

NORMALS, MEANS, AND EXTREMES

BROWNSVILLE, TX (BRO)

LATITUDE: 25° 54' 23" N LONGITUDE: 97° 25' 32" W ELEVATION (FT): GRND: 21 BARO: 24 TIME ZONE: CENTRAL (UTC + 6) WBAN: 12919

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 68.7 | 72.2 | 78.0 | 82.3 | 86.9 | 90.5 | 92.4 | 92.6 | 89.4 | 84.0 | 76.8 | 70.2 | 82.0 |
| | MEAN DAILY MAXIMUM | 41 | 69.8 | 72.6 | 78.2 | 83.7 | 87.9 | 91.4 | 93.4 | 93.7 | 90.3 | 84.8 | 78.4 | 71.9 | 83.0 |
| | HIGHEST DAILY MAXIMUM | 65 | 93 | 94 | 106 | 102 | 102 | 102 | 104 | 102 | 105 | 96 | 97 | 94 | 106 |
| | YEAR OF OCCURRENCE | | 1971 | 1986 | 1984 | 1984 | 1999 | 2001 | 2003 | 1962 | 2000 | 1986 | 1988 | 1977 | MAR 1984 |
| | MEAN OF EXTREME MAXS. | 56 | 82.7 | 85.9 | 90.3 | 93.2 | 93.7 | 95.3 | 96.7 | 97.4 | 95.8 | 91.6 | 88.3 | 84.3 | 91.3 |
| | NORMAL DAILY MINIMUM | 30 | 50.5 | 53.3 | 59.5 | 65.2 | 71.6 | 74.9 | 75.4 | 75.3 | 72.6 | 65.9 | 58.6 | 52.0 | 64.6 |
| | MEAN DAILY MINIMUM | 41 | 50.9 | 53.3 | 59.4 | 66.4 | 71.9 | 75.1 | 75.8 | 75.5 | 72.9 | 66.2 | 59.0 | 52.5 | 64.9 |
| | LOWEST DAILY MINIMUM | 65 | 19 | 22 | 32 | 38 | 52 | 60 | 68 | 63 | 55 | 35 | 31 | 16 | 16 |
| | YEAR OF OCCURRENCE | | 1962 | 1951 | 1989 | 1980 | 1970 | 1975 | 1989 | 1967 | 1995 | 1993 | 1993 | 1989 | DEC 1989 |
| | MEAN OF EXTREME MINS. | 56 | 33.6 | 37.2 | 41.5 | 50.9 | 60.8 | 68.1 | 71.9 | 71.3 | 63.5 | 52.2 | 41.3 | 35.7 | 52.3 |
| | NORMAL DRY BULB | 30 | 59.6 | 62.7 | 68.8 | 73.8 | 79.3 | 82.7 | 83.9 | 84.0 | 81.0 | 75.0 | 67.7 | 61.1 | 73.3 |
| | MEAN DRY BULB | 56 | 60.6 | 63.4 | 68.7 | 74.9 | 79.8 | 83.1 | 84.4 | 84.3 | 81.6 | 75.6 | 68.3 | 62.4 | 73.9 |
| | MEAN WET BULB | 52 | 56.0 | 58.2 | 62.8 | 68.3 | 73.0 | 75.6 | 76.2 | 76.3 | 74.6 | 69.2 | 62.8 | 57.4 | 67.5 |
| | MEAN DEW POINT | 52 | 52.6 | 54.8 | 59.2 | 65.1 | 70.4 | 73.0 | 73.3 | 73.5 | 72.2 | 66.0 | 59.5 | 54.0 | 64.5 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.1 | 0.3 | 1.6 | 3.1 | 11.9 | 24.2 | 27.7 | 28.0 | 20.0 | 6.2 | 0.5 | 0.1 | 123.7 | |
| MAXIMUM ≤ 32° | 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 | |
| MINIMUM ≤ 32° | 30 | 1.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | 0.8 | 2.3 | |
| MINIMUM ≤ 0° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 206 | 125 | 45 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 69 | 186 | 644 |
| | NORMAL COOLING DEG. DAYS | 30 | 54 | 76 | 179 | 287 | 457 | 545 | 601 | 603 | 494 | 332 | 166 | 80 | 3874 |
| RH | NORMAL (PERCENT) | 30 | 80 | 79 | 76 | 76 | 78 | 76 | 73 | 75 | 77 | 77 | 78 | 79 | 77 |
| | HOUR 00 LST | 30 | 88 | 87 | 86 | 87 | 88 | 87 | 87 | 87 | 88 | 88 | 87 | 86 | 87 |
| | HOUR 06 LST | 30 | 89 | 89 | 88 | 89 | 91 | 91 | 92 | 92 | 91 | 90 | 88 | 88 | 90 |
| | HOUR 12 LST | 30 | 66 | 62 | 59 | 60 | 61 | 59 | 55 | 56 | 60 | 60 | 62 | 66 | 60 |
| | HOUR 18 LST | 30 | 74 | 70 | 68 | 68 | 70 | 67 | 63 | 64 | 68 | 71 | 74 | 76 | 69 |
| S | PERCENT POSSIBLE SUNSHINE | 55 | 41 | 48 | 53 | 56 | 63 | 72 | 79 | 76 | 68 | 65 | 51 | 41 | 59 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 61 | 6.2 | 4.7 | 3.7 | 2.3 | 1.0 | 0.2 | 0.1 | 0.2 | 0.3 | 0.8 | 3.2 | 5.3 | 28.0 |
| | THUNDERSTORMS | 61 | 0.6 | 0.8 | 0.8 | 2.4 | 3.6 | 3.1 | 2.8 | 4.7 | 5.0 | 2.1 | 1.0 | 0.5 | 27.4 |
| CLOUDINESS | MEAN: | 1 | | | | | | 3.2 | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | 4.0 | 4.0 | 4.0 | | 7.0 | 12.0 | 3.0 | 6.0 | 7.0 | 6.0 | | 5.0 | | |
| PARTLY CLOUDY | 1 | 2.0 | 2.0 | 4.0 | | 12.0 | 7.0 | 1.0 | 4.0 | 4.0 | 2.0 | | 2.0 | | |
| CLOUDY | 1 | 3.0 | 3.0 | 9.0 | | | 1.0 | | 2.0 | 2.0 | 2.0 | | 7.0 | | |
| PR | MEAN STATION PRESSURE (IN) | 31 | 30.08 | 30.04 | 29.94 | 29.90 | 29.86 | 29.89 | 29.95 | 29.94 | 29.91 | 29.99 | 30.02 | 30.07 | 29.97 |
| | MEAN SEA-LEVEL PRES. (IN) | 52 | 30.10 | 30.05 | 29.96 | 29.91 | 29.89 | 29.90 | 29.96 | 29.94 | 29.92 | 30.00 | 30.05 | 30.09 | 29.98 |
| WINDS | MEAN SPEED (MPH) | 43 | 11.1 | 12.0 | 12.7 | 13.4 | 13.0 | 11.8 | 11.5 | 10.2 | 9.1 | 9.5 | 10.5 | 10.6 | 11.3 |
| | PREVAIL. DIR (TENS OF DEGS) | 28 | 34 | 16 | 16 | 15 | 15 | 15 | 15 | 14 | 15 | 15 | 16 | 34 | 15 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 40 | 36 | 39 | 41 | 38 | 36 | 36 | 39 | 51 | 33 | 36 | 38 | 51 |
| | DIR. (TENS OF DEGS) | | 17 | 17 | 16 | 17 | 17 | 18 | 12 | 03 | 30 | 33 | 16 | 17 | 30 |
| | YEAR OF OCCURRENCE | | 2000 | 1997 | 2002 | 2000 | 2000 | 1997 | 2001 | 2003 | 1996 | 1996 | 1999 | 1999 | SEP 1996 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 51 | 45 | 46 | 52 | 46 | 44 | 44 | 54 | 55 | 60 | 44 | 45 | 60 |
| DIR. (TENS OF DEGS) | | 18 | 15 | 35 | 17 | 15 | 18 | 15 | 30 | 30 | 17 | 03 | 18 | 17 | |
| YEAR OF OCCURRENCE | | 2000 | 1998 | 1998 | 2000 | 2000 | 1997 | 1997 | 1999 | 1996 | 2002 | 1995 | 1997 | OCT 2002 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.36 | 1.18 | 0.93 | 1.96 | 2.48 | 2.93 | 1.77 | 2.99 | 5.31 | 3.78 | 1.75 | 1.11 | 27.55 |
| | MAXIMUM MONTHLY (IN) | 64 | 5.11 | 10.25 | 5.94 | 10.35 | 9.12 | 13.06 | 9.43 | 9.56 | 20.18 | 17.12 | 7.69 | 9.45 | 20.18 |
| | YEAR OF OCCURRENCE | | 1945 | 1958 | 1997 | 1991 | 1982 | 1942 | 1976 | 1975 | 1984 | 1958 | 1986 | 1940 | SEP 1984 |
| | MINIMUM MONTHLY (IN) | 64 | T | T | T | T | T | 0.01 | T | 0.02 | 0.07 | 0.34 | 0.01 | T | T |
| | YEAR OF OCCURRENCE | | 1956 | 1954 | 1986 | 1988 | 1978 | 1955 | 1993 | 1974 | 1959 | 1961 | 1949 | 1969 | JUL 1993 |
| | MAXIMUM IN 24 HOURS (IN) | 64 | 3.00 | 4.98 | 2.76 | 9.37 | 4.56 | 8.18 | 4.25 | 5.48 | 12.19 | 6.67 | 4.08 | 5.69 | 12.19 |
| | YEAR OF OCCURRENCE | | 1988 | 1958 | 1997 | 1991 | 1969 | 1942 | 1976 | 1980 | 1967 | 1996 | 1986 | 1940 | SEP 1967 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 7.7 | 5.4 | 4.2 | 4.0 | 5.0 | 6.6 | 5.0 | 7.2 | 9.3 | 7.3 | 5.9 | 7.2 | 74.8 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.3 | 0.3 | 0.2 | 0.5 | 0.9 | 0.8 | 0.5 | 0.7 | 1.7 | 1.0 | 0.5 | 0.1 | 7.5 | |
| 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 |
| | MAXIMUM MONTHLY (IN) | 63 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | T | T |
| | YEAR OF OCCURRENCE | | 1993 | 1973 | 1993 | | | | | 1992 | | | 1991 | 1966 | MAR 1993 |
| | MAXIMUM IN 24 HOURS (IN) | 63 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | T | T |
| | YEAR OF OCCURRENCE | | 1993 | 1973 | 1993 | | | | | 1992 | | | 1991 | 1966 | MAR 1993 |
| | MAXIMUM SNOW DEPTH (IN) | 44 | T | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | T | T |
| | YEAR OF OCCURRENCE | | 1985 | 1963 | | | | | | | | | | 1983 | DEC 1983 |
| 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 | |