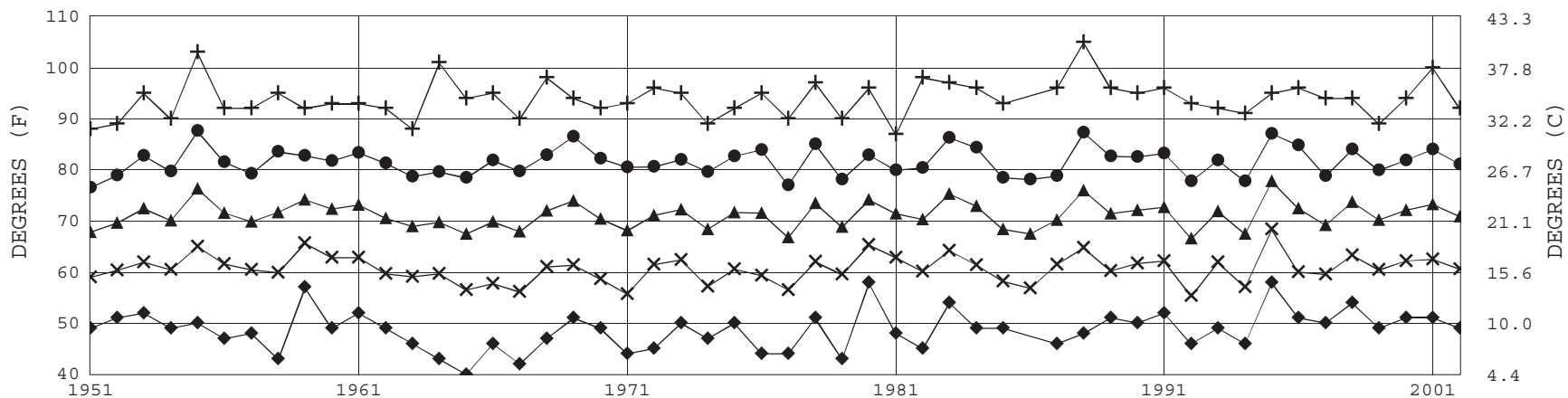
LSE

WBAN # 14920

| HOUR (LST) | SKY COVER | | CEILING 100'S OFFT | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OFFT | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|---------------------------|-----------------------------|---------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------------|-------------------------|-----------------------|------------|-----------------------|-----------------------|-----------------------|---------------------------|-----------------------------|---------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT <i>Oktas</i> | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | OBSERVATION TIME (LST) | EFF CLD AMT <i>Oktas</i> | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | VISIBILITY (MILES) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0520 AUG 25 SUNSET: 1855 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SUNRISE: 0527 AUG 31 SUNSET: 1844 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | | 9.00 | | | 64 | 64 | 64 | 100 | 5 | 01 | 29.31 | 29.99 | 03 | CLR | NC | | | | 8.00 | | | 67 | 63 | 64 | 87 | 3 | 15 | 29.55 | 30.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | VV | 001 | | | | | <.25 | FG | | 64 | 64 | 64 | 100 | 0 | 00 | 29.33 | 30.02 | 06 | CLR | NC | | | | 6.00 | HZ | | 67 | 62 | 64 | 84 | 7 | 14 | 29.58 | 30.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | OVC | 001 | | | | | 2.00 | BR | | 66 | 66 | 66 | 100 | 0 | 00 | 29.35 | 30.04 | 09 | CLR | NC | | | | 8.00 | | | 75 | 64 | 68 | 69 | 9 | 18 | 29.59 | 30.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | | | 10.00 | | | 82 | 61 | 69 | 49 | 5 | VR | 29.34 | 30.02 | 12 | CLR | NC | | | | 10.00 | | | 82 | 63 | 70 | 53 | 12 | 20 | 29.55 | 30.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | | | 10.00 | | | 84 | 60 | 69 | 44 | 3 | VR | 29.31 | 29.98 | 15 | CLR | NC | | | | 10.00 | | | 83 | 62 | 69 | 49 | 13 | 20 | 29.50 | 30.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | | | 10.00 | | | 81 | 64 | 70 | 57 | 0 | 00 | 29.29 | 29.96 | 18 | CLR | NC | | | | 10.00 | | | 80 | 62 | 69 | 54 | 12 | 19 | 29.47 | 30.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | | | 10.00 | | | 68 | 65 | 66 | 90 | 0 | 00 | 29.32 | 30.01 | 21 | CLR | NC | | | | 8.00 | | | 70 | 65 | 67 | 84 | 5 | 12 | 29.46 | 30.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | | | 10.00 | | | 64 | 63 | 63 | 96 | 3 | 12 | 29.32 | 30.01 | 24 | CLR | NC | | | | 6.00 | BR | | 68 | 64 | 66 | 87 | 0 | 00 | 29.45 | 30.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0521 AUG 26 SUNSET: 1853 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3-HOURLY OBSERVATION NOTES Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | | 10.00 | | | 62 | 61 | 61 | 96 | 5 | 12 | 29.34 | 30.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | VV | 001 | | | | | 0.25 | FG | | 60 | 60 | 60 | 100 | 0 | 00 | 29.35 | 30.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | CLR | NC | | | | | 10.00 | | | 70 | 66 | 67 | 87 | 5 | VR | 29.37 | 30.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | | | 10.00 | | | 81 | 64 | 70 | 57 | 6 | 31 | 29.35 | 30.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FEW | NC | | | | | 10.00 | | | 83 | 64 | 71 | 53 | 3 | 01 | 29.33 | 30.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | | | 10.00 | | | 77 | 66 | 70 | 69 | 6 | 32 | 29.33 | 30.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | | | 10.00 | | | 69 | 67 | 68 | 93 | 0 | 00 | 29.36 | 30.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | | | 10.00 | | | 66 | 65 | 65 | 96 | 0 | 00 | 29.40 | 30.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0523 AUG 27 SUNSET: 1851 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | | 10.00 | | | 64 | 63 | 63 | 96 | 7 | 10 | 29.41 | 30.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | FEW | NC | | | | | 10.00 | | | 64 | 63 | 63 | 96 | 3 | 21 | 29.47 | 30.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | FEW | NC | | | | | 10.00 | | | 71 | 65 | 67 | 81 | 0 | 00 | 29.49 | 30.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | BKN | 032 | | | | | 10.00 | | | 80 | 68 | 72 | 67 | 7 | 31 | 29.49 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | SCT | NC | | | | | 10.00 | | | 82 | 65 | 71 | 56 | 5 | VR | 29.48 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | | | 10.00 | | | 78 | 66 | 70 | 67 | 5 | 10 | 29.46 | 30.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | | | 10.00 | | | 72 | 67 | 69 | 84 | 9 | 12 | 29.49 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | BKN | 017 | | | | | 9.00 | | | 69 | 66 | 67 | 90 | 6 | 10 | 29.53 | 30.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0524 AUG 28 SUNSET: 1849 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 015 | | | | | 9.00 | | | 67 | 64 | 65 | 91 | 6 | 11 | 29.55 | 30.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | OVC | 070 | | | | | 5.00 | BR | | 64 | 63 | 63 | 96 | 3 | 13 | 29.57 | 30.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | OVC | 009 | | | | | 7.00 | | | 68 | 64 | 66 | 87 | 7 | 10 | 29.56 | 30.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | FEW | NC | | | | | 10.00 | | | 77 | 68 | 71 | 74 | 8 | 19 | 29.54 | 30.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FEW | NC | | | | | 10.00 | | | 78 | 68 | 71 | 71 | 8 | 20 | 29.51 | 30.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | BKN | 024 | | | | | 10.00 | | | 76 | 68 | 71 | 77 | 7 | 21 | 29.47 | 30.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | | | 10.00 | | | 68 | 66 | 67 | 93 | 5 | 10 | 29.48 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | | | 2.50 | BR | | 64 | 64 | 64 | 100 | 0 | 00 | 29.48 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0525 AUG 29 SUNSET: 1848 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 001 | | | | | 0.75 | BR | | 63 | 63 | 63 | 100 | 5 | 13 | 29.49 | 30.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | FEW | NC | | | | | 5.00 | BR | | 61 | 61 | 61 | 100 | 6 | 12 | 29.50 | 30.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | CLR | NC | | | | | 10.00 | | | 71 | 63 | 66 | 76 | 6 | VR | 29.51 | 30.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | FEW | NC | | | | | 10.00 | | | 79 | 64 | 69 | 60 | 10 | 23 | 29.49 | 30.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | | | 10.00 | | | 81 | 60 | 68 | 49 | 9 | 25 | 29.45 | 30.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | | | 10.00 | | | 78 | 61 | 67 | 56 | 5 | 17 | 29.44 | 30.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | SCT | NC | | | | | 10.00 | | | 67 | 64 | 65 | 91 | 7 | 14 | 29.46 | 30.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | | | 7.00 | | | 62 | 62 | 62 | 100 | 0 | 00 | 29.49 | 30.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0526 AUG 30 SUNSET: 1846 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | FEW | NC | | | | | 2.50 | BR | | 59 | 59 | 59 | 100 | 8 | 12 | 29.51 | 30.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | SCT | NC | | | | | 3.00 | BR | | 57 | 57 | 57 | 100 | 6 | 13 | 29.55 | 30.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | CLR | NC | | | | | 10.00 | | | 67 | 62 | 64 | 84 | 3 | 14 | 29.56 | 30.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | SCT | NC | | | | | 10.00 | | | 78 | 61 | 67 | 56 | 12 | 20 | 29.54 | 30.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | | | 10.00 | | | 82 | 62 | 69 | 51 | 9 | 19 | 29.52 | 30.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | FEW | NC | | | | | 10.00 | | | 78 | 65 | 70 | 64 | 6 | 13 | 29.52 | 30.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | | | 8.00 | | | 70 | 66 | 67 | 87 | 6 | 16 | 29.52 | 30.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | | | 8.00 | | | 68 | 63 | 65 | 84 | 5 | 15 | 29.54 | 30.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| HOUR (LST) | AVERAGES | | | | | | | | | | RESULTANT | |
|------------|------------|-------------|----------|-----------|----------|-------------------|----------------------|-----------|--------------------|------------------|------------|-----------|
| | CEILOMETER | EFF CLD AMT | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY | PRESSURE (INCHES,HG) | | VISIBILITY (MILES) | WIND SPEED (MPH) | WIND (MPH) | |
| | | | | | | | STATION | SEA LEVEL | | | SPEED | DIRECTION |
| 01 | | | 66 | 63 | 64 | 91 | 29.33 | 30.01 | 8.98 | 6 | 3 | 15 |
| 02 | | | 65 | 62 | 63 | 92 | 29.33 | 30.01 | 8.91 | 6 | 4 | 14 |
| 03 | | | 64 | 62 | 63 | 92 | 29.33 | 30.02 | 8.69 | 6 | 4 | 14 |
| 04 | | | 64 | 61 | 62 | 93 | 29.34 | 30.02 | 8.87 | 6 | 3 | 15 |
| 05 | | | 63 | 61 | 62 | 94 | 29.35 | 30.03 | 8.59 | 6 | 3 | 16 |
| 06 | | | 63 | 61 | 62 | 93 | 29.36 | 30.04 | 7.95 | 6 | 4 | 17 |
| 07 | | | 65 | 62 | 63 | 89 | 29.36 | 30.05 | 8.49 | 6 | 3 | 16 |
| 08 | | | 67 | 62 | 64 | 84 | 29.36 | 30.05 | 9.14 | 6 | 3 | 18 |
| 09 | | | 70 | 63 | 66 | 78 | 29.36 | 30.05 | 9.35 | 6 | 2 | 19 |
| 10 | | | 73 | 63 | 67 | 71 | 29.37 | 30.05 | 9.68 | 7 | 3 | 21 |
| 11 | | | 76 | 63 | 68 | 66 | 29.36 | 30.04 | 9.65 | 7 | 3 | 22 |
| 12 | | | 77 | 63 | 68 | 62 | 29.35 | 30.03 | 9.61 | 9 | 4 | 22 |
| 13 | | | 78 | 63 | 69 | 60 | 29.35 | 30.03 | 9.81 | 8 | 3 | 24 |
| 14 | | | 79 | 63 | 69 | 59 | 29.33 | 30.01 | 9.87 | 9 | 3 | 23 |
| 15 | | | 80 | 63 | 69 | 58 | 29.33 | 30.01 | 9.77 | 9 | 4 | 23 |
| 16 | | | 80 | 63 | 69 | 59 | 29.32 | 30.00 | 9.84 | 9 | 3 | 23 |
| 17 | | | 79 | 63 | 69 | 60 | 29.32 | 30.00 | 9.81 | 9 | 2 | 23 |
| 18 | | | 77 | 63 | 68 | 64 | 29.31 | 30.00 | 9.81 | 7 | 2 | 22 |
| 19 | | | 74 | 64 | | | | | | | | |

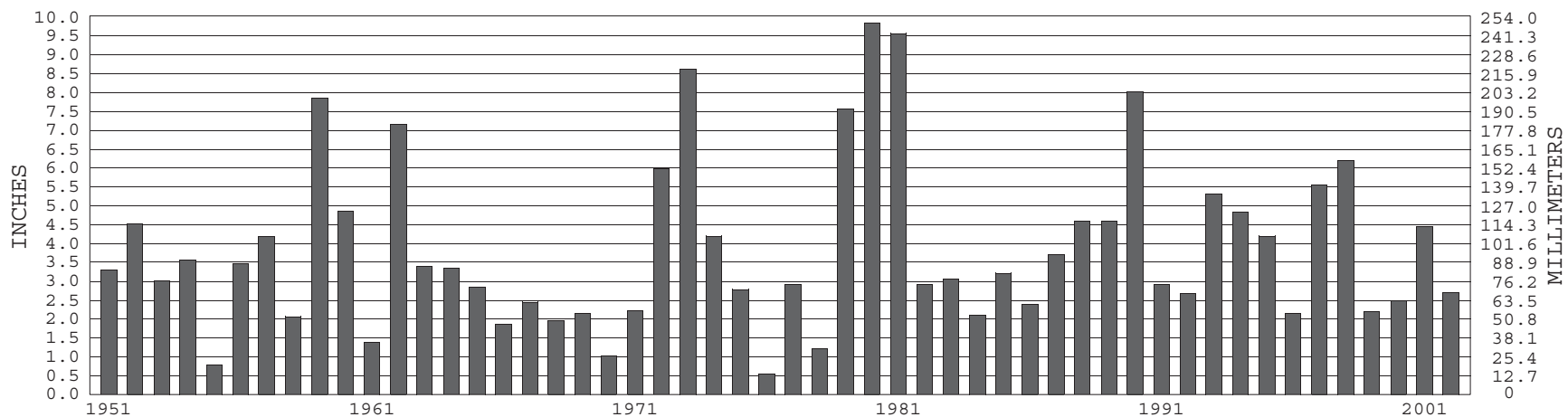
LA CROSSE, WI AUGUST TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2002) Mean: 71.1 1961-1990 Normal: 71.6

LA CROSSE, WI AUGUST PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.86

1961-1990 Normal: 4.28



AUGUST 2002

LA CROSSE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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