

1997

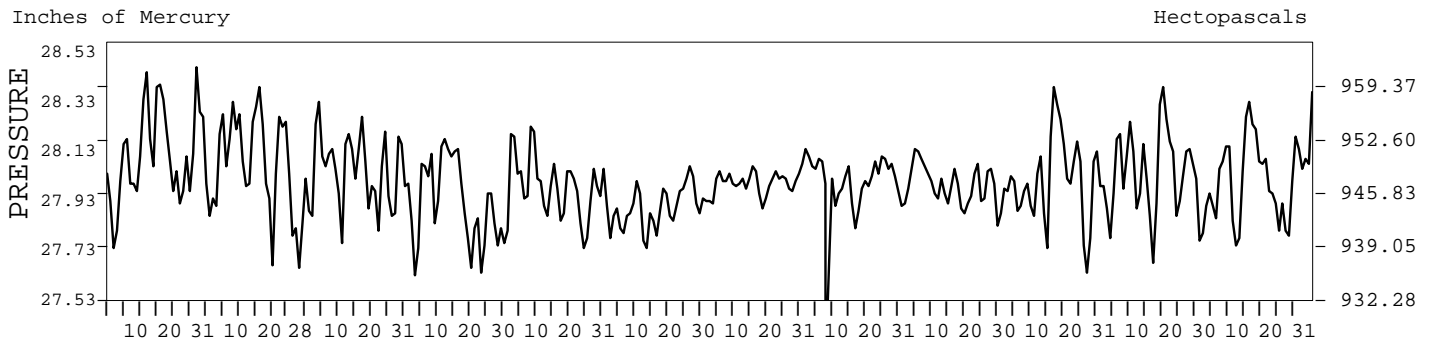
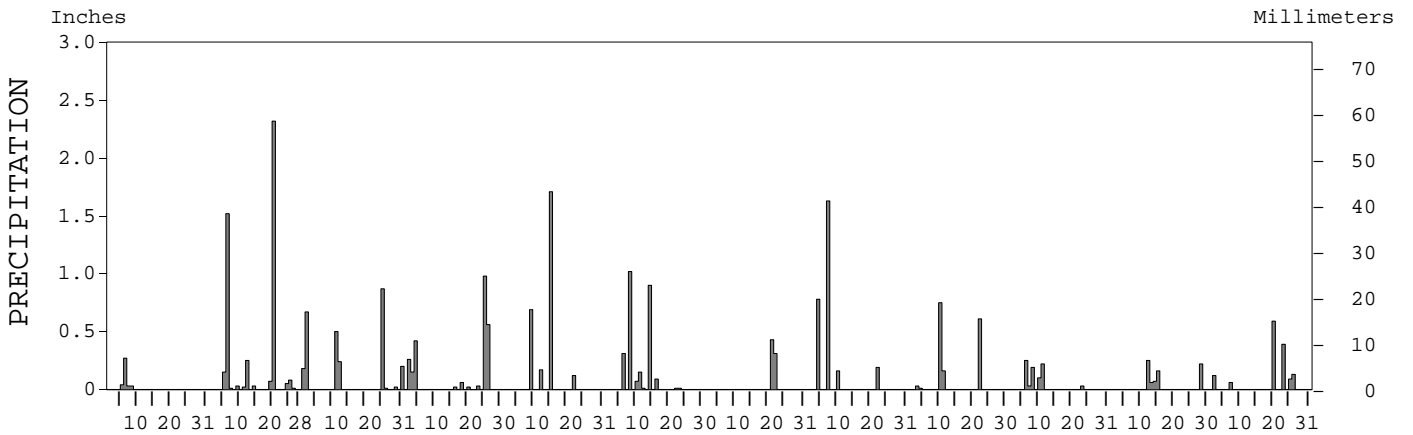
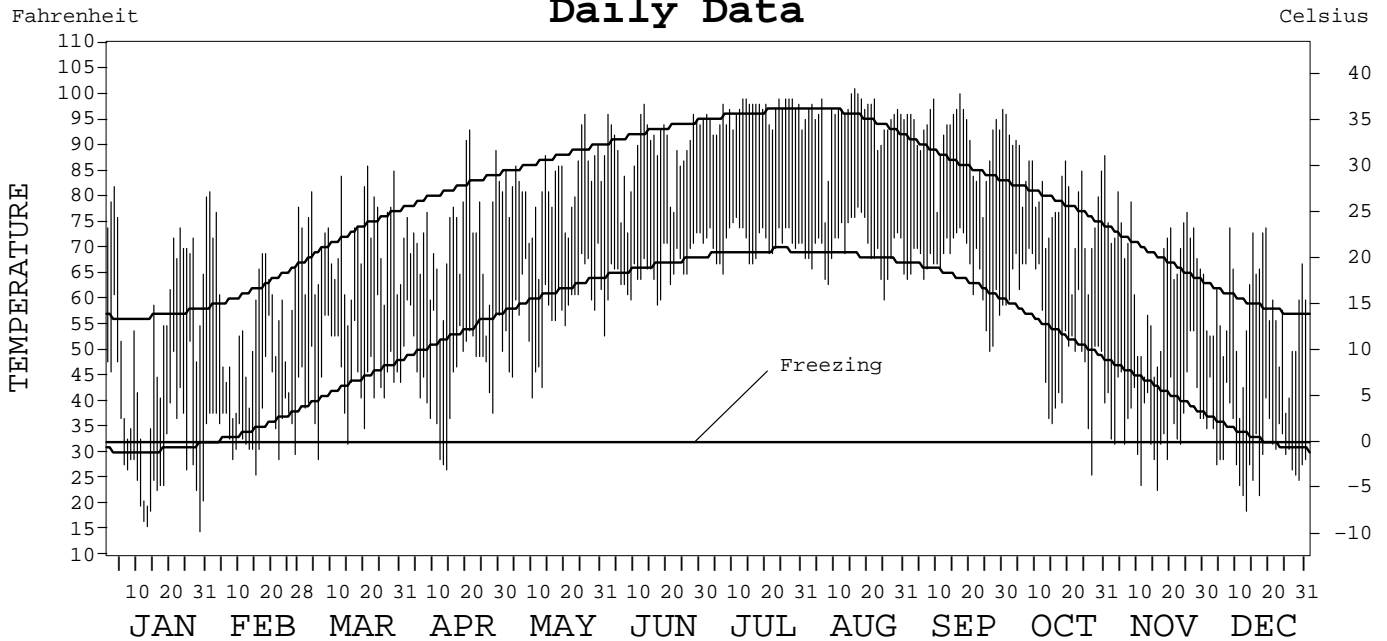
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5175

SAN ANGELO,
TEXAS (SJT)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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

Jenneth A. Schickel
ACTING DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1997

SAN ANGELO, TX (SJT)

LATITUDE: 31° 21' 05" N LONGITUDE: 100° 29' 38" W ELEVATION (FT): GRND: 1903 BARO: 1909 TIME ZONE: CENTRAL (UTC+ 6) WBAN: 23034

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|--------|-----------|-----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 55.9 | 56.8 | 70.8 | 71.9 | 81.8 | 88.9 | 96.4 | 95.3 | 91.5 | 80.1 | 65.4 | 56.8 | 76.0 | |
| | HIGHEST DAILY MAXIMUM | 82 | 81 | 86 | 93 | 96 | 98 | 99 | 101 | 100 | 96 | 81 | 74 | 101 | |
| | DATE OF OCCURRENCE | 03 | 01 | 21 | 21 | 26 | 13 | 28+ | 16 | 17 | 01 | 04 | 19+ | AUG 16 | |
| | MEAN DAILY MINIMUM | 31.9 | 36.5 | 45.5 | 46.4 | 57.4 | 65.4 | 71.2 | 70.1 | 65.6 | 52.9 | 37.3 | 31.0 | 50.9 | |
| | LOWEST DAILY MINIMUM | 15 | 26 | 29 | 27 | 41 | 53 | 65 | 60 | 50 | 26 | 23 | 19 | 15 | |
| | DATE OF OCCURRENCE | 29 | 15 | 06 | 14 | 10 | 01 | 07 | 25 | 26 | 27 | 16 | 13 | JAN 29 | |
| | AVERAGE DRY BULB | 43.9 | 46.7 | 58.2 | 59.2 | 69.6 | 77.2 | 83.8 | 82.7 | 78.6 | 66.5 | 51.4 | 43.9 | 63.5 | |
| | MEAN WET BULB | 37.2 | 42.0 | 50.9 | 52.6 | 62.2 | 68.6 | 70.2 | | 66.7 | 56.5 | 45.1 | 37.8 | | |
| | MEAN DEW POINT | 28.9 | 36.6 | 44.6 | 47.0 | 57.3 | 64.3 | 63.5 | | 60.5 | 48.1 | 38.2 | 30.2 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 2 | 3 | 16 | 31 | 28 | 21 | 5 | 0 | 0 | 0 | 106 |
| | MAXIMUM ≤ 32° | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | MINIMUM ≤ 32° | 18 | 9 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 20 | 63 | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 653 | 506 | 212 | 200 | 32 | 0 | 0 | 0 | 0 | 98 | 403 | 646 | 2750 | |
| | COOLING DEGREE DAYS | 7 | 0 | 9 | 32 | 184 | 373 | 593 | 555 | 412 | 151 | 0 | 0 | 2316 | |
| RH | MEAN (PERCENT) | 63 | 73 | 65 | 68 | 69 | 69 | 55 | 57 | 59 | 58 | 66 | 65 | 64 | |
| | HOUR 00 LST | 69 | 79 | 77 | 76 | 79 | 80 | 63 | 61 | 66 | 65 | 77 | 74 | 72 | |
| | HOUR 06 LST | 77 | 86 | 83 | 85 | 89 | 90 | 80 | 82 | 83 | 81 | 87 | 82 | 84 | |
| | HOUR 12 LST | 53 | 64 | 52 | 57 | 57 | 55 | 41 | 44 | 46 | 45 | 50 | 53 | 51 | |
| | HOUR 18 LST | 48 | 60 | 51 | 54 | 48 | 49 | 35 | 38 | 41 | 41 | 51 | 52 | 47 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | |
| | THUNDERSTORMS | 0 | 4 | 2 | 4 | 6 | 7 | 3 | 4 | 4 | 1 | 1 | 1 | 37 | |
| 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.) | 28.11 | 28.08 | 28.05 | 27.93 | 27.98 | 27.90 | 28.01 | | 27.99 | 28.00 | 28.04 | 28.04 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.15 | 30.10 | 30.04 | 29.91 | 29.94 | 29.84 | 29.94 | | 29.94 | 29.97 | 30.05 | 30.06 | | |
| WINDS | RESULTANT SPEED (MPH) | 2.3 | 1.1 | 0.2 | 1.1 | 2.8 | 3.8 | 3.5 | | 1.8 | 3.6 | 1.2 | 3.2 | | |
| | RES. DIR. (TENS OF DEGS.) | 26 | 07 | 26 | 09 | 08 | 16 | 09 | | 12 | 19 | 24 | 28 | | |
| | MEAN SPEED (MPH) | 10.3 | 8.7 | 8.7 | 10.2 | 8.8 | 8.4 | 8.3 | 7.2 | 7.4 | 8.9 | 7.6 | 9.2 | 8.6 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 03 | 04 | 18 | 14 | 17 | 18 | 18 | 17 | 18 | 18 | 20 | 26 | 18 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 32 | 48 | 38 | 34 | 37 | 34 | 33 | 30 | 24 | 33 | 32 | 36 | 48 | |
| | DIR. (TENS OF DEGS.) | 25 | 20 | 01 | 01 | 01 | 26 | 20 | 28 | 20 | 24 | 18 | 26 | 20 | |
| | DATE OF OCCURRENCE | 23 | 20 | 29 | 22+ | 09 | 16 | 04 | 19 | 22 | 23 | 27 | 09+ | FEB 20 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 39 | 63 | 44 | 45 | 43 | 46 | 43 | 37 | 31 | 44 | 43 | 43 | 63 | |
| DIR. (TENS OF DEGS.) | 27 | 23 | 01 | 22 | 01 | 27 | 20 | 28 | 20 | 25 | 19 | 25 | 23 | | |
| DATE OF OCCURRENCE | 04 | 20 | 29+ | 04 | 09 | 16 | 04 | 19 | 22 | 23 | 27 | 09+ | FEB 20 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.37 | 4.54 | 2.69 | 2.50 | 2.69 | 2.57 | 0.74 | 2.76 | 1.56 | 0.82 | 0.76 | 1.38 | 23.38 | |
| | GREATEST 24-HOUR (IN.) | 0.27 | 2.34 | 0.87 | 1.21 | 1.71 | 1.02 | 0.43 | 1.63 | 0.91 | 0.31 | 0.25 | 0.59 | 2.34 | |
| | DATE OF OCCURRENCE | 06 | 19-20 | 25 | 25-26 | 15 | 08 | 21 | 07 | 10-11 | 10-11 | 12 | 20 | FEB 19-20 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 4 | 12 | 8 | 9 | 4 | 9 | 2 | 4 | 5 | 6 | 5 | 6 | 74 | |
| PRECIPITATION ≥ 0.10 | 1 | 4 | 6 | 5 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 44 | | |
| PRECIPITATION ≥ 1.00 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | | |
| 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

SAN ANGELO, TX (SJT)

LATITUDE: 31° 21' 05" N LONGITUDE: 100° 29' 38" W ELEVATION (FT): GRND: 1903 BARO: 1909 TIME ZONE: CENTRAL (UTC+ 6) WBAN: 23034

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 56.8 | 62.0 | 72.6 | 81.2 | 87.4 | 92.7 | 96.2 | 95.3 | 86.8 | 78.8 | 68.2 | 59.0 | 78.1 |
| | MEAN DAILY MAXIMUM | 50 | 58.2 | 63.1 | 71.1 | 79.6 | 86.1 | 92.3 | 95.4 | 94.6 | 87.4 | 78.9 | 67.5 | 60.5 | 77.9 |
| | HIGHEST DAILY MAXIMUM | 50 | 90 | 97 | 97 | 103 | 107 | 110 | 111 | 109 | 107 | 100 | 93 | 91 | 111 |
| | YEAR OF OCCURRENCE | | 1969 | 1996 | 1974 | 1972 | 1989 | 1994 | 1960 | 1986 | 1952 | 1951 | 1980 | 1954 | JUL 1960 |
| | MEAN OF EXTREME MAXS. | 50 | 78.5 | 82.8 | 87.8 | 93.9 | 98.8 | 101.2 | 102.2 | 101.9 | 97.8 | 91.9 | 83.9 | 78.7 | 91.6 |
| | NORMAL DAILY MINIMUM | 30 | 30.6 | 34.7 | 43.5 | 52.7 | 61.1 | 66.4 | 69.1 | 68.4 | 64.0 | 53.6 | 42.6 | 33.0 | 51.6 |
| | MEAN DAILY MINIMUM | 50 | 32.4 | 36.6 | 43.5 | 52.5 | 61.2 | 68.5 | 71.3 | 70.6 | 64.1 | 53.7 | 41.9 | 34.5 | 52.6 |
| | LOWEST DAILY MINIMUM | 50 | 5 | -1 | 8 | 25 | 35 | 48 | 56 | 54 | 37 | 26 | 13 | -4 | -4 |
| | YEAR OF OCCURRENCE | | 1982 | 1985 | 1980 | 1973 | 1967 | 1964 | 1990 | 1992 | 1989 | 1997 | 1979 | 1989 | DEC 1989 |
| | MEAN OF EXTREME MINS. | 50 | 15.7 | 19.0 | 24.8 | 34.3 | 45.9 | 57.9 | 63.9 | 62.5 | 49.7 | 36.8 | 24.6 | 18.1 | 37.8 |
| | NORMAL DRY BULB | 30 | 43.7 | 48.4 | 58.1 | 67.0 | 74.2 | 79.5 | 82.7 | 81.9 | 75.4 | 66.2 | 55.4 | 46.0 | 64.9 |
| | MEAN DRY BULB | 50 | 45.3 | 49.9 | 57.3 | 66.2 | 73.6 | 80.4 | 83.3 | 82.6 | 75.7 | 66.3 | 54.6 | 47.4 | 65.2 |
| | MEAN WET BULB | 14 | 38.7 | 42.7 | 48.4 | 54.8 | 63.6 | 68.9 | 69.6 | 69.5 | 65.3 | 57.4 | 47.6 | 41.0 | 55.6 |
| | MEAN DEW POINT | 14 | 30.6 | 34.6 | 39.1 | 45.3 | 57.0 | 63.5 | 62.8 | 63.2 | 60.1 | 51.1 | 40.8 | 34.0 | 48.5 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | * | 0.1 | 1.0 | 5.0 | 11.7 | 21.0 | 26.8 | 26.2 | 12.4 | 2.6 | 0.2 | 0.0 | 107.0 | |
| MAXIMUM ≤ 32° | 30 | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 2.8 | |
| MINIMUM ≤ 32° | 30 | 17.7 | 10.8 | 4.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.1 | 14.7 | 53.3 | |
| MINIMUM ≤ 0° | 30 | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 660 | 465 | 247 | 70 | 7 | 0 | 0 | 0 | 6 | 71 | 299 | 589 | 2414 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 33 | 130 | 292 | 435 | 549 | 524 | 318 | 108 | 11 | 0 | 2400 |
| RH | NORMAL (PERCENT) | 30 | 61 | 60 | 54 | 54 | 60 | 59 | 54 | 57 | 65 | 65 | 64 | 63 | 60 |
| | HOUR 00 LST | 30 | 68 | 67 | 61 | 62 | 68 | 67 | 60 | 63 | 73 | 74 | 73 | 71 | 67 |
| | HOUR 06 LST | 30 | 75 | 76 | 72 | 74 | 81 | 81 | 77 | 78 | 84 | 83 | 80 | 78 | 78 |
| | HOUR 12 LST | 30 | 51 | 50 | 44 | 43 | 49 | 49 | 44 | 45 | 54 | 52 | 51 | 51 | 49 |
| | HOUR 18 LST | 30 | 47 | 43 | 36 | 36 | 42 | 41 | 37 | 40 | 49 | 50 | 51 | 51 | 44 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 50 | 1.4 | 1.2 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.3 | 0.6 | 1.4 | 1.4 | 7.5 |
| | THUNDERSTORMS | 50 | 0.6 | 1.3 | 2.3 | 4.3 | 7.3 | 5.6 | 4.1 | 4.8 | 3.8 | 2.7 | 1.0 | 0.5 | 38.3 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 48 | 4.4 | 4.2 | 4.1 | 4.1 | 4.2 | 3.4 | 3.4 | 3.2 | 3.6 | 3.3 | 3.6 | 4.1 | 3.8 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 32 | 4.1 | 4.0 | 3.7 | 3.6 | 3.9 | 3.3 | 2.9 | 3.0 | 3.4 | 3.0 | 3.4 | 3.8 | 3.5 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 48 | 11.8 | 10.7 | 11.9 | 11.3 | 10.7 | 13.6 | 14.6 | 15.2 | 13.4 | 15.4 | 13.5 | 12.2 | 154.3 | |
| PARTLY CLOUDY | 48 | 6.0 | 6.3 | 7.7 | 8.0 | 10.1 | 10.4 | 9.8 | 9.9 | 8.4 | 7.2 | 6.3 | 6.7 | 96.8 | |
| CLOUDY | 48 | 13.1 | 11.2 | 11.4 | 10.7 | 10.3 | 6.0 | 6.6 | 5.9 | 8.2 | 8.4 | 10.1 | 12.1 | 114.0 | |
| PR | MEAN STATION PRESSURE (IN) | 25 | 28.12 | 28.07 | 27.98 | 27.95 | 27.92 | 27.96 | 28.01 | 28.02 | 28.03 | 28.06 | 28.07 | 28.11 | 28.02 |
| | MEAN SEA-LEVEL PRES. (IN) | 14 | 30.13 | 30.06 | 29.98 | 29.89 | 29.87 | 29.87 | 29.93 | 29.94 | 29.97 | 30.01 | 30.06 | 30.12 | 29.99 |
| WINDS | MEAN SPEED (MPH) | 31 | 10.3 | 10.7 | 12.1 | 12.2 | 11.6 | 10.9 | 9.8 | 8.8 | 8.9 | 9.2 | 10.1 | 9.8 | 10.4 |
| | PREVAIL. DIR (TENS OF DEGS) | 18 | 20 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 20 | 18 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 1 | 32 | 48 | 38 | 34 | 37 | 34 | 33 | 30 | 24 | 33 | 32 | 36 | 48 |
| | DIR. (TENS OF DEGS) | | 25 | 20 | 01 | 01 | 01 | 26 | 20 | 28 | 20 | 24 | 18 | 26 | 20 |
| | YEAR OF OCCURRENCE | | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | FEB 1997 |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | |
| SPEED (MPH) | 1 | 39 | 63 | 44 | 45 | 43 | 46 | 43 | 37 | 31 | 44 | 43 | 43 | 63 | |
| DIR. (TENS OF DEGS) | | 27 | 23 | 01 | 22 | 01 | 27 | 20 | 28 | 20 | 25 | 19 | 25 | 23 | |
| YEAR OF OCCURRENCE | | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | 1997 | FEB 1997 | |
| PRECIPITATION | NORMAL (IN) | 30 | 0.80 | 1.07 | 0.91 | 1.67 | 3.00 | 2.33 | 1.06 | 1.93 | 3.41 | 2.40 | 1.08 | 0.79 | 20.45 |
| | MAXIMUM MONTHLY (IN) | 50 | 3.65 | 4.54 | 5.00 | 5.10 | 11.24 | 6.01 | 7.21 | 8.13 | 11.00 | 8.68 | 3.55 | 3.98 | 11.24 |
| | YEAR OF OCCURRENCE | | 1961 | 1997 | 1953 | 1977 | 1987 | 1982 | 1959 | 1971 | 1980 | 1981 | 1968 | 1991 | MAY 1987 |
| | MINIMUM MONTHLY (IN) | 50 | 0.00 | 0.01 | T | 0.07 | 0.26 | 0.05 | T | T | T | 0.00 | 0.00 | T | 0.00 |
| | YEAR OF OCCURRENCE | | 1967 | 1974 | 1972 | 1986 | 1962 | 1990 | 1970 | 1959 | 1983 | 1952 | 1950 | 1973 | JAN 1967 |
| | MAXIMUM IN 24 HOURS (IN) | 50 | 2.49 | 3.16 | 4.65 | 3.32 | 3.12 | 2.86 | 2.95 | 4.67 | 6.25 | 5.11 | 2.16 | 2.71 | 6.25 |
| | YEAR OF OCCURRENCE | | 1961 | 1987 | 1953 | 1971 | 1987 | 1961 | 1959 | 1996 | 1980 | 1959 | 1975 | 1984 | SEP 1980 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 4.5 | 4.7 | 4.4 | 4.9 | 7.3 | 5.4 | 4.2 | 5.6 | 6.6 | 5.0 | 4.1 | 4.4 | 61.1 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.1 | 0.1 | 0.1 | 0.4 | 1.0 | 0.8 | 0.2 | 0.5 | 1.2 | 0.7 | 0.2 | 0.2 | 5.5 | |
| SNOWFALL | NORMAL (IN) | 30 | 1.8 | 0.8 | 0.3 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 3.7 |
| | MAXIMUM MONTHLY (IN) | 49 | 9.0 | 5.8 | 3.1 | T | T | T | T | 0.0 | T | T | 8.8 | 3.7 | 9.0 |
| | YEAR OF OCCURRENCE | | 1978 | 1973 | 1962 | 1990 | 1995 | 1992 | 1992 | 1992 | 1992 | 1994 | 1968 | 1986 | JAN 1978 |
| | MAXIMUM IN 24 HOURS (IN) | 49 | 7.4 | 4.1 | 3.1 | T | T | T | T | 0.0 | T | T | 5.8 | 3.3 | 7.4 |
| | YEAR OF OCCURRENCE | | 1978 | 1966 | 1962 | 1990 | 1995 | 1992 | 1992 | 1992 | 1992 | 1994 | 1968 | 1986 | JAN 1978 |
| | MAXIMUM SNOW DEPTH (IN) | 48 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 6 |
| YEAR OF OCCURRENCE | | 1985 | 1966 | 1989 | | | | | | | | 1957 | 1986 | JAN 1985 | |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 1.3 | |

PRECIPITATION (inches) 1997 SAN ANGELO, TX (SJT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1968 | 2.32 | 1.58 | 1.88 | 2.26 | 1.98 | 4.71 | 1.23 | 1.87 | 1.81 | 0.11 | 3.55 | T | 23.30 |
| 1969 | 0.02 | 1.07 | 1.76 | 4.38 | 3.20 | 0.26 | 0.62 | 2.96 | 5.74 | 6.59 | 1.20 | 2.24 | 30.04 |
| 1970 | 0.14 | 1.31 | 2.36 | 1.10 | 1.83 | 0.39 | T | 0.47 | 4.28 | 0.94 | T | 0.06 | 12.88 |
| 1971 | T | 0.42 | T | 3.89 | 1.42 | 1.72 | 1.84 | 8.13 | 3.59 | 2.09 | 0.27 | 0.88 | 24.25 |
| 1972 | 0.48 | 0.09 | T | 0.57 | 4.89 | 4.21 | 0.17 | 3.66 | 5.30 | 3.22 | 0.31 | 0.03 | 22.93 |
| 1973 | 1.86 | 1.82 | 1.18 | 1.67 | 1.43 | 2.75 | 1.06 | 0.36 | 4.22 | 2.03 | 0.03 | T | 18.41 |
| 1974 | 0.12 | 0.01 | 0.48 | 1.86 | 2.43 | 0.16 | 1.54 | 4.77 | 6.11 | 4.82 | 1.40 | 1.40 | 25.10 |
| 1975 | 0.37 | 1.28 | 0.09 | 0.86 | 5.26 | 2.32 | 2.66 | 0.38 | 2.25 | 3.37 | 2.19 | 0.55 | 21.58 |
| 1976 | 0.04 | 0.42 | 0.30 | 3.41 | 1.77 | 0.41 | 3.51 | 1.41 | 4.66 | 5.11 | 0.58 | 0.18 | 21.80 |
| 1977 | 0.61 | 0.26 | 0.99 | 5.10 | 2.14 | 0.47 | 0.52 | 0.38 | 0.27 | 1.38 | 0.68 | 0.15 | 12.95 |
| 1978 | 0.61 | 1.17 | 0.41 | 0.73 | 1.83 | 2.81 | 0.41 | 2.93 | 1.35 | 0.42 | 1.75 | 0.25 | 14.67 |
| 1979 | 0.19 | 1.83 | 2.25 | 1.90 | 0.67 | 2.15 | 1.30 | 2.18 | 0.06 | 0.93 | T | 2.70 | 16.16 |
| 1980 | 0.84 | 0.79 | 0.71 | 0.52 | 4.72 | 3.14 | 0.33 | 3.30 | 11.00 | 0.01 | 2.53 | 2.20 | 30.09 |
| 1981 | 1.17 | 0.68 | 2.81 | 3.51 | 4.70 | 1.97 | 2.68 | 1.23 | 2.72 | 8.68 | T | 0.02 | 30.17 |
| 1982 | 1.06 | 1.53 | 0.40 | 0.83 | 4.17 | 6.01 | 0.35 | 0.46 | 0.09 | 1.26 | 1.11 | 0.91 | 18.18 |
| 1983 | 2.06 | 0.42 | 1.20 | 0.81 | 0.52 | 3.72 | 1.18 | 0.03 | T | 3.47 | 1.78 | 0.07 | 15.26 |
| 1984 | 2.38 | 0.54 | 0.49 | 0.23 | 0.54 | 2.82 | 0.60 | 0.26 | 2.99 | 3.74 | 1.09 | 3.48 | 19.16 |
| 1985 | 0.67 | 0.38 | 1.69 | 0.42 | 4.78 | 3.55 | 1.13 | 0.24 | 2.84 | 5.64 | 0.48 | 0.01 | 21.83 |
| 1986 | 0.30 | 0.65 | 0.52 | 0.07 | 7.28 | 3.30 | 0.74 | 2.50 | 7.53 | 5.72 | 1.83 | 2.48 | 32.92 |
| 1987 | 0.65 | 4.45 | 1.77 | 1.33 | 11.24 | 3.28 | 0.22 | 1.91 | 3.86 | 0.34 | 0.80 | 2.05 | 31.90 |
| 1988 | 0.01 | 0.42 | 0.69 | 1.36 | 3.31 | 2.14 | 1.22 | 0.92 | 3.20 | T | 0.00 | 0.79 | 14.06 |
| 1989 | 0.68 | 3.01 | 1.95 | 1.04 | 1.06 | 2.83 | 0.35 | 2.78 | 2.82 | 0.41 | 0.48 | 0.23 | 17.64 |
| 1990 | 1.60 | 1.65 | 0.85 | 4.14 | 4.02 | 0.05 | 4.09 | 1.05 | 6.23 | 2.40 | 2.51 | 0.21 | 28.80 |
| 1991 | 2.08 | 0.26 | 0.61 | 0.48 | 1.15 | 4.22 | 1.80 | 1.36 | 4.77 | 3.34 | 0.24 | 3.98 | 24.29 |
| 1992 | 1.90 | 3.79 | 1.05 | 1.00 | 1.49 | 4.74 | 1.98 | 1.78 | 0.27 | 1.33 | 0.95 | 0.75 | 21.03 |
| 1993 | 0.94 | 0.81 | 0.28 | 1.46 | 3.87 | 0.94 | 0.82 | 2.64 | 1.99 | 1.07 | 0.05 | 0.76 | 15.63 |
| 1994 | 1.69 | 0.34 | 0.04 | 0.97 | 3.29 | 1.04 | 0.25 | 1.30 | 3.04 | 4.27 | 1.96 | 1.21 | 19.40 |
| 1995 | 0.31 | 2.81 | 1.01 | 2.67 | 4.39 | 1.37 | 0.17 | 2.41 | 2.27 | 1.86 | 1.68 | 0.20 | 21.15 |
| 1996 | 0.06 | 0.23 | 0.28 | 2.38 | 2.08 | 1.81 | 0.26 | 7.66 | 1.92 | 2.42 | 3.35 | 0.05 | 22.50 |
| 1997 | 0.37 | 4.54 | 2.69 | 2.50 | 2.69 | 2.57 | 0.74 | 2.76 | 1.56 | 0.82 | 0.76 | 1.38 | 23.38 |
| POR= 110 YRS | 0.88 | 0.99 | 0.93 | 1.86 | 3.02 | 2.05 | 1.58 | 1.96 | 2.88 | 2.19 | 1.12 | 0.99 | 20.45 |

WBAN : 23034

AVERAGE TEMPERATURE (°F) 1997 SAN ANGELO, TX (SJT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1968 | 46.3 | 45.8 | 55.0 | 62.2 | 74.5 | 79.3 | 82.5 | 84.1 | 74.4 | 69.4 | 53.3 | 47.2 | 64.5 |
| 1969 | 52.1 | 51.6 | 51.6 | 67.0 | 71.4 | 82.0 | 87.5 | 84.9 | 75.2 | 64.5 | 54.4 | 50.5 | 66.1 |
| 1970 | 43.9 | 50.8 | 52.9 | 66.2 | 71.3 | 78.9 | 83.3 | 85.4 | 78.3 | 64.0 | 54.4 | 54.6 | 65.3 |
| 1971 | 50.2 | 52.0 | 59.6 | 66.7 | 75.2 | 80.9 | 82.8 | 75.4 | 74.3 | 66.8 | 56.0 | 50.2 | 65.8 |
| 1972 | 47.4 | 52.4 | 62.4 | 71.7 | 70.8 | 81.1 | 83.3 | 79.9 | 78.2 | 66.2 | 50.4 | 46.2 | 65.8 |
| 1973 | 41.0 | 46.4 | 59.0 | 60.6 | 73.0 | 78.9 | 83.3 | 82.6 | 75.1 | 67.0 | 60.7 | 49.4 | 64.8 |
| 1974 | 47.0 | 52.4 | 64.9 | 67.9 | 76.0 | 80.9 | 84.0 | 79.6 | 68.9 | 66.4 | 55.0 | 46.8 | 65.8 |
| 1975 | 46.5 | 48.0 | 56.1 | 64.8 | 71.8 | 79.7 | 78.6 | 80.6 | 71.6 | 65.3 | 54.7 | 48.0 | 63.8 |
| 1976 | 43.9 | 56.7 | 58.1 | 65.5 | 68.8 | 79.7 | 76.2 | 80.7 | 73.8 | 58.6 | 47.5 | 45.6 | 62.9 |
| 1977 | 40.4 | 51.5 | 57.9 | 65.0 | 75.5 | 82.3 | 84.8 | 86.2 | 83.5 | 69.2 | 57.1 | 52.3 | 67.1 |
| 1978 | 38.5 | 43.8 | 56.3 | 70.6 | 75.7 | 80.3 | 85.1 | 79.5 | 74.6 | 64.7 | 55.5 | 44.2 | 64.1 |
| 1979 | 36.2 | 46.7 | 57.2 | 65.4 | 72.1 | 78.0 | 83.4 | 80.4 | 75.2 | 69.9 | 50.8 | 47.4 | 63.6 |
| 1980 | 46.1 | 49.2 | 55.4 | 63.7 | 71.8 | 82.6 | 86.9 | 84.4 | 76.9 | 64.5 | 53.0 | 49.9 | 65.4 |
| 1981 | 45.8 | 50.2 | 54.2 | 66.4 | 70.7 | 77.8 | 82.1 | 80.0 | 74.3 | 64.6 | 55.6 | 48.7 | 64.2 |
| 1982 | 46.0 | 45.9 | 59.1 | 63.5 | 69.6 | 77.9 | 83.2 | 84.6 | 77.4 | 66.0 | 54.3 | 45.8 | 64.4 |
| 1983 | 45.1 | 48.8 | 56.6 | 62.2 | 72.5 | 76.6 | 82.2 | 82.1 | 77.4 | 70.2 | 58.4 | 36.3 | 64.0 |
| 1984 | 40.4 | 50.3 | 57.4 | 65.1 | 76.0 | 82.3 | 81.5 | 82.8 | 72.5 | 64.5 | 53.0 | 50.2 | 64.7 |
| 1985 | 38.8 | 46.2 | 59.3 | 68.1 | 75.1 | 77.5 | 80.5 | 84.5 | 75.7 | 66.9 | 57.9 | 43.6 | 64.5 |
| 1986 | 48.4 | 52.9 | 60.9 | 70.8 | 73.7 | 78.0 | 83.3 | 81.4 | 77.9 | 63.8 | 53.0 | 45.3 | 65.8 |
| 1987 | 44.9 | 49.9 | 51.3 | 61.5 | 71.1 | 76.0 | 80.2 | 82.4 | 72.9 | 66.5 | 53.5 | 46.2 | 63.0 |
| 1988 | 42.6 | 47.9 | 56.8 | 64.7 | 70.7 | 79.2 | 80.7 | 81.9 | 75.4 | 66.1 | 57.9 | 48.0 | 64.3 |
| 1989 | 50.2 | 44.7 | 58.4 | 66.6 | 78.2 | 77.9 | 83.2 | 81.9 | 72.2 | 67.3 | 56.5 | 39.5 | 64.7 |
| 1990 | 50.6 | 53.4 | 57.7 | 64.7 | 73.2 | 85.1 | 79.1 | 80.0 | 75.0 | 63.6 | 57.1 | 45.1 | 65.4 |
| 1991 | 43.7 | 51.9 | 58.9 | 66.7 | 76.6 | 78.5 | 81.5 | 80.3 | 72.0 | 65.9 | 50.0 | 49.3 | 64.6 |
| 1992 | 45.7 | 52.9 | 58.4 | 64.8 | 70.5 | 79.2 | 83.1 | 79.3 | 77.6 | 68.3 | 53.0 | 49.6 | 65.2 |
| 1993 | 44.9 | 49.2 | 56.9 | 66.3 | 72.4 | 81.2 | 85.8 | 84.4 | 74.1 | 64.1 | 51.9 | 50.1 | 65.1 |
| 1994 | 46.9 | 51.0 | 60.5 | 66.5 | 73.3 | 84.2 | 85.8 | 84.0 | 74.5 | 66.7 | 56.6 | 49.9 | 66.7 |
| 1995 | 48.7 | 52.3 | 55.2 | 65.7 | 73.9 | 77.6 | 84.2 | 82.3 | 75.9 | 66.1 | 55.2 | 48.3 | 65.5 |
| 1996 | 45.5 | 52.7 | 53.6 | 64.7 | 80.7 | 82.3 | 85.4 | 81.4 | 73.0 | 65.1 | 54.3 | 48.9 | 65.6 |
| 1997 | 43.9 | 46.7 | 58.2 | 59.2 | 69.6 | 77.2 | 83.8 | 82.7 | 78.6 | 66.5 | 51.4 | 43.9 | 63.5 |
| POR= 87 YRS | 45.4 | 49.6 | 57.1 | 65.7 | 73.4 | 80.7 | 83.4 | 82.9 | 75.9 | 66.2 | 54.3 | 47.3 | 65.2 |

WBAN : 23034

HEATING DEGREE DAYS (base 65°F) 1997 SAN ANGELO, TX (SJT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1968-69 | 0 | 0 | 0 | 38 | 362 | 542 | 399 | 372 | 416 | 33 | 9 | 0 | 2171 |
| 1969-70 | 0 | 0 | 0 | 122 | 335 | 441 | 654 | 391 | 376 | 92 | 44 | 0 | 2455 |
| 1970-71 | 0 | 0 | 26 | 126 | 320 | 326 | 453 | 359 | 211 | 81 | 9 | 0 | 1911 |
| 1971-72 | 0 | 0 | 23 | 33 | 289 | 450 | 539 | 382 | 138 | 26 | 3 | 0 | 1883 |
| 1972-73 | 0 | 0 | 3 | 97 | 438 | 577 | 738 | 514 | 183 | 191 | 20 | 0 | 2761 |
| 1973-74 | 0 | 0 | 1 | 33 | 170 | 476 | 554 | 352 | 115 | 53 | 1 | 0 | 1755 |
| 1974-75 | 0 | 0 | 33 | 37 | 308 | 560 | 568 | 470 | 288 | 101 | 1 | 0 | 2366 |
| 1975-76 | 0 | 0 | 32 | 75 | 320 | 519 | 645 | 251 | 237 | 48 | 30 | 0 | 2157 |
| 1976-77 | 0 | 0 | 3 | 220 | 518 | 595 | 757 | 377 | 227 | 45 | 0 | 0 | 2742 |
| 1977-78 | 0 | 0 | 0 | 44 | 249 | 390 | 818 | 588 | 286 | 31 | 21 | 0 | 2427 |
| 1978-79 | 0 | 0 | 3 | 74 | 294 | 642 | 886 | 510 | 251 | 60 | 34 | 0 | 2754 |
| 1979-80 | 0 | 0 | 0 | 57 | 430 | 542 | 578 | 453 | 300 | 105 | 11 | 0 | 2476 |
| 1980-81 | 0 | 0 | 5 | 101 | 374 | 464 | 588 | 411 | 330 | 62 | 17 | 0 | 2352 |
| 1981-82 | 0 | 0 | 8 | 133 | 281 | 496 | 582 | 532 | 220 | 124 | 20 | 0 | 2396 |
| 1982-83 | 0 | 0 | 0 | 105 | 338 | 586 | 611 | 448 | 268 | 163 | 13 | 3 | 2535 |
| 1983-84 | 0 | 0 | 7 | 20 | 245 | 883 | 754 | 422 | 258 | 74 | 5 | 0 | 2668 |
| 1984-85 | 0 | 0 | 59 | 90 | 365 | 455 | 804 | 522 | 223 | 52 | 1 | 0 | 2571 |
| 1985-86 | 0 | 0 | 22 | 50 | 232 | 655 | 506 | 354 | 158 | 15 | 7 | 0 | 1999 |
| 1986-87 | 0 | 0 | 0 | 96 | 354 | 604 | 615 | 418 | 417 | 167 | 0 | 0 | 2671 |
| 1987-88 | 0 | 0 | 0 | 49 | 354 | 577 | 689 | 491 | 280 | 96 | 9 | 0 | 2545 |
| 1988-89 | 0 | 0 | 2 | 35 | 245 | 520 | 449 | 567 | 264 | 101 | 1 | 0 | 2184 |
| 1989-90 | 0 | 0 | 37 | 84 | 284 | 784 | 444 | 324 | 259 | 95 | 52 | 0 | 2363 |
| 1990-91 | 0 | 0 | 3 | 124 | 257 | 610 | 651 | 364 | 214 | 38 | 8 | 0 | 2269 |
| 1991-92 | 0 | 0 | 33 | 90 | 443 | 482 | 592 | 344 | 199 | 88 | 20 | 0 | 2291 |
| 1992-93 | 0 | 0 | 0 | 27 | 370 | 473 | 619 | 436 | 273 | 89 | 4 | 0 | 2291 |
| 1993-94 | 0 | 0 | 7 | 159 | 401 | 457 | 554 | 392 | 207 | 78 | 17 | 0 | 2272 |
| 1994-95 | 0 | 0 | 4 | 85 | 267 | 463 | 499 | 349 | 335 | 95 | 2 | 0 | 2099 |
| 1995-96 | 0 | 0 | 21 | 57 | 294 | 515 | 599 | 377 | 363 | 112 | 0 | 0 | 2338 |
| 1996-97 | 0 | 0 | 29 | 74 | 326 | 491 | 653 | 506 | 212 | 200 | 32 | 0 | 2523 |
| 1997- | 0 | 0 | 0 | 98 | 403 | 646 | | | | | | | |

WBAN : 23034

COOLING DEGREE DAYS (base 65°F) 1997 SAN ANGELO, TX (SJT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1969 | 6 | 1 | 6 | 99 | 213 | 513 | 707 | 620 | 311 | 113 | 23 | 0 | 2612 |
| 1970 | 6 | 1 | 7 | 135 | 248 | 422 | 575 | 639 | 432 | 101 | 10 | 9 | 2585 |
| 1971 | 0 | 4 | 49 | 139 | 332 | 482 | 557 | 328 | 308 | 96 | 23 | 0 | 2318 |
| 1972 | 0 | 20 | 65 | 232 | 191 | 488 | 574 | 468 | 406 | 140 | 7 | 2 | 2593 |
| 1973 | 0 | 0 | 6 | 67 | 274 | 425 | 573 | 554 | 314 | 104 | 49 | 0 | 2366 |
| 1974 | 3 | 4 | 120 | 147 | 349 | 481 | 597 | 460 | 159 | 87 | 15 | 0 | 2422 |
| 1975 | 3 | 0 | 18 | 103 | 220 | 448 | 427 | 493 | 238 | 90 | 18 | 0 | 2058 |
| 1976 | 0 | 12 | 29 | 66 | 155 | 449 | 354 | 491 | 272 | 27 | 0 | 0 | 1855 |
| 1977 | 0 | 6 | 14 | 53 | 333 | 523 | 621 | 662 | 562 | 183 | 17 | 1 | 2975 |
| 1978 | 0 | 0 | 22 | 204 | 360 | 467 | 634 | 454 | 302 | 72 | 13 | 0 | 2528 |
| 1979 | 0 | 2 | 17 | 77 | 263 | 394 | 579 | 487 | 309 | 217 | 12 | 0 | 2357 |
| 1980 | 0 | 0 | 9 | 73 | 229 | 535 | 685 | 610 | 368 | 90 | 19 | 2 | 2620 |
| 1981 | 0 | 1 | 2 | 112 | 202 | 390 | 536 | 474 | 290 | 129 | 6 | 0 | 2142 |
| 1982 | 0 | 4 | 43 | 88 | 170 | 392 | 572 | 616 | 378 | 142 | 24 | 0 | 2429 |
| 1983 | 0 | 0 | 13 | 88 | 253 | 359 | 539 | 535 | 390 | 191 | 55 | 0 | 2423 |
| 1984 | 0 | 2 | 30 | 86 | 352 | 528 | 517 | 558 | 291 | 82 | 10 | 4 | 2460 |
| 1985 | 0 | 1 | 53 | 153 | 318 | 381 | 486 | 610 | 352 | 113 | 26 | 0 | 2493 |
| 1986 | 0 | 19 | 38 | 196 | 284 | 397 | 572 | 515 | 396 | 69 | 4 | 0 | 2490 |
| 1987 | 0 | 0 | 1 | 65 | 195 | 338 | 475 | 548 | 246 | 100 | 17 | 0 | 1985 |
| 1988 | 0 | 0 | 33 | 91 | 193 | 430 | 492 | 528 | 322 | 78 | 40 | 1 | 2208 |
| 1989 | 0 | 3 | 65 | 158 | 417 | 396 | 571 | 531 | 261 | 165 | 33 | 0 | 2600 |
| 1990 | 4 | 5 | 40 | 94 | 312 | 611 | 443 | 469 | 311 | 88 | 26 | 0 | 2403 |
| 1991 | 0 | 0 | 30 | 98 | 371 | 413 | 517 | 481 | 248 | 123 | 0 | 2 | 2283 |
| 1992 | 0 | 0 | 3 | 86 | 195 | 432 | 567 | 450 | 386 | 134 | 16 | 3 | 2272 |
| 1993 | 0 | 0 | 28 | 131 | 239 | 494 | 653 | 608 | 283 | 138 | 14 | 0 | 2588 |
| 1994 | 0 | 5 | 72 | 131 | 281 | 581 | 651 | 599 | 294 | 144 | 24 | 1 | 2783 |
| 1995 | 0 | 0 | 38 | 123 | 283 | 381 | 604 | 543 | 353 | 98 | 7 | 3 | 2433 |
| 1996 | 0 | 27 | 16 | 110 | 495 | 528 | 641 | 515 | 275 | 82 | 14 | 0 | 2703 |
| 1997 | 7 | 0 | 9 | 32 | 184 | 373 | 593 | 555 | 412 | 151 | 0 | 0 | 2316 |

SNOWFALL (inches) 1997 SAN ANGELO, TX (SJT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1970-71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 0.0 | 0.0 | T |
| 1971-72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | T | 0.0 | 0.0 | 0.0 | 3.3 |
| 1972-73 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 7.7 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 |
| 1973-74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | T | 0.6 | 0.0 | 0.0 | 0.0 | 9.6 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.0 | 0.0 | T | 0.0 | 0.0 | 1.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 1.8 | T | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | T | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 0.9 | T | 0.0 | 0.0 | 0.0 | 1.2 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 8.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.3 | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.7 | T | T | 0.0 | 0.0 | 0.0 | 4.4 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.2 | T | 2.6 | 0.0 | T | T | 3.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 0.0 | T | T | T | 0.0 | T |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.3 | 0.0 | T | 0.0 | T | 0.0 | 4.4 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | T | T | 0.0 | 0.0 | T | T |
| 1992-93 | T | 0.0 | T | T | T | T | 0.1 | 0.0 | T | 0.0 | T | 0.0 | 0.1 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 2.4 | 0.0 | T | 0.0 | 0.0 | 0.0 | 2.4 |
| 1994-95 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | T | 0.0 | T |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | | | | | | |
| 1996-97 | | | | | 3.0 | 0.1 | | | | | | | |
| 1997- | | | | | | | | | | | | | |
| POR= 48 YRS | T | 0.0 | T | T | 0.4 | 0.2 | 1.5 | 0.6 | 0.2 | T | T | T | 2.9 |

WBAN : 23034

REFERENCE NOTES:

| | |
|---|---|
| <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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
|---|---|

1997
SAN ANGELO,
TEXAS (SJT)

San Angelo is located near the center of Texas at the northern edge of the Edwards Plateau. Ground elevation ranges from about 1,700 to 2,700 feet above sea level. Topography varies from level and slightly rolling to broken. The climate is generally classified as semi-arid or steppe, but has some humid temperate characteristics. Warm, dry weather predominates, although changes may be rapid and frequent with the passage of cold fronts or northers.

High temperatures of summer are associated with fair skies, south to southwest winds and dry air. Low humidities, however, are conducive to personal comfort because of rapid evaporation. Rapid temperature drops occur after sunset, and most nights are pleasant with lows in the upper 60s and lower 70s. Rapid temperature drops occur in the winter as cold polar air invades the region. Temperature drops of 20 to 30 degrees in a short time are not uncommon. Cold polar outbreaks have produced record low temperatures of zero or below throughout the area.

The rainfall is typical of the Great Plains. Much of the rainfall occurs from thunderstorm activity, and wide variations in annual precipitation occur from year to year. Heavy rainfall occurs in April, May, June, September and October. Also, in the late summer months, heavy precipitation may occur when tropical disturbances move inland over south Texas and pass near the San Angelo area.

The prevailing wind direction is from the south, and winds are frequently high and persistent for several days. Dusty conditions are infrequent and occur in early spring when west or northwest winds predominate. The frequency and intensity of the dust storms are dependent on soil conditions in the Texas Panhandle and in New Mexico.

Agriculture in the region consists of cattle, sheep, and goat raising. Cotton, from dry-land and irrigated fields, maize, corn, melons, truck farming, and pecan production are also important crops.

STATION LOCATION

SAN ANGELO, TEXAS

| LOCATION | OCCUPIED FROM | OCCUPIED TO | AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | REMARKS | | |
|---|---------------|-------------|---|----------------|----------------|-----------------|--------|----------|----------|------|----------|---------|---------|----------------|------|---------|-----|--|
| | | | | | | SEA LEVEL | GROUND | | | | | | | | | | AUC | |
| | | | | | | | WIND | WIND | WIND | WIND | WIND | WIND | WIND | WIND | WIND | | | WIND |
| <u>COOPERATIVE</u> | | | | | | | | | | | | | | | | | | |
| 115 West Twhig | 7/15/07 | 10/30/09 | | 31° 28' | 100°26' | 1842 | | | | | | | | | | | | |
| 721 Koberlin | 11/27/09 | - | 1 mi. ENE | 31° 29' | 100°25' | 1846 | | | | | | | | | | | | |
| 131 West Harris | - | 8/31/21 | 7/8 mi. WSW | 31° 28' | 100°26' | 1845 | | | | | | | | | | | | |
| 108 South Chadbourne | 9/01/21 | - | 1/4 mi. E | 31° 28' | 100°26' | 1845 | | | | | | | | | | | | |
| 721 Powell | 1927 | 1928 | 7/8 mi. SE | 31° 27' | 100°25' | 1842 | | | | | | | | | | | | |
| 1208 South Abe | 1928 | 3-1930 | 1 mi. WSW | 31° 27' | 100°26' | 1855 | | | | | | | | | | | | |
| 117 Bird | 3/1930 | - | 7/8 mi. NE | 31° 28' | 100°26' | 1840 | | | | | | | | | | | | |
| 131 West Harris | - | 1/31/41 | 5/8 mi. NW | 31° 28' | 100°26' | 1845 | | | | | | | | | | | | |
| 319 West Harris | 4/01/41 | 10/31/41 | 1/8 mi. W | 31° 28' | 100°26' | 1843 | | | | | | | | | | | | |
| 2109 West Avenue J | 4/01/42 | 9/11/44 | 1-5/8 mi. SW | 31° 27' | 100°27' | 1890 | | | | | | | | | | | | |
| West Texas Power Plant | 9/12/44 | 10/31/47 | 2-1/8 mi. ENE | 31° 27' | 100°25' | 1833 | | | | | | | | | | | | |
| <u>AIRPORT STATION</u> <u>Mathis Field</u> | 11/01/47 | 7/22/65 | 7-3/4 mi. SSW | 31° 22' | 100°30' | 1903 | a20 | 50 | 49 | | | | 47 | 47 | 5 | | | First Order Stations established 11/1/47. Hygro-thermometer commissioned 5/1/60. a - 63 ft. to 9/15/60. |
| Weather Bureau Building Mathis Field | 9/22/65 | Present | 900 ft. S | 31° 22' | 100°30' | 1903 | b20 | c6 c6 | c5 c5 | NA | d4 h4 | 4 e4 | 4 e4 | b5 f6 g6 | NA | | | b - Not moved 7/22/65. c - Standby status. d - Added 2/8/77. e - Minor move 50 ft. SE on 12/14/78. f - Minor adjustment & type change 11/17/84. g - Minor adjustment and type change 11/17/84. h - Relocated to other raingage site 3/29/85. S ASOS Commissioned 02/01/96 |

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