

2003

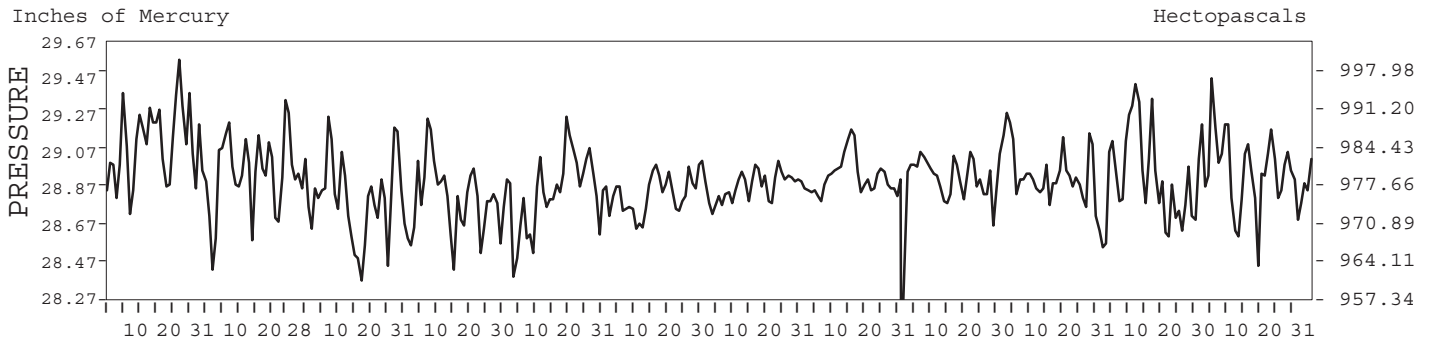
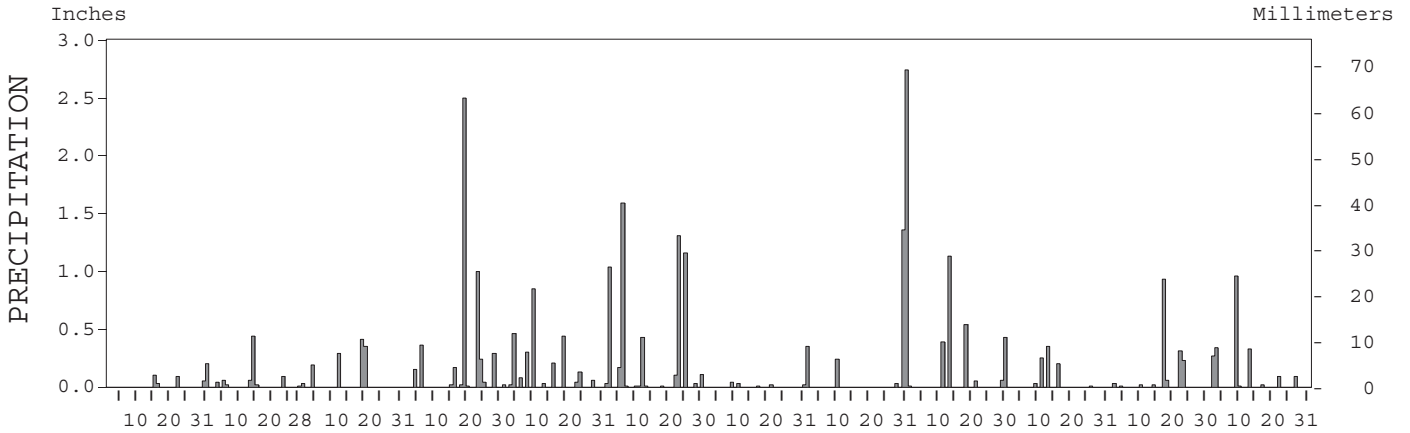
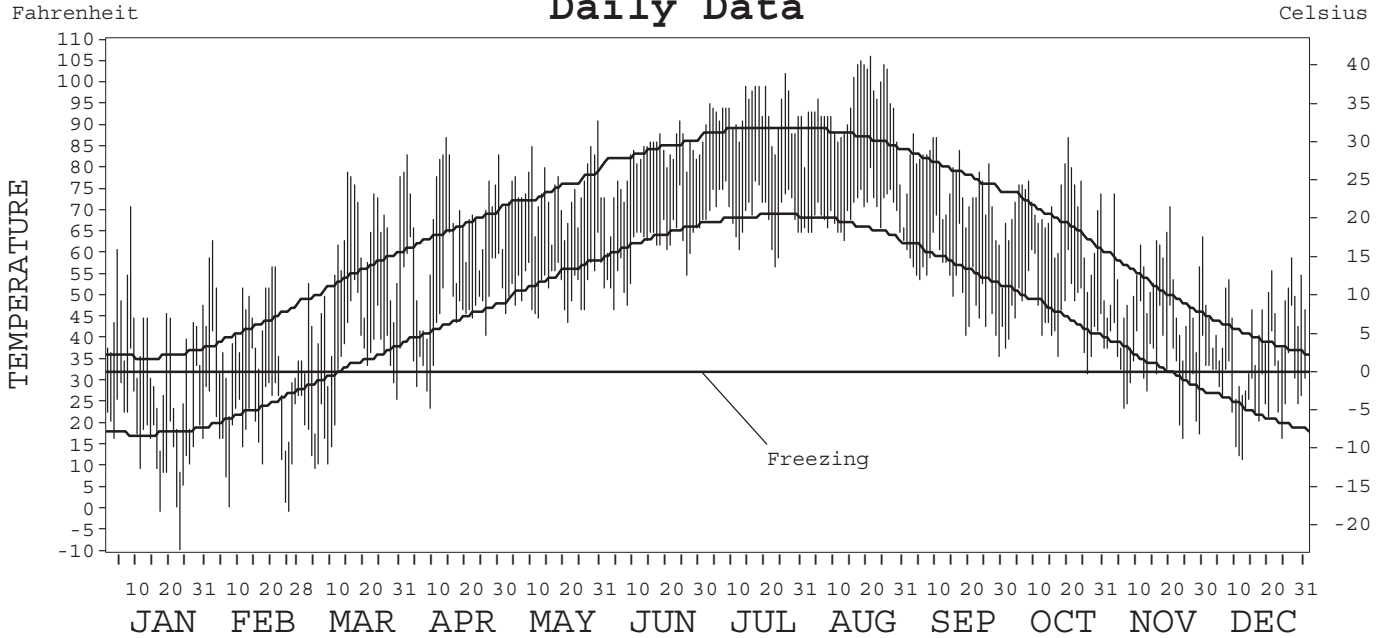
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2850

INTERNATIONAL AIRPORT,
KANSAS CITY, MISSOURI (MCI)

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.

Thomas R. Karl

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

METEOROLOGICAL DATA FOR 2003

KANSAS CITY, MO (MCI)

LATITUDE: 39° 17' 57" N LONGITUDE: 94° 43' 04" W ELEVATION (FT): GRND: 1005 BARO: 1008 TIME ZONE: CENTRAL (UTC + 6) WBAN: 03947

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 37.3 | 40.3 | 55.5 | 67.5 | 74.1 | 80.9 | 92.7 | 93.5 | 75.9 | 69.0 | 51.8 | 42.8 | 65.1 | |
| | HIGHEST DAILY MAXIMUM | 71 | 65 | 79 | 87 | 91 | 91 | 102 | 106 | 88 | 87 | 74 | 59 | 106 | |
| | DATE OF OCCURRENCE | 08 | 21 | 15 | 14 | 30 | 24 | 26 | 21 | 03 | 20 | 03 | 27 | AUG 21 | |
| | MEAN DAILY MINIMUM | 17.2 | 20.3 | 31.5 | 47.2 | 52.4 | 60.8 | 69.4 | 69.5 | 53.2 | 46.2 | 34.0 | 27.9 | 44.1 | |
| | LOWEST DAILY MINIMUM | -9 | 0 | 10 | 24 | 44 | 47 | 57 | 63 | 36 | 32 | 17 | 12 | -9 | |
| | DATE OF OCCURRENCE | 23 | 25 | 05 | 09 | 21 | 04 | 23 | 31+ | 29 | 26 | 24 | 12 | JAN 23 | |
| | AVERAGE DRY BULB | 27.3 | 30.3 | 43.5 | 57.4 | 63.3 | 70.9 | 81.1 | 81.5 | 64.6 | 57.6 | 42.9 | 35.4 | 54.7 | |
| | MEAN WET BULB | 24.1 | 27.0 | 38.9 | 51.2 | 58.0 | 64.9 | 72.0 | | 59.7 | 52.8 | 39.3 | 32.4 | | |
| | MEAN DEW POINT | 16.0 | 21.0 | 32.4 | 46.2 | 53.5 | 61.0 | 67.4 | | 56.3 | 48.7 | 33.9 | 27.4 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 1 | 1 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 48 |
| | MAXIMUM ≤ 32° | 11 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 27 | |
| | MINIMUM ≤ 32° | 29 | 26 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 21 | 106 | |
| MINIMUM ≤ 0° | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | |
| H/C | HEATING DEGREE DAYS | 1162 | 963 | 659 | 270 | 91 | 27 | 0 | 0 | 93 | 235 | 657 | 912 | 5069 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 47 | 41 | 209 | 505 | 517 | 85 | 15 | 0 | 0 | 1419 | |
| RH | MEAN (PERCENT) | 64 | 71 | 68 | 71 | 72 | 72 | 65 | 65 | 76 | 74 | 73 | 74 | 70 | |
| | HOUR 00 LST | 69 | 77 | 74 | 75 | 78 | 79 | 73 | 72 | 83 | 79 | 76 | 78 | 76 | |
| | HOUR 06 LST | 74 | 81 | 82 | 82 | 89 | 88 | 84 | 85 | 91 | 87 | 81 | 80 | 84 | |
| | HOUR 12 LST | 57 | 61 | 59 | 65 | 63 | 62 | 52 | 52 | 65 | 62 | 66 | 66 | 61 | |
| | HOUR 18 LST | 58 | 64 | 57 | 62 | 62 | 62 | 50 | 50 | 67 | 69 | 69 | 72 | 62 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 9 | |
| | THUNDERSTORMS | 0 | 1 | 1 | 6 | 8 | 9 | 5 | 9 | 3 | 2 | 4 | 1 | 49 | |
| 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.) | 29.11 | 28.96 | 28.82 | 28.80 | 28.85 | 28.84 | 28.88 | | 28.95 | 28.91 | 28.95 | 28.95 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.24 | 30.08 | 29.92 | 29.88 | 29.92 | 29.91 | 29.94 | | 30.03 | 29.99 | 30.06 | 30.07 | | |
| WINDS | RESULTANT SPEED (MPH) | 3.1 | 1.6 | 0.7 | 2.2 | 2.2 | 3.0 | 0.6 | | 2.6 | 3.1 | 1.4 | 2.0 | | |
| | RES. DIR. (TENS OF DEGS.) | 30 | 36 | 20 | 20 | 04 | 15 | 20 | | 19 | 21 | 23 | 21 | | |
| | MEAN SPEED (MPH) | 10.7 | 9.9 | 11.4 | 12.7 | 9.4 | 9.0 | 9.9 | 8.2 | 9.6 | 9.3 | 10.8 | 11.9 | 10.2 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 19 | 35 | 17 | 19 | 36 | 16 | 19 | 05 | 15 | 22 | 20 | 31 | 19 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 29 | 35 | 32 | 36 | 39 | 30 | 29 | 32 | 32 | 29 | 36 | 32 | 39 | |
| | DIR. (TENS OF DEGS.) | 31 | 02 | 01 | 18 | 31 | 25 | 34 | 26 | 18 | 20 | 32 | 19 | 31 | |
| | DATE OF OCCURRENCE | 09 | 15 | 24 | 14 | 10 | 25 | 31+ | 28 | 17 | 30+ | 12 | 30+ | MAY 10 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 38 | 40 | 38 | 41 | 52 | 40 | 37 | 43 | 37 | 35 | 41 | 40 | 52 | |
| DIR. (TENS OF DEGS.) | 34 | 03 | 16 | 17 | 31 | 25 | 34 | 25 | 19 | 20 | 31 | 19 | 31 | | |
| DATE OF OCCURRENCE | 09 | 15 | 27+ | 14 | 10 | 25 | 31 | 28 | 17 | 30+ | 12 | 30+ | MAY 10 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.47 | 0.74 | 1.27 | 4.80 | 2.64 | 6.02 | 0.12 | 4.72 | 2.61 | 0.84 | 1.61 | 2.11 | 27.95 | |
| | GREATEST 24-HOUR (IN.) | 0.25 | 0.49 | 0.69 | 2.50 | 0.85 | 1.76 | 0.04 | 3.26 | 2.13 | 0.35 | 0.99 | 0.97 | 3.26 | |
| | DATE OF OCCURRENCE | 30-31 | 13-14 | 19-20 | 19 | 10 | 05-06 | 09 | 30-31 | 31-01 | 13 | 17-18 | 09-10 | AUG 30-31 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 5 | 8 | 5 | 11 | 12 | 15 | 5 | 5 | 7 | 5 | 8 | 8 | 94 | |
| PRECIPITATION ≥ 0.10 | 2 | 1 | 4 | 7 | 6 | 8 | 0 | 4 | 4 | 3 | 3 | 4 | 46 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 2 | 1 | 0 | 0 | 0 | 9 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 4.8 | 2.7 | 1.6 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 7.1 | 16.2 | |
| | GREATEST 24-HOUR (IN.) | 2.0 | 1.8 | 1.5 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 4.5 | 4.5 | |
| | DATE OF OCCURRENCE | 22+ | 23 | 04 | 08 | 0 | 0 | 0 | 0 | 18 | 0 | 23 | 13 | DEC 13 | |
| | MAXIMUM SNOW DEPTH (IN.) | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | |
| | DATE OF OCCURRENCE | 17+ | 25+ | 05 | | | | | | | | 14 | 14 | DEC 14 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | | |

NORMALS, MEANS, AND EXTREMES

KANSAS CITY, MO (MCI)

LATITUDE: 39° 17' 57" N LONGITUDE: 94° 43' 04" W ELEVATION (FT): GRND: 1005 BARO: 1008 TIME ZONE: CENTRAL (UTC + 6) WBAN: 03947

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 36.0 | 42.6 | 54.4 | 65.2 | 74.6 | 83.9 | 88.8 | 87.1 | 79.0 | 67.6 | 52.0 | 40.0 | 64.3 |
| | MEAN DAILY MAXIMUM | 31 | 36.0 | 42.4 | 53.9 | 65.0 | 74.4 | 83.3 | 88.9 | 87.2 | 78.6 | 66.8 | 51.8 | 40.1 | 64.0 |
| | HIGHEST DAILY MAXIMUM | 31 | 71 | 77 | 86 | 93 | 95 | 105 | 107 | 109 | 106 | 92 | 82 | 74 | 109 |
| | YEAR OF OCCURRENCE | | 2003 | 1995 | 1986 | 1987 | 1998 | 1980 | 1974 | 1984 | 2000 | 2002 | 1990 | 2001 | AUG 1984 |
| | MEAN OF EXTREME MAXS. | 31 | 57.8 | 66.1 | 77.5 | 84.1 | 87.9 | 93.8 | 98.9 | 98.7 | 92.7 | 85.3 | 71.7 | 61.8 | 81.4 |
| | NORMAL DAILY MINIMUM | 30 | 17.8 | 23.3 | 33.2 | 43.5 | 53.9 | 63.2 | 68.2 | 66.1 | 57.2 | 45.9 | 33.4 | 22.5 | 44.0 |
| | MEAN DAILY MINIMUM | 31 | 18.2 | 23.4 | 33.0 | 44.0 | 53.9 | 63.1 | 68.6 | 66.5 | 57.0 | 45.6 | 33.6 | 22.7 | 44.1 |
| | LOWEST DAILY MINIMUM | 31 | -17 | -19 | -10 | 12 | 30 | 42 | 51 | 43 | 31 | 17 | 1 | -23 | -23 |
| | YEAR OF OCCURRENCE | | 1982 | 1982 | 1978 | 1975 | 1976 | 1990 | 1997 | 1986 | 1995 | 1993 | 1991 | 1989 | DEC 1989 |
| | MEAN OF EXTREME MINS. | 31 | -2.5 | 2.0 | 12.3 | 26.6 | 39.8 | 49.2 | 57.7 | 55.2 | 40.1 | 28.2 | 16.6 | 1.3 | 27.2 |
| | NORMAL DRY BULB | 30 | 26.9 | 33.0 | 43.8 | 54.4 | 64.3 | 73.6 | 78.5 | 76.6 | 68.1 | 56.8 | 42.7 | 31.3 | 54.2 |
| | MEAN DRY BULB | 31 | 27.1 | 32.9 | 43.4 | 54.4 | 64.1 | 73.2 | 79.0 | 76.8 | 67.9 | 56.1 | 42.7 | 31.4 | 54.1 |
| | MEAN WET BULB | 20 | 26.3 | 30.5 | 38.2 | 48.3 | 58.6 | 66.7 | 71.1 | 69.2 | 61.1 | 50.5 | 38.1 | 28.1 | 48.9 |
| | MEAN DEW POINT | 20 | 20.6 | 24.4 | 31.2 | 41.5 | 53.6 | 62.7 | 67.3 | 65.7 | 56.9 | 44.9 | 32.7 | 22.9 | 43.7 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 5.6 | 14.5 | 11.7 | 3.7 | 0.1 | 0.0 | 0.0 | 36.3 | |
| MAXIMUM ≤ 32° | 30 | 12.1 | 7.3 | 1.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 8.0 | 31.2 | |
| MINIMUM ≤ 32° | 30 | 27.9 | 21.2 | 14.9 | 3.7 | * | 0.0 | 0.0 | 0.0 | * | 2.3 | 13.8 | 26.0 | 109.8 | |
| MINIMUM ≤ 0° | 30 | 3.6 | 1.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 7.6 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1182 | 897 | 658 | 331 | 124 | 8 | 0 | 7 | 58 | 269 | 668 | 1047 | 5249 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 12 | 101 | 264 | 418 | 367 | 151 | 12 | 0 | 0 | 1325 |
| RH | NORMAL (PERCENT) | 30 | 71 | 70 | 66 | 64 | 69 | 71 | 70 | 72 | 71 | 68 | 70 | 73 | 70 |
| | HOUR 00 LST | 30 | 74 | 74 | 71 | 70 | 77 | 79 | 78 | 79 | 79 | 74 | 75 | 76 | 76 |
| | HOUR 06 LST | 30 | 78 | 78 | 78 | 78 | 84 | 86 | 85 | 87 | 86 | 81 | 80 | 80 | 82 |
| | HOUR 12 LST | 30 | 65 | 63 | 58 | 56 | 59 | 60 | 59 | 60 | 59 | 56 | 62 | 66 | 60 |
| | HOUR 18 LST | 30 | 67 | 63 | 56 | 53 | 58 | 58 | 57 | 60 | 60 | 60 | 66 | 69 | 61 |
| S | PERCENT POSSIBLE SUNSHINE | 23 | 58 | 55 | 58 | 62 | 61 | 66 | 72 | 67 | 66 | 60 | 49 | 49 | 60 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 32 | 2.8 | 2.7 | 1.8 | 1.1 | 1.2 | 0.8 | 0.6 | 1.3 | 1.3 | 1.5 | 1.9 | 3.0 | 20.0 |
| | THUNDERSTORMS | 32 | 0.4 | 0.9 | 2.5 | 4.9 | 8.2 | 9.1 | 7.9 | 6.8 | 5.4 | 3.0 | 1.4 | 0.5 | 51.0 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 1 | | | 5.6 | | | 4.0 | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | | | 6.4 | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 1 | 4.0 | 5.0 | 10.0 | | 6.0 | 7.0 | | | | | | | |
| PARTLY CLOUDY | 1 | 1.0 | 1.0 | 5.0 | | | 9.0 | | | | | | | | |
| CLOUDY | 1 | 3.0 | | 9.0 | | 9.0 | 5.0 | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 31 | 29.00 | 28.99 | 28.90 | 28.90 | 28.88 | 28.89 | 28.90 | 28.90 | 28.99 | 29.00 | 29.00 | 29.01 | 28.95 |
| | MEAN SEA-LEVEL PRES. (IN) | 19 | 30.15 | 30.11 | 30.02 | 29.95 | 29.92 | 30.00 | 29.97 | 30.00 | 30.02 | 30.06 | 30.07 | 30.15 | 30.03 |
| WINDS | MEAN SPEED (MPH) | 31 | 11.2 | 11.1 | 12.2 | 12.3 | 10.3 | 9.9 | 9.2 | 8.8 | 9.6 | 10.5 | 11.1 | 10.9 | 10.6 |
| | PREVAIL. DIR (TENS OF DEGS) | 31 | 20 | 19 | 19 | 18 | 18 | 18 | 19 | 18 | 18 | 18 | 18 | 19 | 18 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 8 | 39 | 40 | 46 | 48 | 46 | 51 | 58 | 37 | 41 | 40 | 37 | 37 | 58 |
| | DIR. (TENS OF DEGS) | | 32 | 20 | 23 | 20 | 24 | 01 | 02 | 36 | 14 | 21 | 31 | 20 | 02 |
| | YEAR OF OCCURRENCE | | 2000 | 2000 | 2000 | 2001 | 2002 | 2000 | 2000 | 2001 | 1996 | 1996 | 2002 | 2001 | JUL 2000 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 8 | 48 | 52 | 58 | 59 | 61 | 61 | 74 | 55 | 49 | 52 | 52 | 45 | 74 |
| DIR. (TENS OF DEGS) | | 32 | 19 | 23 | 18 | 25 | 36 | 01 | 14 | 14 | 23 | 33 | 33 | 01 | |
| YEAR OF OCCURRENCE | | 2000 | 2000 | 2000 | 2001 | 2002 | 2000 | 2000 | 2001 | 1996 | 1996 | 1997 | 1997 | JUL 2000 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.15 | 1.31 | 2.44 | 3.38 | 5.39 | 4.44 | 4.42 | 3.54 | 4.64 | 3.33 | 2.30 | 1.64 | 37.98 |
| | MAXIMUM MONTHLY (IN) | 31 | 2.66 | 3.25 | 9.08 | 8.43 | 12.75 | 11.86 | 15.47 | 9.58 | 11.34 | 8.15 | 5.12 | 5.42 | 15.47 |
| | YEAR OF OCCURRENCE | | 1982 | 2001 | 1973 | 1999 | 1995 | 2001 | 1992 | 1982 | 1977 | 1998 | 1992 | 1980 | JUL 1992 |
| | MINIMUM MONTHLY (IN) | 31 | 0.02 | 0.20 | 0.33 | 0.66 | 1.05 | 1.44 | 0.12 | 0.50 | 1.13 | 0.21 | 0.03 | 0.00 | 0.00 |
| | YEAR OF OCCURRENCE | | 1986 | 1991 | 1994 | 2000 | 1992 | 2002 | 2003 | 2000 | 1974 | 1988 | | 1996 | NOV |
| | MAXIMUM IN 24 HOURS (IN) | 31 | 1.83 | 1.85 | 3.07 | 4.69 | 4.26 | 4.48 | 5.08 | 6.19 | 8.82 | 4.92 | 2.15 | 3.67 | 8.82 |
| | YEAR OF OCCURRENCE | | 1982 | 1997 | 2001 | 1975 | 1974 | 2001 | 1986 | 1982 | 1977 | 1973 | 1998 | 1980 | SEP 1977 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 7.3 | 7.1 | 10.0 | 11.0 | 11.5 | 10.5 | 8.6 | 8.5 | 8.4 | 7.4 | 7.9 | 7.5 | 105.7 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.1 | 0.1 | 0.3 | 0.7 | 1.5 | 1.3 | 1.4 | 0.9 | 1.4 | 1.0 | 0.6 | 0.4 | 9.7 | |
| SNOWFALL | NORMAL (IN) | 30 | 5.8 | 5.0 | 2.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | 4.3 | 20.1 | |
| | MAXIMUM MONTHLY (IN) | 31 | 14.2 | 15.7 | 11.4 | 7.2 | T | T | T | T | T | 6.5 | 7.1 | 13.2 | 15.7 |
| | YEAR OF OCCURRENCE | | 1977 | 1993 | 1978 | 1983 | 1990 | 1994 | 1992 | 2001 | 1992 | 1996 | 1975 | 1983 | FEB 1993 |
| | MAXIMUM IN 24 HOURS (IN) | 31 | 9.5 | 10.8 | 9.2 | 4.0 | T | T | T | T | T | 6.5 | 6.1 | 10.8 | 10.8 |
| | YEAR OF OCCURRENCE | | 1993 | 1993 | 1990 | 1983 | 1990 | 1994 | 1992 | 2001 | 1992 | 1996 | 1975 | 1987 | FEB 1993 |
| | MAXIMUM SNOW DEPTH (IN) | 30 | 12 | 11 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 11 | 12 |
| | YEAR OF OCCURRENCE | | 1979 | 1979 | 1990 | 1994 | | | | | | | 1975 | 1987 | JAN 1979 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 2.0 | 1.7 | 0.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.3 | 6.8 | |

PRECIPITATION (inches) 2003 INTERNATIONAL AIRPORT, MO (MCI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|-------|-------|-------|------|-------|------|------|------|--------|
| 1974 | 1.05 | 1.12 | 1.18 | 2.94 | 10.07 | 2.16 | 1.13 | 4.98 | 1.13 | 7.22 | 1.62 | 1.52 | 36.12 |
| 1975 | 2.14 | 1.59 | 1.49 | 6.61 | 3.45 | 2.46 | 0.25 | 4.85 | 6.10 | 0.35 | 2.75 | 2.03 | 34.07 |
| 1976 | 0.53 | 0.66 | 2.53 | 3.30 | 5.49 | 5.08 | 0.77 | 0.76 | 1.41 | 2.84 | 0.21 | 0.10 | 23.68 |
| 1977 | 1.15 | 0.57 | 2.59 | 2.35 | 5.43 | 6.18 | 2.74 | 7.99 | 11.34 | 7.67 | 1.36 | 0.37 | 49.74 |
| 1978 | 0.39 | 1.32 | 1.77 | 5.36 | 4.98 | 2.64 | 5.49 | 2.66 | 4.04 | 0.33 | 3.93 | 1.05 | 33.96 |
| 1979 | 2.35 | 0.78 | 2.96 | 2.35 | 3.00 | 5.37 | 4.68 | 3.66 | 1.16 | 3.56 | 1.83 | 0.05 | 31.75 |
| 1980 | 1.60 | 1.44 | 3.64 | 1.02 | 3.06 | 2.52 | 1.99 | 4.89 | 1.63 | 4.13 | 0.45 | 5.42 | 31.79 |
| 1981 | 0.49 | 0.31 | 1.43 | 1.94 | 9.46 | 7.44 | 8.43 | 2.43 | 2.71 | 4.14 | 2.84 | 0.45 | 42.07 |
| 1982 | 2.66 | 1.13 | 2.94 | 1.55 | 9.81 | 6.04 | 2.73 | 9.58 | 1.58 | 3.04 | 2.21 | 3.94 | 47.21 |
| 1983 | 0.58 | 0.57 | 2.93 | 5.52 | 6.03 | 5.03 | 0.26 | 0.86 | 1.89 | 3.85 | 3.94 | 1.42 | 32.88 |
| 1984 | 0.14 | 1.96 | 4.52 | 6.82 | 2.26 | 4.14 | 3.91 | 0.75 | 3.42 | 6.04 | 1.24 | 3.57 | 38.77 |
| 1985 | 0.94 | 2.69 | 2.05 | 1.75 | 7.00 | 3.56 | 5.82 | 6.98 | 9.23 | 7.51 | 3.95 | 1.24 | 52.72 |
| 1986 | 0.02 | 1.25 | 1.34 | 2.12 | 4.76 | 2.48 | 8.36 | 3.16 | 10.40 | 3.17 | 1.18 | 1.20 | 39.44 |
| 1987 | 0.77 | 2.26 | 2.85 | 2.24 | 4.74 | 4.58 | 3.00 | 4.64 | 3.66 | 1.32 | 1.88 | 2.05 | 33.99 |
| 1988 | 1.40 | 0.72 | 1.43 | 2.15 | 2.14 | 1.80 | 1.21 | 1.87 | 8.48 | 0.21 | 1.96 | 0.85 | 24.22 |
| 1989 | 0.98 | 0.59 | 2.13 | 1.50 | 4.56 | 3.44 | 4.76 | 7.38 | 8.87 | 2.88 | T | 0.55 | 37.64 |
| 1990 | 1.20 | 2.11 | 3.90 | 2.47 | 7.36 | 6.27 | 4.40 | 5.04 | 1.28 | 2.46 | 3.01 | 1.11 | 40.61 |
| 1991 | 1.37 | 0.20 | 2.36 | 4.99 | 3.69 | 3.06 | 1.72 | 1.35 | 2.12 | 3.71 | 2.05 | 2.08 | 28.70 |
| 1992 | 1.21 | 2.01 | 3.79 | 4.92 | 1.05 | 3.84 | 15.47 | 2.37 | 5.69 | 1.38 | 5.12 | 3.78 | 50.63 |
| 1993 | 1.96 | 1.28 | 2.21 | 5.59 | 7.30 | 5.67 | 10.90 | 3.98 | 7.63 | 1.75 | 2.07 | 1.12 | 51.46 |
| 1994 | 0.63 | 1.47 | 0.33 | 6.98 | 1.29 | 2.45 | 2.79 | 3.54 | 2.65 | 1.27 | 3.18 | 1.76 | 28.34 |
| 1995 | 1.42 | 1.35 | 1.12 | 2.12 | 12.75 | 3.36 | 4.64 | 4.00 | 1.85 | 0.50 | 1.18 | 0.40 | 34.69 |
| 1996 | 1.12 | 0.35 | 1.28 | 1.80 | 10.29 | 7.51 | 4.83 | 2.97 | 3.44 | 3.67 | 3.15 | 0.03 | 40.44 |
| 1997 | 0.69 | 2.94 | 1.16 | 4.13 | 4.63 | 2.90 | 3.53 | 2.49 | 3.34 | 2.98 | 1.95 | 2.33 | 33.07 |
| 1998 | 0.97 | 1.10 | 3.44 | 2.15 | 1.75 | 9.22 | 4.97 | 3.61 | 8.69 | 8.15 | 4.29 | 1.19 | 49.53 |
| 1999 | 2.30 | 1.71 | 1.49 | 8.43 | 5.62 | 8.67 | 0.51 | 1.56 | 5.32 | 0.67 | 1.63 | 2.18 | 40.09 |
| 2000 | 0.46 | 2.21 | 2.93 | 0.66 | 4.55 | 7.55 | 6.02 | 0.50 | 3.13 | 3.55 | 2.59 | 0.81 | 34.96 |
| 2001 | 2.08 | 3.25 | 3.88 | 4.03 | 4.81 | 11.86 | 6.26 | 5.48 | 7.98 | 2.56 | 0.56 | 0.75 | 53.50 |
| 2002 | 1.66 | 0.73 | 1.03 | 4.53 | 6.97 | 1.44 | 1.18 | 2.06 | 1.31 | 3.51 | 0.32 | 0.03 | 24.77 |
| 2003 | 0.47 | 0.74 | 1.27 | 4.80 | 2.64 | 6.02 | 0.12 | 4.72 | 2.61 | 0.84 | 1.61 | 2.11 | 27.95 |
| POR= 113 YRS | 1.32 | 1.45 | 2.55 | 3.45 | 4.86 | 4.89 | 3.99 | 3.85 | 4.33 | 2.95 | 1.92 | 1.41 | 36.97 |

WBAN : 03947

AVERAGE TEMPERATURE (°F) 2003 INTERNATIONAL AIRPORT, MO (MCI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1974 | 23.8 | 35.3 | 46.9 | 56.2 | 65.6 | 70.5 | 82.1 | 73.0 | 61.6 | 57.7 | 42.8 | 32.2 | 54.0 |
| 1975 | 29.9 | 27.8 | 36.5 | 52.8 | 67.1 | 74.2 | 80.9 | 79.8 | 63.5 | 58.9 | 45.9 | 34.1 | 54.3 |
| 1976 | 27.5 | 42.7 | 45.0 | 56.3 | 60.0 | 71.3 | 79.0 | 77.7 | 69.0 | 50.8 | 35.9 | 29.0 | 53.7 |
| 1977 | 15.6 | 35.1 | 48.0 | 59.7 | 69.0 | 74.5 | 79.7 | 74.4 | 69.0 | 55.7 | 42.3 | 29.5 | 54.4 |
| 1978 | 16.8 | 19.5 | 37.6 | 55.5 | 62.1 | 74.6 | 79.3 | 76.5 | 73.6 | 56.4 | 44.4 | 31.0 | 52.3 |
| 1979 | 12.5 | 20.9 | 42.2 | 51.6 | 63.5 | 72.2 | 75.9 | 75.7 | 68.6 | 57.7 | 40.7 | 35.2 | 51.4 |
| 1980 | 28.7 | 25.2 | 38.7 | 54.6 | 63.9 | 75.3 | 85.2 | 80.3 | 69.6 | 54.1 | 44.5 | 32.1 | 54.4 |
| 1981 | 30.3 | 33.4 | 45.2 | 61.1 | 60.5 | 74.1 | 78.3 | 72.9 | 68.4 | 55.3 | 45.6 | 29.0 | 54.5 |
| 1982 | 18.6 | 27.8 | 42.5 | 51.1 | 65.5 | 68.8 | 79.4 | 75.0 | 67.5 | 55.6 | 41.9 | 35.5 | 52.4 |
| 1983 | 30.1 | 35.9 | 43.1 | 46.3 | 59.6 | 70.8 | 81.5 | 83.5 | 71.2 | 57.2 | 44.3 | 13.2 | 53.1 |
| 1984 | 25.0 | 38.9 | 36.0 | 50.3 | 60.4 | 74.3 | 76.1 | 79.0 | 66.1 | 56.8 | 43.9 | 35.5 | 53.5 |
| 1985 | 18.7 | 25.3 | 47.4 | 57.9 | 66.0 | 68.8 | 77.0 | 72.1 | 66.7 | 56.5 | 36.8 | 22.9 | 51.3 |
| 1986 | 34.5 | 30.5 | 48.5 | 57.1 | 65.2 | 76.5 | 79.7 | 72.0 | 71.8 | 56.9 | 37.9 | 34.5 | 55.4 |
| 1987 | 29.7 | 39.4 | 47.1 | 56.8 | 70.6 | 76.0 | 79.9 | 76.4 | 67.8 | 52.0 | 46.7 | 35.1 | 56.5 |
| 1988 | 26.7 | 27.9 | 43.2 | 54.5 | 69.1 | 78.1 | 79.6 | 81.3 | 70.5 | 52.2 | 44.8 | 35.2 | 55.3 |
| 1989 | 37.7 | 22.8 | 43.8 | 56.9 | 63.2 | 71.1 | 77.8 | 75.5 | 63.2 | 57.9 | 42.3 | 21.1 | 52.8 |
| 1990 | 37.9 | 36.2 | 45.7 | 52.7 | 60.4 | 75.5 | 77.3 | 77.1 | 72.1 | 57.1 | 50.1 | 29.3 | 56.0 |
| 1991 | 22.9 | 39.4 | 47.2 | 56.7 | 67.6 | 76.1 | 80.6 | 77.7 | 68.8 | 57.6 | 36.7 | 36.1 | 55.6 |
| 1992 | 35.9 | 39.8 | 46.9 | 53.1 | 62.6 | 69.7 | 74.4 | 70.7 | 66.1 | 56.6 | 39.0 | 32.9 | 54.0 |
| 1993 | 25.9 | 28.6 | 39.8 | 50.4 | 63.5 | 72.9 | 77.6 | 77.8 | 62.8 | 53.6 | 39.4 | 34.5 | 52.2 |
| 1994 | 25.2 | 30.0 | 46.0 | 53.8 | 64.6 | 75.8 | 76.0 | 75.3 | 67.7 | 57.5 | 46.3 | 36.5 | 54.6 |
| 1995 | 28.2 | 35.9 | 45.0 | 52.5 | 59.4 | 72.7 | 78.2 | 78.9 | 65.2 | 57.1 | 40.1 | 31.1 | 53.7 |
| 1996 | 23.1 | 34.2 | 37.7 | 52.8 | 64.5 | 73.8 | 75.2 | 74.9 | 64.8 | 56.3 | 37.0 | 29.7 | 52.0 |
| 1997 | 24.4 | 33.8 | 45.3 | 48.8 | 59.9 | 73.1 | 77.7 | 74.5 | 69.2 | 57.9 | 40.7 | 33.5 | 53.2 |
| 1998 | 33.8 | 41.3 | 39.1 | 54.3 | 71.1 | 73.5 | 77.8 | 77.0 | 72.4 | 58.6 | 48.0 | 34.8 | 56.8 |
| 1999 | 27.8 | 41.2 | 42.6 | 54.6 | 63.4 | 71.5 | 81.0 | 76.3 | 65.7 | 57.0 | 51.9 | 35.8 | 55.7 |
| 2000 | 31.8 | 40.8 | 47.1 | 55.0 | 67.3 | 71.2 | 76.8 | 81.8 | 71.0 | 59.9 | 36.6 | 19.1 | 54.9 |
| 2001 | 29.2 | 30.0 | 40.0 | 60.3 | 66.1 | 72.1 | 80.7 | 77.4 | 65.7 | 56.0 | 51.2 | 37.3 | 55.5 |
| 2002 | 34.1 | 37.0 | 40.1 | 56.9 | 61.9 | 76.1 | 81.3 | 78.6 | 72.9 | 50.7 | 41.5 | 36.6 | 55.6 |
| 2003 | 27.3 | 30.3 | 43.5 | 57.4 | 63.3 | 70.9 | 81.1 | 81.5 | 64.6 | 57.6 | 42.9 | 35.4 | 54.7 |
| POR= 114 YRS | 29.1 | 33.1 | 43.3 | 55.3 | 65.1 | 74.4 | 79.3 | 77.7 | 69.6 | 58.4 | 44.2 | 33.0 | 55.2 |

HEATING DEGREE DAYS (base 65°F) 2003 INTERNATIONAL AIRPORT, MO (MCI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------|
| 1974-75 | 0 | 6 | 141 | 227 | 660 | 1009 | 1084 | 1036 | 878 | 381 | 42 | 5 | 5469 |
| 1975-76 | 0 | 0 | 142 | 226 | 567 | 954 | 1155 | 640 | 616 | 277 | 178 | 6 | 4761 |
| 1976-77 | 0 | 0 | 45 | 469 | 865 | 1108 | 1527 | 832 | 521 | 192 | 22 | 0 | 5581 |
| 1977-78 | 0 | 0 | 21 | 293 | 673 | 1094 | 1487 | 1266 | 848 | 291 | 172 | 6 | 6151 |
| 1978-79 | 0 | 0 | 28 | 272 | 618 | 1050 | 1624 | 1230 | 698 | 400 | 115 | 5 | 6040 |
| 1979-80 | 5 | 5 | 35 | 247 | 720 | 918 | 1118 | 1148 | 809 | 327 | 98 | 3 | 5433 |
| 1980-81 | 0 | 0 | 63 | 347 | 609 | 1011 | 1069 | 880 | 607 | 169 | 179 | 2 | 4936 |
| 1981-82 | 0 | 2 | 40 | 309 | 573 | 1112 | 1432 | 1037 | 690 | 416 | 51 | 32 | 5694 |
| 1982-83 | 0 | 2 | 78 | 307 | 688 | 911 | 1074 | 810 | 675 | 557 | 180 | 29 | 5311 |
| 1983-84 | 0 | 0 | 57 | 271 | 617 | 1602 | 1234 | 750 | 891 | 443 | 175 | 1 | 6041 |
| 1984-85 | 0 | 0 | 143 | 269 | 624 | 907 | 1431 | 1102 | 538 | 256 | 41 | 19 | 5330 |
| 1985-86 | 0 | 3 | 131 | 260 | 841 | 1297 | 940 | 960 | 528 | 267 | 60 | 0 | 5287 |
| 1986-87 | 0 | 12 | 23 | 251 | 805 | 938 | 1088 | 712 | 549 | 298 | 15 | 0 | 4691 |
| 1987-88 | 0 | 3 | 30 | 398 | 552 | 922 | 1180 | 1069 | 668 | 311 | 19 | 0 | 5152 |
| 1988-89 | 2 | 1 | 18 | 394 | 599 | 915 | 836 | 1176 | 658 | 319 | 135 | 7 | 5060 |
| 1989-90 | 0 | 1 | 138 | 267 | 675 | 1360 | 836 | 800 | 601 | 398 | 167 | 10 | 5253 |
| 1990-91 | 1 | 0 | 44 | 278 | 452 | 1104 | 1296 | 709 | 553 | 258 | 62 | 0 | 4757 |
| 1991-92 | 0 | 0 | 96 | 277 | 841 | 888 | 898 | 724 | 554 | 367 | 137 | 6 | 4788 |
| 1992-93 | 0 | 7 | 80 | 271 | 773 | 987 | 1203 | 1011 | 775 | 431 | 88 | 26 | 5652 |
| 1993-94 | 0 | 2 | 118 | 365 | 760 | 938 | 1227 | 974 | 581 | 353 | 91 | 1 | 5410 |
| 1994-95 | 0 | 4 | 69 | 252 | 552 | 878 | 1135 | 807 | 613 | 370 | 196 | 1 | 4877 |
| 1995-96 | 0 | 0 | 111 | 255 | 743 | 1047 | 1295 | 891 | 840 | 381 | 110 | 10 | 5683 |
| 1996-97 | 0 | 0 | 95 | 291 | 835 | 1089 | 1252 | 865 | 603 | 476 | 184 | 1 | 5691 |
| 1997-98 | 3 | 0 | 25 | 290 | 720 | 971 | 960 | 658 | 806 | 323 | 18 | 27 | 4801 |
| 1998-99 | 0 | 0 | 9 | 213 | 505 | 930 | 1145 | 656 | 690 | 313 | 84 | 12 | 4557 |
| 1999-00 | 0 | 0 | 94 | 261 | 392 | 898 | 1024 | 694 | 554 | 303 | 58 | 9 | 4287 |
| 2000-01 | 0 | 0 | 52 | 195 | 845 | 1416 | 1102 | 972 | 768 | 190 | 67 | 16 | 5623 |
| 2001-02 | 0 | 0 | 71 | 280 | 407 | 854 | 949 | 777 | 765 | 283 | 150 | 0 | 4536 |
| 2002-03 | 0 | 0 | 14 | 457 | 698 | 876 | 1162 | 963 | 659 | 270 | 91 | 27 | 5217 |
| 2003- | 0 | 0 | 93 | 235 | 657 | 912 | | | | | | | |

WBAN : 03947

COOLING DEGREE DAYS (base 65°F) 2003 INTERNATIONAL AIRPORT, MO (MCI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1974 | 0 | 0 | 4 | 13 | 109 | 176 | 538 | 264 | 47 | 8 | 0 | 0 | 1159 |
| 1975 | 0 | 0 | 0 | 22 | 117 | 284 | 498 | 464 | 105 | 43 | 1 | 0 | 1534 |
| 1976 | 0 | 0 | 0 | 22 | 29 | 199 | 444 | 399 | 169 | 34 | 0 | 0 | 1296 |
| 1977 | 0 | 0 | 0 | 39 | 154 | 291 | 463 | 298 | 147 | 11 | 0 | 0 | 1403 |
| 1978 | 0 | 0 | 5 | 14 | 86 | 300 | 452 | 364 | 295 | 11 | 8 | 0 | 1535 |
| 1979 | 0 | 0 | 1 | 3 | 77 | 229 | 348 | 340 | 147 | 29 | 0 | 0 | 1174 |
| 1980 | 0 | 0 | 0 | 21 | 69 | 316 | 632 | 483 | 210 | 15 | 0 | 0 | 1746 |
| 1981 | 0 | 0 | 0 | 58 | 44 | 279 | 418 | 253 | 149 | 14 | 0 | 0 | 1215 |
| 1982 | 0 | 0 | 0 | 8 | 75 | 154 | 452 | 320 | 158 | 26 | 0 | 0 | 1193 |
| 1983 | 0 | 0 | 3 | 5 | 19 | 210 | 517 | 582 | 251 | 31 | 1 | 0 | 1619 |
| 1984 | 0 | 0 | 0 | 9 | 41 | 287 | 353 | 445 | 184 | 23 | 0 | 0 | 1342 |
| 1985 | 0 | 0 | 0 | 49 | 77 | 137 | 379 | 230 | 191 | 5 | 0 | 0 | 1068 |
| 1986 | 0 | 0 | 24 | 35 | 73 | 352 | 466 | 237 | 232 | 7 | 0 | 0 | 1426 |
| 1987 | 0 | 0 | 0 | 58 | 196 | 336 | 474 | 364 | 118 | 1 | 9 | 0 | 1556 |
| 1988 | 0 | 0 | 2 | 5 | 151 | 400 | 459 | 514 | 188 | 5 | 0 | 0 | 1724 |
| 1989 | 0 | 0 | 9 | 85 | 88 | 196 | 402 | 334 | 87 | 56 | 0 | 0 | 1257 |
| 1990 | 0 | 0 | 8 | 33 | 33 | 331 | 394 | 384 | 263 | 40 | 11 | 0 | 1497 |
| 1991 | 0 | 0 | 9 | 16 | 154 | 339 | 490 | 399 | 219 | 54 | 0 | 0 | 1680 |
| 1992 | 0 | 0 | 1 | 20 | 71 | 154 | 298 | 191 | 121 | 19 | 0 | 0 | 875 |
| 1993 | 0 | 0 | 0 | 0 | 49 | 271 | 398 | 406 | 55 | 19 | 0 | 0 | 1198 |
| 1994 | 0 | 0 | 0 | 23 | 86 | 331 | 345 | 333 | 154 | 28 | 0 | 0 | 1300 |
| 1995 | 0 | 0 | 0 | 1 | 27 | 239 | 417 | 438 | 123 | 18 | 0 | 0 | 1263 |
| 1996 | 0 | 0 | 0 | 19 | 105 | 282 | 325 | 313 | 94 | 29 | 0 | 0 | 1167 |
| 1997 | 0 | 0 | 0 | 0 | 33 | 248 | 403 | 300 | 159 | 75 | 0 | 0 | 1218 |
| 1998 | 0 | 0 | 10 | 10 | 213 | 291 | 407 | 378 | 237 | 20 | 0 | 0 | 1566 |
| 1999 | 0 | 0 | 0 | 7 | 42 | 215 | 501 | 358 | 123 | 24 | 4 | 0 | 1274 |
| 2000 | 0 | 0 | 4 | 10 | 134 | 202 | 369 | 528 | 239 | 41 | 0 | 0 | 1527 |
| 2001 | 0 | 0 | 0 | 58 | 109 | 239 | 495 | 392 | 100 | 8 | 1 | 0 | 1402 |
| 2002 | 0 | 0 | 0 | 47 | 60 | 341 | 512 | 426 | 255 | 18 | 0 | 0 | 1659 |
| 2003 | 0 | 0 | 0 | 47 | 41 | 209 | 505 | 517 | 85 | 15 | 0 | 0 | 1419 |

SNOWFALL (inches) 2003 INTERNATIONAL AIRPORT, MO (MCI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.2 | 5.4 | 4.6 | 5.9 | 2.3 | 0.0 | 0.0 | 20.8 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 2.8 | 5.2 | 5.2 | 1.5 | 0.0 | 0.0 | 0.0 | 21.8 |
| 1976-77 | 0.0 | 0.0 | 0.0 | T | 0.8 | 0.2 | 14.2 | 0.3 | T | 0.6 | 0.0 | 0.0 | 16.1 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.2 | 3.9 | 12.7 | 11.4 | 0.0 | 0.0 | 0.0 | 29.2 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 11.7 | 13.3 | 1.5 | 4.7 | 2.0 | 0.0 | 0.0 | 33.4 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 5.4 | 12.7 | 5.4 | 0.0 | 0.0 | 0.0 | 23.5 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | T | 3.2 | 4.0 | 2.9 | 0.1 | 0.0 | 0.0 | 0.0 | 10.2 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.3 | 6.0 | 12.7 | 4.0 | 1.3 | 0.0 | 0.0 | 29.4 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 6.3 | 7.4 | 1.3 | 7.2 | 0.0 | 0.0 | 23.4 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 13.2 | 1.3 | 0.5 | 8.7 | 0.0 | 0.0 | 0.0 | 24.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 7.0 | 11.8 | 6.9 | 0.3 | 0.0 | 0.0 | 0.0 | 26.4 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.4 | T | 4.5 | T | T | 0.0 | 0.0 | 13.4 |
| 1986-87 | 0.0 | 0.0 | 0.0 | T | 0.6 | 1.2 | 10.5 | 5.0 | T | 0.0 | 0.0 | 0.0 | 17.3 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 2.0 | 11.9 | 0.9 | 9.3 | 2.2 | 0.0 | 0.0 | 0.0 | 26.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 6.5 | T | 0.0 | T | T | 6.9 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | T | 6.8 | 1.0 | 2.1 | 9.6 | 0.0 | T | 0.0 | 19.5 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.6 | 12.1 | T | 1.2 | T | 0.0 | 0.0 | 16.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 0.2 | T | 2.0 | 0.5 | 2.8 | 0.0 | 0.0 | 10.1 |
| 1992-93 | T | 0.0 | T | T | 4.1 | 0.8 | 12.0 | 15.7 | 1.1 | 0.6 | 0.0 | T | 34.3 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 0.5 | 2.7 | 1.4 | 10.3 | 0.5 | 2.6 | 0.0 | T | 18.0 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 1.3 | 0.7 | 2.4 | T | 0.0 | 0.0 | 6.9 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.3 | 11.4 | T | 0.7 | 1.0 | 0.0 | 0.0 | |
| 1996-97 | | | | 6.5 | 4.8 | 0.5 | 9.8 | 6.3 | 0.0 | 1.3 | T | 0.0 | |
| 1997-98 | 0.0 | 0.0 | 0.0 | 1.0 | 0.5 | 10.9 | 0.6 | 1.0 | 5.6 | 0.0 | T | T | 19.6 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 4.3 | 4.7 | 2.5 | T | 0.0 | 0.0 | 12.9 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 4.9 | 2.1 | 2.0 | 0.0 | T | 0.0 | 12.9 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | T | 11.8 | 2.0 | 7.7 | 1.3 | 0.0 | T | T | 22.8 |
| 2001-02 | 0.0 | T | T | T | 0.0 | T | 5.1 | T | 3.5 | 0.0 | 0.0 | 0.0 | 8.6 |
| 2002-03 | 0.0 | 0.0 | 0.0 | T | T | 0.3 | 4.8 | 2.7 | 1.6 | T | 0.0 | 0.0 | 9.4 |
| 2003- | 0.0 | 0.0 | T | 0.0 | T | 7.1 | | | | | | | |
| POR= 68 YRS | T | 0.0 | T | T | 1.1 | 4.4 | 5.5 | 4.3 | 3.3 | 0.9 | T | T | 19.5 |

WBAN : 03947

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> |
|---|--|

2003
INTERNATIONAL AIRPORT,
KANSAS CITY, MISSOURI (MCI)

The National Weather Service Office at Kansas City is very near the geographical center of the United States. The surrounding terrain is gently rolling. It has a modified continental climate. There are no natural topographic obstructions to prevent the free sweep of air from all directions. The influx of moist air from the Gulf of Mexico, or dry air from the semi-arid regions of the southwest, determine whether wet or dry conditions will prevail. There is often conflict between the warm moist gulf air and the cold polar continental air from the north in this area.

Early spring brings a period of frequent and rapid fluctuations in weather, with the fluctuations generally less frequent as spring progresses. The summer season is characterized by warm days and mild nights, with moderate humidities. July is the warmest month. The fall season is normally mild and usually includes a period near the middle of the season characterized by mild, sunny days, and cool nights. Winters are not severely cold. January is the coldest month. Falls of snow to a depth of 10 inches or more are comparatively rare. The distribution of measurable snow normally extends from November to April.

Nearly 60 percent of the annual precipitation occurs during the six months from April through September. More than 75 percent of the annual moisture normally falls during the growing season. The frequency and distribution of precipitation over a normal day is also important. The maximum frequency of precipitation, from April through October, occurs during the six hours following midnight and the minimum frequency occurs during the six hours following noon.

STATION LOCATION

INTERNATIONAL AIRPORT, KANSAS
CITY, MISSOURI

| 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 | | | | | | | | | | | |
| | | | | | | | GROUND | WIND | EXTREME | PSYCHROMETER | SUNSHINE | TIPPING GAUGE | WEIGHING | 8 INCH | HYGROMETER | | | |
| *NOTES: | | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | | |
| Post Office Building Municipal Airport | 1/1/34 | 11/2/39 | NA | 39°07' | 94°35' | 741 | 45 | 33 | 33 | Unk | 38 | NA | 38 | NA | NA | Exposure good. | | |
| Administration Building Municipal Airport | 11/2/39 | 1/20/66 | 100 ft. S | 39°07' | 94°35' | 741g742 | 76c90e22 | 39 | 39 | Unkd42 | 4b30 | 5a32 | 3a31 | f4 | NA | a. Moved to roof 12/5/49. b. Moved to roof 12/22/49. c. Raised 4/28/55. d. Effective 4/1/58. e. Lowered 12/9/59. f. Commissioned 2000' NW of thermometer site 11/1/63. g. Effective 11/1/63. | | |
| FAA Building Municipal Airport | 1/20/66 | 10/2/72 | 3000 ft. NW | 39°07' | 94°36' | 742 | h22 | NA | 4 | 20 | 4 | 4 | 4 | h4 | NA | h. Not moved 1/20/66. | | |
| FAA Building Municipal Airport + + Downtown Airport effective 4/23/79 | 10/2/72 | Present | Not Moved | 39°07' | 94°36' | 742 | 22 | NA | NA | NA | 4 | NA | NA | 4 | NA | Observations by FAA. | | |
| Trailer, SW corner International Airport | 10/2/72 | 4/25/79 | 13.5 mi. NW | 39°17' | 94°43' | 1014 | 20 | NA | NA | iUnk | NA | 4 | 4 | 4 | NA | NWS moved from Municipal AP. i. Roof site. Height unknown. | | |
| 1236 Mexico City Avenue International Airport | 4/15/79 | 07/01/95 | 2 mi. N | 39°19' | 94°43' | 973 | 32 | 4 | 4 | 7 | 4 | 5 | 4 | j4 | NA | j. Type change 10/5/84. | | |
| International Airport | 07/01/95 | Present | NA | 39°18' | 94°43' | k1005 | | | | | | | | | S | ASOS Commissioned 07/01/95 k. 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 edition.