

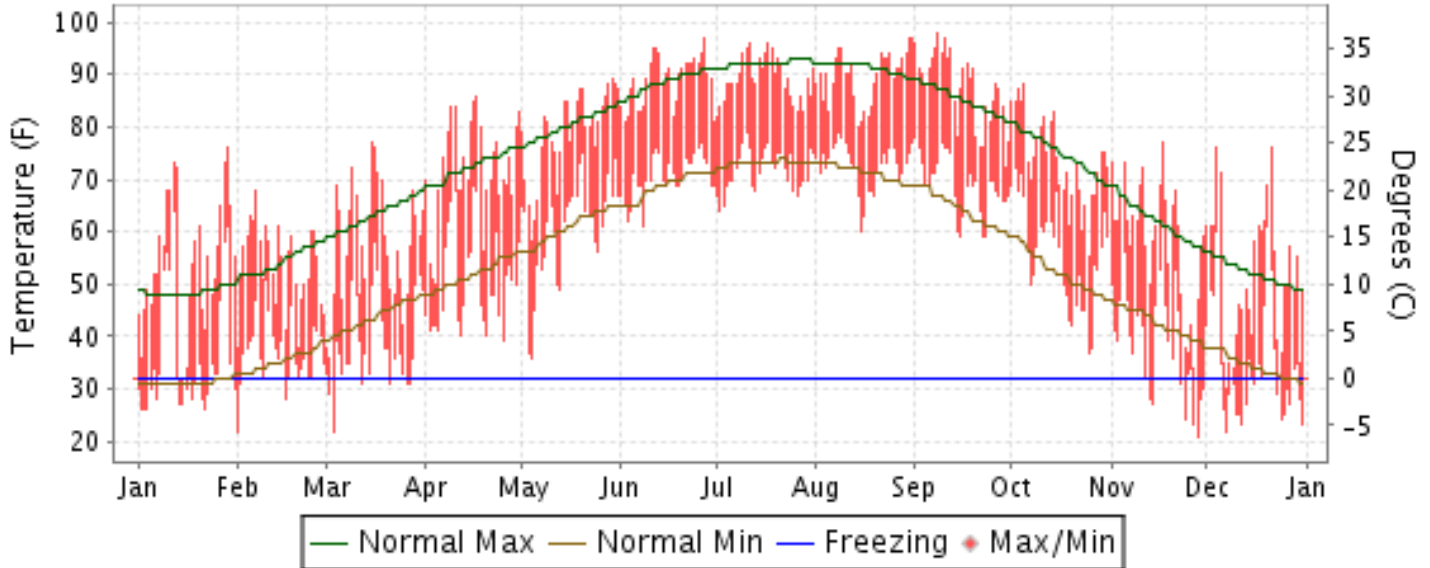


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

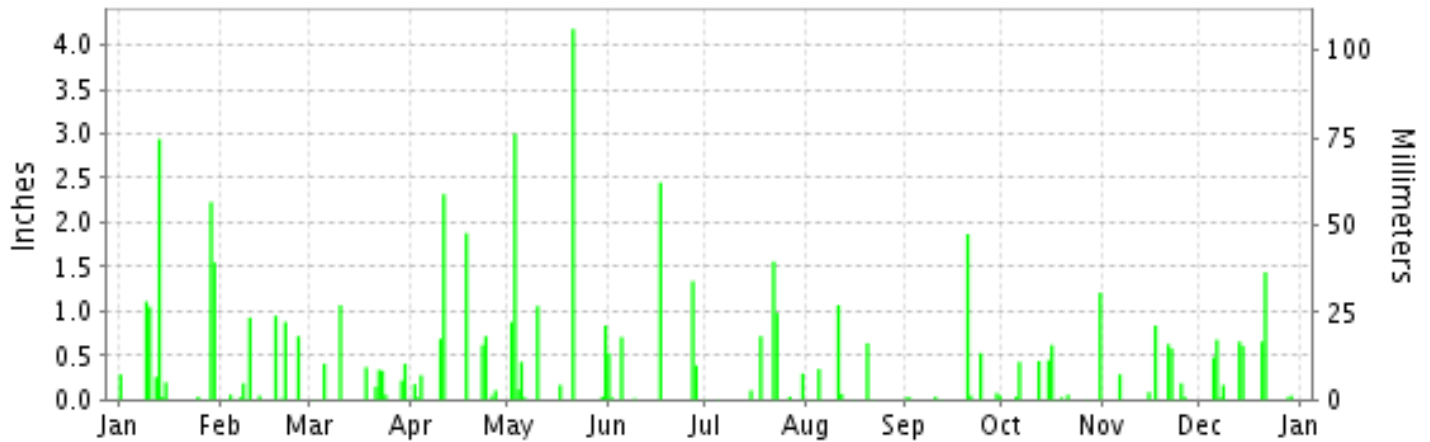
ISSN 0198-4829

MEMPHIS, TENNESSEE (KMEM)

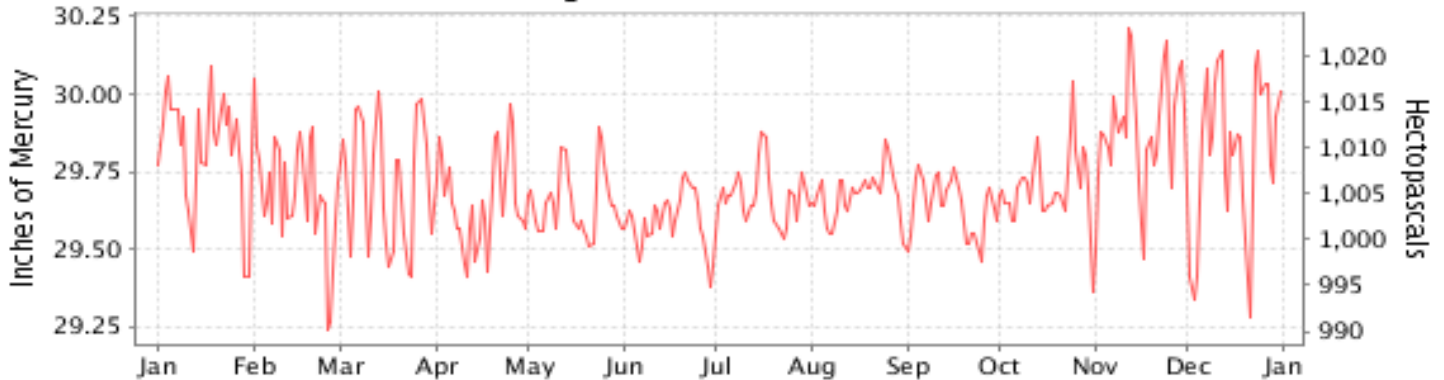
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

MEMPHIS (KMEM)

LATITUDE: 35° 3'N LONGITUDE: 89° 59'W ELEVATION (FT): GRND: 254 BARO: 286 TIME ZONE: CENTRAL (UTC -6) WBAN: 13893

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 53.9 | 53.5 | 57.8 | 71.7 | 78.7 | 88.9 | 89.1 | 89.6 | 87.4 | 73.7 | 59.0 | 51.4 | 71.2 | |
| | HIGHEST DAILY MAXIMUM | 76 | 68 | 77 | 86 | 89 | 97 | 96 | 97 | 98 | 88 | 77 | 76 | 98 | |
| | DATE OF OCCURRENCE | 29 | 07 | 15 | 17 | 29 | 27 | 17+ | 31+ | 08 | 05 | 17 | 21+ | SEP 08 | |
| | MEAN DAILY MINIMUM | 36.0 | 37.0 | 39.2 | 50.6 | 60.6 | 70.6 | 71.8 | 72.5 | 68.9 | 55.6 | 39.3 | 34.2 | 53.0 | |
| | LOWEST DAILY MINIMUM | 26 | 22 | 22 | 39 | 36 | 61 | 64 | 60 | 59 | 37 | 21 | 22 | 21 | |
| | DATE OF OCCURRENCE | 22+ | 01 | 03 | 25 | 04 | 08 | 02 | 15 | 15 | 25 | 28 | 07 | NOV 28 | |
| | AVERAGE DRY BULB | 45.0 | 45.3 | 48.5 | 61.2 | 69.7 | 79.8 | 80.5 | 81.1 | 78.2 | 64.6 | 49.2 | 42.8 | 62.2 | |
| | MEAN WET BULB | 40.2 | 39.7 | 42.2 | 54.1 | 62.3 | 70.5 | 71.5 | 72.6 | 68.2 | 58.5 | 43.2 | 39.0 | 55.2 | |
| | MEAN DEW POINT | 34.4 | 32.1 | 33.9 | 47.6 | 57.4 | 65.7 | 67.2 | 68.5 | 63.0 | 53.9 | 35.9 | 33.6 | 49.4 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 16 | 13 | 19 | 14 | 0 | 0 | 0 | 0 | 62 |
| | MAXIMUM <= 32° | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | |
| MINIMUM <= 32° | 17 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 18 | 58 | | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 624 | 547 | 506 | 172 | 57 | 0 | 0 | 0 | 0 | 113 | 472 | 685 | 3176 | |
| | COOLING DEGREE DAYS | 9 | 0 | 2 | 65 | 209 | 450 | 485 | 506 | 401 | 110 | 5 | 3 | 2245 | |
| RH | MEAN (PERCENT) | 70 | 63 | 61 | 64 | 68 | 64 | 67 | 68 | 63 | 71 | 63 | 72 | 66 | |
| | HOUR 00 LST | 73 | 69 | 65 | 69 | 75 | 72 | 73 | 75 | 71 | 77 | 68 | 79 | 72 | |
| | HOUR 06 LST | 80 | 70 | 73 | 77 | 80 | 79 | 81 | 83 | 79 | 84 | 74 | 78 | 78 | |
| | HOUR 12 LST | 61 | 54 | 55 | 54 | 59 | 55 | 57 | 58 | 51 | 59 | 52 | 62 | 56 | |
| | HOUR 18 LST | 64 | 59 | 53 | 54 | 59 | 53 | 58 | 58 | 54 | 63 | 59 | 70 | 59 | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | |
| | THUNDERSTORMS | 4 | 5 | 1 | 9 | 3 | 6 | 6 | 4 | 3 | 0 | 1 | 3 | 45 | |
| PR | MEAN STATION PRESS. (IN.) | 29.83 | 29.69 | 29.72 | 29.66 | 29.65 | 29.59 | 29.67 | 29.68 | 29.64 | 29.70 | 29.88 | 29.81 | 29.71 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.20 | 30.05 | 30.08 | 30.02 | 30.00 | 29.94 | 30.01 | 30.02 | 29.99 | 30.06 | 30.24 | 30.17 | 30.07 | |
| WINDS | RESULTANT SPEED (MPH) | 0.5 | 0.5 | 1.5 | 3.2 | 3.6 | 2.1 | 1.0 | 1.1 | 2.5 | 1.8 | 1.3 | 0.5 | 0.9 | |
| | RES. DIR. (TENS OF DEGS.) | 11 | 32 | 28 | 16 | 19 | 22 | 13 | 09 | 10 | 17 | 08 | 23 | 17 | |
| | MEAN SPEED (MPH) | 8.1 | 8.5 | 8.6 | 8.9 | 8.1 | 7.3 | 6.8 | 5.8 | 6.7 | 6.5 | 7.9 | 7.4 | 7.6 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 01 | 32 | 31 | 18 | 18 | 22 | 21 | 04 | 14 | 18 | 18 | 20 | 18 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 43 | 31 | 32 | 30 | 33 | 41 | 28 | 28 | 25 | 37 | 29 | 36 | 43 | |
| | DIR. (TENS OF DEGS.) | 22 | 17 | 30 | 31 | 16 | 28 | 05 | 31 | 07 | 18 | 36 | 19 | 22 | |
| | DATE OF OCCURRENCE | 29 | 18 | 24 | 18 | 31 | 27 | 18 | 12 | 01 | 31 | 26 | 21 | JAN 29 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 61 | 38 | 45 | 43 | 40 | 53 | 33 | 35 | 30 | 45 | 37 | 49 | 61 | | |
| DIR. (TENS OF DEGS.) | 22 | 11 | 30 | 31 | 17 | 29 | 06 | 29 | 08 | 18 | 36 | 18 | 22 | | |
| DATE OF OCCURRENCE | 29 | 10 | 24 | 18 | 31 | 27 | 18 | 12 | 01 | 31 | 26 | 21 | JAN 29 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 9.72 | 3.85 | 3.38 | 6.88 | 10.75 | 5.47 | 3.73 | 2.17 | 2.69 | 3.30 | 2.67 | 4.82 | 59.43 | |
| | GREATEST 24-HOUR (IN.) | 3.78 | 0.95 | 1.07 | 3.01 | 4.18 | 2.45 | 1.82 | 1.07 | 1.92 | 1.21 | 1.21 | 1.95 | 4.18 | |
| | DATE OF OCCURRENCE | 29-30 | 18 | 10 | 10-11 | 21 | 17 | 22-23 | 11 | 20-21 | 31 | 21-22 | 20-21 | MAY 21 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION 0.01 | 11 | 11 | 11 | 10 | 10 | 7 | 8 | 8 | 9 | 10 | 8 | 11 | 114 | | |
| PRECIPITATION 0.10 | 8 | 5 | 8 | 8 | 8 | 5 | 5 | 3 | 2 | 5 | 5 | 7 | 69 | | |
| PRECIPITATION 1.00 | 5 | 0 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 0 | 1 | 18 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | T | T | T | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | |
| | TOTAL (IN.) | T | T | T | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | |
| | GREATEST 24-HOUR (IN.) | 25+ | 21+ | 21+ | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 30+ | DEC 30+ | |
| | DATE OF OCCURRENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

NORMALS, MEANS, AND EXTREMES MEMPHIS (KMEM)

LATITUDE: 35° 3'N **LONGITUDE:** 89° 59'W **ELEVATION (FT):** GRND: 254 BARO: 286 **TIME ZONE:** CENTRAL (UTC -6) **WBAN: 13893**

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 49.8 | 54.7 | 63.9 | 73.0 | 81.2 | 88.9 | 91.6 | 91.3 | 85.1 | 74.4 | 62.6 | 52.1 | 72.4 |
| | MEAN DAILY MAXIMUM | 74 | 49.2 | 53.3 | 62.6 | 72.7 | 81.0 | 88.4 | 91.6 | 90.8 | 84.3 | 74.7 | 61.8 | 52.3 | 71.9 |
| | HIGHEST DAILY MAXIMUM | 72 | 79 | 81 | 86 | 94 | 99 | 104 | 108 | 107 | 103 | 95 | 86 | 81 | 108 |
| | YEAR OF OCCURRENCE | | 2002 | 1962 | 2007 | 1987 | 1977 | 1954 | 1980 | 2000 | 1954 | 2007 | 2000 | 1982 | JUL 1980 |
| | MEAN OF EXTREME MAXS. | 74 | 70.4 | 73.3 | 79.8 | 85.9 | 90.9 | 96.2 | 98.1 | 97.8 | 94.3 | 87.5 | 79.2 | 71.3 | 85.4 |
| | NORMAL DAILY MINIMUM | 30 | 32.6 | 36.3 | 44.1 | 52.9 | 62.2 | 70.3 | 73.8 | 72.7 | 65.2 | 53.8 | 43.7 | 35.1 | 53.6 |
| | MEAN DAILY MINIMUM | 74 | 31.9 | 34.9 | 42.9 | 52.4 | 61.4 | 69.2 | 73.0 | 71.6 | 64.1 | 52.5 | 42.0 | 34.7 | 52.6 |
| | LOWEST DAILY MINIMUM | 72 | -4 | -11 | 12 | 28 | 36 | 48 | 52 | 48 | 36 | 25 | 9 | -13 | -13 |
| | YEAR OF OCCURRENCE | | 1985 | 1951 | 1943 | 2007 | 2013 | 1966 | 1947 | 1946 | 1949 | 1952 | 1950 | 1963 | DEC 1963 |
| | MEAN OF EXTREME MINS. | 74 | 14.2 | 18.3 | 26.4 | 36.2 | 47.7 | 58.3 | 64.9 | 62.6 | 50.0 | 36.8 | 25.8 | 17.8 | 38.3 |
| | NORMAL DRY BULB | 30 | 41.2 | 45.5 | 54.0 | 62.9 | 71.7 | 79.6 | 82.7 | 82.0 | 75.2 | 64.1 | 53.2 | 43.6 | 63.0 |
| | MEAN DRY BULB | 74 | 40.5 | 44.1 | 52.8 | 62.6 | 71.2 | 78.9 | 82.3 | 81.2 | 74.2 | 63.6 | 51.9 | 43.5 | 62.2 |
| | MEAN WET BULB | 30 | 35.6 | 38.5 | 45.5 | 53.7 | 62.6 | 69.4 | 72.7 | 71.5 | 65.1 | 54.9 | 45.8 | 38.2 | 54.5 |
| | MEAN DEW POINT | 30 | 33.2 | 36.1 | 42.4 | 50.9 | 60.4 | 67.8 | 71.4 | 70.1 | 63.3 | 52.7 | 43.5 | 35.7 | 52.3 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.2 | 2.1 | 13.9 | 20.9 | 19.2 | 7.7 | 0.3 | 0.0 | 0.0 | 64.3 |
| | MAXIMUM <= 32 | 30 | 2.0 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 4.4 |
| | MINIMUM <= 32 | 30 | 14.5 | 9.5 | 3.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.2 | 12.4 | 42.9 |
| 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 | 0.1 | 0.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 738 | 548 | 358 | 137 | 19 | 0 | 0 | 0 | 11 | 120 | 368 | 665 | 2964 |
| | NORMAL COOLING DEG. DAYS | 30 | 1 | 2 | 17 | 75 | 226 | 438 | 549 | 527 | 316 | 92 | 13 | 2 | 2258 |
| RH | NORMAL (PERCENT) | 30 | 70 | 67 | 63 | 63 | 68 | 68 | 69 | 69 | 70 | 67 | 69 | 70 | 68 |
| | HOUR 00 LST | 30 | 74 | 71 | 68 | 70 | 75 | 76 | 78 | 78 | 78 | 75 | 73 | 73 | 74 |
| | HOUR 06 LST | 30 | 77 | 76 | 75 | 78 | 82 | 82 | 84 | 85 | 86 | 82 | 79 | 78 | 80 |
| | HOUR 12 LST | 30 | 63 | 58 | 55 | 53 | 57 | 57 | 58 | 57 | 56 | 53 | 58 | 62 | 57 |
| | HOUR 18 LST | 30 | 66 | 60 | 55 | 52 | 57 | 57 | 58 | 59 | 61 | 59 | 63 | 66 | 59 |
| S | PERCENT POSSIBLE SUNSHINE | 35 | 50 | 54 | 56 | 64 | 69 | 74 | 74 | 75 | 69 | 70 | 58 | 50 | 64 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 50 | 1.5 | 1.2 | 0.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 1.1 | 1.4 | 8.4 |
| | THUNDERSTORMS | 66 | 2.0 | 2.5 | 4.5 | 6.2 | 7.0 | 7.4 | 8.6 | 6.3 | 3.4 | 2.1 | 2.4 | 1.8 | 54.2 |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | 45 | 5.4 | 5.1 | 5.2 | 4.8 | 4.7 | 4.3 | 4.2 | 3.8 | 3.9 | 3.6 | 4.5 | 5.0 | 4.5 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 30 | 4.9 | 4.6 | 4.9 | 4.3 | 4.3 | 3.9 | 3.6 | 3.4 | 3.6 | 3.3 | 4.2 | 4.7 | 4.1 |
| | MEAN NO. DAYS WITH: CLEAR | 43 | 7.7 | 7.9 | 7.9 | 8.6 | 8.4 | 9.6 | 10.2 | 11.8 | 12.5 | 14.4 | 10.2 | 8.9 | 118.1 |
| | PARTLY CLOUDY | 43 | 5.8 | 5.6 | 6.5 | 7.3 | 9.6 | 11.1 | 11.9 | 11.7 | 7.5 | 7.0 | 6.2 | 5.6 | 95.8 |
| | CLOUDY | 43 | 17.5 | 14.8 | 16.6 | 14.1 | 13.0 | 9.3 | 8.9 | 7.4 | 10.0 | 9.7 | 13.6 | 16.5 | 151.4 |
| PR | MEAN STATION PRESSURE(IN) | 30 | 29.81 | 29.77 | 29.71 | 29.66 | 29.65 | 29.64 | 29.67 | 29.67 | 29.69 | 29.73 | 29.77 | 29.80 | 29.71 |
| | MEAN SEA-LEVEL PRES. (IN) | 30 | 30.16 | 30.12 | 30.05 | 29.99 | 29.97 | 29.96 | 30.00 | 30.00 | 30.02 | 30.08 | 30.12 | 30.16 | 30.05 |
| WINDS | MEAN SPEED (MPH) | 30 | 8.9 | 9.3 | 9.5 | 9.3 | 8.3 | 7.4 | 6.9 | 6.6 | 7.2 | 7.2 | 8.1 | 8.7 | 8.1 |
| | PREVAIL.DIR.(TENS OF DEGS) | 39 | 20 | 20 | 19 | 20 | 19 | 20 | 22 | 22 | 03 | 19 | 19 | 19 | 20 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 14 | 43 | 48 | 43 | 41 | 41 | 45 | 48 | 45 | 36 | 37 | 35 | 38 | 48 |
| | DIR. (TENS OF DEGS) | | 22 | 30 | 02 | 29 | 29 | 20 | 31 | 07 | 14 | 18 | 30 | 19 | 30 |
| | YEAR OF OCCURRENCE | | 2013 | 2008 | 2004 | 2005 | 2008 | 2011 | 2003 | 2003 | 2005 | 2013 | 2005 | 2008 | FEB 2008 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 14 | 61 | 55 | 56 | 64 | 54 | 72 | 61 | 59 | 47 | 48 | 51 | 49 | 72 |
| | DIR. (TENS OF DEGS) | | 22 | 30 | 27 | 29 | 30 | 20 | 30 | 30 | 33 | 22 | 29 | 18 | 20 |
| | YEAR OF OCCURRENCE | | 2013 | 2008 | 2010 | 2011 | 2008 | 2011 | 2003 | 2002 | 2012 | 2010 | 2002 | 2013 | JUN 2011 |
| PRECIPITATION | NORMAL (IN) | 30 | 3.98 | 4.39 | 5.16 | 5.50 | 5.25 | 3.63 | 4.59 | 2.88 | 3.09 | 3.98 | 5.49 | 5.74 | 53.68 |
| | MAXIMUM MONTHLY (IN) | 63 | 12.21 | 10.51 | 12.08 | 17.13 | 11.58 | 10.17 | 9.96 | 9.65 | 12.34 | 10.56 | 11.60 | 13.81 | 17.13 |
| | YEAR OF OCCURRENCE | | 1951 | 1989 | 1975 | 1991 | 1953 | 1996 | 1998 | 1978 | 2002 | 2009 | 2001 | 1982 | APR 1991 |
| | MINIMUM MONTHLY (IN) | 63 | 0.57 | 1.12 | 1.50 | 1.04 | 0.83 | 0.04 | 0.43 | 0.43 | 0.14 | T | 0.75 | 1.05 | 0.04 |
| | YEAR OF OCCURRENCE | | 1986 | 1980 | 1966 | 2012 | 1977 | 1953 | 1954 | 1953 | 2010 | 1963 | 1965 | 1955 | JUN 1953 |
| | MAXIMUM IN 24 HOURS (IN) | 63 | 3.89 | 4.24 | 5.95 | 4.98 | 4.94 | 4.76 | 4.71 | 4.04 | 7.11 | 5.36 | 7.30 | 5.42 | 7.30 |
| | YEAR OF OCCURRENCE | | 1974 | 1989 | 1975 | 2011 | 1958 | 1980 | 1980 | 1978 | 2002 | 2002 | 2001 | 1978 | NOV 2001 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 9.5 | 9.2 | 10.5 | 9.6 | 10.3 | 9.0 | 8.8 | 6.8 | 7.3 | 7.5 | 9.5 | 9.7 | 107.7 |
| | PRECIPITATION >= 1.00 | 30 | 1.0 | 1.3 | 1.6 | 2.0 | 1.7 | 1.2 | 1.6 | 0.9 | 1.0 | 1.3 | 1.8 | 2.0 | 17.4 |
| SNOWFALL | NORMAL (IN) | 30 | 1.9 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.8 |
| | MAXIMUM MONTHLY (IN) | 56 | 12.4 | 8.3 | 17.3 | T | T | T | T | 0.0 | 0.0 | T | 1.5 | 14.3 | 17.3 |
| | YEAR OF OCCURRENCE | | 1985 | 1985 | 1968 | 2011 | 2010 | 2013 | | | | 1993 | 1976 | 1963 | MAR 1968 |
| | MAXIMUM IN 24 HOURS (IN) | 56 | 8.1 | 5.8 | 16.1 | T | T | T | 0.0 | 0.0 | 0.0 | T | 1.2 | 14.3 | 16.1 |
| | YEAR OF OCCURRENCE | | 1985 | 1960 | 1968 | 2011 | 2010 | 2013 | | | | 1993 | 1976 | 1963 | MAR 1968 |
| | MAXIMUM SNOW DEPTH (IN) | 58 | 12 | 6 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 13 |
| | YEAR OF OCCURRENCE | | 1948 | 1985 | 1968 | | | | | | | | 1991 | 1963 | DEC 1963 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 0.6 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | |

PRECIPITATION (inches) 2013 MEMPHIS (KMEM)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 1984 | 1.88 | 4.37 | 6.07 | 5.24 | 9.06 | 1.12 | 4.59 | 5.00 | 1.96 | 7.75 | 5.85 | 4.35 | 57.24 |
| 1985 | 3.78 | 4.10 | 4.96 | 6.51 | 2.23 | 4.55 | 3.50 | 3.50 | 4.03 | 3.36 | 3.87 | 3.27 | 47.66 |
| 1986 | 0.57 | 2.50 | 1.90 | 3.72 | 4.63 | 3.80 | 1.21 | 2.74 | 1.21 | 3.75 | 8.67 | 3.92 | 38.62 |
| 1987 | 1.76 | 5.81 | 3.38 | 3.78 | 2.96 | 3.66 | 2.06 | 4.12 | 2.01 | 1.96 | 10.45 | 11.39 | 53.34 |
| 1988 | 4.25 | 3.49 | 4.20 | 2.85 | 2.38 | 2.15 | 5.21 | 0.85 | 4.73 | 3.62 | 10.52 | 5.99 | 50.24 |
| 1989 | 7.91 | 10.51 | 5.50 | 2.13 | 2.36 | 7.20 | 7.55 | 1.43 | 6.08 | 2.37 | 3.65 | 2.20 | 58.89 |
| 1990 | 3.97 | 8.99 | 5.65 | 6.93 | 4.55 | 2.68 | 2.21 | 1.18 | 5.21 | 4.37 | 3.44 | 10.61 | 59.79 |
| 1991 | 2.90 | 6.46 | 3.68 | 17.13 | 5.10 | 1.42 | 1.92 | 2.06 | 1.47 | 4.39 | 5.54 | 7.04 | 59.11 |
| 1992 | 1.78 | 2.18 | 7.07 | 1.39 | 3.68 | 7.50 | 5.38 | 2.44 | 3.62 | 4.01 | 4.82 | 3.28 | 47.15 |
| 1993 | 3.59 | 2.46 | 3.14 | 6.20 | 4.56 | 4.20 | 0.86 | 3.69 | 3.73 | 1.91 | 4.07 | 5.59 | 44.00 |
| 1994 | 5.53 | 4.67 | 6.65 | 4.04 | 3.00 | 5.03 | 4.03 | 2.00 | 1.44 | 2.72 | 4.34 | 6.04 | 49.49 |
| 1995 | 7.07 | 2.12 | 3.35 | 4.38 | 5.90 | 6.66 | 8.42 | 3.63 | 0.39 | 1.57 | 7.62 | 5.79 | 56.90 |
| 1996 | 5.53 | 2.77 | 5.31 | 3.37 | 6.28 | 10.17 | 9.89 | 2.07 | 5.99 | 7.12 | 11.51 | 6.18 | 76.19 |
| 1997 | 4.37 | 7.63 | 11.28 | 8.91 | 8.00 | 6.75 | 4.35 | 4.01 | 6.31 | 4.06 | 1.69 | 4.52 | 71.88 |
| 1998 | 6.73 | 5.55 | 5.14 | 8.24 | 1.71 | 1.09 | 9.96 | 2.54 | 1.70 | 2.34 | 2.56 | 4.25 | 51.81 |
| 1999 | 6.15 | 2.10 | 6.59 | 8.92 | 4.79 | 2.42 | 3.63 | 1.18 | 1.11 | 1.53 | 2.37 | 4.73 | 45.52 |
| 2000 | 1.37 | 5.37 | 4.42 | 4.41 | 4.02 | 3.79 | 2.23 | 0.77 | 1.08 | 0.45 | 6.89 | 2.47 | 37.27 |
| 2001 | 3.32 | 6.89 | 3.54 | 3.94 | 6.35 | 2.12 | 5.53 | 2.25 | 3.35 | 6.93 | 11.60 | 10.19 | 66.01 |
| 2002 | 4.03 | 1.68 | 11.83 | 2.36 | 5.33 | 2.22 | 8.45 | 5.26 | 12.34 | 8.28 | 3.40 | 9.66 | 74.84 |
| 2003 | 0.87 | 8.23 | 2.95 | 3.52 | 11.40 | 4.82 | 3.29 | 2.22 | 3.54 | 3.01 | 5.05 | 3.08 | 51.98 |
| 2004 | 3.14 | 4.44 | 3.88 | 6.77 | 6.04 | 3.22 | 3.10 | 2.97 | 0.25 | 6.16 | 9.38 | 4.36 | 53.71 |
| 2005 | 4.98 | 3.19 | 3.52 | 5.30 | 1.10 | 1.40 | 8.21 | 5.68 | 1.60 | 0.79 | 2.33 | 1.91 | 40.01 |
| 2006 | 7.17 | 3.77 | 3.79 | 3.72 | 3.83 | 1.73 | 1.20 | 2.99 | 2.87 | 1.95 | 3.08 | 6.10 | 42.20 |
| 2007 | 4.73 | 2.17 | 2.82 | 2.61 | 1.30 | 0.72 | 4.05 | 2.81 | 1.39 | 3.96 | 3.52 | 4.73 | 34.81 |
| 2008 | 4.68 | 2.51 | 10.00 | 8.66 | 7.61 | 2.97 | 2.49 | 7.45 | 2.49 | 4.34 | 2.36 | 8.65 | 64.21 |
| 2009 | 3.07 | 3.26 | 6.12 | 3.63 | 7.73 | 2.13 | 8.46 | 1.21 | 8.59 | 10.56 | 1.37 | 5.13 | 61.26 |
| 2010 | 3.93 | 3.87 | 3.62 | 7.02 | 9.26 | 0.31 | 6.30 | 2.32 | 0.14 | 2.04 | 6.57 | 2.52 | 47.90 |
| 2011 | 1.49 | 3.36 | 4.95 | 11.76 | 7.12 | 3.55 | 2.95 | 3.08 | 2.56 | 1.28 | 7.71 | 8.55 | 58.36 |
| 2012 | 1.73 | 3.03 | 4.35 | 1.04 | 3.17 | 1.38 | 2.26 | 2.64 | 7.01 | 3.66 | 2.90 | 3.73 | 36.90 |
| 2013 | 9.72 | 3.85 | 3.38 | 6.88 | 10.75 | 5.47 | 3.73 | 2.17 | 2.69 | 3.30 | 2.67 | 4.82 | 59.43 |
| POR= 74 YRS | 4.46 | 4.45 | 5.28 | 5.51 | 5.04 | 3.65 | 4.02 | 3.32 | 3.25 | 3.18 | 4.83 | 5.31 | 52.30 |

WBAN : 13893

AVERAGE TEMPERATURE (°F) 2013 MEMPHIS (KMEM)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1984 | 35.9 | 47.6 | 51.1 | 61.0 | 69.5 | 80.9 | 80.9 | 79.8 | 71.9 | 68.4 | 50.9 | 53.8 | 62.6 |
| 1985 | 32.4 | 40.6 | 57.7 | 65.0 | 71.8 | 78.9 | 82.2 | 80.2 | 73.6 | 67.2 | 57.6 | 36.9 | 62.0 |
| 1986 | 41.9 | 48.0 | 55.2 | 64.4 | 72.5 | 81.0 | 86.5 | 79.2 | 79.1 | 64.2 | 51.1 | 42.6 | 63.8 |
| 1987 | 39.6 | 47.1 | 54.7 | 62.2 | 76.5 | 80.0 | 82.5 | 83.6 | 75.3 | 59.2 | 54.4 | 46.7 | 63.5 |
| 1988 | 36.8 | 42.2 | 52.3 | 62.8 | 71.8 | 80.3 | 81.6 | 83.7 | 76.3 | 59.1 | 54.6 | 44.9 | 62.2 |
| 1989 | 47.3 | 40.0 | 53.8 | 62.6 | 69.5 | 77.6 | 80.7 | 81.2 | 72.4 | 64.2 | 54.2 | 33.6 | 61.4 |
| 1990 | 48.5 | 52.0 | 55.3 | 61.4 | 68.3 | 80.7 | 82.5 | 82.0 | 77.9 | 61.3 | 57.1 | 45.8 | 64.4 |
| 1991 | 41.2 | 48.0 | 55.4 | 65.0 | 74.6 | 80.3 | 83.3 | 80.9 | 75.3 | 65.5 | 49.2 | 46.8 | 63.8 |
| 1992 | 42.2 | 49.9 | 53.7 | 63.0 | 70.4 | 76.9 | 82.5 | 76.8 | 73.2 | 63.8 | 50.7 | 43.8 | 62.2 |
| 1993 | 42.7 | 42.6 | 51.1 | 59.3 | 69.9 | 79.2 | 86.4 | 83.6 | 73.5 | 62.2 | 50.2 | 44.8 | 62.1 |
| 1994 | 37.8 | 46.3 | 54.2 | 67.0 | 69.4 | 82.3 | 81.1 | 79.4 | 72.5 | 63.6 | 56.6 | 46.7 | 63.1 |
| 1995 | 42.2 | 44.2 | 56.2 | 62.9 | 71.1 | 77.0 | 81.1 | 84.5 | 73.0 | 65.2 | 48.3 | 43.2 | 62.4 |
| 1996 | 39.2 | 45.0 | 48.0 | 59.7 | 74.2 | 78.4 | 80.5 | 79.6 | 72.3 | 63.1 | 49.1 | 46.8 | 61.3 |
| 1997 | 39.7 | 47.6 | 56.7 | 57.9 | 67.9 | 75.7 | 82.5 | 79.3 | 74.7 | 62.6 | 48.5 | 42.3 | 61.3 |
| 1998 | 45.8 | 48.5 | 51.9 | 61.4 | 75.3 | 83.2 | 84.1 | 81.8 | 80.5 | 66.6 | 55.9 | 45.1 | 65.0 |
| 1999 | 46.0 | 51.4 | 50.9 | 67.0 | 71.2 | 79.7 | 83.7 | 82.7 | 75.2 | 64.3 | 57.0 | 45.8 | 64.6 |
| 2000 | 42.8 | 50.2 | 56.4 | 60.6 | 73.9 | 78.6 | 83.4 | 86.3 | 76.7 | 68.1 | 50.2 | 32.7 | 63.3 |
| 2001 | 38.0 | 47.7 | 49.3 | 67.7 | 72.1 | 77.7 | 83.2 | 81.8 | 73.6 | 61.7 | 57.3 | 48.2 | 63.2 |
| 2002 | 45.7 | 43.5 | 50.6 | 66.2 | 69.1 | 80.1 | 82.7 | 82.0 | 77.7 | 63.0 | 49.0 | 44.2 | 62.8 |
| 2003 | 37.7 | 42.0 | 54.3 | 64.2 | 71.7 | 75.1 | 81.1 | 81.4 | 72.2 | 64.2 | 55.5 | 43.9 | 61.9 |
| 2004 | 41.9 | 43.1 | 57.3 | 61.9 | 74.1 | 78.6 | 80.3 | 77.9 | 76.4 | 68.7 | 57.1 | 44.2 | 63.5 |
| 2005 | 46.5 | 49.6 | 53.5 | 63.6 | 71.7 | 81.7 | 82.5 | 84.8 | 78.9 | 64.4 | 55.7 | 42.0 | 64.6 |
| 2006 | 49.7 | 42.2 | 55.2 | 68.2 | 72.3 | 79.8 | 84.1 | 84.9 | 73.1 | 62.5 | 52.1 | 47.5 | 64.3 |
| 2007 | 42.7 | 42.6 | 62.5 | 60.3 | 74.7 | 82.2 | 82.1 | 88.5 | 79.0 | 68.6 | 54.5 | 47.8 | 65.5 |
| 2008 | 40.3 | 46.6 | 54.1 | 61.2 | 70.8 | 80.4 | 83.4 | 80.4 | 74.9 | 63.5 | 50.3 | 43.6 | 62.5 |
| 2009 | 39.6 | 48.0 | 55.1 | 62.0 | 71.7 | 81.3 | 79.3 | 79.9 | 75.7 | 60.8 | 55.1 | 40.9 | 62.5 |
| 2010 | 37.2 | 37.5 | 52.7 | 66.0 | 74.2 | 84.6 | 84.9 | 86.6 | 79.2 | 66.1 | 53.9 | 40.3 | 63.6 |
| 2011 | 38.9 | 47.2 | 54.3 | 65.8 | 70.3 | 83.7 | 86.1 | 84.0 | 73.3 | 62.7 | 55.9 | 46.5 | 64.1 |
| 2012 | 47.7 | 49.0 | 64.9 | 66.0 | 76.3 | 80.3 | 85.4 | 82.7 | 75.3 | 61.4 | 51.7 | 49.8 | 65.9 |
| 2013 | 45.0 | 45.3 | 48.5 | 61.2 | 69.7 | 79.8 | 80.5 | 81.1 | 78.2 | 64.6 | 49.2 | 42.8 | 62.2 |
| POR= 74 YRS | 40.5 | 44.1 | 52.8 | 62.6 | 71.2 | 78.9 | 82.3 | 81.2 | 74.2 | 63.6 | 51.9 | 43.5 | 62.2 |

HEATING DEGREE DAYS (base 65°F) 2013 MEMPHIS (KMEM)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1984-85 | 0 | 0 | 37 | 48 | 423 | 367 | 1004 | 683 | 254 | 100 | 6 | 0 | 2922 |
| 1985-86 | 0 | 0 | 17 | 54 | 257 | 864 | 708 | 475 | 307 | 102 | 8 | 0 | 2792 |
| 1986-87 | 0 | 0 | 0 | 102 | 413 | 687 | 782 | 492 | 322 | 154 | 0 | 0 | 2952 |
| 1987-88 | 0 | 0 | 0 | 186 | 324 | 559 | 867 | 657 | 393 | 108 | 0 | 0 | 3094 |
| 1988-89 | 0 | 0 | 1 | 202 | 314 | 619 | 544 | 694 | 369 | 174 | 41 | 0 | 2958 |
| 1989-90 | 0 | 0 | 24 | 102 | 337 | 966 | 503 | 363 | 321 | 181 | 38 | 0 | 2835 |
| 1990-91 | 0 | 0 | 11 | 182 | 249 | 593 | 728 | 471 | 329 | 57 | 7 | 0 | 2627 |
| 1991-92 | 0 | 0 | 23 | 90 | 481 | 556 | 699 | 433 | 347 | 144 | 30 | 0 | 2803 |
| 1992-93 | 0 | 0 | 15 | 87 | 428 | 650 | 685 | 617 | 433 | 200 | 15 | 2 | 3132 |
| 1993-94 | 0 | 0 | 14 | 164 | 447 | 618 | 839 | 524 | 337 | 78 | 38 | 0 | 3059 |
| 1994-95 | 0 | 0 | 16 | 117 | 261 | 559 | 703 | 574 | 292 | 123 | 32 | 0 | 2677 |
| 1995-96 | 0 | 0 | 18 | 79 | 495 | 666 | 792 | 577 | 525 | 190 | 9 | 0 | 3351 |
| 1996-97 | 0 | 0 | 12 | 115 | 475 | 561 | 776 | 479 | 267 | 214 | 36 | 0 | 2935 |
| 1997-98 | 0 | 0 | 0 | 181 | 490 | 696 | 587 | 457 | 439 | 133 | 4 | 0 | 2987 |
| 1998-99 | 0 | 0 | 0 | 58 | 275 | 622 | 586 | 381 | 432 | 68 | 0 | 0 | 2422 |
| 1999-00 | 0 | 0 | 6 | 112 | 241 | 591 | 679 | 430 | 269 | 150 | 0 | 0 | 2478 |
| 2000-01 | 0 | 0 | 11 | 81 | 455 | 996 | 829 | 479 | 479 | 72 | 5 | 0 | 3407 |
| 2001-02 | 0 | 0 | 20 | 150 | 235 | 513 | 601 | 598 | 444 | 94 | 41 | 0 | 2696 |
| 2002-03 | 0 | 0 | 0 | 125 | 480 | 639 | 839 | 639 | 326 | 97 | 0 | 0 | 3145 |
| 2003-04 | 0 | 0 | 16 | 87 | 304 | 645 | 712 | 627 | 264 | 139 | 24 | 0 | 2818 |
| 2004-05 | 0 | 0 | 0 | 43 | 240 | 639 | 573 | 425 | 357 | 94 | 32 | 0 | 2403 |
| 2005-06 | 0 | 0 | 1 | 137 | 304 | 708 | 467 | 629 | 330 | 54 | 21 | 0 | 2651 |
| 2006-07 | 0 | 0 | 8 | 162 | 387 | 539 | 683 | 615 | 172 | 198 | 2 | 0 | 2766 |
| 2007-08 | 0 | 0 | 0 | 84 | 318 | 525 | 764 | 536 | 348 | 163 | 20 | 0 | 2758 |
| 2008-09 | 0 | 0 | 0 | 125 | 438 | 657 | 783 | 475 | 325 | 155 | 8 | 0 | 2966 |
| 2009-10 | 0 | 0 | 1 | 149 | 291 | 739 | 856 | 764 | 379 | 52 | 14 | 0 | 3245 |
| 2010-11 | 0 | 0 | 0 | 61 | 329 | 756 | 803 | 497 | 353 | 81 | 64 | 0 | 2944 |
| 2011-12 | 0 | 0 | 0 | 144 | 291 | 566 | 527 | 458 | 104 | 81 | 0 | 0 | 2171 |
| 2012-13 | 0 | 0 | 2 | 160 | 395 | 470 | 624 | 547 | 506 | 172 | 57 | 0 | 2933 |
| 2013- | 0 | 0 | 0 | 113 | 472 | 685 | | | | | | | |

WBAN : 13893

COOLING DEGREE DAYS (base 65°F) 2013 MEMPHIS (KMEM)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1984 | 0 | 1 | 4 | 51 | 169 | 482 | 502 | 462 | 249 | 162 | 5 | 23 | 2110 |
| 1985 | 0 | 6 | 30 | 107 | 224 | 425 | 540 | 478 | 285 | 129 | 42 | 0 | 2266 |
| 1986 | 0 | 3 | 12 | 91 | 247 | 487 | 673 | 448 | 427 | 81 | 4 | 0 | 2473 |
| 1987 | 0 | 0 | 9 | 78 | 366 | 458 | 549 | 584 | 315 | 12 | 13 | 0 | 2384 |
| 1988 | 0 | 0 | 7 | 52 | 221 | 469 | 518 | 586 | 347 | 24 | 8 | 0 | 2232 |
| 1989 | 0 | 2 | 27 | 109 | 186 | 386 | 496 | 510 | 254 | 84 | 20 | 0 | 2074 |
| 1990 | 0 | 7 | 27 | 83 | 146 | 477 | 550 | 534 | 404 | 71 | 18 | 2 | 2319 |
| 1991 | 0 | 0 | 34 | 62 | 309 | 464 | 576 | 500 | 339 | 113 | 13 | 0 | 2410 |
| 1992 | 0 | 0 | 5 | 92 | 204 | 363 | 551 | 375 | 268 | 55 | 4 | 0 | 1917 |
| 1993 | 0 | 0 | 8 | 38 | 173 | 436 | 669 | 584 | 275 | 84 | 13 | 0 | 2280 |
| 1994 | 0 | 7 | 8 | 145 | 179 | 525 | 502 | 451 | 247 | 80 | 15 | 0 | 2159 |
| 1995 | 4 | 0 | 26 | 66 | 229 | 365 | 507 | 612 | 264 | 91 | 2 | 1 | 2167 |
| 1996 | 0 | 6 | 5 | 40 | 302 | 408 | 486 | 458 | 237 | 62 | 4 | 3 | 2011 |
| 1997 | 1 | 1 | 14 | 7 | 132 | 327 | 550 | 446 | 297 | 114 | 0 | 0 | 1889 |
| 1998 | 0 | 0 | 39 | 33 | 330 | 550 | 598 | 528 | 471 | 114 | 9 | 13 | 2685 |
| 1999 | 5 | 6 | 0 | 136 | 199 | 447 | 587 | 555 | 319 | 99 | 10 | 1 | 2364 |
| 2000 | 0 | 7 | 12 | 24 | 284 | 416 | 579 | 667 | 371 | 184 | 18 | 0 | 2562 |
| 2001 | 0 | 2 | 0 | 159 | 232 | 387 | 569 | 526 | 285 | 56 | 8 | 2 | 2226 |
| 2002 | 11 | 0 | 4 | 136 | 175 | 460 | 555 | 531 | 385 | 71 | 6 | 0 | 2334 |
| 2003 | 0 | 0 | 1 | 79 | 216 | 309 | 507 | 517 | 235 | 68 | 28 | 0 | 1960 |
| 2004 | 3 | 0 | 34 | 51 | 311 | 417 | 484 | 405 | 347 | 164 | 9 | 3 | 2228 |
| 2005 | 6 | 0 | 10 | 58 | 247 | 508 | 549 | 619 | 427 | 126 | 31 | 0 | 2581 |
| 2006 | 0 | 0 | 34 | 156 | 253 | 453 | 599 | 621 | 259 | 87 | 6 | 0 | 2468 |
| 2007 | 0 | 0 | 96 | 62 | 310 | 524 | 533 | 733 | 429 | 202 | 11 | 0 | 2900 |
| 2008 | 4 | 10 | 17 | 57 | 209 | 469 | 578 | 485 | 302 | 87 | 3 | 0 | 2221 |
| 2009 | 0 | 2 | 21 | 75 | 221 | 496 | 450 | 471 | 328 | 21 | 3 | 0 | 2088 |
| 2010 | 0 | 0 | 3 | 92 | 306 | 596 | 623 | 677 | 432 | 105 | 3 | 0 | 2837 |
| 2011 | 0 | 3 | 28 | 111 | 234 | 568 | 661 | 597 | 258 | 80 | 24 | 0 | 2564 |
| 2012 | 0 | 1 | 104 | 117 | 358 | 463 | 638 | 556 | 317 | 55 | 4 | 4 | 2617 |
| 2013 | 9 | 0 | 2 | 65 | 209 | 450 | 485 | 506 | 401 | 110 | 5 | 3 | 2245 |

SNOWFALL (inches) 2013 MEMPHIS (KMEM)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 12.4 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 20.7 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 0.4 | 0.0 | 0.0 | 0.0 | |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 8.2 | 3.0 | T | 0.0 | 0.0 | 0.0 | 11.2 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.3 | T | 0.0 | T | 0.0 | 0.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | T | 0.4 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.4 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | T | T | 1.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | T | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.6 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | T | T | T | T | 0.0 | T |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.7 | 2.4 | T | 0.0 | 0.0 | 0.0 | 3.1 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.5 | 0.7 | 0.0 | T | T | 3.7 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.4 | 0.2 | T | 0.0 | 0.0 | 0.0 | 0.6 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.8 | 0.7 | 0.0 | 0.0 | T | 0.0 | 4.5 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 3.0 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | T | T | T | 0.0 | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003-04 | | | | | | | | | | | | | |
| 2004-05 | | | | | | | | | | | | | |
| 2005-06 | | | | | | | | | | | | | |
| 2006-07 | | | | | | T | T | 2.2 | T | T | 0.0 | 0.0 | |
| 2007-08 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | T | 5.4 | T | T | 0.0 | 5.4 |
| 2008-09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 3.0 | 0.3 | 0.0 | 0.0 | 0.0 | 4.1 |
| 2009-10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.4 | 5.4 | T | 0.0 | T | 0.0 | 6.8 |
| 2010-11 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.3 | 6.1 | 3.3 | 0.0 | T | 0.0 | 0.0 | 9.7 |
| 2011-12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.3 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| 2012-13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | T | T | T | 0.0 | 0.0 | T | 0.9 |
| 2013- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | | | | | | | |
| POR= 73 YRS | 0.0 | 0.0 | 0.0 | T | 0.1 | 0.4 | 2.0 | 1.1 | 0.6 | T | T | T | 4.2 |

WBAN : 13893

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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p> | <p>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. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
|---|---|

2013 MEMPHIS TENNESSEE (KMEM)

Topography varies from the level alluvial area in east-central Arkansas to the slightly rolling area in northwestern Mississippi and southwestern Tennessee.

Agricultural interests are varied, with major crops being cotton, corn, hay, soybeans, peaches, apples, and a considerable number of vegetables. The climate is quite favorable for dairy interests, and for the raising of cattle and hogs.

The growing season is about 230 days in length. The average date for the last occurrence of temperatures as low as 32 degrees is late March. The average date of the first temperature of 32 degrees or below is early November.

Precipitation of nearly 50 inches per year is fairly well distributed. Crops and pastures receive, on the average, an adequate supply of moisture during the growing season, with lesser amounts during the fall harvesting period.

Sunshine averages slightly over 70 percent of the possible amount during the growing season. Relative humidity averages about 70 percent for the year.

Memphis, although not in the normal paths of storms coming from the Gulf or from western Canada, is affected by both, and thereby has comparatively frequent changes in weather. Extremely high or low temperatures, however, are relatively rare.

Station History

MEMPHIS, TN

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|--------------------------|------------|------------|----------|-----------|----------------|------------|-----------------------|
| MEMPHIS MUNICIPAL AP | 1931-10-24 | 1948-09-01 | 35° 3' | -89° 58' | | | AIRWAYS |
| MEMPHIS MUNICIPAL AP | 1969-01-01 | 1969-10-01 | 35° 3' | -89° 58' | 258 | | COOP, WXSVC |
| MEMPHIS INTERNATIONAL AP | 2006-11-16 | 2011-06-16 | 35° 3' | -89° 59' | 254 | | AIRSAMPLE, ASOS, COOP |
| MEMPHIS INTERNATIONAL AP | 2005-11-15 | 2006-11-16 | 35° 3' | -89° 59' | 254 | | ASOS, COOP |
| MEMPHIS INTERNATIONAL AP | 1985-10-01 | 1987-10-01 | 35° 3' | -90° 00' | 258 | .3 MI E | COOP |
| MEMPHIS MUNICIPAL AP | 1948-09-01 | 1969-01-01 | 35° 3' | -89° 58' | 258 | | AIRWAYS, COOP |
| MEMPHIS INTERNATIONAL AP | 2001-10-02 | 2005-11-15 | 35° 3' | -89° 59' | 254 | | AIRWAYS, ASOS, COOP |
| MEMPHIS INTERNATIONAL AP | 2011-06-16 | Present | 35° 3' | -89° 59' | 254 | | AIRSAMPLE, ASOS, COOP |
| MEMPHIS INTL AP | 1931-01-01 | 1931-10-24 | 35° 3' | -89° 58' | | | AIRWAYS |
| MEMPHIS INTERNATIONAL AP | 1973-04-01 | 1981-12-31 | 35° 3' | -90° 00' | 258 | .3 MI NW | COOP, WXSVC |
| MEMPHIS INTERNATIONAL AP | 1981-12-31 | 1985-10-01 | 35° 3' | -90° 00' | 258 | | COOP |
| MEMPHIS INTERNATIONAL AP | 1987-10-01 | 1999-04-30 | 35° 3' | -90° 00' | 265 | | COOP |
| MEMPHIS INTERNATIONAL AP | 1999-04-30 | 2001-10-02 | 35° 3' | -89° 59' | 265 | | AIRWAYS, ASOS, COOP |
| MEMPHIS INTERNATIONAL AP | 1969-10-01 | 1973-04-01 | 35° 3' | -89° 58' | 258 | | COOP, WXSVC |

Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP | 1995-07-01 | 1999-04-30 | HOURLY | 2400 | UNIV | RCRD | |
| TEMP | 1995-07-01 | 1999-04-30 | DAILY | 2400 | HYGR | | |
| PRECIP | 2005-11-15 | 2006-11-16 | DAILY | 2400 | PCPNX | | |
| PRECIP | 1995-07-01 | 1999-04-30 | DAILY | 2400 | SRG | | |
| PRECIP | 1999-04-30 | 2005-11-15 | DAILY | 2400 | TB | RCRD | |
| PRECIP | 2005-11-15 | 2006-11-16 | HOURLY | 2400 | AWPAG | RCRD;HTD | |
| PRECIP | 2006-11-16 | 2011-06-16 | HOURLY | 2400 | AWPAG | RCRD;HTD | |
| PRECIP | 1970-10-01 | 1985-10-01 | DAILY | 2400 | UNIV | RCRD | ROOF |
| PRECIP | 1987-10-01 | 1995-07-01 | DAILY | 2400 | SRG | | |
| TEMP | 1930-07-01 | 1970-10-01 | DAILY | 2400 | | | |
| TEMP | 1987-10-01 | 1995-07-01 | DAILY | 2400 | HYGR | | |
| TEMP | 2005-11-15 | 2006-11-16 | DAILY | 2400 | | | |
| PRECIP | 1930-07-01 | 1970-10-01 | DAILY | 2400 | UNIV | RCRD | ROOF |
| TEMP | 1970-10-01 | 1985-10-01 | DAILY | 2400 | | | |
| PRECIP | 1985-10-01 | 1987-10-01 | DAILY | 2400 | SRG | | |
| TEMP | 1985-10-01 | 1987-10-01 | DAILY | 2400 | MXMN | | |
| TEMP | 1999-04-30 | 2005-11-15 | DAILY | 2400 | HYGR | | |
| PRECIP | 2006-11-16 | 2011-06-16 | DAILY | 2400 | PCPNX | | |
| TEMP | 2006-11-16 | 2011-06-16 | DAILY | 2400 | HYGR | | |
| TEMP | 2011-06-16 | Present | DAILY | 2400 | ATEMP | | |
| PRECIP | 1985-10-01 | 1987-10-01 | HOURLY | 2400 | | | |
| PRECIP | 1970-10-01 | 1985-10-01 | HOURLY | 2400 | | | |
| PRECIP | 1987-10-01 | 1995-07-01 | HOURLY | 2400 | | | |
| PRECIP | 1999-04-30 | 2005-11-15 | HOURLY | 2400 | TB | RCRD | |
| PRECIP | 2011-06-16 | Present | DAILY | 2400 | PCPNX | | |
| PRECIP | 2011-06-16 | Present | HOURLY | 2400 | AWPAG | RCRD;HTD | |

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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