

2004

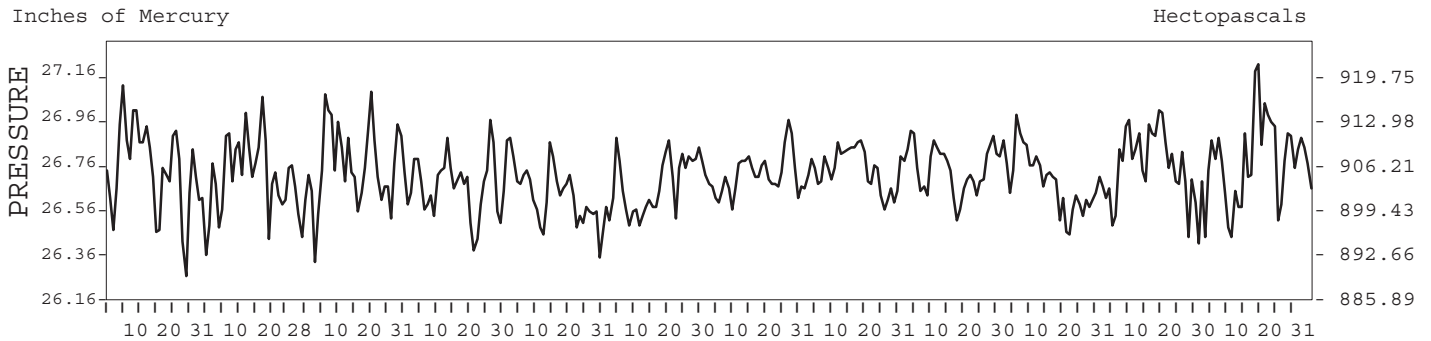
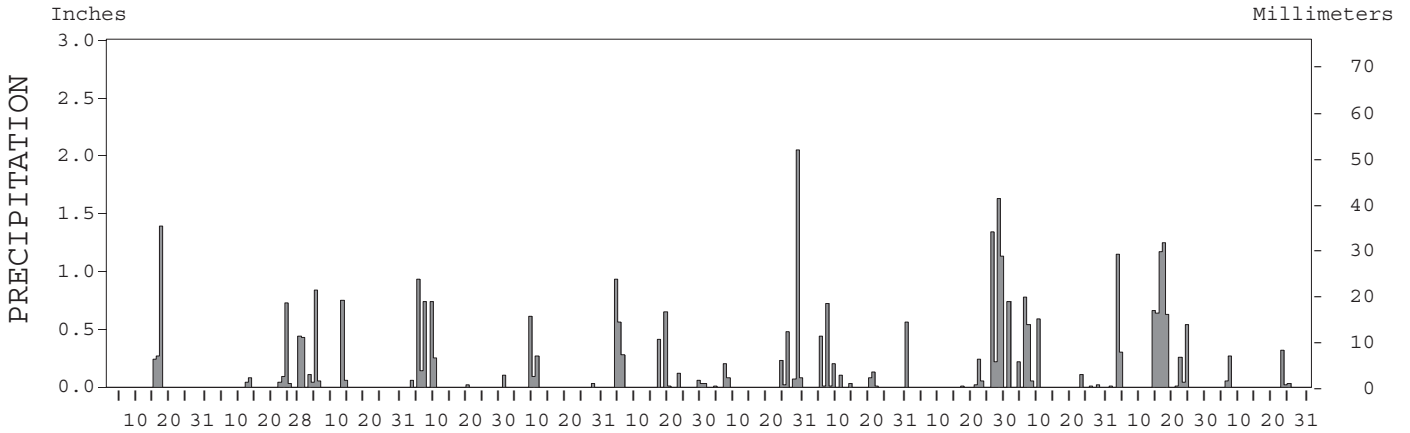
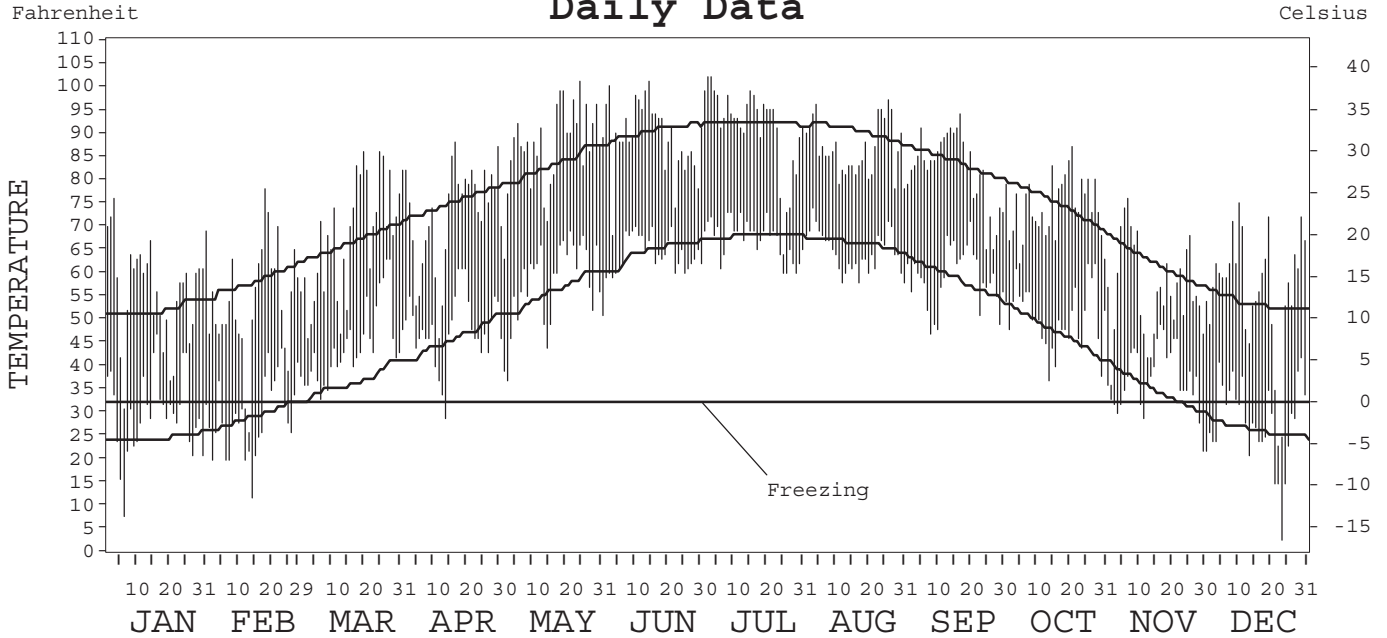
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5108

LUBBOCK,
TEXAS (LBB)

Daily Data



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

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

METEOROLOGICAL DATA FOR 2004

LUBBOCK, TX (LBB)

LATITUDE: 33° 40' 03" N LONGITUDE: 101° 49' 17" W ELEVATION (FT): GRND: 3256 BARO: 3259 TIME ZONE: CENTRAL (UTC + 6) WBAN: 23042

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 56.3 | 53.9 | 68.4 | 72.4 | 87.3 | 89.1 | 91.1 | 86.6 | 82.1 | 74.2 | 56.7 | 56.5 | 72.9 | |
| | HIGHEST DAILY MAXIMUM | 76 | 78 | 86 | 88 | 101 | 101 | 102 | 97 | 94 | 87 | 76 | 75 | 102 | |
| | DATE OF OCCURRENCE | 03 | 18 | 24+ | 16 | 24 | 14 | 03+ | 26 | 17 | 21 | 07 | 11 | JUL 03+ | |
| | MEAN DAILY MINIMUM | 30.1 | 29.6 | 44.8 | 48.1 | 57.6 | 64.2 | 67.3 | 64.6 | 58.9 | 50.4 | 37.6 | 28.0 | 48.4 | |
| | LOWEST DAILY MINIMUM | 8 | 12 | 33 | 29 | 37 | 59 | 60 | 58 | 47 | 37 | 22 | 3 | 3 | |
| | DATE OF OCCURRENCE | 06 | 14 | 06 | 13 | 02 | 03+ | 29+ | 31+ | 08 | 14 | 30 | 24 | DEC 24 | |
| | AVERAGE DRY BULB | 43.2 | 41.8 | 56.6 | 60.3 | 72.5 | 76.7 | 79.2 | 75.6 | 70.5 | 62.3 | 47.2 | 42.3 | 60.7 | |
| | MEAN WET BULB | 36.1 | 35.3 | 47.5 | 51.1 | 58.8 | 65.3 | 67.0 | 66.7 | 61.8 | 55.3 | 43.1 | 34.6 | 51.9 | |
| | MEAN DEW POINT | 27.2 | 27.3 | 38.8 | 43.7 | 47.9 | 59.1 | 60.5 | 62.4 | 56.3 | 50.0 | 39.6 | 26.0 | 44.9 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 13 | 15 | 23 | 10 | 6 | 0 | 0 | 0 | 0 | 67 |
| | MAXIMUM ≤ 32° | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | |
| | MINIMUM ≤ 32° | 22 | 19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 70 | |
| | MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 670 | 670 | 285 | 172 | 33 | 1 | 3 | 0 | 12 | 104 | 531 | 697 | 3178 | |
| | COOLING DEGREE DAYS | 0 | 0 | 30 | 37 | 273 | 356 | 450 | 336 | 185 | 30 | 0 | 0 | 1697 | |
| RH | MEAN (PERCENT) | 60 | 64 | 60 | 63 | 49 | 62 | 58 | 69 | 66 | 70 | 81 | 60 | 64 | |
| | HOUR 00 LST | 65 | 70 | 69 | 70 | 55 | 74 | 64 | 78 | 75 | 80 | 89 | 70 | 72 | |
| | HOUR 06 LST | 74 | 80 | 76 | 83 | 79 | 85 | 80 | 88 | 86 | 87 | 93 | 78 | 82 | |
| | HOUR 12 LST | 51 | 55 | 49 | 49 | 37 | 49 | 50 | 56 | 54 | 54 | 68 | 44 | 51 | |
| | HOUR 18 LST | 47 | 47 | 42 | 46 | 27 | 42 | 41 | 51 | 48 | 56 | 74 | 48 | 47 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 19 | |
| | THUNDERSTORMS | 0 | 3 | 3 | 5 | 3 | 11 | 9 | 10 | 4 | 4 | 2 | 1 | 55 | |
| 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.) | 26.71 | 26.70 | 26.74 | 26.65 | 26.61 | 26.66 | 26.70 | 26.73 | 26.72 | 26.66 | 26.74 | 26.77 | 26.70 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.05 | 30.04 | 30.03 | 29.91 | 29.82 | 29.86 | 29.90 | 29.95 | 29.95 | 29.91 | 30.07 | 30.12 | 29.97 | |
| WINDS | RESULTANT SPEED (MPH) | 3.7 | 1.8 | 3.9 | 1.8 | 7.7 | 3.5 | 2.5 | 4.8 | 5.5 | 3.3 | 2.6 | 4.2 | 2.4 | |
| | RES. DIR. (TENS OF DEGS.) | 24 | 13 | 16 | 18 | 19 | 13 | 10 | 14 | 15 | 23 | 35 | 25 | 18 | |
| | MEAN SPEED (MPH) | 11.4 | 12.3 | 13.7 | 13.5 | 14.5 | 12.8 | 10.6 | 9.9 | 10.6 | 10.5 | 11.1 | 11.3 | 11.9 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 21 | 13 | 18 | 18 | 18 | 11 | 15 | 17 | 15 | 23 | 36 | 26 | 18 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 43 | 51 | 39 | 40 | 45 | 44 | 45 | 45 | 32 | 33 | 37 | 40 | 51 | |
| | DIR. (TENS OF DEGS.) | 27 | 23 | 25 | 01 | 27 | 33 | 26 | 33 | 26 | 22 | 27 | 24 | 23 | |
| | DATE OF OCCURRENCE | 25 | 19 | 04 | 25 | 27 | 16 | 06 | 10 | 30 | 15 | 26 | 06 | FEB 19 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 52 | 58 | 47 | 53 | 55 | 51 | 59 | 53 | 40 | 41 | 45 | 47 | 59 | |
| DIR. (TENS OF DEGS.) | 26 | 24 | 25 | 01 | 27 | 32 | 24 | 33 | 26 | 22 | 26 | 24 | 24 | | |
| DATE OF OCCURRENCE | 25 | 19 | 04 | 25 | 27 | 16 | 06 | 10 | 30 | 15 | 26+ | 06 | JUL 06 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.90 | 1.88 | 1.85 | 2.98 | 1.00 | 3.08 | 3.22 | 2.29 | 5.38 | 2.33 | 6.65 | 0.69 | 33.25 | |
| | GREATEST 24-HOUR (IN.) | 1.51 | 0.87 | 0.78 | 0.99 | 0.70 | 0.93 | 2.12 | 0.73 | 2.21 | 1.32 | 1.55 | 0.32 | 2.21 | |
| | DATE OF OCCURRENCE | 16-17 | 28-29 | 12-13 | 08-09 | 08-09 | 03 | 28-29 | 06-07 | 27-28 | 05-06 | 15-16 | 22 | SEP 27-28 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 3 | 8 | 6 | 8 | 4 | 10 | 9 | 11 | 9 | 9 | 11 | 5 | 93 | |
| PRECIPITATION ≥ 0.10 | 3 | 3 | 3 | 6 | 2 | 6 | 4 | 6 | 6 | 5 | 9 | 2 | 55 | | |
| PRECIPITATION ≥ 1.00 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 3 | 0 | 8 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.0 | 3.1 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 3.7 | 15.7 | |
| | GREATEST 24-HOUR (IN.) | 1.0 | 1.6 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 3.0 | 6.2 | |
| | DATE OF OCCURRENCE | 17 | 24 | 05 | | | | | | | | 02 | 22 | NOV 02 | |
| | MAXIMUM SNOW DEPTH (IN.) | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 5 | |
| | DATE OF OCCURRENCE | | 25 | | | | | | | | | 03 | 25+ | NOV 03 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | | |

HEATING DEGREE DAYS (base 65°F) 2004 LUBBOCK, TX (LBB)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1975-76 | 0 | 0 | 76 | 122 | 436 | 680 | 780 | 397 | 392 | 116 | 57 | 0 | 3056 |
| 1976-77 | 0 | 0 | 30 | 333 | 665 | 760 | 939 | 520 | 397 | 153 | 1 | 0 | 3798 |
| 1977-78 | 0 | 0 | 0 | 80 | 373 | 611 | 1014 | 864 | 419 | 75 | 64 | 0 | 3500 |
| 1978-79 | 0 | 0 | 31 | 129 | 447 | 827 | 1023 | 640 | 369 | 134 | 45 | 9 | 3654 |
| 1979-80 | 0 | 0 | 9 | 104 | 570 | 690 | 756 | 592 | 436 | 205 | 48 | 0 | 3410 |
| 1980-81 | 0 | 0 | 21 | 190 | 565 | 590 | 712 | 563 | 420 | 108 | 33 | 0 | 3202 |
| 1981-82 | 0 | 0 | 16 | 202 | 341 | 643 | 777 | 635 | 351 | 198 | 45 | 2 | 3210 |
| 1982-83 | 0 | 0 | 0 | 189 | 485 | 821 | 1001 | 613 | 430 | 326 | 68 | 13 | 3946 |
| 1983-84 | 0 | 0 | 18 | 107 | 371 | 1025 | 836 | 566 | 477 | 216 | 20 | 0 | 3636 |
| 1984-85 | 0 | 0 | 80 | 194 | 460 | 646 | 908 | 639 | 392 | 104 | 26 | 3 | 3452 |
| 1985-86 | 0 | 0 | 65 | 133 | 448 | 832 | 631 | 540 | 272 | 100 | 32 | 0 | 3053 |
| 1986-87 | 0 | 0 | 7 | 185 | 535 | 752 | 822 | 555 | 519 | 224 | 25 | 0 | 3624 |
| 1987-88 | 0 | 0 | 2 | 96 | 456 | 784 | 881 | 638 | 459 | 168 | 32 | 0 | 3516 |
| 1988-89 | 0 | 6 | 11 | 95 | 388 | 707 | 620 | 739 | 341 | 132 | 17 | 1 | 3057 |
| 1989-90 | 0 | 0 | 55 | 115 | 409 | 912 | 672 | 500 | 411 | 147 | 86 | 0 | 3307 |
| 1990-91 | 0 | 0 | 5 | 138 | 357 | 801 | 836 | 444 | 340 | 82 | 18 | 0 | 3021 |
| 1991-92 | 0 | 0 | 69 | 163 | 587 | 671 | 782 | 465 | 303 | 134 | 47 | 3 | 3224 |
| 1992-93 | 0 | 0 | 0 | 90 | 554 | 716 | 788 | 632 | 421 | 176 | 40 | 0 | 3417 |
| 1993-94 | 0 | 3 | 13 | 222 | 580 | 669 | 751 | 581 | 374 | 172 | 39 | 0 | 3404 |
| 1994-95 | 0 | 0 | 11 | 127 | 394 | 603 | 693 | 468 | 427 | 180 | 35 | 0 | 2938 |
| 1995-96 | 0 | 0 | 60 | 132 | 399 | 689 | 785 | 525 | 518 | 162 | 0 | 0 | 3270 |
| 1996-97 | 0 | 0 | 33 | 188 | 463 | 645 | 824 | 660 | 350 | 338 | 45 | 2 | 3548 |
| 1997-98 | 0 | 3 | 9 | 214 | 577 | 860 | 645 | 594 | 538 | 244 | 3 | 7 | 3694 |
| 1998-99 | 0 | 0 | 0 | 106 | 370 | 732 | 658 | 405 | 462 | 181 | 66 | 0 | 2980 |
| 1999-00 | 0 | 0 | 46 | 167 | 313 | 740 | 674 | 418 | 344 | 135 | 28 | 4 | 2869 |
| 2000-01 | 0 | 0 | 30 | 162 | 642 | 923 | 867 | 569 | 512 | 87 | 24 | 0 | 3816 |
| 2001-02 | 0 | 0 | 8 | 150 | 373 | 688 | 698 | 629 | 493 | 144 | 32 | 0 | 3215 |
| 2002-03 | 0 | 0 | 5 | 239 | 517 | 709 | 703 | 598 | 360 | 133 | 19 | 1 | 3284 |
| 2003-04 | 0 | 0 | 9 | 72 | 403 | 660 | 670 | 670 | 285 | 172 | 33 | 1 | 2975 |
| 2004- | 3 | 0 | 12 | 104 | 531 | 697 | | | | | | | |

WBAN : 23042

COOLING DEGREE DAYS (base 65°F) 2004 LUBBOCK, TX (LBB)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1975 | 0 | 0 | 0 | 49 | 107 | 383 | 332 | 392 | 155 | 49 | 0 | 0 | 1467 |
| 1976 | 0 | 1 | 0 | 45 | 93 | 369 | 317 | 406 | 187 | 4 | 0 | 0 | 1422 |
| 1977 | 0 | 0 | 0 | 19 | 221 | 435 | 482 | 455 | 379 | 36 | 0 | 0 | 2027 |
| 1978 | 0 | 0 | 12 | 85 | 230 | 426 | 562 | 417 | 248 | 46 | 0 | 0 | 2026 |
| 1979 | 0 | 0 | 0 | 44 | 183 | 371 | 524 | 394 | 264 | 98 | 0 | 0 | 1878 |
| 1980 | 0 | 0 | 0 | 32 | 172 | 549 | 605 | 488 | 272 | 48 | 3 | 0 | 2169 |
| 1981 | 0 | 0 | 3 | 84 | 137 | 443 | 524 | 356 | 187 | 42 | 0 | 0 | 1776 |
| 1982 | 0 | 5 | 11 | 34 | 141 | 265 | 476 | 504 | 289 | 58 | 0 | 0 | 1783 |
| 1983 | 0 | 0 | 2 | 27 | 101 | 291 | 490 | 486 | 313 | 70 | 2 | 0 | 1782 |
| 1984 | 0 | 0 | 0 | 13 | 219 | 363 | 420 | 416 | 217 | 30 | 1 | 0 | 1679 |
| 1985 | 0 | 0 | 6 | 52 | 187 | 324 | 462 | 518 | 264 | 22 | 0 | 0 | 1835 |
| 1986 | 0 | 3 | 15 | 79 | 190 | 334 | 528 | 400 | 209 | 26 | 0 | 0 | 1784 |
| 1987 | 0 | 0 | 0 | 48 | 149 | 338 | 456 | 452 | 187 | 44 | 7 | 0 | 1681 |
| 1988 | 0 | 0 | 6 | 24 | 158 | 394 | 450 | 467 | 210 | 37 | 3 | 0 | 1749 |
| 1989 | 0 | 0 | 26 | 134 | 274 | 292 | 517 | 442 | 182 | 93 | 0 | 0 | 1960 |
| 1990 | 0 | 0 | 5 | 50 | 231 | 590 | 401 | 423 | 270 | 41 | 9 | 0 | 2020 |
| 1991 | 0 | 0 | 6 | 52 | 295 | 386 | 461 | 404 | 167 | 81 | 0 | 0 | 1852 |
| 1992 | 0 | 0 | 1 | 61 | 121 | 328 | 495 | 364 | 258 | 72 | 0 | 0 | 1700 |
| 1993 | 0 | 0 | 0 | 42 | 181 | 408 | 541 | 470 | 229 | 51 | 0 | 0 | 1922 |
| 1994 | 0 | 0 | 10 | 62 | 186 | 536 | 536 | 496 | 265 | 69 | 11 | 0 | 2171 |
| 1995 | 0 | 0 | 20 | 52 | 142 | 363 | 559 | 472 | 206 | 28 | 1 | 0 | 1843 |
| 1996 | 0 | 2 | 2 | 50 | 371 | 415 | 469 | 372 | 152 | 58 | 1 | 0 | 1892 |
| 1997 | 0 | 0 | 9 | 11 | 109 | 294 | 493 | 439 | 304 | 80 | 0 | 0 | 1739 |
| 1998 | 0 | 0 | 13 | 21 | 297 | 510 | 594 | 378 | 349 | 89 | 0 | 0 | 2251 |
| 1999 | 0 | 0 | 4 | 32 | 139 | 318 | 490 | 516 | 204 | 32 | 1 | 0 | 1736 |
| 2000 | 0 | 0 | 0 | 55 | 334 | 281 | 487 | 512 | 326 | 86 | 0 | 0 | 2081 |
| 2001 | 0 | 0 | 0 | 71 | 189 | 478 | 640 | 462 | 222 | 50 | 4 | 0 | 2116 |
| 2002 | 0 | 0 | 3 | 90 | 200 | 414 | 465 | 521 | 238 | 37 | 0 | 0 | 1968 |
| 2003 | 0 | 0 | 4 | 79 | 214 | 290 | 550 | 520 | 189 | 87 | 16 | 0 | 1949 |
| 2004 | 0 | 0 | 30 | 37 | 273 | 356 | 450 | 336 | 185 | 30 | 0 | 0 | 1697 |

SNOWFALL (inches) 2004 LUBBOCK, TX (LBB)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | T | T | T | 0.0 | 0.0 | 0.0 | 3.4 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 7.5 | 9.1 | 0.1 | 2.0 | 1.7 | T | 0.0 | 0.0 | 0.0 | 20.4 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 5.7 | 10.2 | 0.7 | 0.0 | 0.0 | 0.0 | 16.6 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.7 | 0.8 | 8.6 | 0.6 | 0.0 | 0.0 | 0.0 | 12.2 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.0 | 3.6 | 2.9 | T | 1.4 | 0.0 | 0.0 | 13.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | 21.4 | T | 3.5 | 0.1 | T | 0.0 | 0.0 | 0.0 | 25.0 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.7 | T | 0.0 | 0.0 | 0.0 | 3.2 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 6.8 | 25.3 | 3.4 | T | 5.3 | 0.0 | 0.0 | 41.2 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.5 | 1.7 | T | 0.0 | 0.0 | 0.0 | 4.5 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 2.0 | T | T | 0.0 | 0.0 | 0.0 | 2.1 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 |
| 1986-87 | 0.0 | 0.0 | 0.0 | T | T | 5.8 | 4.9 | 3.3 | 1.3 | 0.1 | 0.0 | 0.0 | 15.4 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.3 | 0.9 | 4.7 | 0.4 | T | 0.0 | 0.0 | 10.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 3.6 | 1.4 | T | 3.9 | 0.0 | T | T | 10.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.5 | T | 0.2 | 0.0 | T | 0.0 | 1.6 |
| 1990-91 | T | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.6 | T | 0.4 | 0.0 | 0.7 | T | 2.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 2.5 | 7.4 | T | 0.0 | T | T | T | 10.7 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 5.3 | 0.6 | 0.2 | 0.8 | T | T | 0.0 | 9.8 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.1 | T | T | 2.1 | T | 0.4 | T | 0.0 | 0.0 | 2.6 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 2.2 | T | 0.4 | 0.0 | 0.0 | 0.6 | 3.2 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | | | 2.0 | 1.4 | 0.1 | T | T | 0.0 | |
| 1996-97 | 0.0 | 0.0 | 0.0 | T | T | 0.2 | 4.5 | 3.9 | 0.0 | T | 0.0 | 0.0 | 8.6 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 3.4 | T | 1.2 | 1.4 | T | 0.0 | T | 6.8 |
| 1998-99 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 5.5 | 0.0 | T | T | T | T | 5.5 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 8.3 | T | 0.0 | T | T | T | T | 8.9 |
| 2000-01 | 0.0 | 0.0 | 0.0 | T | 4.4 | 8.5 | 2.3 | 0.2 | 0.8 | T | T | T | 16.2 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 1.2 | 1.4 | 3.4 | T | T | 0.0 | T | 10.5 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | T | 0.8 | T | 0.0 | T | 0.8 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 3.1 | T | 0.0 | 0.0 | 0.0 | 4.1 |
| 2004- | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 3.7 | | | | | | | |
| POR= 55 YRS | T | 0.0 | 0.0 | 0.2 | 1.4 | 2.0 | 2.5 | 2.5 | 1.4 | 0.1 | 0.0 | 0.0 | 10.1 |

WBAN : 23042

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 (1971 - 2000). 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> |
|---|--|

2004 LUBBOCK, TEXAS (LBB)

Lubbock is located on a plateau area of Northwestern Texas that is referred to locally as the South Plains Region. The general elevation of the area is about 3,250 feet. The Region is a major part of the Llano Estacado (staked plains). The latter, which includes a large portion of Northwest Texas, is bounded on the east and southeast by an erosional escarpment that is usually referred to as the Cap Rock. The Llano Estacado extends southwestward into the upper Pecos Valley and westward into eastern New Mexico.

The South Plains are predominately flat, but contain numerous small playas (or clay lined depressions) and small stream valleys. During the rainy months the playas collect run-off water and form small lakes or ponds. The stream valleys drain into the major rivers of West Texas, but throughout most of the year these streams carry only very light flows.

The escarpment, or Cap Rock, is the primary terrain feature that causes a noticeable distortion of the smooth wind flow patterns across the South Plains. The most noticeable influence is on southeasterly winds as they are deflected upward along the face of the escarpment.

The Lubbock area is the heart of the largest cotton-producing section of Texas. Grain sorghum production and cattle feeding make significant contributions to the agroecology of the area. Irrigation from underground sources is often used as a supplement to natural rainfall to improve crop yields. The soils of the region are sandy clay loams which consist of limy clays, silts, and sands of a reddish hue.

The area is semi-arid, transitional between the desert conditions on the west and the humid climates to the east and southeast. The greatest monthly rainfall totals occur from May through September when warm moist tropical air may be carried into the area from the Gulf of Mexico. This air mass often brings moderate to heavy afternoon and evening thunderstorms, accompanied by hail. Precipitation across the area is characterized by its variability. The monthly precipitation extremes range from trace amounts in several isolated months to 14 inches.

Snow may occur from late October until April. Each snowfall is generally light and seldom remains on the ground for more than two or three days at any one period.

High winds are associated primarily with intense thunderstorms and at times may cause significant damage to structures. Winds in excess of 25 mph occasionally occur for periods of 12 hours or longer. These prolonged winds are generally associated with late winter and springtime low-pressure centers. Spring winds often bring widespread dust causing discomfort to residents for periods of several hours.

Overall, the climate of the region is rated as pleasant. Most periods of disagreeable weather are of short duration. They generally occur from the winter months into the early summer months.

The summer heat is not considered oppressive. One moderating factor is a variable, but usually gentle, wind. Intrusions of dry air from the west often reduce any discomfort from the summer heat and lower temperatures into the 60s.

The average first occurrence of temperatures below 32 degrees Fahrenheit in the fall is the first of November and the average last occurrence in the spring is in mid April.

STATION LOCATION

LUBBOCK, TEXAS

| 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 | | | | | | | | | | |
| | | | | | | GROUND | TEMPERATURE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | RAIN GAUGE | WEIGHING RAIN GAGE | 8 INCH RAIN GAGE | | | |
| *NOTE: <u>AIRPORT</u> Executive Air Terminal Municipal Airport+ + Name changed to West Texas Air Terminal on 7/25/68 and Lubbock Regional Airport in 1970 | 9/02/65 | 09/01/95 | 1 mi. E | 33°39' | 101°49' | 3254 | | 25 | c5 | c5 | %20 | e18 g4 | 4 f4 | d4 f4 | b5 h5 | | b. Commissioned 3000 ft. NE of Terminal Building temperature site 9/13/65. c. Added 09/29/71. %. Commissioned 11/01/72. d. Added 03/12/74. e. Added 08/20/74. f. Moved 100' NW 04/16/82. g. Moved to ground 04/16/82. h. Type change 07/16/85. | |
| Regional Airport | 09/01/95 | Present | NA | 33°40' | 101°49' | i3256 | | | | | | | | | | S | ASOS Commissioned 09/01/95 i. Ground elevation. | |

For Hard Copy Subscription:

Price and ordering information: NCDC Subscribing Service Center, 310 State Route 956, Building 300, Rocket Center, WV 26726.

INQUIRIES/COMMENTS CALL: Toll Free (866) 742-3322

Visit our Web Site for other weather data: www.ncdc.noaa.gov

Non-Subscription Request:

NCDC Customer Services;
Phone: 828-271-4800
Fax: 828-271-4876
Email: ncdc.orders@noaa.gov

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
CHANGE SERVICE REQUESTED

FIRST CLASS
POSTAGE & FEES PAID
United States Department of Commerce
NOAA Permit No. G - 19

* NOTES: For earlier station history see previous editions.