

2003

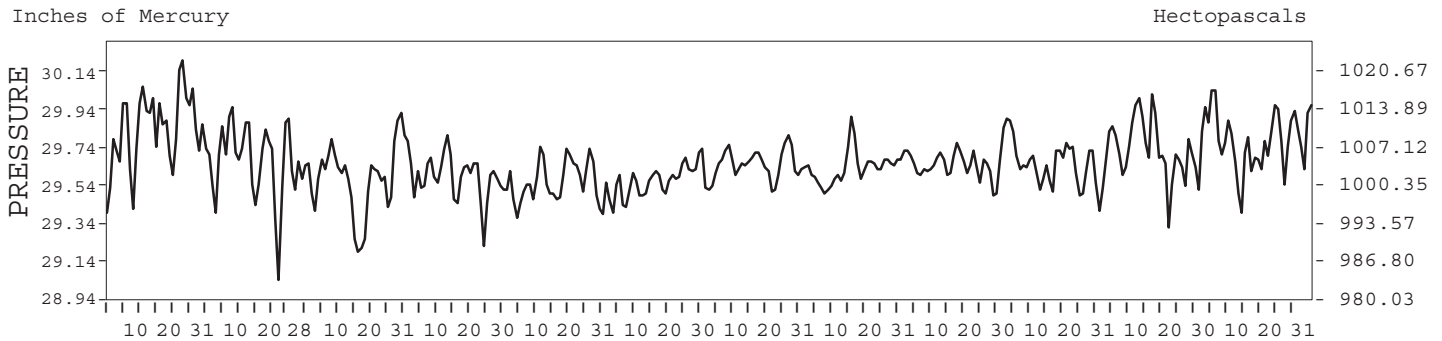
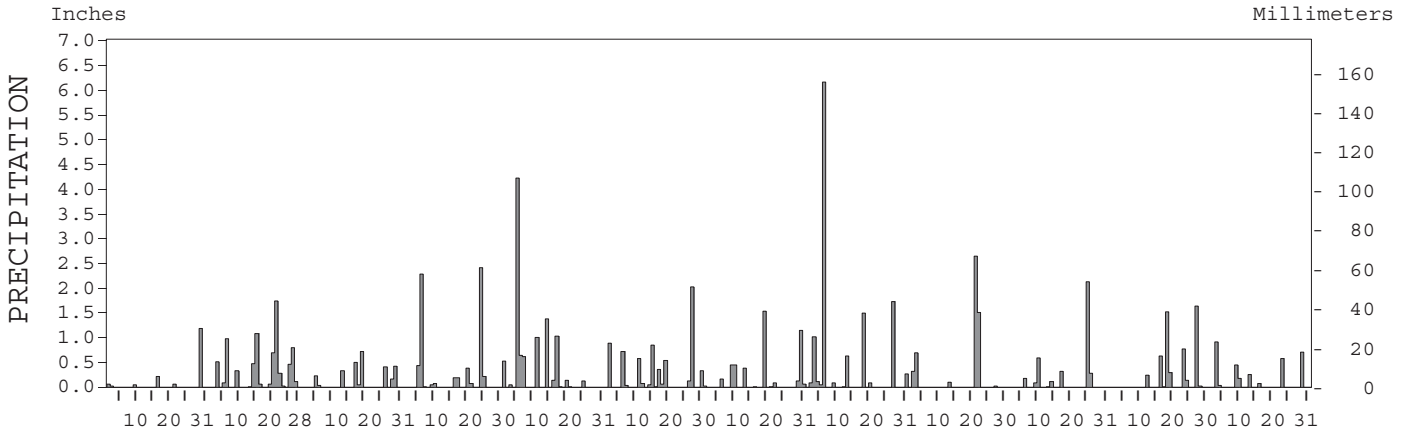
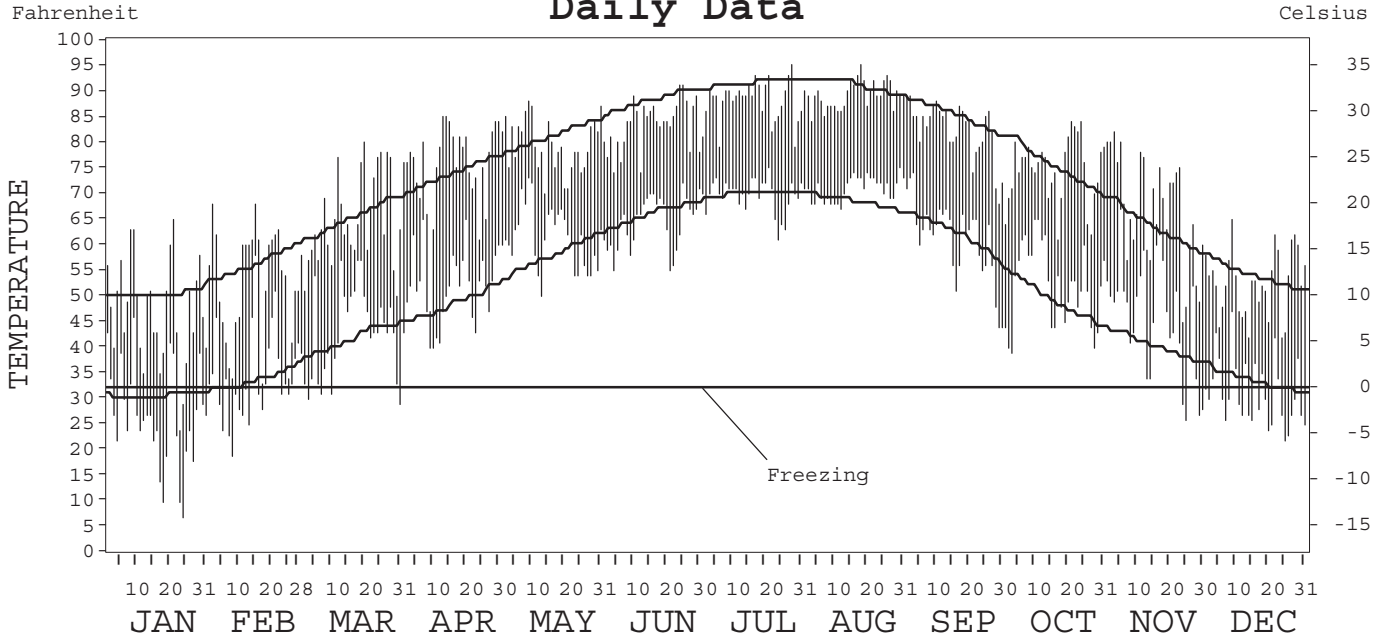
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0742-8782

TUPELO, MISSISSIPPI (TUP)

Daily Data



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|---|---|---|---|
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|---|---|---|---|

METEOROLOGICAL DATA FOR 2003

TUPELO, MS (TUP)

LATITUDE: 34° 15' 39" N LONGITUDE: 88° 46' 16" W ELEVATION (FT): GRND: 347 BARO: 350 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93862

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 47.0 | 52.4 | 64.7 | 75.2 | 79.4 | 83.4 | 87.9 | 89.2 | 82.3 | 74.5 | 66.6 | 52.6 | 71.3 | |
| | HIGHEST DAILY MAXIMUM | 65 | 68 | 80 | 85 | 88 | 91 | 95 | 95 | 89 | 84 | 82 | 65 | 95 | |
| | DATE OF OCCURRENCE | 21 | 15+ | 20 | 14+ | 09 | 25+ | 28 | 18 | 02+ | 24+ | 03 | 09 | AUG 18 | |
| | MEAN DAILY MINIMUM | 26.5 | 34.4 | 42.6 | 51.5 | 61.3 | 64.2 | 69.6 | 70.9 | 61.1 | 52.1 | 45.6 | 31.2 | 50.9 | |
| | LOWEST DAILY MINIMUM | 7 | 19 | 29 | 40 | 50 | 55 | 61 | 67 | 44 | 39 | 26 | 22 | 7 | |
| | DATE OF OCCURRENCE | 24 | 08 | 31 | 10+ | 13 | 21+ | 24 | 12 | 30+ | 03 | 25 | 25 | JAN 24 | |
| | AVERAGE DRY BULB | 36.8 | 43.4 | 53.7 | 63.4 | 70.4 | 73.8 | 78.8 | 80.1 | 71.7 | 63.3 | 56.1 | 41.9 | 61.1 | |
| | MEAN WET BULB | 33.1 | 40.7 | 49.9 | | | 68.5 | | | 65.8 | 58.2 | 51.5 | 38.1 | | |
| | MEAN DEW POINT | 26.1 | 37.2 | 45.2 | | | 65.5 | | | 62.5 | 54.9 | 46.5 | 32.7 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 14 | 0 | 0 | 0 | 0 | 0 | 28 |
| | MAXIMUM ≤ 32° | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | MINIMUM ≤ 32° | 23 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 20 | 64 | |
| | MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 865 | 596 | 345 | 97 | 1 | 0 | 0 | 0 | 21 | 100 | 282 | 709 | 3016 | |
| | COOLING DEGREE DAYS | 0 | 0 | 2 | 56 | 175 | 272 | 436 | 476 | 231 | 55 | 20 | 0 | 1723 | |
| RH | MEAN (PERCENT) | 68 | 81 | 75 | 72 | 79 | 78 | 80 | 80 | 77 | 79 | 73 | 73 | 76 | |
| | HOUR 00 LST | 73 | 86 | 84 | 85 | 89 | 90 | 92 | 92 | 90 | 92 | 80 | 81 | 86 | |
| | HOUR 06 LST | 78 | 92 | 90 | 92 | 91 | 91 | 94 | 93 | 94 | 95 | 87 | 84 | 90 | |
| | HOUR 12 LST | 58 | 72 | 63 | 54 | 67 | 66 | 65 | 62 | 57 | 59 | 59 | 60 | 62 | |
| | HOUR 18 LST | 63 | 75 | 63 | 56 | 68 | 65 | 67 | 72 | 70 | 73 | 69 | 69 | 68 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 6 | 6 | 0 | 18 | |
| | THUNDERSTORMS | 1 | 1 | 6 | 7 | 9 | 9 | 12 | 12 | 4 | 3 | 0 | 1 | 65 | |
| CLOUDINESS | SUNRISE-SUNSET: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | | | | | | | | | | | | | | | |
| PARTLY CLOUDY | | | | | | | | | | | | | | | |
| CLOUDY | | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESS. (IN.) | 29.84 | 29.67 | 29.58 | 29.60 | 29.56 | 29.57 | 29.65 | 29.64 | 29.66 | 29.65 | 29.75 | 29.78 | 29.66 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.23 | 30.06 | 29.96 | | | 29.94 | | | 30.04 | 30.04 | 30.13 | 30.17 | | |
| WINDS | RESULTANT SPEED (MPH) | 2.5 | | 0.4 | 2.0 | 0.5 | 1.0 | 0.6 | 1.1 | 1.4 | 0.5 | 1.1 | 1.1 | | |
| | RES. DIR. (TENS OF DEGS.) | 32 | | 02 | 26 | 27 | 15 | 28 | 17 | 03 | 18 | 16 | 22 | | |
| | MEAN SPEED (MPH) | 7.8 | 7.0 | 6.9 | 7.4 | 7.3 | 5.4 | 4.5 | 4.7 | 5.4 | 4.8 | 7.3 | 7.2 | 6.3 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 01 | 18 | 02 | 18 | 17 | 01 | 19 | 01 | 01 | 01 | 18 | 17 | 18 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 25 | 32 | 28 | 30 | 35 | 25 | 25 | 30 | 20 | 23 | 32 | 24 | 35 | |
| | DIR. (TENS OF DEGS.) | 01 | 22 | 21 | 18 | 26 | 33 | 30 | 28 | 15 | 32 | 18 | 14 | 26 | |
| | DATE OF OCCURRENCE | 29+ | 22 | 20 | 16 | 05 | 11 | 22 | 27 | 13 | 14 | 18 | 09+ | MAY 05 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 47 | 35 | 38 | 46 | 37 | 33 | 38 | 24 | 32 | 44 | 31 | 47 | |
| DIR. (TENS OF DEGS.) | 01 | 23 | 22 | 18 | 26 | 27 | 29 | 27 | 01 | 33 | 31 | 27 | 23 | | |
| DATE OF OCCURRENCE | 23 | 22 | 20 | 16 | 05 | 11 | 22+ | 27 | 28+ | 14 | 28 | 10+ | FEB 22 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.57 | 7.66 | 2.84 | 6.28 | 9.85 | 6.61 | 4.40 | 11.70 | 5.27 | 3.70 | 5.25 | 3.15 | 68.28 | |
| | GREATEST 24-HOUR (IN.) | 1.18 | 1.78 | 0.76 | 2.60 | 4.70 | 2.14 | 1.53 | 6.15 | 4.15 | 2.40 | 1.75 | 0.94 | 6.15 | |
| | DATE OF OCCURRENCE | 29 | 21-22 | 18-19 | 24-25 | 05-06 | 26-27 | 19 | 06 | 21-22 | 25-26 | 18-19 | 03-04 | AUG 06 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 6 | 16 | 9 | 11 | 13 | 14 | 12 | 12 | 6 | 8 | 9 | 8 | 124 | |
| PRECIPITATION ≥ 0.10 | 2 | 11 | 7 | 7 | 10 | 9 | 7 | 7 | 5 | 6 | 7 | 6 | 84 | | |
| PRECIPITATION ≥ 1.00 | 1 | 2 | 0 | 2 | 4 | 1 | 2 | 4 | 2 | 1 | 2 | 0 | 21 | | |
| 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

TUPELO, MS (TUP)

LATITUDE: 34° 15' 39" N LONGITUDE: 88° 46' 16" W ELEVATION (FT): GRND: 347 BARO: 350 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93862

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 50.3 | 56.0 | 64.8 | 73.5 | 81.0 | 88.0 | 91.4 | 90.9 | 84.9 | 74.9 | 63.0 | 53.6 | 72.7 |
| | MEAN DAILY MAXIMUM | 38 | 50.9 | 56.4 | 65.3 | 74.9 | 81.7 | 88.6 | 91.6 | 90.9 | 85.3 | 75.5 | 64.0 | 54.5 | 73.3 |
| | HIGHEST DAILY MAXIMUM | 19 | 77 | 84 | 84 | 93 | 94 | 101 | 105 | 106 | 103 | 92 | 86 | 79 | 106 |
| | YEAR OF OCCURRENCE | | 2002 | 1996 | 1997 | 1987 | 1996 | 1988 | 1986 | 2000 | 1990 | 2000 | 2000 | 1998 | AUG 2000 |
| | MEAN OF EXTREME MAXS. | 20 | 68.7 | 74.6 | 80.9 | 86.0 | 90.5 | 95.4 | 97.7 | 97.4 | 94.6 | 86.8 | 79.5 | 70.6 | 85.2 |
| | NORMAL DAILY MINIMUM | 30 | 30.5 | 33.5 | 41.4 | 48.2 | 57.7 | 65.7 | 69.8 | 68.2 | 61.7 | 48.8 | 40.0 | 33.2 | 49.9 |
| | MEAN DAILY MINIMUM | 38 | 30.3 | 33.2 | 40.8 | 49.4 | 57.5 | 65.6 | 69.7 | 68.2 | 61.7 | 48.8 | 40.3 | 33.3 | 49.9 |
| | LOWEST DAILY MINIMUM | 19 | -6 | 4 | 16 | 29 | 40 | 49 | 58 | 52 | 40 | 29 | 19 | -3 | -6 |
| | YEAR OF OCCURRENCE | | 1985 | 1996 | 1996 | 1992 | 1994 | 1984 | 1990 | 1986 | 2001 | 1993 | 1997 | 1989 | JAN 1985 |
| | MEAN OF EXTREME MINS. | 20 | 14.4 | 18.3 | 25.8 | 33.8 | 46.1 | 55.8 | 63.3 | 60.7 | 46.8 | 35.4 | 25.8 | 18.0 | 37.0 |
| | NORMAL DRY BULB | 30 | 40.4 | 44.8 | 53.1 | 60.9 | 69.4 | 76.9 | 80.6 | 79.6 | 73.3 | 61.9 | 51.5 | 43.4 | 61.3 |
| | MEAN DRY BULB | 20 | 41.4 | 46.5 | 53.5 | 62.0 | 70.3 | 77.7 | 81.2 | 80.1 | 73.9 | 62.9 | 52.9 | 43.8 | 62.2 |
| | MEAN WET BULB | 16 | 37.0 | 42.5 | 47.6 | 55.1 | 63.7 | 70.5 | 73.6 | 72.2 | 66.7 | 56.9 | 48.2 | 40.1 | 56.2 |
| | MEAN DEW POINT | 16 | 31.5 | 36.9 | 41.4 | 49.2 | 59.4 | 66.9 | 70.8 | 68.8 | 62.7 | 52.2 | 43.2 | 35.3 | 51.5 |
| NORMAL NO. DAYS WITH: | MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.3 | 2.8 | 13.6 | 21.8 | 20.7 | 8.9 | 0.6 | 0.0 | 0.0 | 68.7 |
| | MAXIMUM ≤ 32° | 30 | 1.9 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.7 |
| | MINIMUM ≤ 32° | 30 | 18.0 | 12.9 | 6.2 | 1.9 | * | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 8.5 | 14.9 | 64.1 |
| | MINIMUM ≤ 0° | 30 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 750 | 559 | 368 | 160 | 29 | 1 | 0 | 0 | 14 | 150 | 400 | 655 | 3086 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 1 | 14 | 50 | 171 | 364 | 488 | 453 | 274 | 60 | 8 | 1 | 1884 |
| RH | NORMAL (PERCENT) | 30 | 73 | 70 | 66 | 66 | 72 | 73 | 74 | 73 | 72 | 72 | 72 | 74 | 71 |
| | HOUR 00 LST | 30 | 79 | 77 | 74 | 77 | 84 | 86 | 87 | 87 | 86 | 84 | 80 | 79 | 82 |
| | HOUR 06 LST | 30 | 82 | 82 | 81 | 85 | 88 | 89 | 91 | 92 | 91 | 89 | 86 | 83 | 87 |
| | HOUR 12 LST | 30 | 64 | 60 | 54 | 52 | 56 | 57 | 58 | 55 | 55 | 53 | 59 | 64 | 57 |
| | HOUR 18 LST | 30 | 67 | 61 | 55 | 53 | 59 | 61 | 61 | 60 | 62 | 62 | 66 | 68 | 61 |
| S | PERCENT POSSIBLE SUNSHINE | 11 | 54 | 51 | 57 | 74 | 72 | 74 | 75 | 73 | 71 | 63 | 52 | 47 | 64 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG (VISBY ≤ 1/4 MI) | 19 | 2.6 | 1.6 | 1.3 | 1.0 | 1.1 | 1.0 | 0.8 | 1.8 | 1.1 | 2.8 | 2.6 | 1.7 | 19.4 |
| | THUNDERSTORMS | 19 | 2.0 | 2.8 | 4.8 | 5.7 | 8.1 | 9.6 | 10.2 | 7.5 | 4.3 | 2.5 | 2.7 | 1.8 | 62.0 |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | 1 | 7.2 | 5.6 | | 4.0 | 3.2 | 4.8 | 3.2 | 2.4 | 3.2 | 5.6 | 5.6 | 6.4 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | 7.2 | 5.6 | | 3.2 | 3.2 | 4.0 | 3.2 | 2.4 | 3.2 | 5.2 | 6.4 | 6.4 | |
| | MEAN NO. DAYS WITH: CLEAR | 2 | 9.5 | 9.0 | 9.5 | 14.0 | 17.5 | 7.0 | 8.0 | 10.0 | 4.0 | 7.0 | 5.0 | 3.0 | 103.5 |
| | PARTLY CLOUDY | 1 | 3.0 | 4.0 | | 4.0 | 4.0 | 11.0 | 7.0 | 7.0 | 1.0 | 2.0 | 1.0 | 3.0 | |
| CLOUDY | 2 | 14.5 | 13.5 | 8.0 | | 5.0 | 8.5 | 6.5 | 11.0 | 3.0 | 9.0 | 9.0 | 7.0 | 96.0 | |
| PR | MEAN STATION PRESSURE (IN) | 17 | 29.77 | 29.73 | 29.66 | 29.62 | 29.61 | 29.60 | 29.65 | 29.64 | 29.65 | 29.72 | 29.73 | 29.78 | 29.68 |
| | MEAN SEA-LEVEL PRES. (IN) | 13 | 30.17 | 30.13 | 30.05 | 30.01 | 29.99 | 29.97 | 30.03 | 30.01 | 30.02 | 30.11 | 30.11 | 30.18 | 30.06 |
| WINDS | MEAN SPEED (MPH) | 20 | 7.6 | 8.1 | 8.3 | 7.8 | 6.7 | 5.7 | 5.3 | 5.0 | 5.9 | 5.8 | 6.9 | 7.5 | 6.7 |
| | PREVAIL. DIR (TENS OF DEGS) | 21 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 01 | 01 | 01 | 18 | 18 | 18 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 10 | 39 | 35 | 33 | 31 | 41 | 41 | 48 | 30 | 30 | 38 | 32 | 33 | 48 |
| | DIR. (TENS OF DEGS) | | 24 | 25 | 14 | 17 | 31 | 02 | 35 | 28 | 30 | 25 | 18 | 17 | 35 |
| | YEAR OF OCCURRENCE | | 1996 | 1999 | 1999 | 2002 | 2000 | 1997 | 1998 | 2003 | 1996 | 1997 | 2003 | 2001 | JUL 1998 |
| | MAXIMUM 5-SECOND: SPEED (MPH) | 10 | 53 | 48 | 48 | 40 | 60 | 52 | 63 | 38 | 43 | 53 | 44 | 41 | 63 |
| DIR. (TENS OF DEGS) | | 23 | 25 | 26 | 34 | 31 | 12 | 36 | 27 | 29 | 26 | 31 | 15 | 36 | |
| YEAR OF OCCURRENCE | | 1996 | 1999 | 1997 | 2000 | 2000 | 1997 | 1998 | 2003 | 1996 | 1997 | 2003 | 2002 | JUL 1998 | |
| PRECIPITATION | NORMAL (IN) | 30 | 5.14 | 4.68 | 6.30 | 4.94 | 5.80 | 4.82 | 3.65 | 2.67 | 3.35 | 3.38 | 5.01 | 6.12 | 55.86 |
| | MAXIMUM MONTHLY (IN) | 19 | 11.58 | 10.90 | 9.34 | 12.16 | 17.56 | 11.37 | 7.33 | 11.70 | 10.64 | 7.90 | 9.64 | 14.49 | 17.56 |
| | YEAR OF OCCURRENCE | | 1999 | 1991 | 1994 | 1991 | 1991 | 1997 | 1996 | 2003 | 2002 | 1984 | 1986 | 1990 | MAY 1991 |
| | MINIMUM MONTHLY (IN) | 19 | 0.30 | 2.33 | 2.13 | 0.46 | 1.34 | 0.17 | 0.48 | 0.39 | 0.05 | 0.36 | 1.50 | 1.57 | 0.05 |
| | YEAR OF OCCURRENCE | | 1986 | 1988 | 1985 | 1986 | 1992 | 1988 | 1986 | 1999 | 1999 | 1989 | 1985 | 1984 | SEP 1999 |
| | MAXIMUM IN 24 HOURS (IN) | 19 | 3.75 | 5.91 | 4.85 | 4.16 | 8.59 | 3.52 | 3.60 | 6.15 | 7.23 | 4.20 | 3.81 | 7.17 | 8.59 |
| | YEAR OF OCCURRENCE | | 1999 | 1991 | 1997 | 2001 | 1991 | 1997 | 1993 | 2003 | 2002 | 2001 | 2001 | 1983 | MAY 1991 |
| NORMAL NO. DAYS WITH: PRECIPITATION ≥ 0.01 | 30 | 10.8 | 9.4 | 11.0 | 9.2 | 10.4 | 9.7 | 9.6 | 7.2 | 7.5 | 6.9 | 9.2 | 10.7 | 111.6 | |
| PRECIPITATION ≥ 1.00 | 30 | 1.6 | 1.4 | 2.0 | 1.8 | 1.8 | 1.4 | 0.8 | 0.7 | 0.9 | 1.1 | 1.6 | 2.0 | 17.1 | |
| SNOWFALL | NORMAL (IN) | 30 | 0.8 | 0.6 | 0.1 | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.* | 0.* | 0.2 | 1.7 | |
| | MAXIMUM MONTHLY (IN) | 15 | 7.2 | 5.3 | 1.7 | 0.4 | T | 0.0 | T | 0.0 | T | 0.1 | 2.2 | 7.2 | |
| | YEAR OF OCCURRENCE | | 1988 | 1985 | 1993 | 1987 | 1989 | | 1990 | | 1993 | 1991 | 1983 | JAN 1988 | |
| | MAXIMUM IN 24 HOURS (IN) | 15 | 6.9 | 3.1 | 1.7 | 0.4 | T | 0.0 | T | 0.0 | T | 0.1 | 1.9 | 6.9 | |
| | YEAR OF OCCURRENCE | | 1988 | 1985 | 1993 | 1987 | 1989 | 0 | 1990 | 0 | 1993 | 1991 | 1983 | JAN 1988 | |
| | MAXIMUM SNOW DEPTH (IN) | 16 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | T | 2 | 6 | |
| | YEAR OF OCCURRENCE | | 1988 | 1985 | 1984 | | | | | | | 1991 | 1983 | JAN 1988 | |
| NORMAL NO. DAYS WITH: SNOWFALL ≥ 1.0 | 30 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | |

PRECIPITATION (inches) 2003 TUPELO, MS (TUP)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|-------|-------|------|-------|-------|-------|------|-------|-------|------|------|-------|--------|
| 1983 | | | | | | | 3.05 | 0.59 | 2.56 | 3.61 | 7.03 | 13.69 | |
| 1984 | 2.87 | 3.39 | 3.53 | 5.88 | 8.44 | 0.59 | 1.90 | 1.79 | 1.30 | 7.90 | 5.54 | 1.57 | 44.70 |
| 1985 | 3.75 | 5.18 | 2.13 | 4.94 | 5.35 | 3.02 | 2.82 | 6.22 | 2.86 | 7.35 | 1.50 | 1.68 | 46.80 |
| 1986 | 0.30 | 3.47 | 3.38 | 0.46 | 5.19 | 6.57 | 0.48 | 3.36 | 2.86 | 5.81 | 9.64 | 5.18 | 46.70 |
| 1987 | 2.68 | 6.37 | 2.40 | 1.20 | 5.49 | 3.96 | 1.50 | 2.08 | 2.13 | 1.03 | 6.26 | 4.78 | 39.88 |
| 1988 | 2.41 | 2.33 | 3.59 | 3.37 | 2.92 | 0.17 | 2.32 | 1.23 | 6.31 | 3.88 | 4.05 | 5.05 | 37.63 |
| 1989 | 6.98 | 9.88 | 3.68 | 2.31 | 3.79 | 11.08 | 6.27 | 2.78 | 5.48 | 0.36 | 4.07 | 2.89 | 59.57 |
| 1990 | 5.84 | 9.40 | 6.35 | 2.50 | 4.26 | 2.57 | 2.01 | 1.02 | 2.41 | 3.40 | 3.07 | 14.49 | 57.32 |
| 1991 | 3.12 | 10.90 | 6.25 | 12.16 | 17.56 | 6.22 | 0.76 | 3.16 | 3.06 | 1.58 | 5.36 | 10.92 | 81.05 |
| 1992 | 1.53 | 3.17 | 4.05 | 2.38 | 1.34 | 7.11 | 2.99 | 4.54 | 2.46 | 2.65 | 6.70 | 4.13 | 43.05 |
| 1993 | 2.94 | 3.24 | 4.05 | 4.63 | 5.78 | 2.67 | 3.80 | 6.05 | 5.45 | 2.45 | 2.88 | 4.80 | 48.74 |
| 1994 | 4.59 | 6.49 | 9.34 | 2.51 | 3.78 | 5.60 | 6.51 | 0.93 | 1.27 | 4.33 | 3.35 | 4.76 | 53.46 |
| 1995 | 3.90 | 4.08 | 8.97 | 7.14 | 3.60 | 6.79 | 2.63 | 4.74 | 0.61 | 3.18 | 5.02 | 6.39 | 57.05 |
| 1996 | 5.91 | 3.66 | 4.65 | 6.09 | 2.05 | 8.71 | 7.33 | 2.91 | 6.05 | 2.46 | 6.97 | 6.41 | 63.20 |
| 1997 | 6.50 | 4.31 | 7.43 | 3.82 | 8.42 | 11.37 | 4.60 | 4.84 | 1.73 | 4.94 | 2.12 | 3.71 | 63.79 |
| 1998 | 6.26 | 5.94 | 5.99 | 4.53 | 1.91 | 1.61 | 7.16 | 3.19 | 0.06 | 3.12 | 3.20 | 8.07 | 51.04 |
| 1999 | 11.58 | 2.87 | 8.03 | 7.03 | 3.25 | 6.94 | 2.40 | 0.39 | 0.05 | 1.67 | 1.93 | 3.63 | 49.77 |
| 2000 | 3.35 | 3.65 | 5.13 | 8.20 | 1.39 | 5.66 | 0.56 | 1.36 | 1.91 | 0.55 | 9.43 | 5.43 | 46.62 |
| 2001 | 5.76 | 7.65 | 3.82 | 8.35 | 5.70 | 2.97 | 2.86 | 6.16 | 2.47 | 7.74 | 6.24 | 6.55 | 66.27 |
| 2002 | 7.83 | 2.54 | 8.28 | 2.68 | 6.65 | 1.52 | 6.04 | 1.77 | 10.64 | 6.28 | 3.96 | 7.08 | 65.27 |
| 2003 | 1.57 | 7.66 | 2.84 | 6.28 | 9.85 | 6.61 | 4.40 | 11.70 | 5.27 | 3.70 | 5.25 | 3.15 | 68.28 |
| POR= 20 YRS | 4.49 | 5.33 | 5.22 | 4.84 | 5.36 | 4.67 | 3.49 | 3.41 | 3.21 | 3.73 | 4.95 | 5.92 | 54.62 |

WBAN : 93862

AVERAGE TEMPERATURE (°F) 2003 TUPELO, MS (TUP)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1983 | | | | | | | 82.1 | 83.1 | 72.8 | 64.2 | 55.6 | 36.5 | |
| 1984 | 36.2 | 46.8 | 51.5 | 59.9 | 68.7 | 79.3 | 79.7 | 78.9 | 72.0 | 69.0 | 49.7 | 53.3 | 62.1 |
| 1985 | 32.1 | 40.4 | 57.0 | 63.8 | 70.6 | 78.1 | 80.3 | 78.4 | 71.7 | 66.1 | 59.1 | 37.7 | 61.3 |
| 1986 | 40.7 | 48.8 | 54.4 | 63.0 | 71.9 | 79.3 | 84.6 | 79.0 | 77.8 | 63.3 | 54.1 | 42.9 | 63.3 |
| 1987 | 40.9 | 47.4 | 55.6 | 61.1 | 75.0 | 78.5 | 81.4 | 82.8 | 74.4 | 57.6 | 54.3 | 48.0 | 63.1 |
| 1988 | 37.3 | 42.6 | 52.6 | 62.7 | 69.7 | 78.1 | 80.9 | 83.1 | 75.9 | 58.3 | 55.0 | 45.0 | 61.8 |
| 1989 | 48.0 | 43.3 | 55.2 | 61.2 | 68.8 | 76.4 | 79.6 | 79.5 | 71.7 | 62.2 | 53.3 | 34.8 | 61.2 |
| 1990 | 48.2 | 52.6 | 56.1 | 61.1 | 68.5 | 79.0 | 80.9 | 81.1 | 77.6 | 61.7 | 56.1 | 46.7 | 64.1 |
| 1991 | 42.3 | 47.9 | 55.1 | 64.8 | 73.8 | 79.1 | 83.3 | 80.6 | 75.4 | 64.5 | 49.2 | 47.7 | 63.6 |
| 1992 | 42.3 | 48.5 | 53.0 | 61.9 | 69.2 | 75.2 | 80.6 | 76.0 | 72.5 | 62.1 | 51.0 | 44.7 | 61.4 |
| 1993 | 44.9 | 43.8 | 50.9 | 58.5 | 68.9 | 77.4 | 83.6 | 80.6 | 71.4 | 60.2 | 49.8 | 43.3 | 61.1 |
| 1994 | 36.9 | 46.0 | 52.7 | 64.2 | 66.7 | 78.3 | 77.9 | 77.5 | 71.0 | 62.7 | 55.1 | 47.3 | 61.4 |
| 1995 | 42.3 | 44.2 | 55.4 | 62.3 | 70.7 | 75.0 | 80.3 | 82.7 | 72.0 | 61.9 | 46.6 | 42.9 | 61.4 |
| 1996 | 40.1 | 44.2 | 48.3 | 58.7 | 72.9 | 77.5 | 79.4 | 78.2 | 71.6 | 62.6 | 50.3 | 47.4 | 60.9 |
| 1997 | 41.4 | 48.7 | 57.7 | 57.1 | 65.6 | 74.3 | 80.6 | 77.9 | 73.3 | 60.7 | 47.7 | 41.7 | 60.6 |
| 1998 | 45.2 | 47.8 | 51.9 | 60.2 | 73.2 | 81.5 | 82.0 | 80.2 | 78.6 | 66.1 | 54.9 | 45.9 | 64.0 |
| 1999 | 47.1 | 50.4 | 50.1 | 66.6 | 70.4 | 78.2 | 83.0 | 82.7 | 74.5 | 63.5 | 56.1 | 45.6 | 64.0 |
| 2000 | 43.2 | 50.5 | 57.3 | 59.6 | 73.6 | 78.2 | 81.7 | 83.5 | 74.8 | 66.1 | 50.2 | 33.9 | 62.7 |
| 2001 | 37.7 | 47.8 | 48.5 | 64.9 | 69.6 | 76.0 | 81.4 | 79.2 | 71.6 | 59.4 | 56.2 | 47.9 | 61.7 |
| 2002 | 45.9 | 43.7 | 53.1 | 64.6 | 68.1 | 78.1 | 81.4 | 80.8 | 77.4 | 64.4 | 48.7 | 43.8 | 62.5 |
| 2003 | 36.8 | 43.4 | 53.7 | 63.4 | 70.4 | 73.8 | 78.8 | 80.1 | 71.7 | 63.3 | 56.1 | 41.9 | 61.1 |
| POR= 20 YRS | 41.5 | 46.4 | 53.6 | 62.1 | 70.4 | 77.6 | 81.1 | 80.2 | 73.9 | 62.9 | 52.7 | 43.7 | 62.2 |

HEATING DEGREE DAYS (base 65°F) 2003 TUPELO, MS (TUP)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1983-84 | 0 | 0 | 29 | 91 | 405 | 876 | 886 | 524 | 421 | 181 | 37 | 0 | 3450 |
| 1984-85 | 0 | 0 | 22 | 36 | 458 | 363 | 1016 | 685 | 272 | 119 | 7 | 0 | 2978 |
| 1985-86 | 0 | 0 | 19 | 63 | 216 | 838 | 749 | 451 | 328 | 115 | 14 | 0 | 2793 |
| 1986-87 | 0 | 0 | 0 | 115 | 324 | 676 | 740 | 487 | 289 | 165 | 0 | 0 | 2796 |
| 1987-88 | 0 | 0 | 0 | 229 | 323 | 521 | 852 | 642 | 388 | 106 | 6 | 0 | 3067 |
| 1988-89 | 0 | 0 | 0 | 216 | 300 | 612 | 518 | 607 | 320 | 193 | 55 | 0 | 2821 |
| 1989-90 | 0 | 0 | 27 | 135 | 359 | 931 | 512 | 350 | 292 | 176 | 43 | 0 | 2825 |
| 1990-91 | 0 | 0 | 14 | 177 | 276 | 557 | 699 | 473 | 331 | 59 | 9 | 0 | 2595 |
| 1991-92 | 0 | 0 | 18 | 106 | 477 | 531 | 699 | 472 | 366 | 159 | 33 | 0 | 2861 |
| 1992-93 | 0 | 0 | 12 | 102 | 418 | 624 | 617 | 588 | 432 | 209 | 22 | 3 | 3027 |
| 1993-94 | 0 | 0 | 21 | 190 | 464 | 665 | 864 | 529 | 375 | 114 | 50 | 0 | 3272 |
| 1994-95 | 0 | 0 | 17 | 114 | 298 | 541 | 695 | 576 | 305 | 120 | 28 | 0 | 2694 |
| 1995-96 | 0 | 0 | 18 | 142 | 545 | 679 | 760 | 607 | 514 | 215 | 13 | 0 | 3493 |
| 1996-97 | 0 | 0 | 10 | 121 | 439 | 541 | 728 | 451 | 238 | 239 | 61 | 0 | 2828 |
| 1997-98 | 0 | 0 | 0 | 203 | 513 | 714 | 610 | 477 | 429 | 171 | 6 | 2 | 3125 |
| 1998-99 | 0 | 0 | 0 | 71 | 299 | 597 | 551 | 406 | 453 | 74 | 3 | 0 | 2454 |
| 1999-00 | 0 | 0 | 12 | 118 | 261 | 596 | 669 | 419 | 247 | 171 | 3 | 0 | 2496 |
| 2000-01 | 0 | 0 | 12 | 93 | 460 | 956 | 841 | 478 | 508 | 90 | 5 | 0 | 3443 |
| 2001-02 | 0 | 0 | 35 | 203 | 257 | 524 | 594 | 588 | 383 | 106 | 57 | 0 | 2747 |
| 2002-03 | 0 | 0 | 0 | 113 | 488 | 651 | 865 | 596 | 345 | 97 | 1 | 0 | 3156 |
| 2003- | 0 | 0 | 21 | 100 | 282 | 709 | | | | | | | |

WBAN : 93862

COOLING DEGREE DAYS (base 65°F) 2003 TUPELO, MS (TUP)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1983 | | | | | | | 537 | 566 | 276 | 73 | 8 | 0 | |
| 1984 | 0 | 0 | 8 | 38 | 159 | 437 | 465 | 438 | 239 | 165 | 4 | 8 | 1961 |
| 1985 | 0 | 1 | 32 | 89 | 188 | 400 | 480 | 423 | 228 | 105 | 44 | 0 | 1990 |
| 1986 | 0 | 1 | 6 | 61 | 237 | 433 | 616 | 443 | 389 | 71 | 5 | 0 | 2262 |
| 1987 | 0 | 0 | 5 | 55 | 318 | 409 | 513 | 559 | 288 | 6 | 10 | 0 | 2163 |
| 1988 | 0 | 0 | 9 | 43 | 159 | 399 | 500 | 568 | 334 | 14 | 4 | 0 | 2030 |
| 1989 | 0 | 5 | 24 | 88 | 182 | 347 | 461 | 458 | 236 | 54 | 12 | 0 | 1867 |
| 1990 | 0 | 6 | 25 | 65 | 158 | 427 | 499 | 506 | 397 | 80 | 14 | 0 | 2177 |
| 1991 | 0 | 0 | 29 | 61 | 287 | 433 | 575 | 491 | 334 | 98 | 7 | 0 | 2315 |
| 1992 | 0 | 0 | 1 | 72 | 170 | 316 | 494 | 346 | 242 | 18 | 5 | 0 | 1664 |
| 1993 | 0 | 0 | 2 | 23 | 151 | 381 | 583 | 490 | 219 | 52 | 12 | 0 | 1913 |
| 1994 | 0 | 1 | 1 | 94 | 108 | 406 | 404 | 393 | 205 | 52 | 7 | 0 | 1671 |
| 1995 | 1 | 0 | 16 | 48 | 217 | 309 | 482 | 554 | 238 | 57 | 0 | 0 | 1922 |
| 1996 | 0 | 10 | 5 | 33 | 262 | 382 | 455 | 416 | 217 | 57 | 5 | 0 | 1842 |
| 1997 | 3 | 0 | 17 | 9 | 84 | 289 | 492 | 407 | 256 | 77 | 0 | 0 | 1634 |
| 1998 | 0 | 0 | 28 | 35 | 265 | 504 | 536 | 474 | 414 | 112 | 2 | 8 | 2378 |
| 1999 | 2 | 3 | 0 | 129 | 177 | 404 | 565 | 556 | 306 | 78 | 0 | 1 | 2221 |
| 2000 | 0 | 4 | 14 | 13 | 277 | 405 | 526 | 579 | 309 | 138 | 21 | 0 | 2286 |
| 2001 | 0 | 2 | 0 | 92 | 155 | 336 | 516 | 446 | 242 | 36 | 1 | 0 | 1826 |
| 2002 | 7 | 0 | 20 | 98 | 159 | 400 | 517 | 497 | 378 | 99 | 7 | 0 | 2182 |
| 2003 | 0 | 0 | 2 | 56 | 175 | 272 | 436 | 476 | 231 | 55 | 20 | 0 | 1723 |

SNOWFALL (inches) 2003 TUPELO, MS (TUP)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 1.8 | 0.8 | 1.7 | 0.0 | 0.0 | 0.0 | 6.5 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | T | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | T | T | 0.4 | 0.0 | 0.0 | 0.6 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.3 | T | 0.0 | T | 0.0 | 0.9 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.3 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.3 |
| 1990-91 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | T | T | 0.0 | 0.0 | 0.0 | 0.1 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.7 | 0.0 | 0.0 | 0.0 | 1.7 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 1.2 | T | T | T | 0.0 | 1.2 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.9 | 0.0 | T | 0.0 | 0.0 | 0.0 | 3.1 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 0.1 | T | 0.0 | 0.0 | 0.0 | 0.4 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003- | | | | | | | | | | | | | |
| POR= 17 YRS | T | 0.0 | 0.0 | T | T | 0.3 | 0.3 | 0.8 | T | T | T | 0.0 | 1.4 |

WBAN : 93862

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 (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> |
|--|---|

2003
TUPELO,
MISSISSIPPI (TUP)

Tupelo is located in the Black Prairie physiographic region of Mississippi. The surface is flat to gently undulating, underlain by soft limestone which has weathered into dark, fertile soils. The Black Prairie is largely devoid of trees, although precipitation in the region is more than sufficient for forest growth. The Black Prairie is bordered by the Fall Line Hills on the east and the Pontotoc Ridge on the west, thus being situated as a low, flat region from 20 to 25 miles wide trending northwest-southeast in the northeastern corner of Mississippi.

Agricultural interests are varied, but the region is a major producer of soybeans and livestock. Tupelo is the dominant urban center of the region, and population is projected to continue to increase in the future. Manufacturing and industry are growing rapidly in the area, enhanced by recent completion of the Tenn-Tom Waterway. Water supply for the growing municipal and industrial demand has been identified as a potential problem in the region as ground water is being used faster than it can be replenished by natural processes.

Average annual precipitation of over 50 inches is well distributed throughout the year. On average,

about half the annual total falls between April and September, with March being the wettest month and October the driest month. There is a 90 percent probability that the freeze-free period will be longer than six months, with a 50 percent chance for a freeze before the end of October and after the first of April. Maximum temperatures over 90 degrees are expected on 78 days between May and September, with freezes expected on 66 days between October and March.

Record temperatures of over 105 degrees and below -10 degrees have been observed at Tupelo. Snow is not infrequent during the winter, although amounts average less than two and one-half inches each year. However, accumulations greater than 10 inches have been recorded. Frontal passages are common features of the climate from fall through spring, and there are seasonal occurrences of thunderstorms. Tornadoes, though quite rare, have occurred in the region, particularly during late spring. Precipitation amounts of one-half inch or more are expected on 37 days each year, with one-tenth inch or more expected on 73 days. Daily totals of precipitation have exceeded six inches on several occasions.

STATION LOCATION

TUPELO, MISSISSIPPI

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * REMARKS | |
|--|---------------|-------------|---|-------------------|-------------------|---------------------------------|-----------------|---------------------|--------------|-----------------|---------------|--------------------|------------------|----------|--------|---|------------|
| | | | | | | SEA LEVEL GROUND TEMPERATURE | GROUND | | | | | | | | | | HYGROMETER |
| | | | | | | | WIND INSTRUMENT | EXTREME THERMOMETER | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | WEIGHING RAIN GAGE | 8 INCH RAIN GAGE | | | | |
| *NOTE: <u>AIRPORT</u> C.D. Lemmons Airport | 4/1/83 | 06/01/93 | NA | 34°16' | 88°46' | 349 | M25 b30 | 5 | 5 | M25 a6 | 5 | 5 | 5 | M5 c5 | M d | M. RAMOS installed 12/3/82. First LCD published 7/1983. First LCD annual 1984. a. Moved to a site 250' NW of crash station 10/16/83. b. Moved to same site as above 8/01/85. c. Moved to same site as "a" & type change 9/07/85. d. RAMOS removed 10/22/85. | |
| Tupelo Muni/Lemons Airport | 06/01/93 | Present | NA | 34°16' | 88°46' | e347 | | | | | | | | | S | ASOS commissioned 06/01/93 e. Ground elevation. | |

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* NOTES: For earlier station history see previous edition.