

2001

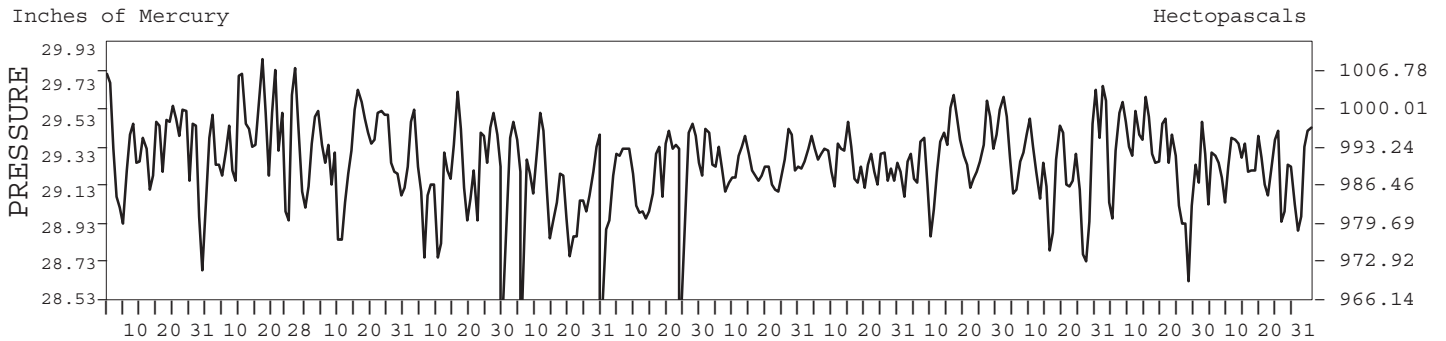
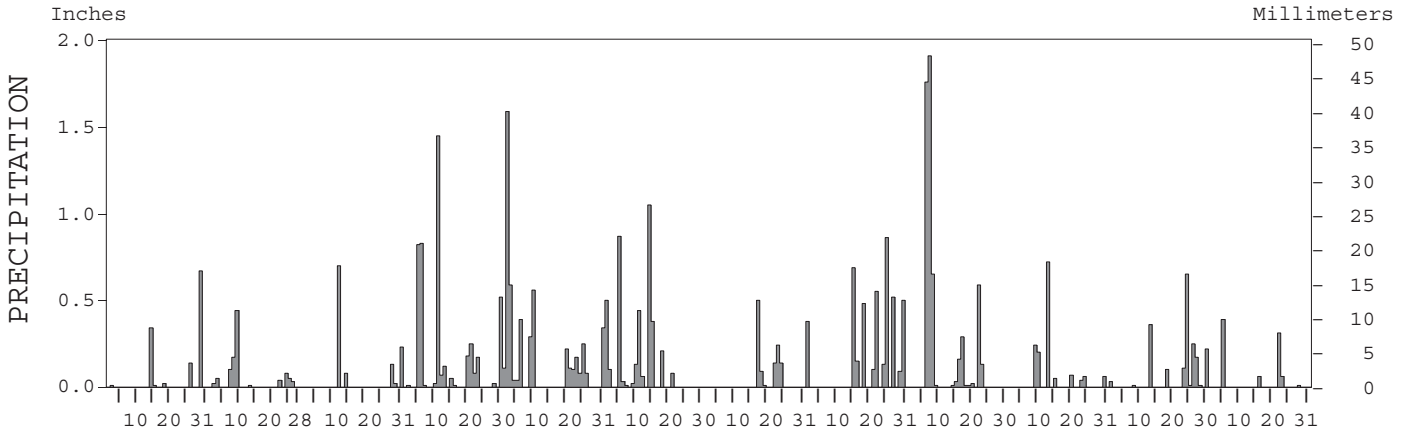
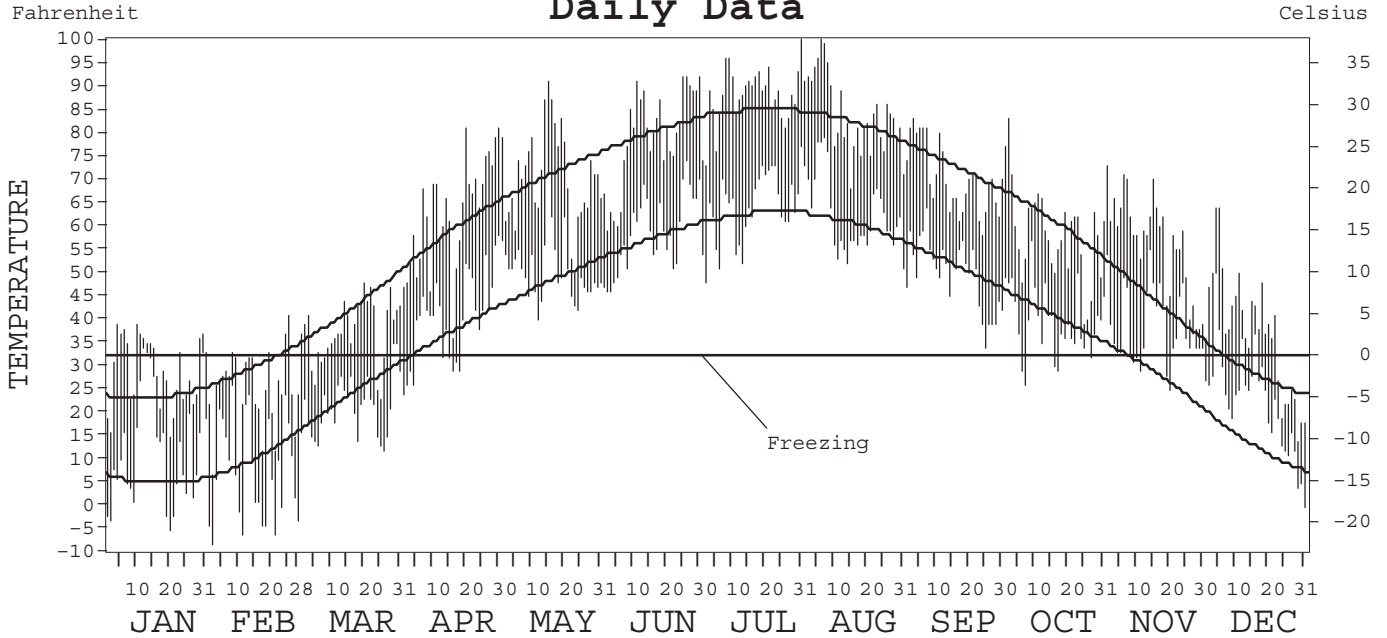
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5701

LA CROSSE, WISCONSIN (LSE)

Daily Data



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Thomas R. Karl

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| NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE | NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA | DIRECTOR NATIONAL CLIMATIC DATA CENTER |
|---|---|---|---|

METEOROLOGICAL DATA FOR 2001

LA CROSSE, WI (LSE)

LATITUDE: 43° 45' 14" N LONGITUDE: 91° 15' 23" W ELEVATION (FT): GRND: 655 BARO: 658 TIME ZONE: CENTRAL (UTC + 6) WBAN: 14920

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 29.1 | 24.8 | 37.7 | 62.6 | 70.7 | 79.2 | 87.6 | 84.0 | 70.3 | 58.4 | 56.4 | 37.1 | 58.2 | |
| | HIGHEST DAILY MAXIMUM | 39 | 41 | 48 | 81 | 91 | 92 | 100 | 100 | 83 | 83 | 73 | 64 | 100 | |
| | DATE OF OCCURRENCE | 10+ | 25 | 20 | 30+ | 15 | 30+ | 31 | 06 | 03 | 02 | 01 | 05+ | AUG 06 | |
| | MEAN DAILY MINIMUM | 12.2 | 7.7 | 21.2 | 40.3 | 50.5 | 58.7 | 63.8 | 62.5 | 49.7 | 39.5 | 38.5 | 22.4 | 38.9 | |
| | LOWEST DAILY MINIMUM | -5 | -8 | 12 | 24 | 40 | 46 | 48 | 51 | 34 | 26 | 25 | 0 | -8 | |
| | DATE OF OCCURRENCE | 20 | 02 | 26 | 01 | 12 | 03+ | 02 | 31 | 25 | 07 | 20 | 31 | FEB 02 | |
| | AVERAGE DRY BULB | 20.7 | 16.3 | 29.5 | 51.5 | 60.6 | 69.0 | 75.7 | 73.3 | 60.0 | 49.0 | 47.5 | 29.8 | 48.6 | |
| | MEAN WET BULB | 20.3 | 15.4 | 26.9 | | | | 67.7 | 67.0 | 55.9 | 44.3 | 43.3 | 27.5 | | |
| | MEAN DEW POINT | 16.2 | 9.7 | 21.0 | | | | 62.7 | 63.5 | 52.6 | 38.5 | 38.2 | 22.9 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 1 | 5 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 27 |
| | MAXIMUM ≤ 32° | 17 | 24 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 57 | |
| MINIMUM ≤ 32° | 28 | 28 | 29 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 27 | 132 | | |
| MINIMUM ≤ 0° | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | | |
| H/C | HEATING DEGREE DAYS | 1367 | 1358 | 1094 | 410 | 177 | 59 | 5 | 6 | 171 | 491 | 518 | 1085 | 6741 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 10 | 48 | 185 | 344 | 269 | 28 | 1 | 0 | 0 | 885 | |
| RH | MEAN (PERCENT) | 79 | 73 | 72 | 66 | 69 | 72 | 66 | 74 | 80 | 69 | 73 | 76 | 72 | |
| | HOUR 00 LST | 83 | 76 | 78 | 74 | 81 | 84 | 80 | 86 | 90 | 74 | 78 | 78 | 80 | |
| | HOUR 06 LST | 84 | 80 | 82 | 80 | 82 | 87 | 84 | 91 | 93 | 82 | 85 | 84 | 84 | |
| | HOUR 12 LST | 76 | 68 | 63 | 57 | 54 | 58 | 52 | 60 | 64 | 60 | 64 | 69 | 62 | |
| | HOUR 18 LST | 76 | 68 | 64 | 53 | 57 | 59 | 49 | 60 | 69 | 63 | 68 | 72 | 63 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 1 | 1 | 4 | 0 | 1 | 4 | 0 | 2 | 4 | 2 | 2 | 0 | 21 | |
| | THUNDERSTORMS | 0 | 0 | 1 | 5 | 3 | 7 | 2 | 7 | 3 | 3 | 2 | 0 | 33 | |
| CLOUDINESS | SUNRISE-SUNSET: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | | | | | | | | | | | | | | | |
| PARTLY CLOUDY | | | | | | | | | | | | | | | |
| CLOUDY | | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESS. (IN.) | 29.35 | 29.46 | 29.34 | 29.25 | | | 29.28 | 29.29 | 29.37 | 29.26 | 29.32 | 29.27 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.11 | 30.23 | 30.09 | | | | 29.95 | 29.97 | 30.07 | 29.97 | 30.03 | 30.01 | | |
| WINDS | RESULTANT SPEED (MPH) | 2.4 | 3.3 | 2.8 | | | | 1.2 | 1.6 | 0.5 | 3.4 | 3.4 | 3.2 | | |
| | RES. DIR. (TENS OF DEGS.) | 25 | 29 | 32 | | | | 11 | 21 | 18 | 23 | 20 | 26 | | |
| | MEAN SPEED (MPH) | 8.0 | 8.6 | 7.9 | | | 8.0 | 7.2 | 7.2 | 6.6 | 9.9 | 8.6 | 9.0 | | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 18 | 29 | 33 | 36 | 36 | 19 | 18 | 20 | 19 | 18 | 19 | 33 | 19 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 35 | 29 | 49 | 29 | 36 | 30 | 36 | 28 | 37 | 30 | 33 | 49 | |
| | DIR. (TENS OF DEGS.) | 22 | 29 | 32 | 22 | 29 | 23 | 34 | 35 | 19 | 30 | 34 | 28 | 22 | |
| | DATE OF OCCURRENCE | 04 | 25 | 23 | 07 | 08 | 19 | 23 | 30 | 22 | 25 | 08 | 05 | APR 07 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 36 | 44 | 32 | 61 | 38 | 54 | 38 | 40 | 33 | 49 | 37 | 40 | 61 | |
| DIR. (TENS OF DEGS.) | 31 | 28 | 33 | 24 | 29 | 02 | 31 | 36 | 20 | 27 | 10 | 20 | 24 | | |
| DATE OF OCCURRENCE | 05 | 25 | 23 | 07 | 08 | 11 | 23 | 30 | 22 | 25 | 26+ | 05 | APR 07 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.19 | 0.99 | 1.16 | 4.61 | 4.96 | 3.88 | 1.12 | 4.45 | 5.58 | 1.44 | 1.92 | 0.83 | 32.13 | |
| | GREATEST 24-HOUR (IN.) | 0.67 | 0.44 | 0.70 | 1.51 | 1.59 | 1.43 | 0.54 | 0.99 | 2.56 | 0.72 | 0.66 | 0.39 | 2.56 | |
| | DATE OF OCCURRENCE | 29 | 09 | 12 | 11-12 | 02 | 14-15 | 17-18 | 24-25 | 07-08 | 13-14 | 24-25 | 05 | SEP 07-08 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 6 | 10 | 5 | 16 | 16 | 13 | 6 | 11 | 13 | 8 | 11 | 5 | 120 | |
| PRECIPITATION ≥ 0.10 | 3 | 3 | 3 | 8 | 12 | 8 | 4 | 10 | 7 | 3 | 7 | 2 | 70 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 4.3 | 6.2 | 8.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 1.0 | 19.7 | |
| | GREATEST 24-HOUR (IN.) | 2.2 | 2.6 | 7.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.6 | 7.5 | |
| | DATE OF OCCURRENCE | 14 | 09 | 12 | 16 | | | | | | 25+ | 30+ | 23 | MAR 12 | |
| | MAXIMUM SNOW DEPTH (IN.) | 13 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | |
| | DATE OF OCCURRENCE | 04+ | 11+ | 13 | | | | | | | | | 31+ | JAN 04+ | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |

NORMALS, MEANS, AND EXTREMES

LA CROSSE, WI (LSE)

LATITUDE: 43° 45' 14" N LONGITUDE: 91° 15' 23" W ELEVATION (FT): GRND: 655 BARO: 658 TIME ZONE: CENTRAL (UTC + 6) WBAN: 14920

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|---|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 23.5 | 29.6 | 42.1 | 58.5 | 70.9 | 79.8 | 84.5 | 81.6 | 72.4 | 60.2 | 43.4 | 28.1 | 56.2 | |
| | MEAN DAILY MAXIMUM | 53 | 24.2 | 30.4 | 41.3 | 58.0 | 70.7 | 79.8 | 84.1 | 81.6 | 72.4 | 60.8 | 43.2 | 29.4 | 56.3 | |
| | HIGHEST DAILY MAXIMUM | 49 | 57 | 64 | 84 | 93 | 94 | 102 | 108 | 105 | 100 | 93 | 75 | 67 | 108 | |
| | YEAR OF OCCURRENCE | | 1981 | 2000 | 1986 | 1980 | 1998 | 1988 | 1995 | 1988 | 1978 | 1963 | 2000 | 1998 | JUL 1995 | |
| | MEAN OF EXTREME MAXS. | 53 | 43.3 | 48.4 | 65.3 | 80.0 | 87.9 | 93.2 | 95.2 | 94.0 | 89.0 | 79.9 | 63.7 | 49.2 | 74.1 | |
| | NORMAL DAILY MINIMUM | 30 | 5.3 | 10.1 | 23.6 | 37.0 | 48.1 | 57.1 | 62.3 | 59.9 | 51.2 | 40.2 | 27.7 | 12.5 | 36.3 | |
| | MEAN DAILY MINIMUM | 53 | 6.0 | 11.3 | 23.0 | 37.1 | 48.7 | 57.8 | 62.5 | 60.5 | 51.3 | 40.7 | 27.5 | 13.9 | 36.7 | |
| | LOWEST DAILY MINIMUM | 50 | -37 | -36 | -28 | 7 | 26 | 37 | 33 | 40 | 28 | 14 | -9 | -30 | -37 | |
| | YEAR OF OCCURRENCE | | 1951 | 1971 | 1962 | 1982 | 1989 | 1978 | 1982 | 1965 | 1967 | 1988 | 1977 | 1983 | JAN 1951 | |
| | MEAN OF EXTREME MINS. | 53 | -18.2 | -13.1 | 1.8 | 21.4 | 33.6 | 44.2 | 50.5 | 48.2 | 35.7 | 24.7 | 9.6 | -9.5 | 19.1 | |
| | NORMAL DRY BULB | 30 | 14.4 | 19.9 | 32.8 | 47.7 | 59.5 | 68.5 | 73.5 | 70.8 | 61.8 | 50.2 | 35.6 | 20.3 | 46.2 | |
| | MEAN DRY BULB | 53 | 15.1 | 20.9 | 32.1 | 47.5 | 59.6 | 68.7 | 73.2 | 71.1 | 61.8 | 50.8 | 35.5 | 21.8 | 46.5 | |
| | MEAN WET BULB | 13 | 16.2 | 19.3 | 30.0 | 41.6 | 52.8 | 62.0 | 61.4 | 60.4 | 52.1 | 41.5 | 29.8 | 19.9 | 40.6 | |
| | MEAN DEW POINT | 13 | 11.0 | 13.2 | 22.9 | 33.0 | 45.5 | 56.6 | 57.4 | 57.0 | 48.4 | 35.9 | 24.6 | 15.5 | 35.1 | |
| | NORMAL NO. DAYS WITH: | MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 3.6 | 7.7 | 4.3 | 0.9 | 0.1 | 0.0 | 0.0 | 17.6 |
| MAXIMUM ≤ 32° | | 30 | 22.3 | 15.6 | 5.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 19.1 | 67.3 | |
| MINIMUM ≤ 32° | | 30 | 30.7 | 27.0 | 24.7 | 10.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.4 | 6.7 | 20.6 | 29.4 | 150.4 | |
| MINIMUM ≤ 0° | | 30 | 12.6 | 7.9 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 6.1 | 28.0 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1569 | 1263 | 998 | 519 | 220 | 36 | 7 | 16 | 131 | 464 | 882 | 1386 | 7491 | |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 50 | 141 | 270 | 196 | 35 | 0 | 0 | 0 | 692 | |
| RH | NORMAL (PERCENT) | 30 | 73 | 72 | 71 | 64 | 65 | 70 | 72 | 75 | 77 | 71 | 75 | 77 | 72 | |
| | HOUR 00 LST | 30 | 76 | 77 | 77 | 73 | 75 | 82 | 85 | 88 | 87 | 79 | 80 | 80 | 80 | |
| | HOUR 06 LST | 30 | 77 | 79 | 81 | 79 | 80 | 85 | 88 | 91 | 92 | 84 | 83 | 82 | 83 | |
| | HOUR 12 LST | 30 | 67 | 65 | 62 | 53 | 52 | 56 | 57 | 60 | 63 | 59 | 67 | 72 | 61 | |
| | HOUR 18 LST | 30 | 70 | 67 | 63 | 53 | 52 | 56 | 58 | 61 | 66 | 64 | 72 | 75 | 63 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG (VISBY ≤ 1/4 MI) | 49 | 1.2 | 1.3 | 1.8 | 0.7 | 0.7 | 1.3 | 1.7 | 3.5 | 3.4 | 1.9 | 1.2 | 1.1 | 19.8 | |
| | THUNDERSTORMS | 49 | 0.1 | 0.3 | 1.2 | 2.9 | 5.3 | 7.7 | 7.3 | 6.9 | 4.4 | 2.1 | 0.6 | 0.2 | 39.0 | |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | 17 | 5.4 | 5.0 | 5.4 | 5.4 | 5.2 | 5.0 | 4.2 | 4.3 | 4.4 | 4.3 | 5.3 | 5.3 | 4.9 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 4 | 3.8 | 3.3 | 4.0 | 4.4 | 3.8 | 3.8 | 2.9 | 3.1 | 3.5 | 3.0 | 4.1 | 3.8 | 3.6 | |
| | MEAN NO. DAYS WITH: CLEAR | 17 | 7.4 | 7.9 | 7.4 | 6.8 | 6.9 | 7.3 | 9.8 | 9.5 | 9.1 | 10.8 | 5.8 | 6.8 | 95.5 | |
| | PARTLY CLOUDY | 17 | 6.9 | 7.1 | 7.1 | 7.1 | 9.1 | 10.4 | 10.9 | 10.6 | 8.9 | 6.9 | 6.1 | 5.8 | 96.9 | |
| CLOUDY | 17 | 16.7 | 13.2 | 16.5 | 16.1 | 15.0 | 12.3 | 10.4 | 10.9 | 11.9 | 13.4 | 18.1 | 18.5 | 173.0 | | |
| PR | MEAN STATION PRESSURE (IN) | 17 | 29.40 | 29.40 | 29.30 | 29.20 | 29.20 | 29.20 | 29.30 | 29.30 | 29.30 | 29.31 | 29.30 | 29.39 | 29.30 | |
| | MEAN SEA-LEVEL PRES. (IN) | 7 | 30.08 | 30.16 | 30.06 | 29.95 | 29.96 | 29.96 | 29.98 | 30.00 | 30.04 | 30.07 | 30.03 | 30.10 | 30.03 | |
| WINDS | MEAN SPEED (MPH) | 42 | 8.9 | 8.8 | 9.5 | 10.7 | 9.6 | 8.6 | 7.7 | 7.4 | 8.3 | 9.3 | 10.0 | 9.0 | 9.0 | |
| | PREVAIL. DIR (TENS OF DEGS) | 28 | 32 | 18 | 32 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 1 | 31 | 35 | 29 | 49 | 29 | 36 | 30 | 36 | 28 | 37 | 30 | 33 | 49 | |
| | DIR. (TENS OF DEGS) | | 22 | 29 | 32 | 22 | 29 | 23 | 34 | 35 | 19 | 30 | 34 | 28 | 22 | |
| | YEAR OF OCCURRENCE | | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | APR 2001 |
| | MAXIMUM 5-SECOND: SPEED (MPH) | 1 | 36 | 44 | 32 | 61 | 38 | 54 | 38 | 40 | 33 | 49 | 37 | 40 | 61 | |
| DIR. (TENS OF DEGS) | | 31 | 28 | 33 | 24 | 29 | 02 | 31 | 36 | 20 | 27 | 10 | 20 | 24 | | |
| YEAR OF OCCURRENCE | | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | 2001 | APR 2001 | |
| PRECIPITATION | NORMAL (IN) | 30 | 0.93 | 0.90 | 1.98 | 2.88 | 3.26 | 3.90 | 3.79 | 3.92 | 3.79 | 2.20 | 1.73 | 1.27 | 30.55 | |
| | MAXIMUM MONTHLY (IN) | 49 | 3.03 | 2.71 | 3.82 | 7.31 | 8.83 | 10.79 | 9.35 | 9.84 | 10.52 | 5.09 | 6.23 | 2.91 | 10.79 | |
| | YEAR OF OCCURRENCE | | 1996 | 1998 | 1951 | 1973 | 1960 | 1993 | 1987 | 1980 | 1965 | 1984 | 1991 | 1990 | JUN 1993 | |
| | MINIMUM MONTHLY (IN) | 49 | 0.14 | 0.05 | 0.30 | 0.60 | 0.94 | 1.33 | 0.16 | 0.54 | 0.42 | 0.02 | T | 0.30 | T | |
| | YEAR OF OCCURRENCE | | 1981 | 1969 | 1978 | 1966 | 1988 | 1989 | 1967 | 1976 | 1952 | 1952 | 1976 | 1962 | NOV 1976 | |
| | MAXIMUM IN 24 HOURS (IN) | 35 | 1.31 | 1.10 | 1.64 | 3.84 | 2.87 | 3.94 | 5.24 | 3.92 | 2.85 | 2.28 | 2.80 | 1.42 | 5.24 | |
| | YEAR OF OCCURRENCE | | 1967 | 1998 | 1966 | 1954 | 2000 | 1967 | 1987 | 1962 | 1992 | 1998 | 1991 | 1990 | JUL 1987 | |
| | NORMAL NO. DAYS WITH: PRECIPITATION ≥ 0.01 | 30 | 8.4 | 7.1 | 9.4 | 10.3 | 10.7 | 10.8 | 9.8 | 9.6 | 10.1 | 8.2 | 7.9 | 8.7 | 111.0 | |
| PRECIPITATION ≥ 1.00 | 30 | * | 0.1 | 0.3 | 0.4 | 0.6 | 0.9 | 0.8 | 1.1 | 1.0 | 0.2 | 0.2 | * | 5.6 | | |
| SNOWFALL | NORMAL (IN) | 30 | 10.9 | 7.9 | 8.2 | 1.6 | T | 0.0 | 0.0 | 0.0 | T | 0.* | 2.9 | 10.2 | 41.7 | |
| | MAXIMUM MONTHLY (IN) | 49 | 35.0 | 31.0 | 33.5 | 17.0 | 0.8 | T | 0.0 | T | T | 1.8 | 30.3 | 30.4 | 35.0 | |
| | YEAR OF OCCURRENCE | | 1996 | 1959 | 1959 | 1973 | 1960 | 1997 | | 1995 | 1994 | 1992 | 1991 | 1990 | JAN 1996 | |
| | MAXIMUM IN 24 HOURS (IN) | 35 | 12.0 | 10.9 | 15.7 | 7.3 | 0.8 | T | 0.0 | T | T | 1.8 | 13.0 | 14.4 | 15.7 | |
| | YEAR OF OCCURRENCE | | 1996 | 1959 | 1959 | 1952 | 1960 | 1997 | | 1995 | 1994 | 1992 | 1991 | 1990 | MAR 1959 | |
| | MAXIMUM SNOW DEPTH (IN) | 52 | 34 | 29 | 31 | 16 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 20 | 34 | |
| | YEAR OF OCCURRENCE | | 1979 | 1979 | 1959 | 1973 | | | | | | 1992 | 1991 | 1968 | JAN 1979 | |
| NORMAL NO. DAYS WITH: SNOWFALL ≥ 1.0 | 30 | 3.5 | 2.5 | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.3 | 13.4 | | |

PRECIPITATION (inches) 2001 LA CROSSE, WI (LSE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1972 | 0.62 | 0.50 | 1.68 | 2.38 | 1.80 | 2.81 | 6.03 | 5.97 | 6.72 | 4.01 | 1.45 | 2.46 | 36.43 |
| 1973 | 0.85 | 1.38 | 3.69 | 7.31 | 6.21 | 4.47 | 2.53 | 8.63 | 3.68 | 2.06 | 1.93 | 1.37 | 44.11 |
| 1974 | 0.40 | 1.65 | 2.13 | 1.83 | 3.50 | 5.30 | 1.76 | 4.20 | 1.40 | 1.91 | 1.11 | 1.39 | 26.58 |
| 1975 | 1.50 | 1.71 | 2.14 | 6.07 | 2.52 | 2.88 | 1.42 | 2.79 | 1.28 | 0.36 | 3.07 | 0.70 | 26.44 |
| 1976 | 0.69 | 0.64 | 2.82 | 4.37 | 2.95 | 1.82 | 2.15 | 0.54 | 0.54 | 0.28 | T | 0.67 | 17.47 |
| 1977 | 0.88 | 0.83 | 2.64 | 3.62 | 3.04 | 3.51 | 4.32 | 2.92 | 4.12 | 1.87 | 1.42 | 1.40 | 30.57 |
| 1978 | 0.76 | 0.68 | 0.30 | 4.01 | 3.97 | 7.02 | 9.17 | 1.20 | 5.12 | 0.80 | 2.35 | 0.93 | 36.31 |
| 1979 | 2.41 | 0.65 | 2.02 | 1.79 | 5.68 | 1.58 | 3.52 | 7.55 | 0.53 | 4.41 | 2.44 | 0.67 | 33.25 |
| 1980 | 1.61 | 0.35 | 0.65 | 1.74 | 2.66 | 3.57 | 2.26 | 9.84 | 8.51 | 2.36 | 0.14 | 0.61 | 34.30 |
| 1981 | 0.14 | 2.10 | 0.60 | 4.37 | 1.88 | 2.60 | 7.66 | 9.56 | 1.77 | 1.89 | 1.08 | 0.86 | 34.51 |
| 1982 | 1.34 | 0.17 | | 1.65 | 4.71 | 1.35 | 1.89 | 2.91 | 2.67 | 2.83 | 3.64 | 2.03 | |
| 1983 | 0.89 | 2.27 | 1.60 | 2.37 | 4.50 | 1.67 | 3.16 | 3.06 | 4.94 | 3.35 | 3.72 | 0.68 | 32.21 |
| 1984 | 0.28 | 0.92 | 1.94 | 3.65 | 2.18 | 7.43 | 3.00 | 2.11 | 2.87 | 5.09 | 1.36 | 2.42 | 33.25 |
| 1985 | 0.88 | 1.27 | 2.66 | 2.85 | 1.08 | 2.82 | 2.39 | 3.21 | 5.63 | | | | |
| 1986 | | 0.77 | 1.91 | 3.42 | 1.49 | 4.04 | 4.79 | 2.38 | 8.10 | 3.68 | 0.95 | 0.38 | |
| 1987 | 1.17 | 0.30 | 2.23 | 2.35 | 4.58 | 2.55 | 9.35 | 3.71 | 2.10 | 0.56 | 2.67 | 1.82 | 33.39 |
| 1988 | 1.09 | 0.19 | 1.89 | 2.01 | 0.94 | 3.25 | 2.39 | 4.60 | 5.21 | 0.64 | 3.48 | 0.78 | 26.47 |
| 1989 | 0.41 | 0.40 | 2.36 | 1.78 | 3.02 | 1.33 | 2.59 | 4.60 | 1.95 | 2.71 | 1.47 | 0.49 | 23.11 |
| 1990 | 0.79 | 0.68 | 3.23 | 2.61 | 3.74 | 8.07 | 4.03 | 8.02 | 1.82 | 1.43 | 0.74 | 2.91 | 38.07 |
| 1991 | 0.93 | 0.46 | 2.23 | 5.96 | 6.85 | 1.72 | 7.67 | 2.91 | 3.90 | 1.76 | 6.23 | 1.67 | 42.29 |
| 1992 | 0.87 | 0.81 | 3.64 | 4.38 | 1.49 | 2.32 | 4.02 | 2.67 | 7.01 | 0.62 | 3.64 | 1.58 | 33.05 |
| 1993 | 1.18 | 1.10 | 2.51 | 5.78 | 5.41 | 10.79 | 3.78 | 5.31 | 1.80 | 0.94 | 1.38 | 0.75 | 40.73 |
| 1994 | 2.24 | 1.65 | 0.37 | 6.51 | 1.49 | 2.74 | 6.29 | 4.84 | 6.51 | 1.99 | 2.05 | 0.71 | 37.39 |
| 1995 | 0.73 | 0.38 | 2.78 | 3.99 | 3.76 | 2.71 | 3.84 | 4.20 | 2.23 | 3.36 | 1.45 | 0.82 | 30.25 |
| 1996 | 3.03 | 0.41 | 2.05 | 1.94 | 1.50 | 5.98 | 2.32 | 2.16 | 1.64 | 2.98 | 4.45 | 1.42 | 29.88 |
| 1997 | 1.81 | 1.16 | 3.05 | 1.89 | 2.38 | 3.12 | 5.46 | 5.55 | 2.43 | 2.42 | 0.24 | 0.64 | 30.15 |
| 1998 | 1.76 | 2.71 | 2.43 | 1.74 | 2.95 | 8.22 | 2.78 | 6.21 | 0.85 | 4.61 | 1.26 | 0.30 | 35.82 |
| 1999 | 2.84 | 0.78 | 0.60 | 6.02 | 4.37 | 2.43 | 8.42 | 2.19 | 2.39 | 1.43 | 1.50 | 0.67 | 33.64 |
| 2000 | 1.43 | 0.91 | 1.35 | 1.40 | 5.82 | 7.54 | 4.39 | 2.47 | 1.64 | 1.04 | 2.41 | 1.90 | 32.30 |
| 2001 | 1.19 | 0.99 | 1.16 | 4.61 | 4.96 | 3.88 | 1.12 | 4.45 | 5.58 | 1.44 | 1.92 | 0.83 | 32.13 |
| POR= 127 YRS | 1.17 | 1.04 | 1.87 | 2.75 | 3.62 | 4.27 | 3.82 | 3.63 | 3.75 | 2.22 | 1.73 | 1.20 | 31.07 |

WBAN : 14920

AVERAGE TEMPERATURE (°F) 2001 LA CROSSE, WI (LSE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972 | 11.1 | 16.1 | 28.0 | 43.0 | 63.4 | 66.5 | 70.3 | 71.1 | 61.3 | 45.9 | 34.4 | 15.7 | 43.9 |
| 1973 | 20.1 | 24.8 | 41.3 | 44.5 | 55.2 | 70.3 | 73.9 | 72.2 | 62.6 | 57.1 | 36.7 | 18.9 | 48.1 |
| 1974 | 18.0 | 19.1 | 32.1 | 48.7 | 55.0 | 65.0 | 75.9 | 68.4 | 56.9 | 50.4 | 37.4 | 26.6 | 46.1 |
| 1975 | 18.1 | 18.7 | 24.5 | 41.4 | 62.3 | 68.9 | 74.0 | 71.7 | 57.4 | 53.0 | 40.0 | 23.7 | 46.1 |
| 1976 | 13.1 | 29.0 | 33.7 | 49.7 | 56.8 | 70.0 | 74.4 | 71.6 | 61.0 | 45.0 | 27.9 | 12.8 | 45.4 |
| 1977 | 2.9 | 22.0 | 39.9 | 54.6 | 67.4 | 68.0 | 75.2 | 66.8 | 61.7 | 49.0 | 33.6 | 17.0 | 46.5 |
| 1978 | 6.7 | 10.8 | 29.1 | 45.9 | 60.0 | 67.4 | 70.6 | 73.5 | 68.3 | 51.0 | 35.8 | 19.9 | 44.9 |
| 1979 | 6.0 | 12.6 | 32.8 | 45.7 | 58.0 | 67.3 | 72.1 | 68.8 | 62.8 | 47.7 | 34.9 | 28.3 | 44.8 |
| 1980 | 18.5 | 17.9 | 29.7 | 49.4 | 62.8 | 70.3 | 78.3 | 74.1 | 63.7 | 45.2 | 36.5 | 20.8 | 47.3 |
| 1981 | 19.5 | 25.3 | 37.7 | 51.2 | 58.4 | 69.1 | 73.6 | 71.4 | 60.8 | 47.6 | 38.0 | 19.6 | 47.7 |
| 1982 | 4.3 | 17.2 | | 44.2 | 62.8 | 63.5 | 74.2 | 70.3 | 60.9 | 50.8 | 34.1 | 27.2 | |
| 1983 | 19.9 | 25.2 | 33.8 | 42.6 | 54.3 | 69.0 | 76.7 | 75.3 | 62.9 | 49.6 | 35.9 | 6.4 | 46.0 |
| 1984 | 14.1 | 30.3 | 27.3 | 48.2 | 55.9 | 69.6 | 71.1 | 72.9 | 59.0 | 52.4 | 35.0 | 21.5 | 46.4 |
| 1985 | 10.9 | 16.5 | 37.2 | 52.5 | 62.0 | 64.5 | 72.1 | 68.4 | 62.2 | | | | |
| 1986 | | 18.4 | 36.4 | 52.1 | 61.9 | 69.1 | 75.0 | 67.5 | 62.5 | 50.9 | 30.2 | 25.1 | |
| 1987 | 21.7 | 31.2 | 39.0 | 52.9 | 63.7 | 72.8 | 77.1 | 70.2 | 63.0 | 45.3 | 40.3 | 27.6 | 50.4 |
| 1988 | 13.4 | 15.8 | 35.0 | 48.0 | 65.2 | 73.4 | 76.6 | 76.0 | 64.6 | 44.6 | 36.6 | 21.8 | 47.6 |
| 1989 | 24.2 | 12.8 | 29.2 | 46.0 | 58.9 | 67.7 | 75.4 | 71.4 | 61.1 | 51.7 | 31.5 | 12.1 | 45.2 |
| 1990 | 28.1 | 25.4 | 38.4 | 49.3 | 56.6 | 69.5 | 73.2 | 72.1 | 65.5 | 49.6 | 41.4 | 19.0 | 49.0 |
| 1991 | | | | 51.0 | 63.9 | 74.3 | 73.2 | 72.7 | 60.5 | 49.0 | 27.3 | 23.8 | |
| 1992 | 23.9 | 30.3 | 33.9 | 45.6 | 61.2 | 66.9 | 68.0 | 66.6 | 48.9 | 33.1 | 23.6 | | |
| 1993 | 16.9 | 18.6 | 30.7 | 44.1 | 59.0 | 66.3 | 71.5 | 71.9 | 56.5 | 48.7 | 33.8 | 25.2 | 45.3 |
| 1994 | 6.0 | 14.9 | 35.7 | 47.7 | 60.7 | 71.8 | 70.8 | 67.5 | 66.0 | 55.2 | 41.6 | 29.0 | 47.2 |
| 1995 | 19.6 | 22.3 | 37.0 | 43.7 | 58.9 | 73.5 | 76.0 | 77.8 | 61.4 | 51.1 | 28.9 | 21.0 | 47.6 |
| 1996 | 11.9 | 19.9 | 28.5 | 44.8 | 57.1 | 69.4 | 71.5 | 72.4 | 64.1 | 51.7 | 29.2 | 19.9 | 45.0 |
| 1997 | 14.7 | 24.8 | 34.0 | 46.4 | 55.0 | 71.2 | 73.0 | 69.2 | 64.0 | 52.9 | 32.8 | 28.9 | 47.2 |
| 1998 | 24.0 | 34.1 | 35.7 | 52.7 | 66.0 | 68.5 | 75.3 | 73.7 | 68.8 | 53.4 | 40.9 | 29.2 | 51.9 |
| 1999 | 14.7 | 31.2 | 37.0 | 51.5 | 63.0 | 70.3 | 77.2 | 70.2 | 61.8 | 49.9 | 43.0 | 27.4 | 49.8 |
| 2000 | 18.1 | 30.6 | 42.5 | 48.7 | 61.7 | 67.9 | 72.5 | 72.1 | 62.7 | 53.5 | 34.0 | 8.7 | 47.8 |
| 2001 | 20.7 | 16.3 | 29.5 | 51.5 | 60.6 | 69.0 | 75.7 | 73.3 | 60.0 | 49.0 | 47.5 | 29.8 | 48.6 |
| POR= 128 YRS | 15.6 | 20.2 | 32.1 | 47.4 | 59.4 | 68.4 | 73.1 | 70.7 | 62.2 | 50.6 | 35.4 | 22.3 | 46.5 |

HEATING DEGREE DAYS (base 65°F) 2001 LA CROSSE, WI (LSE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1972-73 | 21 | 32 | 147 | 586 | 913 | 1523 | 1389 | 1119 | 727 | 608 | 299 | 8 | 7372 |
| 1973-74 | 1 | 7 | 123 | 267 | 844 | 1424 | 1453 | 1279 | 1011 | 490 | 316 | 69 | 7284 |
| 1974-75 | 0 | 24 | 261 | 445 | 822 | 1182 | 1446 | 1292 | 1248 | 702 | 162 | 56 | 7640 |
| 1975-76 | 20 | 2 | 236 | 384 | 741 | 1274 | 1600 | 1039 | 964 | 460 | 254 | 11 | 6985 |
| 1976-77 | 3 | 14 | 176 | 624 | 1104 | 1613 | 1923 | 1200 | 770 | 344 | 66 | 36 | 7873 |
| 1977-78 | 1 | 40 | 122 | 488 | 936 | 1483 | 1804 | 1515 | 1106 | 565 | 209 | 36 | 8305 |
| 1978-79 | 6 | 0 | 78 | 427 | 871 | 1388 | 1828 | 1466 | 992 | 569 | 239 | 29 | 7893 |
| 1979-80 | 1 | 37 | 116 | 535 | 894 | 1133 | 1438 | 1358 | 1085 | 480 | 155 | 15 | 7247 |
| 1980-81 | 0 | 3 | 112 | 607 | 849 | 1362 | 1402 | 1107 | 840 | 408 | 214 | 11 | 6915 |
| 1981-82 | 5 | 7 | 157 | 535 | 802 | 1402 | 1878 | 1333 | | 619 | 112 | 77 | |
| 1982-83 | 0 | 41 | 177 | 433 | 919 | 1164 | 1391 | 1109 | 960 | 666 | 325 | 46 | 7231 |
| 1983-84 | 6 | 0 | 160 | 480 | 867 | 1814 | 1572 | 1002 | 1159 | 501 | 285 | 5 | 7851 |
| 1984-85 | 9 | 6 | 219 | 384 | 893 | 1344 | 1673 | 1355 | 854 | 409 | 129 | 92 | 7367 |
| 1985-86 | 0 | 24 | 203 | | | | | 1298 | 880 | 394 | 141 | 25 | |
| 1986-87 | 1 | 35 | 120 | 431 | 1039 | 1230 | 1336 | 942 | 798 | 372 | 137 | 11 | 6452 |
| 1987-88 | 0 | 28 | 102 | 602 | 733 | 1151 | 1595 | 1421 | 924 | 503 | 85 | 10 | 7154 |
| 1988-89 | 0 | 10 | 78 | 627 | 844 | 1332 | 1257 | 1458 | 1100 | 563 | 218 | 52 | 7539 |
| 1989-90 | 1 | 4 | 159 | 417 | 1000 | 1638 | 1138 | 1102 | 818 | 504 | 267 | 38 | 7086 |
| 1990-91 | 3 | 2 | 112 | 474 | 700 | 1421 | | | | 438 | 176 | 2 | |
| 1991-92 | 5 | 3 | 217 | 490 | 1123 | 1275 | 1268 | 1001 | 958 | 576 | 173 | 59 | 7148 |
| 1992-93 | 22 | 46 | | 498 | 952 | 1274 | 1486 | 1295 | 1057 | 620 | 213 | 55 | |
| 1993-94 | 1 | 10 | 265 | 507 | 929 | 1227 | 1829 | 1399 | 899 | 519 | 175 | 23 | 7783 |
| 1994-95 | 7 | 39 | 76 | 304 | 694 | 1110 | 1400 | 1189 | 862 | 632 | 194 | 24 | 6531 |
| 1995-96 | 5 | 0 | 171 | 436 | 1076 | 1360 | 1641 | 1304 | 1125 | 601 | 277 | 35 | 8031 |
| 1996-97 | 2 | 0 | 121 | 410 | 1068 | 1393 | 1552 | 1120 | 951 | 553 | 304 | 7 | 7481 |
| 1997-98 | 11 | 13 | 80 | 414 | 960 | 1108 | 1268 | 859 | 902 | 366 | 57 | 72 | 6110 |
| 1998-99 | 0 | 0 | 42 | 356 | 714 | 1104 | 1553 | 940 | 861 | 396 | 114 | 40 | 6120 |
| 1999-00 | 0 | 4 | 148 | 459 | 653 | 1158 | 1448 | 992 | 695 | 481 | 161 | 42 | 6241 |
| 2000-01 | 9 | 2 | 141 | 359 | 926 | 1740 | 1367 | 1358 | 1094 | 410 | 177 | 59 | 7642 |
| 2001- | 5 | 6 | 171 | 491 | 518 | 1085 | | | | | | | |

WBAN : 14920

COOLING DEGREE DAYS (base 65°F) 2001 LA CROSSE, WI (LSE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 113 | 112 | 191 | 230 | 39 | 0 | 0 | 0 | 685 |
| 1973 | 0 | 0 | 0 | 0 | 4 | 174 | 283 | 239 | 59 | 28 | 0 | 0 | 787 |
| 1974 | 0 | 0 | 0 | 10 | 15 | 74 | 343 | 137 | 23 | 0 | 0 | 0 | 602 |
| 1975 | 0 | 0 | 0 | 0 | 85 | 177 | 306 | 215 | 16 | 15 | 0 | 0 | 814 |
| 1976 | 0 | 0 | 0 | 5 | 7 | 167 | 304 | 228 | 60 | 10 | 0 | 0 | 781 |
| 1977 | 0 | 0 | 0 | 41 | 145 | 132 | 325 | 100 | 33 | 0 | 0 | 0 | 776 |
| 1978 | 0 | 0 | 0 | 0 | 61 | 116 | 187 | 272 | 183 | 1 | 0 | 0 | 820 |
| 1979 | 0 | 0 | 0 | 0 | 30 | 104 | 226 | 161 | 60 | 3 | 0 | 0 | 584 |
| 1980 | 0 | 0 | 0 | 20 | 96 | 180 | 416 | 293 | 79 | 0 | 0 | 0 | 1084 |
| 1981 | 0 | 0 | 0 | 0 | 19 | 139 | 277 | 211 | 37 | 0 | 0 | 0 | 683 |
| 1982 | 0 | 0 | 0 | 0 | 54 | 38 | 292 | 212 | 60 | 0 | 0 | 0 | |
| 1983 | 0 | 0 | 0 | 1 | 0 | 172 | 375 | 324 | 104 | 12 | 0 | 0 | 988 |
| 1984 | 0 | 0 | 0 | 2 | 8 | 149 | 206 | 257 | 48 | 0 | 0 | 0 | 670 |
| 1985 | 0 | 0 | 0 | 41 | 42 | 84 | 229 | 136 | 126 | | | | |
| 1986 | 0 | 0 | 1 | 13 | 54 | 156 | 319 | 118 | 53 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 16 | 103 | 249 | 383 | 196 | 48 | 0 | 0 | 0 | 995 |
| 1988 | 0 | 0 | 0 | 0 | 101 | 269 | 365 | 360 | 73 | 0 | 0 | 0 | 1168 |
| 1989 | 0 | 0 | 1 | 0 | 38 | 138 | 331 | 212 | 48 | 11 | 0 | 0 | 779 |
| 1990 | 0 | 0 | 0 | 39 | 13 | 181 | 264 | 230 | 134 | 2 | 0 | 0 | 863 |
| 1991 | 0 | 0 | 0 | 24 | 148 | 286 | 267 | 251 | 84 | 0 | 0 | 0 | |
| 1992 | 0 | 0 | 0 | 0 | 59 | 124 | 121 | 102 | | 5 | 0 | 0 | |
| 1993 | 0 | 0 | 0 | 0 | 35 | 100 | 209 | 232 | 14 | 10 | 0 | 0 | 600 |
| 1994 | 0 | 0 | 0 | 9 | 50 | 232 | 193 | 124 | 111 | 5 | 0 | 0 | 724 |
| 1995 | 0 | 0 | 0 | 0 | 13 | 286 | 353 | 405 | 71 | 11 | 0 | 0 | 1139 |
| 1996 | 0 | 0 | 0 | 0 | 38 | 174 | 210 | 236 | 101 | 5 | 0 | 0 | 764 |
| 1997 | 0 | 0 | 0 | 1 | 2 | 202 | 268 | 147 | 54 | 48 | 0 | 0 | 722 |
| 1998 | 0 | 0 | 0 | 3 | 96 | 185 | 326 | 277 | 163 | 2 | 0 | 0 | 1052 |
| 1999 | 0 | 0 | 0 | 0 | 55 | 209 | 384 | 169 | 59 | 0 | 0 | 0 | 876 |
| 2000 | 0 | 0 | 4 | 1 | 66 | 135 | 248 | 228 | 77 | 8 | 2 | 0 | 769 |
| 2001 | 0 | 0 | 0 | 10 | 48 | 185 | 344 | 269 | 28 | 1 | 0 | 0 | 885 |

SNOWFALL (inches) 2001 LA CROSSE, WI (LSE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1972-73 | 0.0 | 0.0 | 0.0 | T | 0.8 | 18.6 | 7.3 | 9.0 | T | 17.0 | 0.0 | 0.0 | 52.7 |
| 1973-74 | 0.0 | 0.0 | 0.0 | 0.0 | T | 9.8 | 2.0 | 14.9 | 7.6 | 0.7 | 0.0 | 0.0 | 35.0 |
| 1974-75 | 0.0 | 0.0 | T | 0.0 | 2.2 | 10.1 | 18.8 | 20.1 | 18.1 | 3.9 | 0.0 | 0.0 | 73.2 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.0 | 8.0 | 2.7 | 6.0 | 0.0 | T | 0.0 | 19.4 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.2 | T | 6.8 | 10.1 | 2.9 | 6.6 | 0.5 | 0.0 | 0.0 | 27.1 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 18.8 | 10.4 | 8.0 | 3.4 | T | 0.0 | 0.0 | 52.6 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 12.0 | 29.7 | 7.3 | 3.0 | 1.0 | 0.0 | 0.0 | 59.6 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | 3.2 | T | 10.7 | 4.1 | 10.1 | 3.9 | 0.0 | 0.0 | 32.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 0.4 | 4.6 | 1.9 | 13.9 | 1.0 | T | 0.0 | 0.0 | 21.8 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.5 | 3.6 | 11.6 | 14.3 | 2.2 | | 0.0 | 0.0 | 0.0 | |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 9.8 | 18.5 | 4.2 | 2.1 | 0.0 | 0.0 | 34.6 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 9.2 | 3.5 | 1.7 | 11.0 | T | 0.0 | 0.0 | 29.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | T | 2.9 | 13.3 | 9.4 | 5.3 | 14.5 | T | 0.0 | 0.0 | 45.4 |
| 1985-86 | 0.0 | 0.0 | T | | | | | 8.2 | T | T | 0.0 | 0.0 | |
| 1986-87 | 0.0 | 0.0 | 0.0 | T | 8.7 | 2.6 | 12.6 | 2.3 | 12.5 | T | 0.0 | 0.0 | 38.7 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | T | 13.3 | 19.1 | 4.2 | 1.2 | T | 0.0 | 0.0 | 37.8 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 7.6 | 5.2 | 3.8 | 7.9 | 19.3 | T | T | 0.0 | 43.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | 8.7 | 5.9 | 10.0 | 7.0 | T | T | 0.0 | 0.0 | 31.6 |
| 1990-91 | 0.0 | 0.0 | 0.0 | T | 0.8 | 30.4 | 12.6 | 2.6 | 0.3 | 2.5 | 0.0 | 0.0 | 49.2 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 1.2 | 30.3 | 8.7 | 5.3 | 7.5 | 11.1 | T | 0.0 | 0.0 | 64.1 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 1.8 | 3.8 | 10.6 | 10.4 | 12.6 | 10.0 | 8.9 | 0.0 | 0.0 | 58.1 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.2 | 4.5 | 2.3 | 21.4 | 18.7 | 0.8 | 1.9 | 0.0 | 0.0 | 49.8 |
| 1994-95 | 0.0 | 0.0 | T | 0.0 | 3.2 | 5.7 | 5.9 | 2.2 | 9.6 | 3.8 | T | 0.0 | 30.4 |
| 1995-96 | 0.0 | T | 0.0 | 0.5 | 6.1 | 8.8 | 35.0 | 1.2 | 5.8 | 3.3 | 0.0 | 0.0 | 60.7 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 11.3 | 11.1 | 10.9 | 20.5 | 3.2 | 0.0 | T | 69.2 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 6.0 | 16.1 | 3.8 | 9.7 | 0.1 | 0.0 | T | 37.5 |
| 1998-99 | 0.0 | T | 0.0 | 0.0 | 0.3 | 4.1 | 31.9 | 2.4 | 5.3 | 0.0 | 0.0 | 0.0 | 44.0 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 4.9 | 9.4 | 5.4 | 3.7 | 1.9 | 0.0 | 0.0 | 25.6 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 25.5 | 4.3 | 6.2 | 8.1 | 0.1 | 0.0 | 0.0 | 47.0 |
| 2001- | 0.0 | 0.0 | 0.0 | T | T | 1.0 | | | | | | | |
| POR= 49 YRS | 0.0 | T | T | 0.1 | 4.0 | 8.9 | 10.9 | 7.6 | 8.8 | 1.8 | 0.3 | 0.0 | 42.4 |

WBAN : 14920

REFERENCE NOTES :

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| <p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p> | <p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
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2001
LA CROSSE,
WISCONSIN (LSE)

The city of La Crosse is situated on the east bank of the Mississippi River at the confluence of the Mississippi, Black, and La Crosse Rivers. The official records are taken at the La Crosse Municipal Airport which is 6 1/2 miles north of the main Post Office, on the north end of French Island. This island is about 6 miles long from north to south and 2 to 4 miles wide with the Mississippi River to the west and the old channel of the Black River to the east. A rather level sandy plain exists on each side of the river extending between the Wisconsin and Minnesota bluffs which rise 450 to 500 feet above the valley floor. The distance from bluff to bluff averages about 5 miles. The Mississippi River bends to the northwest and continues directly southward from the city.

The prevailing winds in the area are from the northwest from January through April and southerly during the remainder of the year. The situation of the city and airport in a natural bowl between the hills results in somewhat colder temperatures at night due to the settling of cooler air. Valley fogs often persist to mid-forenoon. Steepsided hills with narrow valleys are characteristic of most of the surrounding area.

The flow of the Mississippi River is regulated by dams built for the purpose of navigation, but the reservoirs have limited storage capacity. La Crosse is in the area of Pool No. 8 with a mean sea level elevation of 631 feet. When the river reaches an elevation of 639 feet, with open gate operation, there is considerable flooding of land near the river and some industrial sections of the city.

The invigorating continental-type climate results in wide and frequent variations in temperature. General storms moving eastward or northeastward into our area bring warmer weather and supply most of our moisture. These are usually followed by cooler air from Canada. The winters are cold and humid. The summers are warm with moderate humidities, while periods of hot and humid weather occur occasionally, usually lasting from a few days to a week at a time.

Sixty percent of the precipitation falls during the main growing season, extending from May through September. Most of the summer rainfall occurs during scattered thunderstorms. Some damage from heavy rains, high winds, and hail occurs each year, but tornadoes are infrequent and cover very small areas. Snow is frequent and is the predominant form of precipitation in winter. Heavy snow sometimes falls with larger amounts over the ridges. Glaze storms are not numerous since La Crosse is north of the main path of freezing rain.

Farming is diversified with dairying the leading activity. The more important field crops are corn, oats, and hay. Some of the more specialized crops are soybeans, tobacco, small fruits, and cranberries. Commercial apple orchards are numerous across the Mississippi River in Minnesota.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 13 and the average last occurrence in the spring is April 29.

STATION LOCATION

LA CROSSE, WISCONSIN

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATED OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|--|---------------|-------------|---|----------------|----------------|-----------------|-----------|-----------------|----------------------|--------------|-----------------|----------------|----------|------------------|---|---------------------------------|--|
| | | | | | | GROUND | | | | | | | | | | | |
| | | | | | | SEA LEVEL | GROUND | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | WINDHOLE | 8 INCH RAIN GAGE | HYGROMETER | | |
| *NOTE: | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | |
| Brice Prairie Airport Midway, Wisconsin | 12/17/39 | 12/14/50 | | 43°56' | 91°17' | 664 | 29 | 5 | 5 | | 3 | 5 | 4 | | Wind instruments transferred from WBO 2/7/43. | | |
| Municipal Airport La Crosse, Wisconsin | 12/14/50 | 8/25/52 | 3.5 mi. SSE | 43°52' | 91°15' | 653 | 51 | 5 | 5 | | 3 | 5 | 4 | | Office in Fanta-Reed Hangar. | | |
| Administration Building Municipal Airport | 8/25/52 | 10/05/00 | 0.1 mi. NW | 43°52' | 91°15' | 652 b651 | 39 b21 | 6 d | 6 | | | 5 c | 4 | a4 | a. Commissioned 2100' N of thermometer site 11/19/64. b. Effective 11/19/64. FAA operation effective 10/1/68. c. Removed 10/29/69. d. Removed 9/1979. Hours of operation reduced 10/13/85 to 1/11/86. Unpublished period is 10/85 through 1/86. | | |
| Municipal Airport | 10/05/00 | Present | | 43°45' | 91°15' | e655 | | | | | | | | S | ASOS Commissioned 10/05/2000 e. Ground elevation | | |

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* NOTES: For earlier station history see previous editions.