

2002

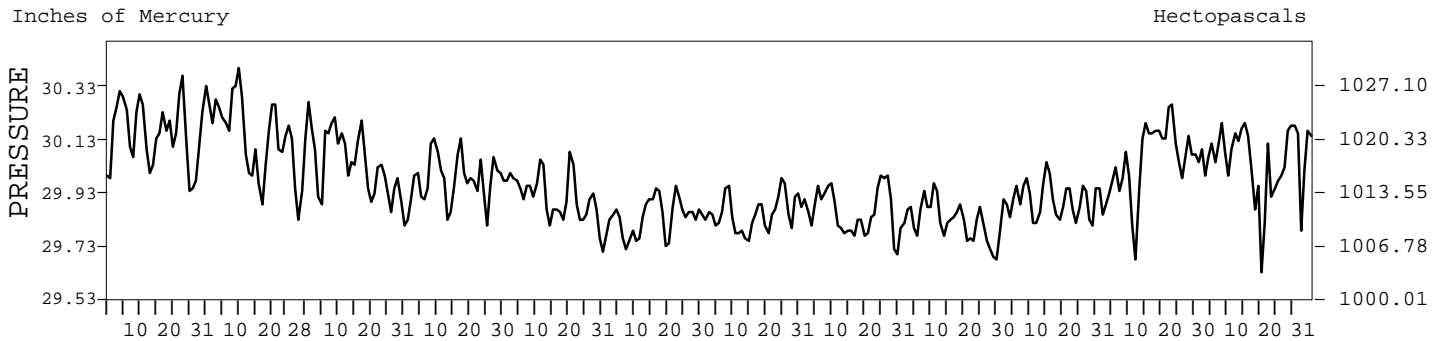
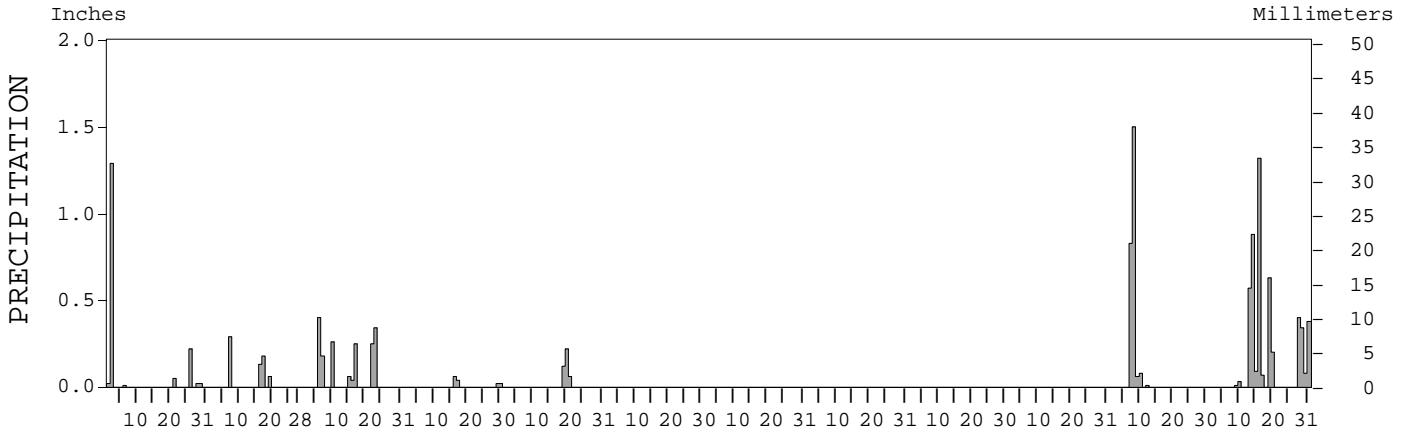
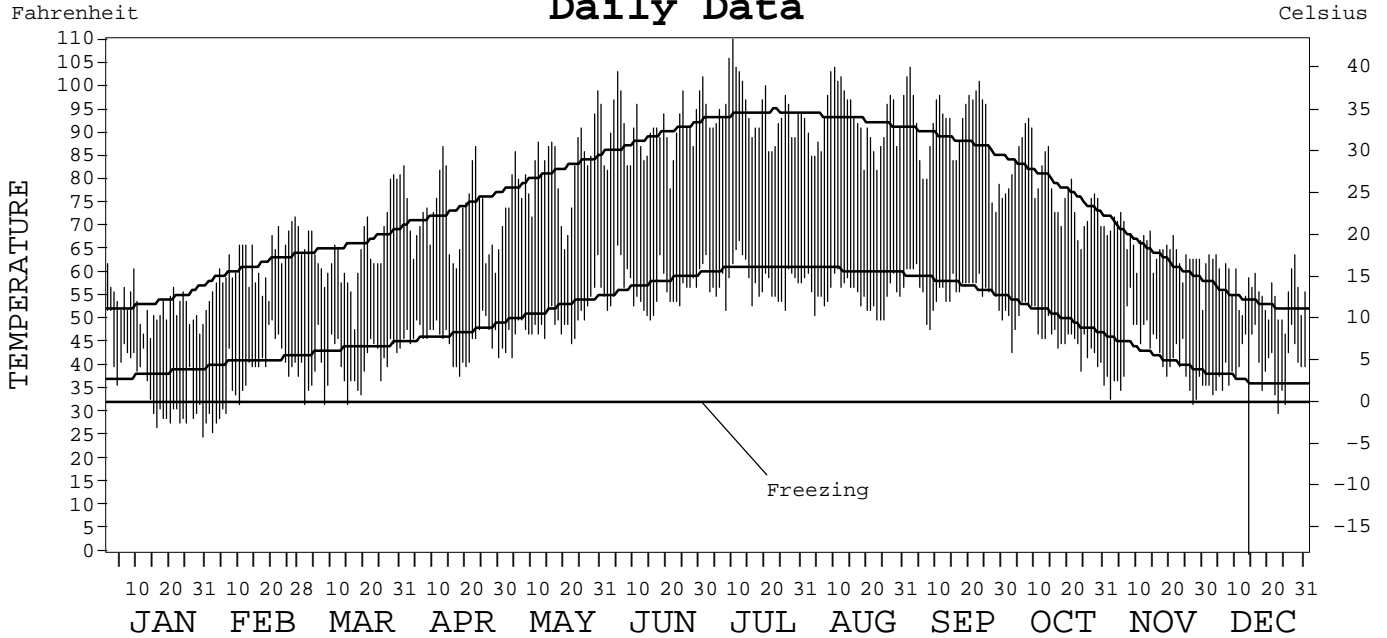
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1013

STOCKTON, CALIFORNIA (SCK)

Daily Data



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 NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE
 NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER
 ASHEVILLE, NORTH CAROLINA
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2002

STOCKTON, CA (SCK)

LATITUDE: 37° 53' 39" N LONGITUDE: 121° 14' 14" W ELEVATION (FT): GRND: 24 BARO: 27 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23237

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 52.8 | 62.5 | 65.3 | 72.0 | 81.6 | 90.2 | 94.9 | 92.6 | 90.6 | 78.2 | 65.3 | 56.8 | 75.2 | |
| | HIGHEST DAILY MAXIMUM | 62 | 72 | 81 | 87 | 99 | 103 | 110 | 104 | 104 | 93 | 73 | 64 | 110 | |
| | DATE OF OCCURRENCE | 01 | 27 | 31+ | 23+ | 30 | 05 | 10 | 10 | 02 | 08 | 05 | 28+ | JUL 10 | |
| | MEAN DAILY MINIMUM | 35.2 | 38.1 | 40.2 | 45.8 | 49.5 | 56.2 | 58.4 | 55.5 | 56.2 | 46.7 | 41.8 | 39.7 | 46.9 | |
| | LOWEST DAILY MINIMUM | 25 | 26 | 32 | 38 | 42 | 50 | 52 | 50 | 48 | 36 | 32 | 30 | 25 | |
| | DATE OF OCCURRENCE | 30 | 02 | 15+ | 18 | 04 | 15 | 26+ | 25+ | 08 | 31 | 27 | 23 | JAN 30 | |
| | AVERAGE DRY BULB | 44.0 | 50.3 | 52.8 | 58.9 | 65.6 | 73.2 | 76.7 | 74.1 | 73.4 | 62.5 | 53.6 | 48.3 | 61.1 | |
| | MEAN WET BULB | 41.7 | 46.5 | 47.4 | 52.0 | 54.8 | 60.1 | | 61.2 | 61.9 | 52.3 | 48.5 | | | |
| | MEAN DEW POINT | 39.1 | 43.1 | 41.9 | 46.2 | 45.6 | 50.7 | | 52.9 | 54.8 | 43.7 | 43.8 | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 4 | 18 | 25 | 20 | 18 | 3 | 0 | 0 | 0 | 88 |
| | MAXIMUM ≤ 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MINIMUM ≤ 32° | 16 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 29 | | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 642 | 406 | 369 | 180 | 57 | 0 | 0 | 0 | 3 | 110 | 337 | 510 | 2614 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 5 | 84 | 252 | 367 | 288 | 264 | 40 | 0 | 0 | 1300 | |
| RH | MEAN (PERCENT) | 86 | 80 | 71 | 67 | 54 | 51 | 54 | 55 | 56 | 57 | 76 | 88 | 66 | |
| | HOUR 04 LST | 95 | 96 | 87 | 87 | 77 | 73 | 75 | 80 | 71 | 75 | 88 | 95 | 83 | |
| | HOUR 10 LST | 87 | 81 | 66 | 58 | 44 | 40 | 45 | 46 | 47 | 51 | 76 | 89 | 61 | |
| | HOUR 16 LST | 69 | 58 | 48 | 46 | 32 | 32 | 39 | 28 | 45 | 33 | 56 | 76 | 47 | |
| | HOUR 22 LST | 90 | 86 | 78 | 76 | 62 | 58 | 53 | 60 | 58 | 63 | 82 | 92 | 72 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 12 | 47 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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.) | 30.16 | 30.15 | 30.05 | 29.98 | 29.92 | 29.84 | 29.86 | 29.86 | 29.83 | 29.90 | 30.07 | 30.05 | 29.97 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.19 | 30.18 | 30.08 | 30.00 | 29.94 | 29.87 | 29.88 | 29.88 | 29.85 | 29.93 | 30.10 | 30.08 | 30.00 | |
| WINDS | RESULTANT SPEED (MPH) | 0.6 | 0.9 | 3.6 | 6.6 | 3.8 | 4.9 | 4.4 | 3.8 | 5.3 | 3.6 | 0.6 | 5.4 | 2.6 | |
| | RES. DIR. (TENS OF DEGS.) | 15 | 30 | 29 | 30 | 30 | 29 | 32 | 30 | 30 | 31 | 21 | 15 | 30 | |
| | MEAN SPEED (MPH) | 5.8 | 5.1 | 7.3 | 8.6 | 9.2 | 10.5 | 8.0 | 7.5 | 7.1 | 5.7 | 5.2 | 8.5 | 7.4 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 13 | 14 | 28 | 30 | 27 | 27 | 31 | 31 | 31 | 32 | 11 | 14 | 31 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 23 | 30 | 30 | 36 | 31 | 29 | 25 | 24 | 24 | 28 | 37 | 41 | 41 | |
| | DIR. (TENS OF DEGS.) | 27 | 34 | 29 | 25 | 28 | 34 | 30 | 26 | 30 | 35 | 15 | 15 | 15 | |
| | DATE OF OCCURRENCE | 21 | 28 | 13+ | 14 | 20 | 09+ | 07 | 20 | 15 | 02+ | 07 | 16+ | DEC 16+ | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 28 | 40 | 38 | 41 | 39 | 37 | 30 | 29 | 30 | 36 | 45 | 51 | 51 | |
| DIR. (TENS OF DEGS.) | 26 | 35 | 23 | 27 | 29 | 33 | 28 | 26 | 26 | 33 | 16 | 15 | 15 | | |
| DATE OF OCCURRENCE | 21 | 28 | 07 | 14 | 20 | 09 | 07 | 20 | 15 | 01 | 07 | 16 | DEC 16 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.63 | 0.66 | 1.78 | 0.14 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | T | 2.48 | 5.00 | 12.09 | |
| | GREATEST 24-HOUR (IN.) | 1.29 | 0.31 | 0.59 | 0.10 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | T | 1.98 | 1.38 | 1.98 | |
| | DATE OF OCCURRENCE | 02 | 16-17 | 22-23 | 16-17 | 19-20 | | | | | 25 | 07-08 | 15-16 | NOV 07-08 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 7 | 4 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 13 | 44 | |
| PRECIPITATION ≥ 0.10 | 2 | 3 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 23 | | |
| PRECIPITATION ≥ 1.00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES

STOCKTON, CA (SCK)

LATITUDE: 37° 53' 39" N LONGITUDE: 121° 14' 14" W ELEVATION (FT): GRND: 24 BARO: 27 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23237

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 53.8 | 61.2 | 66.1 | 73.3 | 81.3 | 88.9 | 93.8 | 92.6 | 88.2 | 78.6 | 64.0 | 53.8 | 74.6 |
| | MEAN DAILY MAXIMUM | 54 | 53.4 | 60.5 | 65.7 | 72.9 | 80.9 | 88.4 | 94.0 | 92.6 | 88.0 | 78.4 | 64.3 | 53.7 | 74.4 |
| | HIGHEST DAILY MAXIMUM | 43 | 71 | 78 | 87 | 100 | 107 | 111 | 114 | 109 | 108 | 101 | 84 | 72 | 114 |
| | YEAR OF OCCURRENCE | | 1981 | 1977 | 1988 | 1981 | 2001 | 1961 | 1972 | 1998 | 1979 | 1980 | 1997 | 1987 | JUL 1972 |
| | MEAN OF EXTREME MAXS. | 54 | 64.6 | 70.4 | 77.6 | 87.4 | 96.9 | 103.7 | 105.7 | 103.9 | 100.5 | 91.9 | 76.7 | 64.8 | 87.0 |
| | NORMAL DAILY MINIMUM | 30 | 38.1 | 41.0 | 43.6 | 46.7 | 52.1 | 57.5 | 60.8 | 60.3 | 57.4 | 50.5 | 42.1 | 36.7 | 48.9 |
| | MEAN DAILY MINIMUM | 54 | 37.6 | 40.6 | 42.6 | 46.1 | 51.7 | 56.9 | 60.5 | 59.9 | 57.2 | 50.3 | 42.3 | 37.4 | 48.6 |
| | LOWEST DAILY MINIMUM | 43 | 19 | 22 | 27 | 32 | 38 | 45 | 49 | 50 | 43 | 33 | 25 | 17 | 17 |
| | YEAR OF OCCURRENCE | | 1963 | 1989 | 1971 | 2001 | 1964 | 1999 | 1999 | 2002 | 1982 | 1972 | 1985 | 1990 | DEC 1990 |
| | MEAN OF EXTREME MINS. | 54 | 26.9 | 30.2 | 33.7 | 37.9 | 43.2 | 49.6 | 52.6 | 53.4 | 49.9 | 40.8 | 31.3 | 27.3 | 39.7 |
| | NORMAL DRY BULB | 30 | 45.0 | 50.5 | 54.1 | 59.3 | 66.7 | 73.3 | 77.7 | 76.8 | 72.7 | 64.6 | 53.0 | 45.0 | 61.6 |
| | MEAN DRY BULB | 54 | 45.7 | 50.6 | 54.2 | 59.5 | 66.3 | 72.6 | 77.3 | 76.3 | 72.6 | 64.3 | 53.3 | 45.6 | 61.5 |
| | MEAN WET BULB | 15 | 41.2 | 43.7 | 48.9 | 50.2 | 53.4 | 57.6 | 60.0 | 60.0 | 57.0 | 53.0 | 50.2 | 40.3 | 51.3 |
| | MEAN DEW POINT | 15 | 38.2 | 38.9 | 42.5 | 41.8 | 43.8 | 47.6 | 50.6 | 50.6 | 48.1 | 44.6 | 44.7 | 36.4 | 44.0 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 7.0 | 14.4 | 23.9 | 21.7 | 13.3 | 2.7 | 0.0 | 0.0 | 83.9 |
| MAXIMUM ≤ 32° | 30 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | 0.1 |
| MINIMUM ≤ 32° | 30 | 8.7 | 2.9 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 8.6 | 22.7 | |
| MINIMUM ≤ 0° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 592 | 391 | 313 | 169 | 54 | 6 | 0 | 0 | 5 | 76 | 348 | 609 | 2563 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 18 | 111 | 254 | 390 | 363 | 247 | 73 | 0 | 0 | 1456 |
| RH | NORMAL (PERCENT) | 30 | 84 | 78 | 70 | 61 | 53 | 49 | 46 | 48 | 52 | 60 | 76 | 84 | 63 |
| | HOUR 04 LST | 30 | 90 | 88 | 84 | 78 | 73 | 68 | 66 | 67 | 69 | 76 | 85 | 90 | 78 |
| | HOUR 10 LST | 30 | 87 | 79 | 67 | 54 | 44 | 42 | 41 | 44 | 48 | 57 | 76 | 86 | 60 |
| | HOUR 16 LST | 30 | 71 | 60 | 51 | 41 | 32 | 28 | 26 | 28 | 30 | 37 | 60 | 71 | 45 |
| | HOUR 22 LST | 30 | 86 | 82 | 75 | 69 | 61 | 56 | 51 | 52 | 57 | 64 | 79 | 86 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 45 | 11.4 | 7.2 | 1.6 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 7.8 | 11.0 | 41.5 |
| | THUNDERSTORMS | 40 | 0.2 | 0.3 | 0.4 | 0.7 | 0.3 | 0.3 | 0.1 | 0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 3.3 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 46 | 5.8 | 5.2 | 4.6 | 3.9 | 2.8 | 1.8 | 1.0 | 1.1 | 1.5 | 2.6 | 4.5 | 5.6 | 3.4 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 21 | 5.4 | 4.6 | 3.9 | 3.2 | 2.1 | 1.7 | 1.0 | 1.1 | 1.5 | 2.3 | 4.3 | 5.1 | 3.0 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 46 | 5.3 | 7.1 | 9.8 | 11.9 | 17.4 | 21.9 | 26.3 | 25.2 | 23.0 | 18.8 | 9.2 | 6.7 | 182.6 | |
| PARTLY CLOUDY | 46 | 6.3 | 6.5 | 8.6 | 8.7 | 8.4 | 5.7 | 3.2 | 3.8 | 4.3 | 5.9 | 8.5 | 6.5 | 76.4 | |
| CLOUDY | 46 | 19.3 | 14.7 | 12.7 | 9.5 | 5.1 | 2.5 | 0.9 | 1.4 | 2.2 | 5.7 | 12.3 | 17.8 | 104.1 | |
| PR | MEAN STATION PRESSURE (IN) | 18 | 30.07 | 30.06 | 30.00 | 29.99 | 29.91 | 29.88 | 29.87 | 29.87 | 29.87 | 29.96 | 30.07 | 30.13 | 29.97 |
| | MEAN SEA-LEVEL PRES. (IN) | 14 | 30.17 | 30.11 | 30.05 | 30.03 | 29.96 | 29.91 | 29.92 | 29.92 | 29.90 | 30.00 | 30.10 | 30.15 | 30.02 |
| WINDS | MEAN SPEED (MPH) | 16 | 6.6 | 6.7 | 7.5 | 8.1 | 8.9 | 9.5 | 8.3 | 7.8 | 7.0 | 6.2 | 5.7 | 6.4 | 7.4 |
| | PREVAIL. DIR (TENS OF DEGS) | 10 | 14 | 14 | 30 | 27 | 27 | 27 | 29 | 29 | 30 | 30 | 14 | 14 | 30 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 6 | 40 | 41 | 32 | 37 | 41 | 34 | 31 | 28 | 31 | 33 | 47 | 41 | 47 |
| | DIR. (TENS OF DEGS) | | 23 | 16 | 14 | 35 | 35 | 26 | 27 | 27 | 30 | 34 | 15 | 15 | 15 |
| | YEAR OF OCCURRENCE | | 1998 | 1998 | 2001 | 1999 | 2001 | 1999 | 1999 | 1999 | 1997 | 2000 | 2001 | 2002 | NOV 2001 |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | |
| SPEED (MPH) | 6 | 46 | 54 | 43 | 44 | 48 | 43 | 38 | 33 | 36 | 40 | 58 | 51 | 58 | |
| DIR. (TENS OF DEGS) | | 22 | 16 | 14 | 35 | 35 | 26 | 27 | 27 | 31 | 33 | 15 | 15 | 15 | |
| YEAR OF OCCURRENCE | | 1998 | 1998 | 2001 | 1999 | 2001 | 1999 | 1999 | 1999 | 1997 | 2000 | 2001 | 2002 | NOV 2001 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.71 | 2.46 | 2.28 | 0.96 | 0.50 | 0.09 | 0.05 | 0.05 | 0.33 | 0.82 | 1.77 | 1.82 | 13.84 |
| | MAXIMUM MONTHLY (IN) | 61 | 7.06 | 8.22 | 6.48 | 3.55 | 3.73 | 0.66 | 0.61 | 0.81 | 3.00 | 2.97 | 6.22 | 8.05 | 8.22 |
| | YEAR OF OCCURRENCE | | 1967 | 1998 | 1982 | 1958 | 1998 | 1964 | 1974 | 1975 | 1959 | 1945 | 1972 | 1955 | FEB 1998 |
| | MINIMUM MONTHLY (IN) | 61 | 0.14 | 0.05 | T | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 |
| | YEAR OF OCCURRENCE | | 1976 | 1964 | 1956 | 1949 | 1982 | 1981 | 1983 | 1982 | 1980 | 1978 | 1995 | 1989 | NOV 1995 |
| | MAXIMUM IN 24 HOURS (IN) | 61 | 3.01 | 2.28 | 1.71 | 1.54 | 1.66 | 0.53 | 0.57 | 0.81 | 2.64 | 1.88 | 2.23 | 3.01 | 3.01 |
| | YEAR OF OCCURRENCE | | 1967 | 1945 | 1968 | 1958 | 1990 | 1964 | 1974 | 1975 | 1959 | 1991 | 1950 | 1955 | JAN 1967 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 8.5 | 8.0 | 8.6 | 5.4 | 1.9 | 0.8 | 0.4 | 0.5 | 1.3 | 3.3 | 7.4 | 8.3 | 54.4 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.6 | 0.3 | 0.3 | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | 2.1 | |
| SNOWFALL | NORMAL (IN) | 30 | 0.0 | 0.* | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.* | 0.0 |
| | MAXIMUM MONTHLY (IN) | 42 | 0.0 | 0.3 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 |
| | YEAR OF OCCURRENCE | | 1976 | 1995 | 1970 | 1994 | | | | | | | | 1988 | FEB 1976 |
| | MAXIMUM IN 24 HOURS (IN) | 42 | 0.0 | 0.3 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 |
| | YEAR OF OCCURRENCE | | 1976 | 1995 | 1970 | 1994 | | | | | | | | 1988 | FEB 1976 |
| | MAXIMUM SNOW DEPTH (IN) | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| YEAR OF OCCURRENCE | | | | | | | | | | | | | | | |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

PRECIPITATION (inches) 2002 STOCKTON, CA (SCK)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1973 | 6.31 | 4.19 | 3.18 | 0.23 | 0.04 | T | 0.00 | 0.00 | 0.08 | 2.08 | 3.66 | 3.87 | 23.64 |
| 1974 | 1.73 | 0.74 | 2.59 | 2.79 | 0.00 | 0.34 | 0.61 | 0.00 | 0.00 | 0.97 | 0.78 | 2.15 | 12.70 |
| 1975 | 0.93 | 2.15 | 3.08 | 0.74 | 0.00 | T | 0.02 | 0.81 | 0.01 | 1.36 | 0.25 | 0.12 | 9.47 |
| 1976 | 0.14 | 1.23 | 0.63 | 1.11 | 0.00 | 0.03 | 0.07 | 0.52 | 0.39 | 0.26 | 0.59 | 0.63 | 5.60 |
| 1977 | 0.83 | 0.79 | 0.95 | 0.50 | 0.80 | 0.00 | 0.01 | 0.00 | 0.55 | 0.02 | 0.86 | 2.46 | 7.77 |
| 1978 | 4.33 | 2.50 | 5.56 | 2.09 | 0.02 | T | 0.00 | 0.00 | 0.47 | 0.00 | 1.70 | 0.58 | 17.25 |
| 1979 | 4.29 | 3.53 | 1.15 | 0.78 | 0.05 | 0.00 | 0.22 | T | 0.00 | 1.36 | 0.99 | 1.76 | 14.13 |
| 1980 | 3.06 | 2.73 | 1.12 | 0.90 | 0.27 | T | 0.50 | 0.00 | 0.00 | 0.06 | 0.04 | 1.22 | 9.90 |
| 1981 | 4.30 | 0.59 | 3.18 | 1.02 | 0.05 | 0.00 | 0.00 | 0.00 | 0.02 | 1.48 | 3.68 | 1.72 | 16.04 |
| 1982 | 3.87 | 2.28 | 6.48 | 1.55 | 0.00 | 0.18 | 0.00 | 0.00 | 2.47 | 2.22 | 3.93 | 2.60 | 25.58 |
| 1983 | 5.80 | 3.49 | 5.10 | 2.10 | 0.16 | 0.02 | 0.00 | T | 1.79 | 0.50 | 4.23 | 3.46 | 26.65 |
| 1984 | 0.22 | 1.20 | 0.65 | 0.37 | 0.01 | 0.06 | T | 0.01 | 0.06 | 1.47 | 3.53 | 1.69 | 9.27 |
| 1985 | 0.67 | 0.85 | 2.21 | 0.13 | 0.00 | 0.22 | 0.05 | 0.01 | 0.07 | 1.25 | 2.49 | 1.72 | 9.67 |
| 1986 | 1.69 | 5.82 | 3.64 | 0.93 | 0.15 | 0.00 | 0.02 | 0.00 | 0.80 | 0.01 | 0.03 | 0.67 | 13.76 |
| 1987 | 2.03 | 3.28 | 2.84 | 0.12 | 0.02 | T | 0.00 | 0.00 | 0.00 | 1.04 | 1.31 | 2.41 | 13.05 |
| 1988 | 1.97 | 0.31 | 0.19 | 1.98 | 0.54 | 0.23 | 0.00 | 0.00 | 0.00 | 0.01 | 1.36 | 2.28 | 8.87 |
| 1989 | 0.37 | 1.07 | 2.16 | 0.07 | 0.07 | 0.21 | 0.00 | T | 2.06 | 0.87 | 1.11 | 0.03 | 8.02 |
| 1990 | 2.23 | 1.30 | 0.86 | 0.52 | 2.33 | 0.00 | T | T | T | 0.20 | 0.45 | 0.91 | 8.80 |
| 1991 | 0.17 | 2.32 | 5.35 | 0.45 | 0.12 | 0.11 | 0.02 | 0.07 | T | 1.98 | 0.34 | 0.76 | 11.69 |
| 1992 | 1.39 | 5.37 | 1.30 | 0.72 | 0.00 | 0.12 | 0.00 | T | 0.00 | 0.52 | 0.20 | 3.49 | 13.11 |
| 1993 | 4.91 | 3.87 | 3.22 | 0.26 | 0.83 | 0.42 | 0.00 | 0.00 | 0.00 | 0.31 | 2.04 | 1.01 | 16.87 |
| 1994 | 1.56 | 2.79 | 0.18 | 1.18 | 1.68 | 0.00 | 0.00 | 0.00 | 0.24 | 0.42 | 2.05 | 1.15 | 11.25 |
| 1995 | 6.88 | 0.38 | 4.90 | 1.16 | 0.55 | 0.08 | T | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 18.24 |
| 1996 | 4.07 | 4.02 | 2.10 | 1.19 | 1.39 | 0.09 | 0.00 | 0.00 | 0.00 | 1.09 | 2.56 | 4.54 | 21.05 |
| 1997 | 4.05 | 0.29 | 0.12 | 0.11 | 0.28 | 0.20 | T | 0.02 | T | 0.22 | 3.76 | 1.94 | 10.99 |
| 1998 | 5.39 | 8.22 | 2.16 | 1.92 | 3.73 | 0.14 | 0.00 | 0.00 | T | 1.02 | 2.31 | 0.30 | 25.19 |
| 1999 | 2.86 | 2.81 | 0.87 | 1.13 | 0.17 | T | 0.00 | 0.00 | 0.08 | 0.08 | 1.70 | 0.30 | 10.00 |
| 2000 | 3.72 | 5.07 | 0.76 | 1.22 | 0.68 | 0.03 | 0.00 | T | 0.08 | 2.68 | 0.20 | 0.40 | 14.84 |
| 2001 | 2.84 | 2.33 | 1.52 | 1.13 | 0.00 | 0.06 | T | 0.00 | 0.25 | 0.28 | 1.98 | 4.99 | 15.38 |
| 2002 | 1.63 | 0.66 | 1.78 | 0.14 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | T | 2.48 | 5.00 | 12.09 |
| POR= 54 YRS | 2.90 | 2.23 | 2.09 | 1.12 | 0.42 | 0.09 | 0.03 | 0.04 | 0.29 | 0.70 | 1.83 | 2.28 | 14.02 |

WBAN : 23237

AVERAGE TEMPERATURE (°F) 2002 STOCKTON, CA (SCK)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1973 | 45.3 | 52.4 | 51.3 | 61.8 | 71.3 | 77.1 | 76.8 | 74.5 | 70.2 | 63.2 | 53.2 | 47.5 | 62.1 |
| 1974 | 47.3 | 48.5 | 54.8 | 58.4 | 66.5 | 75.0 | 78.7 | 76.4 | 75.5 | 65.9 | 51.4 | 44.2 | 61.9 |
| 1975 | 41.7 | 49.3 | 51.3 | 53.6 | 68.0 | 72.4 | 75.8 | 75.0 | 74.4 | 61.5 | 50.8 | 44.7 | 59.9 |
| 1976 | 45.1 | 50.7 | 51.5 | 53.5 | 66.1 | 72.8 | 77.4 | 74.1 | 73.9 | 67.8 | 56.2 | 46.0 | 61.3 |
| 1977 | 43.8 | 53.1 | 53.6 | 65.3 | 63.0 | 76.7 | 79.2 | 78.8 | 72.8 | 66.5 | 55.3 | 50.3 | 63.2 |
| 1978 | 50.4 | 51.9 | 58.6 | 57.7 | 68.9 | 73.1 | 78.5 | 78.4 | 71.9 | 68.3 | 51.5 | 41.7 | 62.6 |
| 1979 | 45.3 | 51.1 | 56.4 | 60.6 | 70.2 | 75.1 | 78.1 | 77.2 | 77.8 | 66.2 | 53.5 | 48.0 | 63.3 |
| 1980 | 49.4 | 54.5 | 53.8 | 60.7 | 66.0 | 70.8 | 79.5 | 76.7 | 71.2 | 65.4 | 54.5 | 45.0 | 62.3 |
| 1981 | 48.2 | 52.6 | 54.0 | 61.7 | 69.2 | 80.5 | 78.0 | 76.7 | 73.8 | 61.3 | 56.0 | 49.4 | 63.5 |
| 1982 | 41.9 | 50.6 | 51.7 | 57.3 | 67.2 | 69.6 | 76.0 | 76.0 | 71.2 | 63.6 | 49.6 | 45.2 | 60.0 |
| 1983 | 44.2 | 52.6 | 55.2 | 56.3 | 66.5 | 73.8 | 75.9 | 79.2 | 76.2 | 67.0 | 52.6 | 50.2 | 62.5 |
| 1984 | 45.5 | 49.0 | 57.2 | 58.2 | 71.0 | 74.2 | 81.8 | 77.8 | 76.9 | 61.3 | 52.0 | 44.0 | 62.4 |
| 1985 | 41.4 | 50.2 | 49.7 | 62.0 | 64.1 | 75.9 | 78.3 | 73.6 | 68.1 | 62.9 | 50.4 | 41.1 | 59.8 |
| 1986 | 51.0 | 54.1 | 57.6 | 59.3 | 66.6 | 72.8 | 75.9 | 76.0 | 67.1 | 64.5 | 55.7 | 45.9 | 62.2 |
| 1987 | 44.9 | 51.2 | 54.4 | 64.1 | 69.7 | 73.6 | 72.8 | 74.9 | 72.7 | 67.8 | 52.8 | 47.1 | 62.2 |
| 1988 | 46.9 | 52.4 | 57.3 | 61.0 | 64.6 | 72.2 | 80.0 | 76.0 | 72.9 | 66.5 | 53.9 | 45.2 | 62.4 |
| 1989 | 43.6 | 47.6 | 56.2 | 63.3 | 66.5 | 72.1 | 77.2 | 74.8 | 70.2 | 63.3 | 53.7 | 42.2 | 60.9 |
| 1990 | 46.5 | 47.4 | 56.1 | 64.1 | 65.9 | 73.2 | 79.0 | 77.7 | | 67.3 | 53.6 | 40.9 | |
| 1991 | 47.0 | 54.6 | 51.6 | 58.5 | 63.5 | 69.9 | 77.9 | 73.9 | 76.2 | 69.6 | 56.3 | 45.8 | 62.1 |
| 1992 | 42.8 | 54.8 | 57.1 | 64.0 | 72.3 | 72.4 | 76.8 | 78.9 | 74.2 | 68.0 | 54.7 | 44.3 | 63.4 |
| 1993 | 45.7 | 50.4 | 59.2 | 60.7 | 66.8 | 73.9 | 77.2 | 76.7 | 74.0 | 66.7 | 53.3 | 44.5 | 62.4 |
| 1994 | 46.0 | 49.0 | 57.8 | 60.8 | 65.4 | 74.1 | 77.3 | 78.3 | 74.0 | 64.1 | 49.1 | 44.6 | 61.7 |
| 1995 | 52.8 | 53.7 | 55.3 | 60.1 | 65.2 | 71.1 | 77.5 | 78.8 | 74.3 | 67.5 | 60.2 | 50.5 | 63.9 |
| 1996 | 48.6 | 54.1 | 56.9 | 62.6 | 68.4 | 75.0 | 81.4 | 79.9 | 72.5 | 63.9 | 54.1 | 50.0 | 64.0 |
| 1997 | 48.2 | 51.4 | 56.9 | 61.7 | 71.0 | 72.1 | 76.3 | 75.5 | 74.7 | 62.7 | 55.9 | 44.4 | 62.6 |
| 1998 | 48.5 | 49.6 | 53.9 | 57.4 | 59.4 | 68.4 | 76.6 | 78.0 | 72.5 | 60.5 | 52.5 | 42.1 | 60.0 |
| 1999 | 44.5 | 48.3 | 50.9 | 57.5 | 63.8 | 71.0 | 73.4 | 73.6 | 72.0 | 65.4 | 55.0 | 46.3 | 60.1 |
| 2000 | 49.7 | 52.1 | 54.8 | 60.9 | 67.0 | 74.7 | 73.9 | 75.1 | 71.8 | 60.7 | 48.5 | 46.3 | 61.3 |
| 2001 | 44.9 | 48.9 | 56.8 | 56.1 | 73.0 | 74.8 | 75.4 | 75.8 | 71.9 | 65.5 | 55.7 | 48.2 | 62.3 |
| 2002 | 44.0 | 50.3 | 52.8 | 58.9 | 65.6 | 73.2 | 76.7 | 74.1 | 73.4 | 62.5 | 53.6 | 48.3 | 61.1 |
| POR= 60 YRS | 45.6 | 50.4 | 54.1 | 59.3 | 66.1 | 72.3 | 77.1 | 75.9 | 72.5 | 64.1 | 53.2 | 45.6 | 61.3 |

HEATING DEGREE DAYS (base 65°F) 2002 STOCKTON, CA (SCK)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1973-74 | 0 | 0 | 0 | 90 | 345 | 533 | 541 | 454 | 309 | 194 | 47 | 0 | 2513 |
| 1974-75 | 0 | 0 | 0 | 60 | 400 | 639 | 716 | 434 | 419 | 335 | 56 | 6 | 3065 |
| 1975-76 | 0 | 1 | 0 | 140 | 420 | 622 | 613 | 408 | 412 | 339 | 42 | 7 | 3004 |
| 1976-77 | 0 | 0 | 0 | 29 | 255 | 581 | 650 | 324 | 348 | 41 | 100 | 0 | 2328 |
| 1977-78 | 0 | 0 | 2 | 41 | 284 | 451 | 449 | 358 | 191 | 212 | 16 | 0 | 2004 |
| 1978-79 | 0 | 0 | 3 | 33 | 398 | 713 | 605 | 384 | 262 | 126 | 27 | 0 | 2551 |
| 1979-80 | 0 | 0 | 0 | 60 | 338 | 518 | 473 | 300 | 345 | 140 | 54 | 3 | 2231 |
| 1980-81 | 0 | 0 | 5 | 107 | 309 | 613 | 512 | 341 | 330 | 137 | 23 | 0 | 2377 |
| 1981-82 | 0 | 0 | 0 | 116 | 263 | 477 | 708 | 396 | 405 | 228 | 35 | 13 | 2641 |
| 1982-83 | 0 | 0 | 9 | 73 | 453 | 607 | 638 | 341 | 297 | 252 | 70 | 0 | 2740 |
| 1983-84 | 0 | 0 | 0 | 12 | 365 | 451 | 595 | 456 | 234 | 203 | 20 | 4 | 2340 |
| 1984-85 | 0 | 0 | 0 | 136 | 383 | 643 | 724 | 408 | 468 | 105 | 64 | 8 | 2939 |
| 1985-86 | 0 | 0 | 22 | 110 | 435 | 734 | 425 | 298 | 221 | 174 | 63 | 0 | 2482 |
| 1986-87 | 0 | 0 | 39 | 50 | 272 | 585 | 615 | 380 | 323 | 75 | 36 | 0 | 2375 |
| 1987-88 | 0 | 0 | 0 | 15 | 360 | 550 | 555 | 361 | 234 | 134 | 96 | 26 | 2331 |
| 1988-89 | 0 | 0 | 2 | 40 | 328 | 607 | 656 | 480 | 268 | 94 | 38 | 2 | 2515 |
| 1989-90 | 0 | 0 | 6 | 94 | 335 | 699 | 565 | 487 | 269 | 65 | 42 | 2 | 2564 |
| 1990-91 | 0 | 0 | 0 | 20 | 336 | 741 | 553 | 284 | 406 | 196 | 99 | 7 | 2377 |
| 1991-92 | 0 | 0 | 0 | 79 | 256 | 585 | 680 | 289 | 237 | 59 | 0 | 2 | 2187 |
| 1992-93 | 0 | 0 | 0 | 20 | 305 | 635 | 594 | 405 | 178 | 141 | 26 | 15 | 2319 |
| 1993-94 | 0 | 0 | 4 | 14 | 346 | 628 | 581 | 442 | 214 | 132 | 58 | 0 | 2419 |
| 1994-95 | 0 | 0 | 0 | 50 | 470 | 623 | 372 | 311 | 296 | 146 | 73 | 19 | 2360 |
| 1995-96 | 0 | 0 | 0 | 19 | 139 | 441 | 502 | 308 | 245 | 115 | 3 | 0 | 1772 |
| 1996-97 | 0 | 0 | 0 | 126 | 320 | 458 | 514 | 374 | 245 | 112 | 7 | 0 | 2156 |
| 1997-98 | 0 | 0 | 0 | 96 | 276 | 632 | 505 | 427 | 340 | 242 | 169 | 9 | 2696 |
| 1998-99 | 0 | 0 | 11 | 134 | 368 | 702 | 630 | 460 | 431 | 240 | 75 | 23 | 3074 |
| 1999-00 | 0 | 0 | 0 | 43 | 293 | 572 | 469 | 369 | 312 | 129 | 61 | 1 | 2249 |
| 2000-01 | 0 | 0 | 1 | 145 | 489 | 574 | 619 | 445 | 249 | 276 | 0 | 0 | 2798 |
| 2001-02 | 0 | 0 | 0 | 50 | 274 | 514 | 642 | 406 | 369 | 180 | 57 | 0 | 2492 |
| 2002- | 0 | 0 | 3 | 110 | 337 | 510 | | | | | | | |

WBAN : 23237

COOLING DEGREE DAYS (base 65°F) 2002 STOCKTON, CA (SCK)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1973 | 0 | 0 | 0 | 28 | 213 | 371 | 375 | 303 | 160 | 41 | 0 | 0 | 1491 |
| 1974 | 0 | 0 | 0 | 6 | 103 | 304 | 433 | 358 | 323 | 96 | 0 | 0 | 1623 |
| 1975 | 0 | 0 | 0 | 0 | 157 | 236 | 341 | 318 | 288 | 36 | 0 | 0 | 1376 |
| 1976 | 0 | 0 | 0 | 0 | 81 | 248 | 392 | 288 | 273 | 121 | 0 | 0 | 1403 |
| 1977 | 0 | 0 | 0 | 55 | 46 | 356 | 446 | 436 | 243 | 95 | 0 | 0 | 1677 |
| 1978 | 0 | 0 | 0 | 1 | 142 | 250 | 425 | 426 | 218 | 142 | 0 | 0 | 1604 |
| 1979 | 0 | 0 | 0 | 0 | 192 | 309 | 412 | 386 | 390 | 104 | 0 | 0 | 1793 |
| 1980 | 0 | 0 | 0 | 18 | 91 | 184 | 456 | 370 | 199 | 126 | 0 | 0 | 1444 |
| 1981 | 0 | 0 | 0 | 48 | 159 | 474 | 411 | 371 | 270 | 9 | 0 | 0 | 1742 |
| 1982 | 0 | 0 | 0 | 2 | 111 | 155 | 348 | 345 | 202 | 37 | 0 | 0 | 1200 |
| 1983 | 0 | 0 | 0 | 0 | 122 | 273 | 347 | 446 | 347 | 79 | 1 | 0 | 1615 |
| 1984 | 0 | 0 | 0 | 6 | 214 | 288 | 527 | 402 | 364 | 27 | 0 | 0 | 1828 |
| 1985 | 0 | 0 | 0 | 20 | 47 | 342 | 422 | 270 | 123 | 48 | 0 | 0 | 1272 |
| 1986 | 0 | 0 | 0 | 10 | 118 | 240 | 341 | 348 | 111 | 43 | 0 | 0 | 1211 |
| 1987 | 0 | 0 | 0 | 54 | 189 | 265 | 251 | 314 | 236 | 112 | 0 | 0 | 1421 |
| 1988 | 0 | 0 | 2 | 22 | 86 | 250 | 473 | 348 | 246 | 93 | 1 | 0 | 1521 |
| 1989 | 0 | 0 | 0 | 50 | 94 | 222 | 389 | 312 | 168 | 48 | 0 | 0 | 1283 |
| 1990 | 0 | 0 | 0 | 45 | 79 | 253 | 440 | 401 | | 99 | 0 | 0 | 1487 |
| 1991 | 0 | 0 | 0 | 9 | 58 | 162 | 407 | 283 | 340 | 227 | 1 | 0 | 1487 |
| 1992 | 0 | 0 | 0 | 35 | 234 | 229 | 373 | 439 | 284 | 118 | 3 | 0 | 1715 |
| 1993 | 0 | 0 | 3 | 20 | 88 | 287 | 388 | 371 | 279 | 73 | 0 | 0 | 1509 |
| 1994 | 0 | 0 | 0 | 11 | 76 | 279 | 390 | 420 | 277 | 28 | 0 | 0 | 1481 |
| 1995 | 0 | 0 | 0 | 7 | 85 | 206 | 392 | 434 | 286 | 100 | 0 | 0 | 1510 |
| 1996 | 0 | 0 | 1 | 49 | 116 | 302 | 516 | 470 | 233 | 98 | 0 | 0 | 1785 |
| 1997 | 0 | 0 | 0 | 20 | 201 | 221 | 358 | 331 | 296 | 31 | 7 | 0 | 1465 |
| 1998 | 0 | 0 | 0 | 20 | 2 | 116 | 369 | 411 | 242 | 2 | 0 | 0 | 1162 |
| 1999 | 0 | 0 | 0 | 19 | 44 | 210 | 269 | 271 | 217 | 66 | 0 | 0 | 1096 |
| 2000 | 0 | 0 | 0 | 11 | 130 | 300 | 285 | 321 | 211 | 20 | 0 | 0 | 1278 |
| 2001 | 0 | 0 | 2 | 15 | 257 | 299 | 330 | 341 | 213 | 69 | 1 | 0 | 1527 |
| 2002 | 0 | 0 | 0 | 5 | 84 | 252 | 367 | 288 | 264 | 40 | 0 | 0 | 1300 |

SNOWFALL (inches) 2002 STOCKTON, CA (SCK)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1973-74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 0.0 | 0.0 | 0.0 | 0.3 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | T |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | T |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002- | | | | | | | | | | | | | |
| POR= 41 YRS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 0.0 | T |

WBAN : 23237

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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2002 STOCKTON, CALIFORNIA (SCK)

Stockton, the county seat of San Joaquin County, is located near the center of the Great Central Valley of California. It is on the southeast corner of the broad delta formed by the confluence of the San Joaquin and Sacramento Rivers. The surrounding terrain is flat, irrigated farm and orchard land, near sea level, with the rivers and canals of the delta controlled by a system of levees.

Approximately 25 miles east and northeast of Stockton lie the foothills of the Sierra Nevada, rising gradually to an elevation of about 1,000 feet. Beyond the foothills, the mountains rise abruptly to the crest of the Sierra, at a distance of about 75 miles, with some peaks here exceeding 9,000 feet in elevation. On a few days during the year, when atmospheric conditions are favorable, the downslope effect of a north or northeast wind can bring unseasonably dry weather to the delta area, but on the whole the Sierra Nevada has little or no effect on the weather of San Joaquin County. The Sierra Nevada does affect the area, however, to the extent that the entire economy of the Great Valley depends upon the water supplied by the melting snows in the mountains.

To the west and southwest, the Coast Range, with peaks above 2,000 feet, form a barrier separating the Great Valley from the marine air which dominates the climate of the coastal communities. Several gaps in the Coast Range in the San Francisco Bay Area, however, permit the passage inland of a sea breeze which fans out into the delta and has a moderating effect on summer heat, with the result that Stockton enjoys slightly cooler summer days than communities in the upper San Joaquin and Sacramento Valleys.

The summer climate in Stockton is characterized by warm, dry days and relatively cool nights with clear skies and no rainfall. Winter brings mild temperatures and relatively light rains with frequent heavy fogs.

The annual rainfall averages about 14 inches, with 90 percent of the precipitation falling from November through April. Thunderstorms are infrequent, occurring on 3 or 4 days a year. Snow is practically unknown in the Stockton area.

In summer, temperatures exceeding 100 degrees can be expected on about 15 days. During these hot afternoons the air is extremely dry, with relative humidities running generally less than 20 percent. Even on these hot days, however, temperatures will fall into the low 60s at night. In winter the nighttime temperature on clear nights will fall to or slightly below freezing, and will rise in the afternoon into the low 50s.

In late autumn and early winter, clear still nights give rise to the formation of dense fogs, which normally settle in during the night and burn off sometime during the day. In December and January, the so-called fog season, under stagnant atmospheric conditions the fog may last for as long as 4 or 5 weeks, with only brief and temporary periods of clearing.

STATION LOCATION

STOCKTON, CALIFORNIA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS | |
|---|---------------|-------------|---|-------------------|-------------------|-----------------|------|-----------------|----------------------|--------------|-----------------|----------------|--------------------|------------------|----------------|---|--|-------------|
| | | | | | | SEA LEVEL | | GROUND | | | | | | | | | | TEMPERATURE |
| | | | | | | GROUND | SITE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TRAINING GAUGE | WEIGHING RAIN GAGE | 8 INCH RAIN GAGE | HYGROMETER | | | |
| *NOTE: | | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | | |
| Terminal Building Metropolitan Airport | 10/10/63 | 11/01/96 | 1/4 mi. NW | 37° 54' | 121° 15' | 22 | d20 | | e32 | | | | f5 | 33 | d5 g5 h5 | d. Not moved from original site. e. Standby equipment. f. Added 10/11/74. g. Minor move 1/19/79. h. Type change 7/2/85. | | |
| Metropolitan Airport | 11/01/96 | Present | NA | 37° 54' | 121° 14' | i24 | | | | | | | | | S | ASOS Commissioned 11/01/96 i. Ground elevation. | | |

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* NOTES: For earlier station history see previous editions.