



APRIL 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 | 32 | 24 | 28* | -14 | 22 | 27 | 37 | 0 | SN FG+ FZFG BR | 0 | | 2.3 | 0.23 | 29.25 | 29.99 | 3.6 | 10 | 6.0 | 20 | 19 | 16 | 19 | 01 | | |
| 02 | 36 | 30 | 33 | -10 | 30 | 32 | 32 | 0 | SN BR UP | 2 | | 1.7 | 0.15 | 29.23 | 29.97 | 8.8 | 34 | 9.9 | 23 | 34 | 20 | 34 | 02 | | |
| 03 | 33 | 25 | 29 | -14 | 20 | 26 | 36 | 0 | SN BR | 1 | | T | T | 29.63 | 30.38 | 12.5 | 33 | 12.7 | 25 | 33 | 22 | 33 | 03 | | |
| 04 | 35 | 24 | 30 | -14 | 16 | 25 | 35 | 0 | | 1 | | 0.0 | 0.00 | 29.75 | 30.50 | 6.2 | 34 | 7.2 | 15 | 32 | 13 | 32 | 04 | | |
| 05 | 43 | 25 | 34 | -10 | 19 | 28 | 31 | 0 | | 0 | | 0.0 | 0.00 | 29.69 | 30.44 | 4.1 | 35 | 6.1 | 21 | 33 | 17 | 35 | 05 | | |
| 06 | 50 | 20* | 35 | -10 | 19 | 31 | 30 | 0 | RA | 0 | | 0.0 | 0.06 | 29.54 | 30.28 | 10.8 | 18 | 11.6 | 29 | 18 | 24 | 17 | 06 | | |
| 07 | 51 | 41 | 46 | 1 | 31 | 39 | 19 | 0 | TS TSRA RA HZ | 0 | | 0.0 | 0.16 | 29.12 | 29.84 | 13.1 | 18 | 13.3 | 28 | 19 | 24 | 19 | 07 | | |
| 08 | 50 | 39 | 45 | 0 | 39 | 43 | 20 | 0 | RA FG BR HZ | 0 | | 0.0 | 0.13 | 29.15 | 29.87 | 4.5 | 36 | 7.6 | 24 | 35 | 20 | 35 | 08 | | |
| 09 | 57 | 31 | 44 | -1 | 31 | 39 | 21 | 0 | | 0 | | 0.0 | 0.00 | 29.52 | 30.24 | 1.1 | 34 | 6.7 | 21 | 35 | 16 | 35 | 09 | | |
| 10 | 68 | 46 | 57 | 11 | 41 | 49 | 8 | 0 | RA | 0 | | 0.0 | T | 29.45 | 30.16 | 14.5 | 19 | 14.8 | 31 | 18 | 25 | 19 | 10 | | |
| 11 | 66 | 45 | 56 | 10 | 48 | 52 | 9 | 0 | RA BR | 0 | | 0.0 | 1.24 | 29.23 | 29.92 | 6.5 | 22 | 12.3 | 30 | 19 | 24 | 19 | 11 | | |
| 12 | 59 | 42 | 51 | 4 | 42 | 45 | 14 | 0 | | 0 | | 0.0 | 0.00 | 29.40 | 30.11 | 5.7 | 34 | 7.1 | 18 | 33 | 15 | 34 | 12 | | |
| 13 | 68 | 35 | 52 | 5 | 42 | 48 | 13 | 0 | FG+ BR | 0 | | 0.0 | 0.00 | 29.36 | 30.07 | 6.3 | 18 | 6.9 | 17 | 18 | 15 | 19 | 13 | | |
| 14 | 77 | 53 | 65 | 17 | 51 | 56 | 0 | 0 | TSRA RA | 0 | | 0.0 | 0.03 | 28.96 | 29.65 | 9.0 | 20 | 10.7 | 31 | 26 | 23 | 26 | 14 | | |
| 15 | 90* | 54 | 72 | 24 | 55 | 62 | 0 | 7 | | 0 | | 0.0 | 0.00 | 28.93 | 29.60 | 12.4 | 18 | 13.0 | 30 | 18 | 25 | 19 | 15 | | |
| 16 | 86 | 68 | 77* | 29 | 61 | 67 | 0 | 12 | RA | 0 | | 0.0 | T | 28.98 | 29.64 | 17.2 | 19 | 17.5 | 44 | 21 | 36 | 23 | 16 | | |
| 17 | 72 | 52 | 62 | 13 | 47 | 55 | 3 | 0 | RA BR | 0 | | 0.0 | 0.27 | 29.24 | 29.93 | 4.3 | 29 | 7.4 | 36 | 23 | 29 | 25 | 17 | | |
| 18 | 84 | 57 | 71 | 22 | 58 | 63 | 0 | 6 | TSRA RA VCTS | 0 | | 0.0 | 0.14 | 29.01 | 29.69 | 8.3 | 22 | 14.7 | 37 | 30 | 30 | 29 | 18 | | |
| 19 | 59 | 46 | 53 | 3 | 41 | 47 | 12 | 0 | | 0 | | 0.0 | 0.00 | 29.38 | 30.09 | 9.7 | 01 | 10.4 | 24 | 02 | 21 | 32 | 19 | | |
| 20 | 56 | 38 | 47 | -3 | 24 | 38 | 18 | 0 | | 0 | | 0.0 | 0.00 | 29.47 | 30.19 | 8.4 | 04 | 9.6 | 23 | 03 | 18 | 03 | 20 | | |
| 21 | 47 | 32 | 40 | -11 | 32 | 33 | 25 | 0 | RA SN FG+ BR UP | T | | 4.5 | 0.58 | 29.30 | 30.03 | 8.1 | 07 | 9.7 | 25 | 09 | 18 | 10 | 21 | | |
| 22 | 42 | 32 | 37 | -14 | 28 | 33 | 28 | 0 | | T | | 0.0 | 0.00 | 29.42 | 30.15 | 2.0 | 01 | 5.5 | 12 | 35 | 9 | 29 | 22 | | |
| 23 | 65 | 35 | 50 | -2 | 38 | 45 | 15 | 0 | | 0 | | 0.0 | 0.00 | 29.30 | 30.02 | 11.6 | 18 | 12.7 | 25 | 17 | 21 | 16 | 23 | | |
| 24 | 60 | 40 | 50 | -2 | 40 | 46 | 15 | 0 | RA | 0 | | 0.0 | 0.02 | 29.15 | 29.85 | 9.3 | 28 | 17.3 | 43 | 33 | 33 | 33 | 24 | | |
| 25 | 49 | 34 | 42 | -11 | 21 | 34 | 23 | 0 | | 0 | | 0.0 | 0.00 | 29.41 | 30.14 | 17.0 | 30 | 18.1 | 46* | 31 | 37* | 31 | 25 | | |
| 26 | 53 | 28 | 41 | -12 | 19 | 34 | 24 | 0 | | 0 | | 0.0 | 0.00 | 29.57 | 30.30 | 2.3 | 02 | 5.6 | 18 | 34 | 16 | 34 | 26 | | |
| 27 | 47 | 33 | 40 | -13 | 32 | 37 | 25 | 0 | RA SN BR UP | 0 | | 2.3 | 1.15 | 29.16 | 29.88 | 12.4 | 10 | 13.4 | 35 | 09 | 25 | 13 | 27 | | |
| 28 | 46 | 36 | 41 | -13 | 34 | 38 | 24 | 0 | RA | 0 | | 0.0 | 0.11 | 29.13 | 29.85 | 9.4 | 35 | 11.2 | 26 | 05 | 21 | 36 | 28 | | |
| 29 | 66 | 40 | 53 | -1 | | | 12 | 0 | | 0 | | 0.0 | 0.00 | | | | | 10.6 | 33 | 27 | 25 | 28 | 29 | | |
| 30 | 62 | 36 | 49 | -6 | | | 16 | 0 | | 0 | | 0.0 | 0.00 | | | | | 5.7 | 22 | 22 | 20 | 22 | 30 | | |
| | | | | | | | | | | < MONTHLY AVERAGES | | TOTALS--> | | | | | | 10.5 | <-- MONTHLY AVERAGES | | | | | | |
| | | | | | | | | | | | | 10.8 | 4.27 | | | | | | | | | | | | |
| | | | | | | | | | | | | | 0.89 | | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

APRIL 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 | | | | | | | | | | | 0.01 | 0.05 | 01 | 0.06 | 0.04 | 0.05 | 0.01 | 0.01 | T | | | | | | 01 | 0.09 | | 0.23 | |
| 02 | | | | T | 0.01 | 0.02 | T | 0.01 | 0.02 | 0.02 | 0.01 | T | 02 | T | T | T | T | T | | T | T | T | T | T | 02 | | | 0.15 | |
| 03 | T | T | T | | T | T | | T | T | T | T | | 03 | | | | | T | | | | | | | 03 | | | T | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | | | 0.00 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | | 0.00 | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | T | 0.02 | 0.04 | 06 | | | 0.06 | |
| 07 | 0.01 | 0.03 | T | | | | | | 0.01 | | | | 07 | | | | | 0.01 | 0.07 | 0.02 | T | 0.01 | | | 07 | | 0.16 | | |
| 08 | | T | 0.01 | | T | 0.01 | | | | T | 0.03 | 0.07 | 08 | 0.01 | | | | | | | | | | | 08 | | 0.13 | | |
| 09 | | | | | | | | | | | T | | 09 | | | | | | | | | | | | 09 | | 0.00 | | |
| 10 | | | | | | | | T | T | | | | 10 | | | | | | | | | | | | 10 | | T | | |
| 11 | | | | | | | 0.04 | 0.04 | 0.04 | 0.01 | T | 0.01 | 11 | 0.01 | T | 0.01 | 0.05 | 0.10 | 0.30 | 0.31 | 0.17 | 0.15 | | | 11 | 0.04 | | 1.24 | |
| 12 | | | | | | | | | | | T | | 12 | | | | | | | | | | | | 12 | | | 0.00 | |
| 13 | | | | | | | | | | | T | | 13 | | | | | | | | | | | | 13 | | T | 0.00 | |
| 14 | | T | 0.01 | T | 0.01 | | | | | | T | 0.01 | 14 | | 0.01 | | | | | | | | | | 14 | | | 0.03 | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | | | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | T | T | T | 16 | 0.28 | | T |
| 17 | 0.01 | 0.27 | | | | | | | | | | | 17 | | | | | | | | | | | | 17 | | | 0.27 | |
| 18 | | | | | 0.13 | | | T | | | | | 18 | | | | | 0.01 | T | | | | | | 18 | | | 0.14 | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | | | 0.00 | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | | | 0.00 | |
| 21 | | | 0.01 | 0.11 | 0.01 | T | T | 0.01 | | T | 0.03 | 0.09 | 21 | 0.04 | 0.12 | 0.04 | T | T | | T | 0.01 | | | T | 21 | 0.47 | | 0.58 | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | | | 0.00 | |
| 23 | | | | | | | | | | | | | 23 | | | | | | | | | | | | 23 | | | 0.00 | |
| 24 | | | | | | | | | | | T | T | 24 | 0.02 | | | | | | | | | | | 24 | | | 0.02 | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | | | 0.00 | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | 1.10 | | 0.00 | |
| 27 | | | | | | | | | | | | 0.10 | 27 | 0.15 | 0.06 | 0.01 | 0.05 | 0.26 | 0.14 | 0.09 | 0.05 | 0.04 | 0.01 | 0.07 | 0.07 | | 27 | | 1.15 |
| 28 | 0.01 | 0.07 | 0.02 | | 0.01 | T | | T | | | | | 28 | | | | | | | | | | | | 28 | | | 0.11 | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | | | 0.00 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | | | 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) | | | | | | | | | | | | |
| Ending Date | | | | | | | | | | | | |
| Ending Time (Hour/Min) | | | | | | | | | | | | |

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
APRIL 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).

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 | | | | | | | .25 | 10.00 | |
| 02 | | | | | | | .75 | 10.00 | |
| 03 | | | | | | | 3.00 | 10.00 | |
| 04 | | | | | | | 10.00 | 10.00 | |
| 05 | | | | | | | 10.00 | 10.00 | |
| 06 | | | | | | | 8.00 | 10.00 | |
| 07 | | | | | | | 3.00 | 10.00 | |
| 08 | | | | | | | .50 | 10.00 | |
| 09 | | | | | | | 9.00 | 10.00 | |
| 10 | | | | | | | 9.00 | 10.00 | |
| 11 | | | | | | | 1.25 | 10.00 | |
| 12 | | | | | | | 9.00 | 10.00 | |
| 13 | | | | | | | .25 | 10.00 | |
| 14 | | | | | | | 7.00 | 10.00 | |
| 15 | | | | | | | 10.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 10.00 | 10.00 | |
| 18 | | | | | | | 8.00 | 10.00 | |
| 19 | | | | | | | 10.00 | 10.00 | |
| 20 | | | | | | | 10.00 | 10.00 | |
| 21 | | | | | | | .25 | 10.00 | |
| 22 | | | | | | | 10.00 | 10.00 | |
| 23 | | | | | | | 10.00 | 10.00 | |
| 24 | | | | | | | 9.00 | 10.00 | |
| 25 | | | | | | | 10.00 | 10.00 | |
| 26 | | | | | | | 10.00 | 10.00 | |
| 27 | | | | | | | .75 | 10.00 | |
| 28 | | | | | | | 7.00 | 10.00 | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| MONTHLY AVGS | | | | | | | 7.00 | 10.00 | |
| <p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p> | | | | | | | | | |
| <p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">1 8 20</p> | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

APRIL 2002

LSE

WBAN # 14920

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | |
|------------|-----------|-----|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|------------|-----------|-----|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|--------------------------|---------|--------------------------|-------|-------|--|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | | DRY BULB | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | |
| | | | | SUNRISE: 0547 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 036 | | | | 10.00 | | 29 | 15 | 25 | 56 | 7 | 01 | 29.32 | 30.06 | 03 | OVC | 050 | | | | | | 10.00 | 42 | 30 | 37 | 62 | 20 | 18 | 29.17 | 29.88 | |
| 06 | CLR | NC | | | | 10.00 | | 26 | 15 | 23 | 63 | 3 | 12 | 29.31 | 30.05 | 06 | OVC | 042 | | | | | | 10.00 | 42 | 32 | 38 | 68 | 18 | 19 | 29.13 | 29.85 | |
| 09 | FEW | NC | | | | 10.00 | | 31 | 16 | 26 | 54 | 7 | 17 | 29.31 | 30.04 | 09 | OVC | 014 | | | | | | 3.00 | 42 | 31 | 37 | 65 | 9 | 17 | 29.13 | 29.85 | |
| 12 | VV | 007 | | | | 0.75 | -SN BR | 28 | 25 | 27 | 88 | 6 | 13 | 29.26 | 30.00 | 12 | OVC | 020 | | | | | | 7.00 | 47 | 31 | 40 | 54 | 13 | 18 | 29.10 | 29.82 | |
| 15 | OVC | 012 | | | | 1.75 | -SN BR | 29 | 27 | 28 | 92 | 5 | 09 | 29.21 | 29.95 | 15 | OVC | 026 | | | | | | 8.00 | 50 | 31 | 42 | 48 | 17 | 19 | 29.08 | 29.79 | |
| 18 | OVC | 013 | | | | 7.00 | | 30 | 26 | 29 | 85 | 7 | 09 | 29.20 | 29.93 | 18 | OVC | 016 | | | | | | 5.00 | 46 | 31 | 40 | 56 | 10 | 18 | 29.09 | 29.80 | |
| 21 | OVC | 060 | | | | 10.00 | | 31 | 27 | 29 | 85 | 3 | 07 | 29.18 | 29.91 | 21 | OVC | 014 | | | | | | 3.00 | 45 | 31 | 39 | 58 | 10 | 19 | 29.12 | 29.84 | |
| 24 | OVC | 014 | | | | 8.00 | | 32 | 28 | 31 | 85 | 5 | VR | 29.15 | 29.88 | 24 | OVC | 012 | | | | | | 3.00 | 45 | 30 | 39 | 56 | 9 | 17 | 29.10 | 29.82 | |
| | | | | SUNRISE: 0545 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 012 | | | | 7.00 | | 32 | 27 | 30 | 82 | 0 | 00 | 29.16 | 29.89 | 03 | OVC | 003 | | | | | | 4.00 | 45 | 29 | 38 | 54 | 5 | 16 | 29.09 | 29.80 | |
| 06 | OVC | 029 | | | | 1.75 | -SN BR | 31 | 30 | 31 | 96 | 3 | 01 | 29.13 | 29.86 | 06 | OVC | 003 | | | | | | 3.00 | 46 | 28 | 39 | 50 | 5 | 16 | 29.12 | 29.83 | |
| 09 | OVC | 006 | | | | 1.00 | -SN BR | 32 | 31 | 32 | 96 | 7 | 34 | 29.14 | 29.88 | 09 | OVC | 007 | | | | | | 6.00 | 47 | 45 | 46 | 93 | 0 | 00 | 29.12 | 29.83 | |
| 12 | OVC | 021 | | | | 5.00 | BR | 33 | 30 | 32 | 89 | 12 | 34 | 29.16 | 29.89 | 12 | OVC | 005 | | | | | | 3.00 | 47 | 46 | 46 | 97 | 3 | 32 | 29.13 | 29.84 | |
| 15 | OVC | 032 | | | | 9.00 | | 35 | 30 | 33 | 82 | 20 | 34 | 29.22 | 29.95 | 15 | OVC | 010 | | | | | | 7.00 | 49 | 47 | 48 | 93 | 6 | 02 | 29.11 | 29.83 | |
| 18 | OVC | 080 | | | | 10.00 | | 35 | 28 | 32 | 76 | 14 | 34 | 29.32 | 30.05 | 18 | OVC | 014 | | | | | | 5.00 | 47 | 43 | 45 | 86 | 9 | 01 | 29.16 | 29.88 | |
| 21 | OVC | 035 | | | | 6.00 | -SN BR | 33 | 31 | 32 | 92 | 9 | 32 | 29.40 | 30.14 | 21 | OVC | 018 | | | | | | 10.00 | 43 | 37 | 40 | 80 | 15 | 35 | 29.24 | 29.96 | |
| 24 | OVC | 026 | | | | 1.75 | -SN BR | 30 | 28 | 29 | 92 | 13 | 32 | 29.44 | 30.19 | 24 | OVC | 032 | | | | | | 10.00 | 40 | 34 | 37 | 79 | 14 | 35 | 29.30 | 30.02 | |
| | | | | SUNRISE: 0543 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 022 | | | | 10.00 | | 29 | 24 | 27 | 82 | 17 | 34 | 29.49 | 30.24 | 03 | CLR | NC | | | | | | 10.00 | 34 | 31 | 33 | 89 | 8 | 36 | 29.37 | 30.10 | |
| 06 | OVC | 060 | | | | 10.00 | | 26 | 19 | 24 | 75 | 17 | 34 | 29.57 | 30.31 | 06 | CLR | NC | | | | | | 9.00 | 32 | 30 | 31 | 92 | 6 | 02 | 29.46 | 30.20 | |
| 09 | OVC | 050 | | | | 10.00 | | 27 | 19 | 24 | 72 | 13 | 34 | 29.63 | 30.38 | 09 | CLR | NC | | | | | | 10.00 | 42 | 33 | 38 | 71 | 7 | 31 | 29.55 | 30.27 | |
| 12 | OVC | 026 | | | | 10.00 | | 29 | 21 | 26 | 72 | 13 | 32 | 29.66 | 30.40 | 12 | CLR | NC | | | | | | 10.00 | 48 | 30 | 40 | 50 | 5 | VR | 29.57 | 30.30 | |
| 15 | OVC | 046 | | | | 10.00 | | 33 | 20 | 29 | 59 | 12 | 33 | 29.66 | 30.41 | 15 | CLR | NC | | | | | | 10.00 | 55 | 31 | 44 | 40 | 6 | 03 | 29.54 | 30.27 | |
| 18 | OVC | 055 | | | | 10.00 | | 30 | 18 | 26 | 61 | 12 | 33 | 29.68 | 30.44 | 18 | CLR | NC | | | | | | 10.00 | 55 | 31 | 44 | 40 | 7 | 21 | 29.55 | 30.28 | |
| 21 | OVC | 055 | | | | 10.00 | | 29 | 18 | 25 | 64 | 8 | 35 | 29.73 | 30.48 | 21 | CLR | NC | | | | | | 10.00 | 47 | 33 | 41 | 59 | 7 | 17 | 29.57 | 30.30 | |
| 24 | OVC | 055 | | | | 10.00 | | 29 | 19 | 26 | 66 | 8 | 32 | 29.73 | 30.49 | 24 | FEW | NC | | | | | | 10.00 | 46 | 34 | 41 | 63 | 8 | 18 | 29.60 | 30.32 | |
| | | | | SUNRISE: 0541 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 055 | | | | 10.00 | | 28 | 17 | 25 | 63 | 12 | 33 | 29.75 | 30.49 | 03 | OVC | 110 | | | | | | 10.00 | 47 | 34 | 41 | 61 | 15 | 19 | 29.56 | 30.27 | |
| 06 | OVC | 050 | | | | 10.00 | | 28 | 17 | 25 | 63 | 8 | 35 | 29.77 | 30.53 | 06 | OVC | 090 | | | | | | 10.00 | 47 | 37 | 42 | 69 | 17 | 19 | 29.56 | 30.27 | |
| 09 | OVC | 050 | | | | 10.00 | | 31 | 17 | 26 | 56 | 9 | 34 | 29.79 | 30.54 | 09 | OVC | 080 | | | | | | 9.00 | 49 | 40 | 45 | 71 | 8 | 18 | 29.57 | 30.29 | |
| 12 | OVC | 049 | | | | 10.00 | | 32 | 15 | 27 | 50 | 7 | 02 | 29.78 | 30.53 | 12 | SCT | NC | | | | | | 10.00 | 58 | 41 | 50 | 54 | 14 | 18 | 29.47 | 30.19 | |
| 15 | OVC | 049 | | | | 10.00 | | 34 | 14 | 28 | 44 | 10 | 34 | 29.74 | 30.48 | 15 | CLR | NC | | | | | | 10.00 | 68 | 45 | 56 | 44 | 22 | 19 | 29.36 | 30.07 | |
| 18 | CLR | NC | | | | 10.00 | | 33 | 14 | 27 | 45 | 6 | 35 | 29.72 | 30.46 | 18 | CLR | NC | | | | | | 10.00 | 66 | 47 | 56 | 50 | 15 | 18 | 29.32 | 30.03 | |
| 21 | CLR | NC | | | | 10.00 | | 27 | 16 | 24 | 63 | 6 | 36 | 29.73 | 30.49 | 21 | CLR | NC | | | | | | 10.00 | 62 | 45 | 53 | 54 | 17 | 19 | 29.32 | 30.02 | |
| 24 | BKN | 075 | | | | 10.00 | | 24 | 18 | 22 | 77 | 3 | 13 | 29.71 | 30.46 | 24 | CLR | NC | | | | | | 10.00 | 60 | 43 | 51 | 53 | 21 | 19 | 29.32 | 30.01 | |
| | | | | SUNRISE: 0540 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 080 | | | | 10.00 | | 26 | 20 | 24 | 78 | 0 | 00 | 29.71 | 30.46 | 03 | CLR | NC | | | | | | 10.00 | 57 | 41 | 49 | 55 | 17 | 19 | 29.28 | 29.97 | |
| 06 | OVC | 070 | | | | 10.00 | | 26 | 20 | 24 | 78 | 5 | 12 | 29.69 | 30.44 | 06 | OVC | 100 | | | | | | 10.00 | 57 | 40 | 49 | 53 | 20 | 19 | 29.27 | 29.96 | |
| 09 | OVC | 075 | | | | 10.00 | | 32 | 19 | 28 | 59 | 3 | 33 | 29.70 | 30.45 | 09 | OVC | 034 | | | | | | 6.00 | 51 | 47 | 49 | 86 | 15 | 18 | 29.27 | 29.96 | |
| 12 | OVC | 070 | | | | 10.00 | | 39 | 17 | 31 | 41 | 12 | 31 | 29.69 | 30.44 | 12 | OVC | 050 | | | | | | 6.00 | 58 | 48 | 53 | 70 | 0 | 00 | 29.21 | 29.90 | |
| 15 | BKN | 055 | | | | 10.00 | | 41 | 17 | 33 | 38 | 13 | 35 | 29.66 | 30.40 | 15 | OVC | 048 | | | | | | 10.00 | 66 | 53 | 59 | 63 | 13 | 23 | 29.15 | 29.84 | |
| 18 | FEW | NC | | | | 10.00 | | 37 | 17 | 30 | 44 | 13 | 36 | 29.68 | 30.42 | 18 | OVC | 045 | | | | | | 3.00 | 57 | 56 | 56 | 96 | 17 | 29 | 29.14 | 29.83 | |
| 21 | CLR | NC | | | | 10.00 | | 30 | 18 | 26 | 61 | 0 | 00 | 29.70 | 30.45 | 21 | OVC | 018 | | | | | | 10.00 | 50 | 48 | 49 | 93 | 17 | 33 | 29.21 | 29.91 | |
| 24 | CLR | NC | | | | 10.00 | | 27 | 20 | 25 | 75 | 0 | 00 | 29.71 | 30.45 | 24 | OVC | 009 | | | | | | 10.00 | 45 | 43 | 44 | 93 | 13 | 33 | 29.28 | 29.98 | |
| | | | | SUNRISE: 0538 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | | 22 | 19 | 21 | 89 | 0 | 00 | 29.72 | 30.47 | 03 | OVC | 013 | | | | | | 10.00 | 44 | 42 | 43 | 93 | 12 | 33 | 29.31 | 30.01 | |
| 06 | CLR | NC | | | | 9.00 | | 22 | 18 | 21 | 85 | 3 | 13 | 29.73 | 30.48 | 06 | OVC | 011 | | | | | | 10.00 | 44 | 41 | 43 | 89 | 8 | 36 | 29.37 | 30.08 | |
| 09 | CLR | NC | | | | 10.00 | | 35 | 24 | 31 | 64 | 7 | 18 | 29.70 | 30.45 | 09 | OVC | 013 | | | | | | 10.00 | 45 | 41 | 43 | 86 | 9 | 34 | 29.43 | 30.15 | |
| 12 | CLR | NC | | | | 10.00 | | 44 | 17 | 34 | 34 | 14 | 20 | 29.62 | 30.37 | 12 | OVC | 021 | | | | | | 10.00 | 50 | 41 | 46 | 71 | 6 | VR | 29.45 | 30.17 | |
| 15 | CLR | NC | | | | 10.00 | | 48 | 15 | 36 | 27 | 18 | 21 | 29.48 | 30.22 | 15 | CLR | NC | | | | | | 10.00 | 56 | 43 | 49 | 62 | 9 | 32 | 29.41 | 30.12 | |
| 18 | CLR | NC | | | | 10.00 | | 47 | 16 | 36 | 29 | 21 | 17 | 29.36 | 30.10 | 18 | CLR | NC | | | | | | 10.00 | 57 | 42 | 50 | 58 | 3 | 29 | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

APRIL 2002

LSE

WBAN # 14920

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | |
|------------|-----------|-----|------------------------|---------------------------|---------------------|----------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|------------|-----------|-----|------------------------|---------------------------|---------------------|--------------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | SUNRISE: 0526 | | APR 13 | SUNSET: 1845 | | | | | | | | | | | SUNRISE: 0516 | | APR 19 | SUNSET: 1852 | | | | | | | | |
| 03 | CLR | NC | | | 7.00 | | 40 | 40 | 40 | 100 | 3 | 15 | 29.45 | 30.18 | 03 | CLR | NC | | | | | 10.00 | | | | | | | |
| 06 | OVC | 003 | | | 0.50 | FG | 38 | 38 | 38 | 100 | 0 | 00 | 29.47 | 30.19 | 06 | BKN | 028 | | | | | 10.00 | | | | | | | |
| 09 | BKN | 003 | | | 3.00 | BR | 45 | 45 | 45 | 100 | 6 | 16 | 29.46 | 30.19 | 09 | OVC | 018 | | | | | 10.00 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | 63 | 45 | 54 | 52 | 13 | 21 | 29.40 | 30.11 | 12 | OVC | 025 | | | | | 10.00 | | | | | | | |
| 15 | SCT | NC | | | 10.00 | | 68 | 44 | 55 | 42 | 13 | 19 | 29.32 | 30.03 | 15 | FEW | NC | | | | | 10.00 | | | | | | | |
| 18 | SCT | NC | | | 10.00 | | 64 | 42 | 53 | 45 | 8 | 17 | 29.27 | 29.98 | 18 | CLR | NC | | | | | 10.00 | | | | | | | |
| 21 | SCT | NC | | | 10.00 | | 59 | 44 | 51 | 58 | 7 | 18 | 29.23 | 29.93 | 21 | OVC | 095 | | | | | 10.00 | | | | | | | |
| 24 | BKN | 120 | | | 10.00 | | 57 | 46 | 51 | 67 | 10 | 19 | 29.20 | 29.89 | 24 | BKN | 110 | | | | | 10.00 | | | | | | | |
| | | | | SUNRISE: 0524 | | APR 14 | SUNSET: 1846 | | | | | | | | | | | SUNRISE: 0514 | | APR 20 | SUNSET: 1854 | | | | | | | | |
| 03 | BKN | 110 | | | 9.00 | | 54 | 48 | 51 | 80 | 16 | 19 | 29.12 | 29.80 | 03 | SCT | NC | | | | | 10.00 | | | | | | | |
| 06 | CLR | NC | | | 9.00 | | 53 | 45 | 49 | 74 | 15 | 20 | 29.05 | 29.74 | 06 | FEW | NC | | | | | 10.00 | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | 58 | 49 | 53 | 72 | 16 | 19 | 28.98 | 29.67 | 09 | OVC | 110 | | | | | 10.00 | | | | | | | |
| 12 | FEW | NC | | | 10.00 | | 66 | 57 | 61 | 73 | 15 | 17 | 28.89 | 29.57 | 12 | FEW | NC | | | | | 10.00 | | | | | | | |
| 15 | SCT | NC | | | 10.00 | | 75 | 56 | 63 | 52 | 13 | 27 | 28.85 | 29.53 | 15 | SCT | NC | | | | | 10.00 | | | | | | | |
| 18 | CLR | NC | | | 10.00 | | 70 | 49 | 58 | 47 | 8 | 30 | 28.86 | 29.54 | 18 | OVC | 110 | | | | | 10.00 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | 60 | 51 | 55 | 72 | 6 | 18 | 28.90 | 29.59 | 21 | OVC | 100 | | | | | 10.00 | | | | | | | |
| 24 | CLR | NC | | | 10.00 | | 57 | 52 | 54 | 83 | 5 | 13 | 28.92 | 29.60 | 24 | OVC | 070 | | | | | 10.00 | | | | | | | |
| | | | | SUNRISE: 0522 | | APR 15 | SUNSET: 1848 | | | | | | | | | | | SUNRISE: 0512 | | APR 21 | SUNSET: 1855 | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 55 | 51 | 53 | 87 | 6 | 15 | 28.93 | 29.61 | 03 | OVC | 012 | | | | | 8.00 | -SN | | | | | | |
| 06 | CLR | NC | | | 10.00 | | 56 | 51 | 53 | 84 | 7 | 15 | 28.95 | 29.63 | 06 | OVC | 012 | | | | | 2.50 | -SN BR | | | | | | |
| 09 | CLR | NC | | | 10.00 | | 68 | 56 | 61 | 66 | 16 | 18 | 28.91 | 29.59 | 09 | OVC | 018 | | | | | 10.00 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | 82 | 60 | 68 | 47 | 16 | 18 | 28.91 | 29.59 | 12 | OVC | 004 | | | | | 1.00 | -SN BR | | | | | | |
| 15 | CLR | NC | | | 10.00 | | 89 | 55 | 68 | 32 | 17 | 19 | 28.88 | 29.55 | 15 | OVC | 008 | | | | | 1.25 | -SN BR | | | | | | |
| 18 | CLR | NC | | | 10.00 | | 83 | 58 | 67 | 43 | 18 | 19 | 28.89 | 29.57 | 18 | OVC | 023 | | | | | 10.00 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | 77 | 57 | 65 | 50 | 14 | 19 | 28.94 | 29.61 | 21 | OVC | 007 | | | | | 6.00 | BR | | | | | | |
| 24 | CLR | NC | | | 10.00 | | 73 | 58 | 64 | 59 | 14 | 18 | 28.98 | 29.65 | 24 | OVC | 013 | | | | | 10.00 | | | | | | | |
| | | | | SUNRISE: 0521 | | APR 16 | SUNSET: 1849 | | | | | | | | | | | SUNRISE: 0511 | | APR 22 | SUNSET: 1856 | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 71 | 58 | 63 | 63 | 15 | 19 | 28.98 | 29.64 | 03 | OVC | 020 | | | | | 10.00 | | | | | | | |
| 06 | CLR | NC | | | 10.00 | | 68 | 58 | 62 | 70 | 14 | 18 | 29.01 | 29.67 | 06 | OVC | 014 | | | | | 10.00 | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | 74 | 60 | 65 | 62 | 16 | 19 | 29.00 | 29.67 | 09 | OVC | 017 | | | | | 10.00 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | 80 | 63 | 69 | 56 | 24 | 19 | 28.96 | 29.63 | 12 | OVC | 028 | | | | | 10.00 | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | 85 | 64 | 71 | 50 | 23 | 19 | 28.93 | 29.59 | 15 | OVC | 040 | | | | | 10.00 | | | | | | | |
| 18 | SCT | NC | | | 10.00 | | 82 | 64 | 70 | 55 | 22 | 19 | 28.92 | 29.59 | 18 | BKN | 041 | | | | | 10.00 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | 78 | 61 | 67 | 56 | 15 | 22 | 28.97 | 29.64 | 21 | CLR | NC | | | | | 10.00 | | | | | | | |
| 24 | BKN | 120 | | | 10.00 | | 68 | 62 | 64 | 81 | 12 | 19 | 29.04 | 29.71 | 24 | BKN | 090 | | | | | 10.00 | | | | | | | |
| | | | | SUNRISE: 0519 | | APR 17 | SUNSET: 1850 | | | | | | | | | | | SUNRISE: 0509 | | APR 23 | SUNSET: 1857 | | | | | | | | |
| 03 | SCT | NC | | | 10.00 | | 62 | 57 | 59 | 84 | 10 | 28 | 29.08 | 29.75 | 03 | OVC | 045 | | | | | 10.00 | | | | | | | |
| 06 | CLR | NC | | | 10.00 | | 58 | 50 | 54 | 75 | 9 | 28 | 29.19 | 29.86 | 06 | SCT | NC | | | | | 10.00 | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | 61 | 46 | 53 | 58 | 8 | 30 | 29.28 | 29.96 | 09 | CLR | NC | | | | | 10.00 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | 67 | 46 | 56 | 47 | 9 | 32 | 29.32 | 30.00 | 12 | CLR | NC | | | | | 10.00 | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | 71 | 42 | 56 | 35 | 6 | 34 | 29.32 | 30.01 | 15 | CLR | NC | | | | | 10.00 | | | | | | | |
| 18 | CLR | NC | | | 10.00 | | 71 | 40 | 55 | 32 | 0 | 00 | 29.29 | 29.98 | 18 | CLR | NC | | | | | 10.00 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | 61 | 42 | 51 | 50 | 6 | 11 | 29.27 | 29.96 | 21 | CLR | NC | | | | | 10.00 | | | | | | | |
| 24 | FEW | NC | | | 10.00 | | 58 | 43 | 50 | 58 | 8 | 12 | 29.26 | 29.95 | 24 | BKN | 055 | | | | | 10.00 | | | | | | | |
| | | | | SUNRISE: 0517 | | APR 18 | SUNSET: 1851 | | | | | | | | | | | SUNRISE: 0508 | | APR 24 | SUNSET: 1858 | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 60 | 43 | 51 | 53 | 8 | 12 | 29.13 | 29.81 | 03 | CLR | NC | | | | | 10.00 | | | | | | | |
| 06 | CLR | NC | | | 10.00 | | 59 | 57 | 58 | 93 | 8 | 17 | 29.08 | 29.76 | 06 | BKN | 048 | | | | | 10.00 | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | 70 | 62 | 65 | 76 | 15 | 20 | 29.01 | 29.69 | 09 | OVC | 017 | | | | | 10.00 | | | | | | | |
| 12 | BKN | 055 | | | 10.00 | | 81 | 67 | 72 | 62 | 18 | 20 | 28.95 | 29.62 | 12 | OVC | 019 | | | | | 10.00 | | | | | | | |
| 15 | SCT | NC | | | 10.00 | | 82 | 67 | 72 | 60 | 18 | 22 | 28.88 | 29.56 | 15 | OVC | 042 | | | | | 10.00 | | | | | | | |
| 18 | OVC | 055 | | | 10.00 | VCTS -RA | 71 | 60 | 64 | 68 | 13 | 29 | 28.87 | 29.55 | 18 | SCT | NC | | | | | 10.00 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | 70 | 58 | 63 | 66 | 16 | 32 | 29.01 | 29.69 | 21 | CLR | NC | | | | | 10.00 | | | | | | | |
| 24 | FEW | NC | | | 10.00 | | 59 | 50 | 54 | 72 | 22 | 33 | 29.18 | 29.85 | 24 | CLR | NC | | | | | 10.00 | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

APRIL 2002

LSE

WBAN # 14920

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | | WIND | | PRESSURE (INCHES,HG) | |
|-----------------------------------|-----------|-----|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|-------------------------|--------------|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| SUNRISE: 0506 APR 25 SUNSET: 1860 | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | | 38 | 19 | 31 | 47 | 13 | 24 | 29.32 | 30.03 |
| 06 | CLR | NC | | | | 10.00 | | 39 | 18 | 32 | 43 | 29 | 30 | 29.32 | 30.03 |
| 09 | FEW | NC | | | | 10.00 | | 40 | 20 | 33 | 45 | 22 | 29 | 29.39 | 30.12 |
| 12 | FEW | NC | | | | 10.00 | | 45 | 23 | 36 | 42 | 23 | 28 | 29.42 | 30.15 |
| 15 | FEW | NC | | | | 10.00 | | 48 | 24 | 38 | 39 | 21 | 29 | 29.43 | 30.16 |
| 18 | CLR | NC | | | | 10.00 | | 45 | 23 | 36 | 42 | 13 | 30 | 29.44 | 30.17 |
| 21 | CLR | NC | | | | 10.00 | | 41 | 20 | 33 | 43 | 10 | 30 | 29.49 | 30.22 |
| 24 | CLR | NC | | | | 10.00 | | 35 | 21 | 30 | 57 | 9 | 35 | 29.56 | 30.29 |
| SUNRISE: 0505 APR 26 SUNSET: 1901 | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | | 10.00 | | 31 | 20 | 27 | 64 | 6 | 01 | 29.60 | 30.34 |
| 06 | CLR | NC | | | | 10.00 | | 32 | 21 | 28 | 64 | 5 | 01 | 29.61 | 30.34 |
| 09 | CLR | NC | | | | 10.00 | | 41 | 17 | 33 | 38 | 5 | 33 | 29.64 | 30.37 |
| 12 | CLR | NC | | | | 10.00 | | 47 | 14 | 35 | 26 | 6 | VR | 29.61 | 30.35 |
| 15 | CLR | NC | | | | 10.00 | | 51 | 16 | 38 | 25 | 3 | VR | 29.56 | 30.29 |
| 18 | CLR | NC | | | | 10.00 | | 52 | 18 | 39 | 26 | 0 | 00 | 29.51 | 30.24 |
| 21 | OVC | 110 | | | | 10.00 | | 48 | 23 | 38 | 37 | 7 | 11 | 29.52 | 30.24 |
| 24 | OVC | 100 | | | | 10.00 | | 46 | 22 | 37 | 38 | 7 | 10 | 29.50 | 30.22 |
| SUNRISE: 0503 APR 27 SUNSET: 1902 | | | | | | | | | | | | | | | |
| 03 | OVC | 090 | | | | 10.00 | | 45 | 24 | 37 | 44 | 10 | 10 | 29.40 | 30.12 |
| 06 | OVC | 095 | | | | 10.00 | | 45 | 29 | 38 | 54 | 7 | 12 | 29.42 | 30.14 |
| 09 | OVC | 080 | | | | 10.00 | | 46 | 28 | 39 | 50 | 14 | 11 | 29.32 | 30.04 |
| 12 | OVC | 006 | | | | 1.00 | -SN BR | 34 | 33 | 34 | 97 | 15 | 09 | 29.28 | 30.01 |
| 15 | OVC | 017 | | | | 10.00 | UP | 36 | 34 | 35 | 93 | 20 | 11 | 29.03 | 29.75 |
| 18 | OVC | 041 | | | | 1.75 | +RA BR | 38 | 37 | 38 | 97 | 21 | 10 | 28.89 | 29.61 |
| 21 | OVC | 012 | | | | 10.00 | | 41 | 39 | 40 | 93 | 12 | 09 | 28.84 | 29.56 |
| 24 | OVC | 016 | | | | 10.00 | -RA | 41 | 38 | 40 | 89 | 9 | 02 | 28.78 | 29.49 |
| SUNRISE: 0502 APR 28 SUNSET: 1903 | | | | | | | | | | | | | | | |
| 03 | OVC | 018 | | | | 10.00 | | 37 | 35 | 36 | 93 | 10 | 02 | 28.82 | 29.54 |
| 06 | OVC | 012 | | | | 10.00 | | 36 | 35 | 36 | 97 | 16 | 36 | 28.98 | 29.70 |
| 09 | OVC | 024 | | | | 10.00 | | 40 | 33 | 37 | 77 | 16 | 36 | 29.11 | 29.83 |
| 12 | OVC | 024 | | | | 10.00 | | 43 | 34 | 39 | 71 | 13 | 34 | 29.19 | 29.91 |
| 15 | OVC | 029 | | | | 10.00 | | 45 | 35 | 41 | 68 | 13 | 34 | 29.26 | 29.98 |
| 18 | | | | | | 10.00 | | 43 | 34 | 39 | 71 | 9 | 34 | 29.28 | 30.00 |
| 21 | OVC | 029 | | | | 10.00 | | 42 | 34 | 39 | 73 | 7 | 29 | 29.31 | 30.03 |
| 24 | OVC | 033 | | | | 10.00 | | 41 | 34 | 38 | 76 | 6 | 21 | 29.30 | 30.02 |
| SUNRISE: 0500 APR 29 SUNSET: 1904 | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | |
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| 24 | | | | | | | | | | | | | | | |
| SUNRISE: 0459 APR 30 SUNSET: 1906 | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | |
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| 24 | | | | | | | | | | | | | | | |

| HOUR (LST) | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT Okta | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | | WIND | | PRESSURE (INCHES,HG) | | |
|-------------------------|-----------|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|-------------------------|--------------|--|
| | | | | | | | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | |
| SUNRISE: APR 31 SUNSET: | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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.

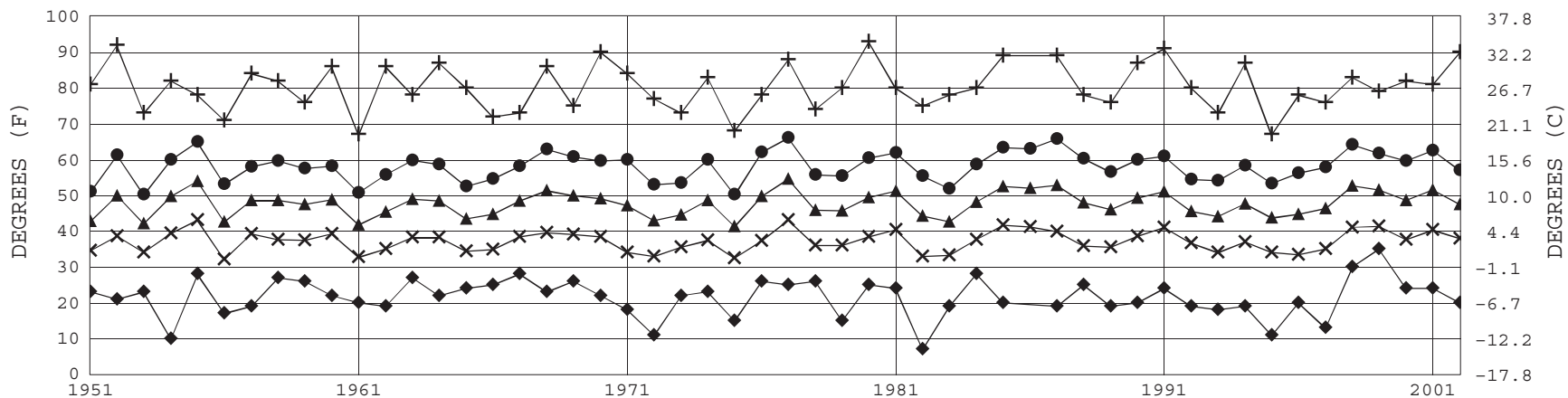
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

| HOUR (LST) | AVERAGES | | | | | | | | | RESULTANT WIND | | |
|------------|------------|-------------|----------|-----------|----------|-------------------|----------------------|-----------|--------------------|------------------|------------|-----------|
| | 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 | | | 44 | 34 | 40 | 70 | 29.31 | 30.03 | 9.71 | 11 | 1 | 19 |
| 02 | | | 43 | 33 | 39 | 71 | 29.31 | 30.02 | 9.41 | 11 | 1 | 16 |
| 03 | | | 42 | 33 | 38 | 73 | 29.31 | 30.03 | 9.46 | 10 | 1 | 18 |
| 04 | | | 42 | 33 | 38 | 73 | 29.31 | 30.03 | 8.99 | 10 | 2 | 21 |
| 05 | | | 41 | 34 | 38 | 76 | 29.32 | 30.04 | 8.88 | 9 | 2 | 22 |
| 06 | | | 41 | 33 | 38 | 75 | 29.33 | 30.05 | 8.74 | 10 | 1 | 20 |
| 07 | | | 43 | 34 | 39 | 73 | 29.34 | 30.06 | 8.79 | 11 | 1 | 17 |
| 08 | | | 44 | 35 | 40 | 73 | 29.34 | 30.06 | 8.77 | 10 | 0 | 0 |
| 09 | | | 45 | 35 | 41 | 69 | 29.34 | 30.06 | 8.86 | 10 | 2 | 21 |
| 10 | | | 47 | 35 | 42 | 65 | 29.34 | 30.05 | 8.99 | 11 | 2 | 22 |
| 11 | | | 48 | 36 | 43 | 64 | 29.34 | 30.06 | 8.57 | 10 | 2 | 24 |
| 12 | | | 50 | 36 | 44 | 63 | 29.33 | 30.04 | 8.35 | 11 | 3 | 24 |
| 13 | | | 51 | 36 | 44 | 59 | 29.32 | 30.03 | 8.47 | 11 | 3 | 25 |
| 14 | | | 53 | 36 | 45 | 57 | 29.30 | 30.01 | 8.63 | 12 | 3 | 24 |
| 15 | | | 54 | 36 | 46 | 55 | 29.29 | 30.00 | 9.18 | 13 | 4 | 26 |
| 16 | | | 54 | 36 | 46 | 55 | 29.28 | 29.99 | 9.28 | 11 | 2 | 25 |
| 17 | | | 53 | 36 | 45 | 55 | 29.28 | 29.99 | 9.18 | 12 | 2 | 24 |
| 18 | | | 52 | 35 | 44 | 57 | 29.28 | 29.99 | 8.99 | 11 | 1 | 25 |
| 19 | | | 50 | 35 | 43 | 61 | 29.28 | 30.00 | 9.04 | 10 | 1 | 20 |
| 20 | | | 49 | 35 | 42 | 62 | 29.29 | 30.01 | 9.07 | 10 | 1 | 30 |
| 21 | | | 48 | 35 | 42 | 64 | 29.30 | 30.02 | 9.46 | 10 | 1 | 26 |
| 22 | | | 47 | 35 | 42 | 67 | 29.31 | 30.02 | 9.54 | 10 | 1 | 23 |
| 23 | | | 46 | 35 | 41 | 69 | 29.31 | 30.03 | 9.50 | 9 | 1 | 21 |
| 24 | | | 45 | 35 | 41 | 71 | 29.31 | 30.03 | 9.38 | 10 | 1 | 19 |

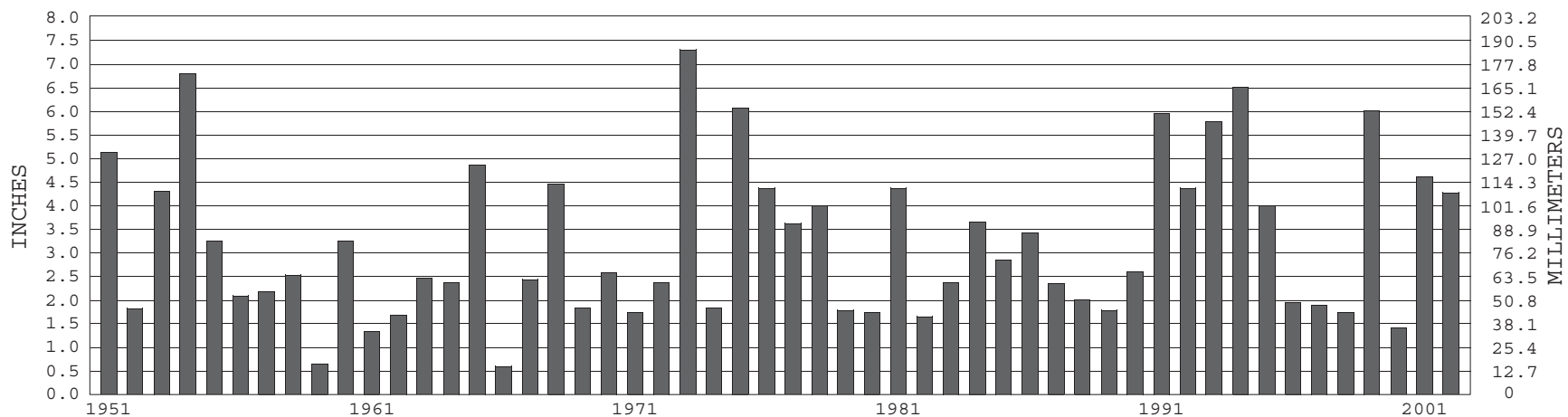
LA CROSSE, WI APRIL TEMPERATURES



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

Long-Term (1951-2002) Mean: 47.7 1961-1990 Normal: 48.4

LA CROSSE, WI APRIL PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.21

1961-1990 Normal: 3.38



APRIL 2002

LA CROSSE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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