

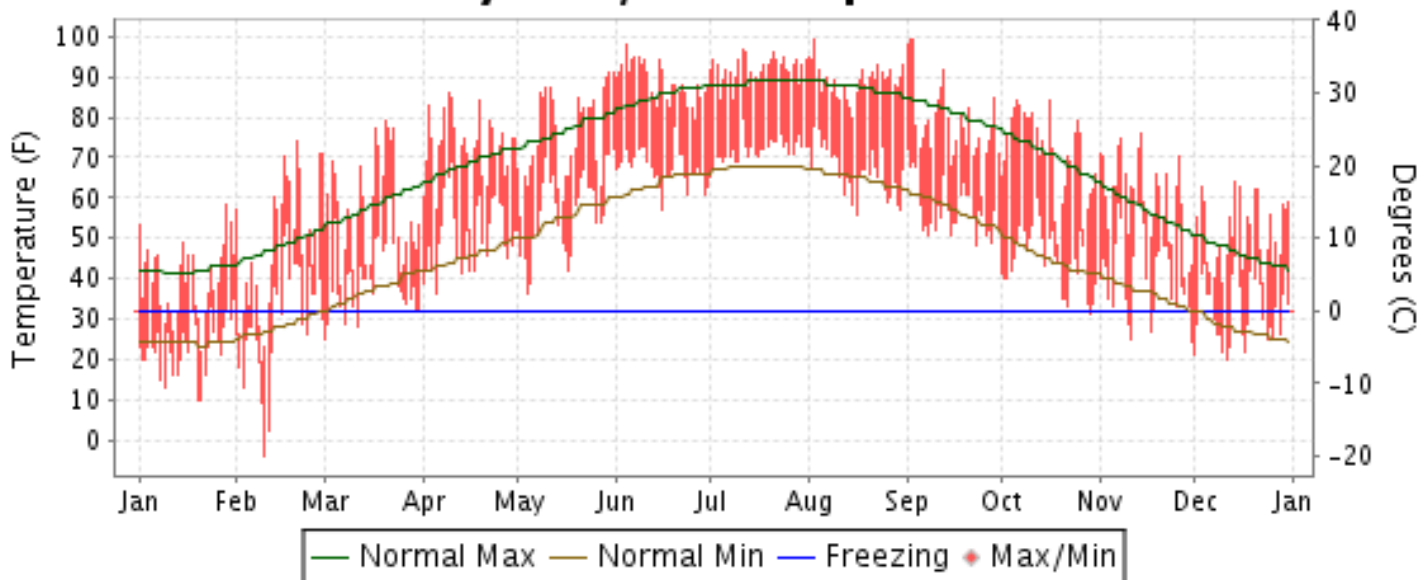


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

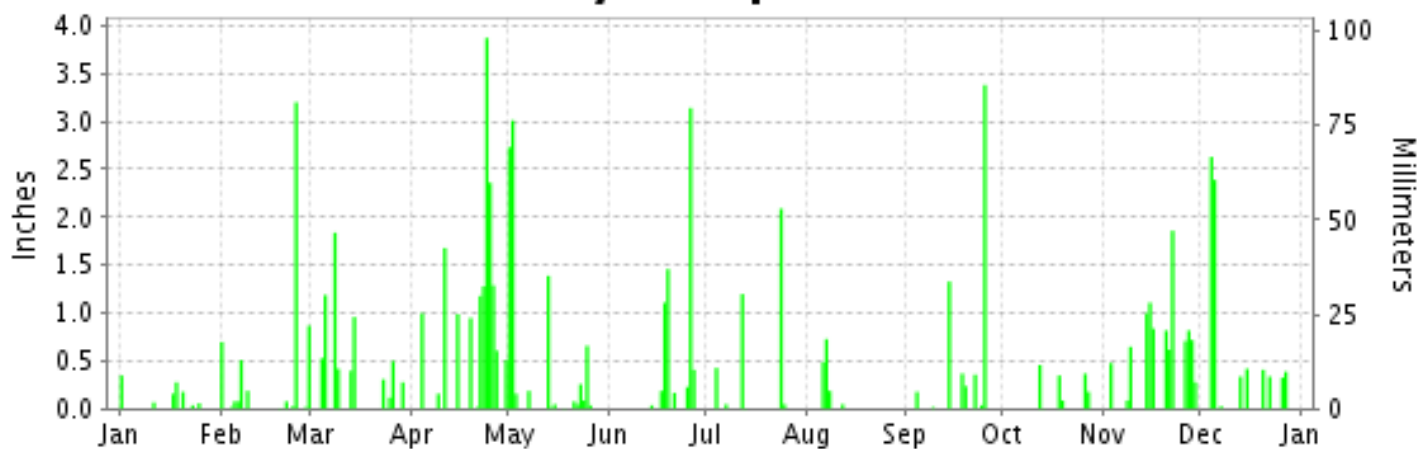
ISSN 0888-9988

PADUCAH, KENTUCKY (KPAH)

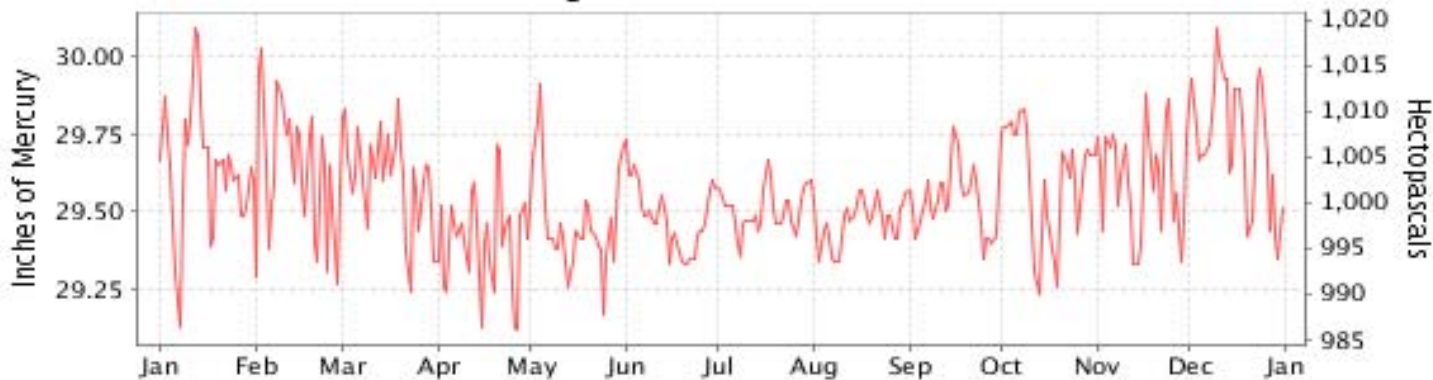
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

PADUCAH (KPAH)

LATITUDE: 37° 3'N LONGITUDE: -88° 46'W ELEVATION (FT): GRND: 413 BARO: 394 TIME ZONE: CENTRAL (UTC -6) WBAN: 03816

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 40.0 | 48.9 | 57.6 | 72.5 | 75.7 | 88.5 | 91.8 | 89.1 | 78.5 | 71.0 | 60.0 | 51.1 | 68.7 | |
| | HIGHEST DAILY MAXIMUM | 58 | 74 | 79 | 86 | 91 | 98 | 97 | 99 | 99 | 84 | 76 | 64 | 99 | |
| | DATE OF OCCURRENCE | 29 | 20 | 20 | 09 | 31+ | 04 | 11 | 03 | 03+ | 16+ | 14 | 14 | SEP 03+ | |
| | MEAN DAILY MINIMUM | 22.9 | 29.7 | 39.8 | 50.9 | 56.5 | 67.4 | 71.9 | 66.7 | 57.2 | 44.6 | 41.7 | 32.4 | 48.5 | |
| | LOWEST DAILY MINIMUM | 10 | -4 | 25 | 36 | 36 | 57 | 65 | 56 | 48 | 31 | 24 | 20 | -4 | |
| | DATE OF OCCURRENCE | 21+ | 10 | 01 | 05 | 04 | 16 | 01 | 16 | 23 | 29 | 30 | 11 | FEB 10 | |
| | AVERAGE DRY BULB | 31.5 | 39.3 | 48.7 | 61.7 | 66.1 | 78.0 | 81.9 | 77.9 | 67.9 | 57.8 | 50.9 | 41.8 | 58.6 | |
| | MEAN WET BULB | 28.5 | 35.7 | 43.4 | 55.2 | 60.2 | 70.0 | 75.0 | 70.5 | 60.4 | 50.3 | 45.7 | 38.6 | 52.8 | |
| | MEAN DEW POINT | 22.5 | 29.8 | 37.2 | 49.5 | 56.0 | 66.0 | 72.2 | 66.7 | 55.4 | 43.5 | 39.9 | 34.2 | 47.7 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 3 | 13 | 25 | 14 | 4 | 0 | 0 | 0 | 0 | 59 |
| | MAXIMUM <= 32° | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| MINIMUM <= 32° | 29 | 16 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 16 | 73 | | |
| MINIMUM <= 0° | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| H/C | HEATING DEGREE DAYS | 1034 | 711 | 504 | 140 | 116 | 0 | 0 | 0 | 36 | 232 | 422 | 716 | 3911 | |
| | COOLING DEGREE DAYS | 0 | 0 | 6 | 52 | 162 | 398 | 531 | 407 | 127 | 15 | 5 | 0 | 1703 | |
| RH | MEAN (PERCENT) | 70 | 69 | 67 | 66 | 72 | 69 | 75 | 72 | 69 | 65 | 69 | 76 | 70 | |
| | HOUR 00 LST | 76 | 72 | 70 | 73 | 80 | 79 | 86 | 83 | 77 | 77 | 73 | 80 | 77 | |
| | HOUR 06 LST | 77 | 77 | 76 | 76 | 83 | 83 | 87 | 87 | 83 | 83 | 77 | 85 | 81 | |
| | HOUR 12 LST | 62 | 65 | 60 | 59 | 61 | 57 | 60 | 56 | 51 | 44 | 61 | 68 | 59 | |
| | HOUR 18 LST | 65 | 64 | 60 | 59 | 62 | 57 | 68 | 62 | 64 | 61 | 66 | 73 | 63 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 3 | 6 | 0 | 5 | 0 | 20 | |
| | THUNDERSTORMS | 0 | 2 | 5 | 12 | 7 | 10 | 5 | 5 | 4 | 2 | 2 | 0 | 54 | |
| 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.) | 29.64 | 29.63 | 29.62 | 29.41 | 29.47 | 29.48 | 29.51 | 29.47 | 29.54 | 29.60 | 29.61 | 29.74 | 29.56 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.10 | 30.09 | 30.07 | 29.85 | 29.91 | 29.92 | 29.94 | 29.90 | 29.98 | 30.04 | 30.05 | 30.19 | 30.00 | |
| WINDS | RESULTANT SPEED (MPH) | 1.3 | 1.6 | 0.9 | 5.1 | 2.5 | 2.2 | 1.2 | 0.5 | 2.1 | 1.9 | 3.0 | 2.1 | 1.4 | |
| | RES. DIR. (TENS OF DEGS.) | 32 | 25 | 03 | 22 | 23 | 18 | 20 | 26 | 34 | 27 | 22 | 24 | 24 | |
| | MEAN SPEED (MPH) | 6.2 | 8.4 | 9.3 | 9.3 | 6.9 | 5.8 | 3.7 | 4.1 | 5.6 | 5.7 | 8.5 | 6.4 | 6.7 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 22 | 22 | 05 | 21 | 18 | 21 | 18 | 23 | 01 | 23 | 17 | 21 | 21 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 24 | 33 | 38 | 59 | 45 | 41 | 43 | 31 | 39 | 24 | 30 | 31 | 59 | |
| | DIR. (TENS OF DEGS.) | 27 | 32 | 25 | 26 | 24 | 31 | 03 | 29 | 01 | 23 | 25 | 24 | 26 | |
| | DATE OF OCCURRENCE | 11 | 24 | 23 | 23 | 25 | 27 | 12 | 07 | 14 | 16 | 09 | 30 | APR 23 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 35 | 44 | 48 | 79 | 70 | 62 | 55 | 44 | 48 | 36 | 41 | 40 | 79 | |
| DIR. (TENS OF DEGS.) | 33 | 31 | 25 | 29 | 24 | 31 | 04 | 28 | 01 | 21 | 23 | 24 | 29 | | |
| DATE OF OCCURRENCE | 08 | 24 | 23 | 23 | 25 | 27 | 12 | 07 | 14 | 16 | 14 | 30 | APR 23 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.14 | 5.79 | 6.56 | 15.91 | 8.74 | 6.75 | 3.83 | 1.46 | 5.92 | 1.46 | 10.00 | 7.29 | 74.85 | |
| | GREATEST 24-HOUR (IN.) | 0.44 | 3.20 | 2.26 | 4.55 | 3.88 | 3.14 | 2.14 | 1.22 | 3.38 | 0.55 | 2.04 | 3.87 | 4.55 | |
| | DATE OF OCCURRENCE | 17-18 | 24 | 08-09 | 23-24 | 01-02 | 26 | 24-25 | 06-07 | 25 | 26-27 | 14-15 | 04-05 | APR 23-24 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 7 | 12 | 11 | 14 | 14 | 8 | 6 | 4 | 8 | 6 | 13 | 10 | 113 | |
| PRECIPITATION 0.10 | 4 | 5 | 10 | 12 | 7 | 7 | 3 | 3 | 6 | 4 | 12 | 8 | 81 | | |
| PRECIPITATION 1.00 | 0 | 1 | 2 | 7 | 3 | 3 | 2 | 0 | 2 | 0 | 3 | 2 | 25 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 4.3 | 9.0 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 13.6 | |
| | GREATEST 24-HOUR (IN.) | 2.1 | 6.0 | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | 6.0 | |
| | DATE OF OCCURRENCE | 20 | 07 | 25 | 22+ | 13 | | | | | | 29 | 27+ | FEB 07 | |
| | MAXIMUM SNOW DEPTH (IN.) | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| | DATE OF OCCURRENCE | 21 | 10 | | | | | | | | | | | FEB 10 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | |

NORMALS, MEANS, AND EXTREMES PADUCAH (KPAH)

LATITUDE: 37° 3'N LONGITUDE: -88° 46'W ELEVATION (FT): GRND: 413 BARO: 394 TIME ZONE: CENTRAL (UTC -6) WBAN: 03816

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 41.9 | 48.0 | 58.1 | 68.4 | 76.9 | 85.2 | 88.6 | 87.4 | 81.2 | 70.8 | 57.2 | 46.3 | 67.5 |
| | MEAN DAILY MAXIMUM | 62 | 42.9 | 47.2 | 57.5 | 68.8 | 77.6 | 85.6 | 89.1 | 87.3 | 81.3 | 71.0 | 57.3 | 46.5 | 67.7 |
| | HIGHEST DAILY MAXIMUM | 28 | 70 | 77 | 84 | 90 | 94 | 103 | 102 | 105 | 100 | 92 | 83 | 74 | 105 |
| | YEAR OF OCCURRENCE | | 2008 | 1996 | 1986 | 1987 | 1998 | 1988 | 1988 | 2007 | 1999 | 2007 | 2005 | 2008 | AUG 2007 |
| | MEAN OF EXTREME MAXS. | 62 | 64.8 | 68.7 | 77.6 | 84.3 | 89.0 | 95.3 | 97.1 | 96.4 | 92.6 | 85.8 | 76.0 | 66.4 | 82.8 |
| | NORMAL DAILY MINIMUM | 30 | 23.9 | 28.2 | 37.1 | 45.6 | 55.0 | 63.8 | 67.7 | 64.9 | 57.1 | 45.2 | 36.5 | 27.5 | 46.0 |
| | MEAN DAILY MINIMUM | 62 | 25.4 | 28.5 | 37.0 | 46.9 | 56.4 | 64.6 | 68.7 | 66.0 | 58.2 | 46.9 | 37.1 | 29.0 | 47.1 |
| | LOWEST DAILY MINIMUM | 28 | -15 | -8 | 11 | 21 | 35 | 44 | 52 | 44 | 35 | 24 | 10 | -10 | -15 |
| | YEAR OF OCCURRENCE | | 1985 | 1985 | 1996 | 2007 | 2005 | 1993 | 2004 | 1986 | 1995 | 1993 | 1986 | 1989 | JAN 1985 |
| | MEAN OF EXTREME MINS. | 62 | 5.2 | 9.6 | 20.1 | 30.4 | 41.1 | 52.2 | 57.7 | 54.9 | 42.2 | 30.5 | 20.6 | 10.3 | 31.2 |
| | NORMAL DRY BULB | 30 | 32.9 | 38.1 | 47.6 | 57.0 | 65.9 | 74.5 | 78.2 | 76.2 | 69.1 | 58.0 | 46.8 | 36.9 | 56.8 |
| | MEAN DRY BULB | 62 | 34.2 | 37.9 | 47.2 | 57.9 | 67.1 | 75.2 | 78.9 | 76.6 | 69.8 | 59.0 | 47.2 | 37.7 | 57.4 |
| | MEAN WET BULB | 26 | 31.4 | 35.0 | 41.8 | 50.7 | 60.3 | 68.0 | 71.4 | 69.7 | 62.3 | 51.5 | 42.4 | 33.9 | 51.5 |
| | MEAN DEW POINT | 26 | 28.5 | 30.9 | 38.2 | 47.4 | 57.9 | 66.1 | 69.9 | 68.2 | 60.3 | 48.9 | 39.5 | 31.2 | 48.9 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | * | 1.2 | 9.6 | 17.1 | 12.7 | 4.8 | * | 0.0 | 0.0 | 45.4 |
| | MAXIMUM <= 32 | 30 | 6.9 | 3.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.8 | 15.0 |
| MINIMUM <= 32 | 30 | 23.6 | 17.4 | 10.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 9.9 | 19.4 | 85.5 | |
| MINIMUM <= 0 | 30 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.6 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 982 | 750 | 530 | 256 | 75 | 7 | 0 | 0 | 43 | 236 | 531 | 855 | 4265 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 6 | 32 | 119 | 308 | 425 | 363 | 182 | 35 | 1 | 0 | 1471 |
| RH | NORMAL (PERCENT) | 30 | 75 | 72 | 67 | 66 | 72 | 74 | 75 | 76 | 74 | 72 | 72 | 75 | 73 |
| | HOURLY 00 LST | 30 | 79 | 78 | 73 | 76 | 84 | 87 | 88 | 90 | 88 | 83 | 78 | 79 | 82 |
| | HOURLY 06 LST | 30 | 82 | 82 | 79 | 82 | 87 | 89 | 91 | 93 | 92 | 87 | 83 | 83 | 86 |
| | HOURLY 12 LST | 30 | 67 | 63 | 57 | 53 | 57 | 58 | 59 | 57 | 54 | 53 | 60 | 66 | 59 |
| | HOURLY 18 LST | 30 | 72 | 66 | 58 | 55 | 61 | 62 | 64 | 64 | 65 | 67 | 68 | 73 | 65 |
| S | PERCENT POSSIBLE SUNSHINE | 18 | 45 | 49 | 56 | 61 | 62 | 66 | 71 | 70 | 65 | 64 | 51 | 44 | 59 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 48 | 2.4 | 1.6 | 1.1 | 0.5 | 0.9 | 1.0 | 1.6 | 3.0 | 3.6 | 2.6 | 1.4 | 2.2 | 21.9 |
| | THUNDERSTORMS | 53 | 1.4 | 1.5 | 3.8 | 5.5 | 7.8 | 7.9 | 7.6 | 6.2 | 3.7 | 2.3 | 2.1 | 1.0 | 50.8 |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | 11 | 5.6 | 5.5 | 5.3 | 4.9 | 5.1 | 4.8 | 3.9 | 3.7 | 3.9 | 4.1 | 4.7 | 4.9 | 4.7 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 12 | 4.8 | 4.8 | 4.6 | 4.2 | 4.5 | 4.2 | 3.7 | 3.4 | 3.6 | 3.8 | 4.6 | 4.7 | 4.2 |
| | MEAN NO. DAYS WITH: CLEAR | 11 | 6.6 | 5.6 | 7.0 | 8.5 | 7.1 | 6.6 | 9.9 | 11.4 | 11.1 | 11.3 | 8.8 | 7.5 | 101.4 |
| | PARTLY CLOUDY | 11 | 6.3 | 7.5 | 7.7 | 7.8 | 8.5 | 11.9 | 11.2 | 11.1 | 7.6 | 6.9 | 4.3 | 6.4 | 97.2 |
| | CLOUDY | 11 | 18.1 | 15.0 | 16.3 | 13.7 | 15.4 | 11.5 | 9.9 | 8.5 | 11.3 | 12.8 | 16.9 | 17.2 | 166.6 |
| PR | MEAN STATION PRESSURE(IN) | 27 | 29.70 | 29.67 | 29.61 | 29.54 | 29.54 | 29.53 | 29.56 | 29.57 | 29.60 | 29.64 | 29.66 | 29.70 | 29.61 |
| | MEAN SEA-LEVEL PRES. (IN) | 27 | 30.15 | 30.12 | 30.05 | 29.98 | 29.97 | 29.96 | 29.99 | 30.00 | 30.03 | 30.08 | 30.11 | 30.15 | 30.05 |
| WINDS | MEAN SPEED (MPH) | 26 | 8.5 | 8.5 | 9.1 | 8.6 | 7.0 | 5.9 | 5.4 | 4.8 | 5.3 | 6.3 | 7.8 | 8.0 | 7.1 |
| | PREVAIL.DIR.(TENS OF DEGS) | 29 | 22 | 22 | 23 | 21 | 22 | 21 | 23 | 22 | 19 | 19 | 22 | 23 | 21 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 16 | 43 | 51 | 48 | 59 | 45 | 46 | 51 | 37 | 39 | 43 | 35 | 44 | 59 |
| | DIR. (TENS OF DEGS) | | 27 | 25 | 24 | 26 | 24 | 36 | 34 | 03 | 01 | 24 | 28 | 24 | 26 |
| | YEAR OF OCCURRENCE | | 2008 | 2009 | 2006 | 2011 | 2011 | 2009 | 2002 | 2010 | 2011 | 1996 | 2010 | 2008 | APR 2011 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 16 | 64 | 63 | 61 | 79 | 70 | 64 | 70 | 55 | 56 | 52 | 48 | 59 | 79 |
| | DIR. (TENS OF DEGS) | | 26 | 24 | 24 | 29 | 24 | 36 | 33 | 03 | 22 | 25 | 29 | 24 | 29 |
| YEAR OF OCCURRENCE | | 2008 | 2009 | 2006 | 2011 | 2011 | 2009 | 2002 | 1997 | 2008 | 1996 | 2010 | 2008 | APR 2011 | |
| PRECIPITATION | NORMAL (IN) | 30 | 3.47 | 3.93 | 4.27 | 4.95 | 4.75 | 4.51 | 4.45 | 2.99 | 3.56 | 3.45 | 4.53 | 4.38 | 49.24 |
| | MAXIMUM MONTHLY (IN) | 28 | 6.43 | 13.33 | 9.60 | 15.91 | 8.78 | 10.98 | 8.67 | 6.07 | 11.65 | 10.55 | 10.00 | 9.99 | 15.91 |
| | YEAR OF OCCURRENCE | | 2007 | 1989 | 2008 | 2011 | 2002 | 1998 | 2009 | 2005 | 2006 | 2009 | 2011 | 1984 | APR 2011 |
| | MINIMUM MONTHLY (IN) | 28 | 0.99 | 1.09 | 1.78 | 1.55 | 0.71 | 0.41 | 0.28 | 0.11 | 0.02 | .11 | 0.56 | 1.34 | 0.02 |
| | YEAR OF OCCURRENCE | | 1987 | 1996 | 1995 | 1986 | 1994 | 1988 | 1999 | 1996 | 2004 | 2005 | 2009 | 1985 | SEP 2004 |
| | MAXIMUM IN 24 HOURS (IN) | 28 | 5.82 | 6.34 | 4.24 | 4.55 | 3.88 | 4.11 | 4.87 | 3.64 | 7.53 | 5.25 | 4.90 | 4.12 | 7.53 |
| | YEAR OF OCCURRENCE | | 2000 | 1989 | 2008 | 2011 | 2011 | 1989 | 2000 | 2005 | 1985 | 1998 | 1996 | 2001 | SEP 1985 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 9.4 | 8.6 | 11.0 | 11.0 | 10.9 | 9.0 | 8.3 | 7.0 | 7.4 | 7.7 | 9.9 | 10.1 | 110.3 |
| | PRECIPITATION >= 1.00 | 30 | 0.8 | 1.3 | 1.0 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 1.1 | 0.9 | 1.5 | 1.2 | 14.0 |
| SNOWFALL | NORMAL (IN) | 30 | 3.9 | 3.3 | 1.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 1.5 | 10.2 |
| | MAXIMUM MONTHLY (IN) | 28 | 16.8 | 15.3 | 7.4 | T | T | T | T | T | 0.0 | T | 2.2 | 0.4 | 14.2 |
| | YEAR OF OCCURRENCE | | 1985 | 1993 | 1994 | 2011 | 2011 | 1993 | 1992 | | 2001 | 1993 | 1997 | 2004 | JAN 1985 |
| | MAXIMUM IN 24 HOURS (IN) | 28 | 7.4 | 7.9 | 7.3 | T | T | T | T | 0.0 | T | 2.1 | 0.4 | 14.0 | 14.0 |
| | YEAR OF OCCURRENCE | | 1994 | 1993 | 1994 | 2011 | 2011 | 1993 | 1992 | 1984 | 2001 | 1993 | 1997 | 2004 | DEC 2004 |
| | MAXIMUM SNOW DEPTH (IN) | 53 | 20 | 8 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 13 | 20 |
| | YEAR OF OCCURRENCE | | 1978 | 1979 | 1967 | 1971 | | | | | | 1993 | 1969 | 2004 | JAN 1978 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 1.4 | 1.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.6 | |

PRECIPITATION (inches) 2011 PADUCAH (KPAH)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|------|--------|
| 1984 | 1.21 | 4.74 | 5.83 | 8.45 | 6.50 | 1.58 | 5.44 | 3.96 | 6.80 | 5.88 | 4.75 | 9.99 | 65.13 |
| 1985 | 1.82 | 3.70 | 3.67 | 6.85 | 4.13 | 4.85 | 0.85 | 5.89 | 9.23 | 7.26 | 4.29 | 1.34 | 53.88 |
| 1986 | 1.44 | 3.73 | 3.16 | 1.55 | 8.51 | 1.50 | 7.07 | 4.33 | 3.69 | 4.45 | 3.59 | 3.11 | 46.13 |
| 1987 | 0.99 | 3.93 | 1.93 | 2.30 | 1.43 | 4.03 | 2.58 | 1.31 | 2.80 | 1.58 | 4.29 | 9.19 | 36.36 |
| 1988 | 3.50 | 5.15 | 4.60 | 2.13 | 3.14 | 0.41 | 3.08 | 1.05 | 3.49 | 3.81 | 9.56 | 3.05 | 42.97 |
| 1989 | 5.31 | 13.33 | 5.36 | 2.55 | 2.33 | 9.20 | 7.07 | 1.80 | 2.64 | 3.48 | 2.59 | 1.78 | 57.44 |
| 1990 | 5.38 | 9.05 | 3.69 | 4.76 | 7.49 | 2.14 | 4.03 | 1.34 | 2.38 | 4.45 | 2.33 | 9.59 | 56.63 |
| 1991 | 3.77 | 4.07 | 3.55 | 3.81 | 4.29 | 1.47 | 3.23 | 2.42 | 3.25 | 3.57 | 2.17 | 3.84 | 39.44 |
| 1992 | 2.13 | 2.68 | 3.38 | 2.07 | 2.08 | 3.57 | 6.90 | 3.47 | 5.81 | 3.51 | 3.45 | 1.79 | 40.84 |
| 1993 | 3.79 | 3.99 | 2.99 | 5.14 | 2.59 | 5.51 | 0.56 | 2.89 | 6.00 | 3.82 | 6.45 | 3.57 | 47.30 |
| 1994 | 4.06 | 2.70 | 3.55 | 7.39 | 0.71 | 2.34 | 2.40 | 1.73 | 3.43 | 2.93 | 3.55 | 3.72 | 38.51 |
| 1995 | 4.20 | 3.26 | 1.78 | 4.34 | 5.68 | 4.19 | 3.28 | 3.52 | 1.47 | 2.30 | 2.72 | 1.89 | 38.63 |
| 1996 | 3.38 | 1.09 | 3.25 | 4.62 | 5.22 | 7.81 | 6.11 | .11 | 7.26 | 4.13 | 8.89 | 4.90 | 56.77 |
| 1997 | 2.62 | 5.32 | 7.42 | 5.03 | 7.95 | 6.59 | 2.78 | 2.86 | 2.41 | 2.92 | 2.33 | 2.46 | 50.69 |
| 1998 | 3.06 | 4.75 | 3.52 | 5.41 | 3.23 | 10.98 | 8.04 | 3.15 | 0.12 | 7.37 | 2.63 | 3.71 | 55.97 |
| 1999 | 6.43 | 1.94 | 3.09 | 6.60 | 3.71 | 8.97 | 0.28 | 0.54 | 0.66 | 3.93 | 0.90 | 4.04 | 41.09 |
| 2000 | 6.36 | 5.11 | 4.25 | 4.63 | 5.16 | 3.39 | 5.18 | 1.85 | 3.68 | 1.24 | 4.76 | 2.84 | 48.45 |
| 2001 | 1.04 | 5.44 | 2.50 | 1.85 | 4.42 | 2.06 | 7.40 | 4.21 | 3.90 | 6.36 | 7.74 | 8.68 | 55.60 |
| 2002 | 5.84 | 1.62 | 7.64 | 6.32 | 8.78 | 0.83 | 2.16 | 1.72 | 5.84 | 3.90 | 2.60 | 7.07 | 54.32 |
| 2003 | 1.15 | 6.60 | 1.95 | 5.96 | 6.04 | 5.17 | 2.78 | 3.61 | 5.05 | 2.14 | 5.17 | 2.20 | 47.82 |
| 2004 | 3.06 | 1.62 | 3.55 | 3.94 | 5.73 | 4.17 | 1.75 | 1.57 | 0.02 | 4.86 | 7.04 | 3.32 | 40.63 |
| 2005 | 4.60 | 2.55 | 3.85 | 4.56 | 0.82 | 3.64 | 4.24 | 6.07 | 3.49 | 0.11 | 2.06 | 1.46 | 37.45 |
| 2006 | 6.28 | 2.72 | 5.46 | 3.46 | 6.89 | 2.98 | 8.02 | 4.29 | 11.65 | 5.24 | 5.65 | 4.47 | 67.11 |
| 2007 | 6.43 | 2.81 | 2.88 | 2.89 | 2.53 | 5.09 | 2.24 | 1.17 | 1.99 | 5.82 | 2.11 | 7.37 | 43.33 |
| 2008 | 3.16 | 5.13 | 9.60 | 6.77 | 5.63 | 2.89 | 6.94 | 0.83 | 1.03 | 3.29 | 2.66 | 5.76 | 53.69 |
| 2009 | 4.06 | 2.57 | 2.74 | 4.68 | 6.13 | 2.77 | 8.67 | 3.73 | 4.72 | 10.55 | 0.56 | 4.42 | 55.60 |
| 2010 | 3.30 | 1.40 | 4.27 | 2.85 | 5.99 | 2.74 | 1.36 | 3.19 | 3.64 | 0.77 | 4.94 | 2.22 | 36.67 |
| 2011 | 1.14 | 5.79 | 6.56 | 15.91 | 8.74 | 6.75 | 3.83 | 1.46 | 5.92 | 1.46 | 10.00 | 7.29 | 74.85 |
| POR= 62 YRS | 3.81 | 3.76 | 4.50 | 4.84 | 4.88 | 4.30 | 4.10 | 3.03 | 3.63 | 3.29 | 4.23 | 4.39 | 48.76 |

WBAN : 03816

AVERAGE TEMPERATURE (°F) 2011 PADUCAH (KPAH)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1984 | 29.2 | 42.1 | 43.6 | 56.7 | 64.6 | 78.6 | 76.7 | 76.9 | 68.5 | 63.1 | 45.0 | 45.2 | 57.5 |
| 1985 | 23.9 | 32.0 | 51.3 | 60.9 | 66.8 | 73.3 | 78.4 | 74.8 | 68.8 | 62.4 | 52.5 | 31.3 | 56.4 |
| 1986 | 35.5 | 40.3 | 49.7 | 60.6 | 68.7 | 77.4 | 81.7 | 73.8 | 73.8 | 60.1 | 45.1 | 36.9 | 58.6 |
| 1987 | 33.5 | 40.9 | 50.2 | 57.4 | 73.0 | 78.2 | 79.5 | 79.8 | 71.6 | 53.4 | 50.9 | 41.1 | 59.1 |
| 1988 | 32.2 | 35.1 | 47.5 | 57.4 | 67.3 | 75.8 | 80.4 | 80.9 | 70.8 | 52.8 | 48.4 | 38.2 | 57.2 |
| 1989 | 41.4 | 32.8 | 48.1 | 57.3 | 64.6 | 73.6 | 78.3 | 77.7 | 69.3 | 59.9 | 48.6 | 27.1 | 56.6 |
| 1990 | 43.8 | 45.7 | 51.5 | 55.9 | 63.9 | 76.4 | 78.8 | 75.9 | 72.1 | 56.8 | 53.5 | 39.9 | 59.5 |
| 1991 | 34.2 | 41.9 | 51.4 | 62.3 | 72.5 | 78.0 | 80.9 | 78.4 | 71.1 | 61.1 | 45.4 | 41.9 | 59.9 |
| 1992 | 38.1 | 45.6 | 49.7 | 59.2 | 66.0 | 73.6 | 79.7 | 74.0 | 69.0 | 58.5 | 48.2 | 38.7 | 58.4 |
| 1993 | 38.3 | 36.9 | 46.6 | 55.9 | 67.3 | 76.5 | 84.3 | 78.7 | 67.3 | 56.1 | 45.6 | 38.5 | 57.7 |
| 1994 | 29.1 | 39.6 | 47.6 | 60.4 | 64.1 | 78.2 | 78.1 | 75.0 | 67.5 | 59.8 | 52.4 | 42.5 | 57.9 |
| 1995 | 37.0 | 37.5 | 51.4 | 59.7 | 67.5 | 75.3 | 79.5 | 80.8 | 66.9 | 58.9 | 42.0 | 36.6 | 57.8 |
| 1996 | 32.7 | 37.9 | 41.0 | 53.9 | 69.7 | 75.3 | 75.9 | 76.6 | 67.8 | 58.3 | 43.0 | 40.2 | 56.0 |
| 1997 | 31.9 | 42.5 | 50.1 | 52.5 | 62.1 | 73.1 | 78.4 | 75.2 | 68.8 | 57.8 | 42.5 | 37.0 | 56.0 |
| 1998 | 40.5 | 44.1 | 47.4 | 56.5 | 71.1 | 76.4 | 78.7 | 77.0 | 74.9 | 61.2 | 50.6 | 40.6 | 59.9 |
| 1999 | 37.7 | 43.7 | 43.7 | 60.1 | 66.0 | 75.6 | 81.6 | 76.4 | 69.4 | 59.1 | 53.2 | 40.4 | 58.9 |
| 2000 | 36.3 | 44.6 | 50.3 | 55.2 | 69.2 | 74.8 | 77.2 | 78.6 | 69.4 | 62.2 | 44.5 | 25.9 | 57.4 |
| 2001 | 32.3 | 41.8 | 42.8 | 63.2 | 68.4 | 73.4 | 79.2 | 78.0 | 67.9 | 57.9 | 51.7 | 41.8 | 58.2 |
| 2002 | 39.6 | 39.6 | 45.3 | 60.3 | 65.4 | 77.7 | 81.8 | 79.4 | 73.5 | 57.6 | 44.6 | 38.2 | 58.6 |
| 2003 | 29.0 | 34.2 | 48.2 | 59.6 | 66.4 | 70.7 | 78.3 | 78.1 | 67.0 | 59.0 | 51.5 | 39.4 | 56.8 |
| 2004 | 34.3 | 37.8 | 52.1 | 58.3 | 71.2 | 74.0 | 76.1 | 72.6 | 70.5 | 61.6 | 51.1 | 35.8 | 58.0 |
| 2005 | 40.2 | 43.4 | 45.9 | 58.2 | 65.1 | 76.0 | 78.3 | 80.1 | 72.7 | 59.1 | 49.9 | 34.4 | 58.6 |
| 2006 | 44.1 | 37.0 | 48.8 | 62.7 | 66.5 | 75.5 | 78.5 | 78.5 | 66.4 | 56.0 | 48.1 | 42.8 | 58.7 |
| 2007 | 37.4 | 34.0 | 56.7 | 55.6 | 70.5 | 76.0 | 76.6 | 83.6 | 73.7 | 62.7 | 47.0 | 40.1 | 59.5 |
| 2008 | 34.3 | 37.8 | 48.2 | 55.8 | 65.3 | 77.0 | 78.9 | 76.0 | 71.6 | 59.1 | 44.6 | 37.3 | 57.2 |
| 2009 | 32.4 | 41.4 | 51.5 | 58.4 | 67.4 | 78.3 | 74.9 | 75.0 | 71.2 | 55.1 | 50.8 | 35.7 | 57.7 |
| 2010 | 29.9 | 32.6 | 48.3 | 62.1 | 69.6 | 79.6 | 81.7 | 81.8 | 72.3 | 60.0 | 48.1 | 32.1 | 58.2 |
| 2011 | 31.5 | 39.3 | 48.7 | 61.7 | 66.1 | 78.0 | 81.9 | 77.9 | 67.9 | 57.8 | 50.9 | 41.8 | 58.6 |
| POR= 62 YRS | 34.2 | 37.9 | 47.2 | 57.9 | 67.1 | 75.2 | 78.9 | 76.6 | 69.8 | 59.0 | 47.2 | 37.7 | 57.4 |

HEATING DEGREE DAYS (base 65°F) 2011 PADUCAH (KPAH)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1983-84 | | | | | | | 1103 | 659 | 656 | 269 | 82 | 0 | |
| 1984-85 | 0 | 0 | 69 | 108 | 591 | 611 | 1269 | 918 | 431 | 170 | 48 | 10 | 4225 |
| 1985-86 | 0 | 0 | 67 | 151 | 378 | 1037 | 909 | 688 | 475 | 173 | 47 | 0 | 3925 |
| 1986-87 | 0 | 8 | 3 | 191 | 589 | 863 | 968 | 671 | 451 | 249 | 7 | 0 | 4000 |
| 1987-88 | 0 | 0 | 12 | 356 | 419 | 735 | 1011 | 861 | 534 | 239 | 38 | 0 | 4205 |
| 1988-89 | 0 | 0 | 16 | 383 | 491 | 825 | 726 | 897 | 525 | 292 | 115 | 0 | 4270 |
| 1989-90 | 0 | 0 | 42 | 193 | 488 | 1165 | 651 | 534 | 438 | 313 | 89 | 10 | 3923 |
| 1990-91 | 0 | 1 | 28 | 273 | 352 | 771 | 949 | 642 | 429 | 119 | 18 | 0 | 3582 |
| 1991-92 | 0 | 0 | 72 | 190 | 585 | 709 | 827 | 556 | 470 | 228 | 86 | 5 | 3728 |
| 1992-93 | 0 | 0 | 39 | 203 | 502 | 808 | 818 | 781 | 565 | 279 | 40 | 8 | 4043 |
| 1993-94 | 0 | 0 | 54 | 293 | 581 | 812 | 1110 | 705 | 531 | 185 | 93 | 0 | 4364 |
| 1994-95 | 0 | 0 | 38 | 186 | 372 | 691 | 864 | 761 | 415 | 207 | 64 | 0 | 3598 |
| 1995-96 | 0 | 0 | 61 | 197 | 686 | 874 | 994 | 782 | 739 | 337 | 46 | 3 | 4719 |
| 1996-97 | 0 | 0 | 40 | 216 | 656 | 760 | 1019 | 625 | 455 | 372 | 129 | 5 | 4277 |
| 1997-98 | 0 | 0 | 18 | 292 | 670 | 860 | 750 | 577 | 576 | 255 | 26 | 9 | 4033 |
| 1998-99 | 0 | 0 | 2 | 158 | 428 | 754 | 839 | 588 | 654 | 168 | 32 | 0 | 3623 |
| 1999-00 | 0 | 0 | 45 | 213 | 356 | 755 | 884 | 590 | 450 | 293 | 29 | 3 | 3618 |
| 2000-01 | 0 | 0 | 55 | 153 | 611 | 1205 | 1006 | 643 | 682 | 147 | 30 | 8 | 4540 |
| 2001-02 | 0 | 0 | 60 | 236 | 396 | 713 | 781 | 705 | 603 | 203 | 100 | 0 | 3797 |
| 2002-03 | 0 | 0 | 9 | 267 | 606 | 825 | 1109 | 854 | 514 | 187 | 36 | 15 | 4422 |
| 2003-04 | 0 | 0 | 43 | 200 | 408 | 784 | 948 | 782 | 409 | 231 | 41 | 0 | 3846 |
| 2004-05 | 0 | 12 | 12 | 140 | 412 | 898 | 760 | 598 | 587 | 210 | 97 | 0 | 3726 |
| 2005-06 | 0 | 0 | 21 | 233 | 457 | 941 | 644 | 779 | 511 | 134 | 62 | 0 | 3782 |
| 2006-07 | 0 | 0 | 50 | 308 | 503 | 681 | 848 | 862 | 300 | 312 | 27 | 0 | 3891 |
| 2007-08 | 0 | 0 | 8 | 165 | 533 | 768 | 940 | 784 | 516 | 283 | 66 | 0 | 4063 |
| 2008-09 | 0 | 0 | 6 | 225 | 604 | 850 | 1005 | 655 | 419 | 251 | 47 | 3 | 4065 |
| 2009-10 | 0 | 0 | 15 | 303 | 418 | 903 | 1083 | 899 | 511 | 133 | 42 | 0 | 4307 |
| 2010-11 | 0 | 0 | 14 | 182 | 500 | 1013 | 1034 | 711 | 504 | 140 | 116 | 0 | 4214 |
| 2011- | 0 | 0 | 36 | 232 | 422 | 716 | | | | | | | |

WBAN : 03816

COOLING DEGREE DAYS (base 65°F) 2011 PADUCAH (KPAH)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1984 | 0 | 0 | 0 | 29 | 76 | 415 | 369 | 375 | 182 | 53 | 0 | 2 | 1501 |
| 1985 | 0 | 1 | 11 | 52 | 112 | 263 | 419 | 309 | 186 | 77 | 9 | 0 | 1439 |
| 1986 | 0 | 0 | 6 | 50 | 169 | 379 | 524 | 286 | 273 | 47 | 0 | 0 | 1734 |
| 1987 | 0 | 0 | 0 | 29 | 258 | 402 | 458 | 465 | 213 | 3 | 3 | 0 | 1831 |
| 1988 | 0 | 0 | 0 | 19 | 117 | 333 | 482 | 499 | 197 | 11 | 0 | 0 | 1658 |
| 1989 | 0 | 0 | 11 | 68 | 108 | 266 | 419 | 398 | 177 | 42 | 3 | 0 | 1492 |
| 1990 | 0 | 0 | 26 | 46 | 63 | 356 | 435 | 344 | 247 | 28 | 12 | 0 | 1557 |
| 1991 | 0 | 0 | 13 | 40 | 252 | 396 | 499 | 424 | 262 | 75 | 4 | 0 | 1965 |
| 1992 | 0 | 0 | 0 | 58 | 123 | 270 | 463 | 285 | 166 | 12 | 5 | 0 | 1382 |
| 1993 | 0 | 0 | 2 | 11 | 120 | 360 | 604 | 430 | 131 | 23 | 5 | 0 | 1686 |
| 1994 | 0 | 0 | 0 | 52 | 70 | 406 | 413 | 317 | 115 | 31 | 5 | 0 | 1409 |
| 1995 | 1 | 0 | 3 | 54 | 149 | 315 | 457 | 495 | 125 | 16 | 0 | 0 | 1615 |
| 1996 | 0 | 4 | 0 | 12 | 197 | 316 | 345 | 367 | 132 | 16 | 1 | 0 | 1390 |
| 1997 | 0 | 0 | 0 | 3 | 49 | 253 | 425 | 321 | 142 | 78 | 0 | 0 | 1271 |
| 1998 | 0 | 0 | 36 | 9 | 223 | 357 | 429 | 384 | 304 | 50 | 2 | 4 | 1798 |
| 1999 | 0 | 0 | 0 | 28 | 69 | 324 | 520 | 361 | 185 | 37 | 7 | 0 | 1531 |
| 2000 | 0 | 4 | 3 | 4 | 164 | 305 | 383 | 428 | 196 | 75 | 4 | 0 | 1566 |
| 2001 | 0 | 0 | 0 | 101 | 141 | 268 | 446 | 410 | 152 | 20 | 2 | 0 | 1540 |
| 2002 | 1 | 0 | 0 | 70 | 120 | 387 | 526 | 453 | 274 | 46 | 0 | 0 | 1877 |
| 2003 | 0 | 0 | 0 | 32 | 87 | 194 | 419 | 414 | 112 | 21 | 10 | 0 | 1289 |
| 2004 | 2 | 0 | 11 | 36 | 239 | 275 | 350 | 252 | 184 | 42 | 3 | 0 | 1394 |
| 2005 | 1 | 0 | 1 | 13 | 106 | 335 | 419 | 474 | 260 | 59 | 17 | 0 | 1685 |
| 2006 | 0 | 0 | 19 | 74 | 117 | 319 | 427 | 425 | 99 | 32 | 0 | 0 | 1512 |
| 2007 | 0 | 0 | 48 | 35 | 205 | 338 | 369 | 584 | 274 | 105 | 0 | 0 | 1958 |
| 2008 | 0 | 2 | 0 | 15 | 83 | 366 | 438 | 347 | 210 | 47 | 0 | 0 | 1508 |
| 2009 | 0 | 0 | 7 | 61 | 131 | 406 | 314 | 315 | 209 | 1 | 0 | 0 | 1444 |
| 2010 | 0 | 0 | 1 | 54 | 191 | 444 | 524 | 529 | 237 | 31 | 2 | 0 | 2013 |
| 2011 | 0 | 0 | 6 | 52 | 162 | 398 | 531 | 407 | 127 | 15 | 5 | 0 | 1703 |

SNOWFALL (inches) 2011 PADUCAH (KPAH)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------|
| 1983-84 | | | | | | | 4.3 | 11.2 | T | 0.0 | 0.0 | 0.0 | |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 16.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 28.7 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.6 | 8.3 | T | 0.0 | 0.0 | 0.0 | 10.9 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.4 | 1.7 | 1.3 | 0.0 | 0.0 | 0.0 | 5.4 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 3.0 | 1.4 | 2.8 | T | 0.0 | 0.0 | 10.6 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | T | 3.6 | T | 0.0 | 0.0 | 0.0 | 5.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | T | 1.7 | 0.1 | 1.0 | 0.7 | T | 0.0 | T | 3.5 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.2 | T | T | 0.0 | 0.0 | 0.0 | 3.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | T | T | T | 0.0 | 0.0 | T |
| 1992-93 | T | 0.0 | 0.0 | 0.0 | T | 3.0 | 0.3 | 15.3 | 0.7 | T | 0.0 | T | 19.3 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 2.2 | T | 0.4 | 7.7 | 0.7 | 7.4 | 0.0 | 0.0 | 0.0 | 18.4 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.9 | 0.2 | 0.0 | 0.0 | 0.0 | 2.3 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | 2.3 | 5.3 | 3.9 | 1.3 | 0.0 | | | |
| 1996-97 | | | | | .2 | 1.9 | 4.1 | 5.3 | 0.0 | T | | 0.0 | |
| 1997-98 | 0.0 | | 0.0 | | 0.4 | 1.8 | T | 0.1 | 0.7 | T | 0.0 | 0.0 | |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.6 | 0.6 | T | 0.0 | 0.0 | 0.0 | 2.9 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 2.4 | 0.7 | 0.4 | T | 0.0 | 0.0 | 3.5 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 1.3 | 0.4 | 0.0 | T | 0.0 | 0.0 | 8.1 |
| 2001-02 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | 7.8 | T | T | 0.0 | 0.0 | 0.0 | 7.8 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 5.9 | 6.8 | 11.0 | 0.0 | T | 0.0 | 0.0 | 23.9 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 0.2 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.2 | T | T | T | T | 0.0 | 0.0 | 14.2 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.8 | 7.3 | T | T | T | 0.0 | 9.0 |
| 2006-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.5 | T | T | 0.0 | 0.0 | 2.5 |
| 2007-08 | 0.0 | 0.0 | 0.0 | T | T | 0.2 | 1.7 | 1.6 | 1.9 | T | 0.0 | 0.0 | 5.4 |
| 2008-09 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.8 | 2.4 | 0.5 | T | 0.0 | 0.0 | 0.0 | 3.7 |
| 2009-10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 6.3 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.3 |
| 2010-11 | 0.0 | 0.0 | 0.0 | 0.0 | T | 5.6 | 4.3 | 9.0 | T | T | T | 0.0 | 18.9 |
| 2011- | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T | | | | | | | |
| POR= 60 YRS | T | 0.0 | T | T | 0.2 | 1.6 | 3.3 | 3.0 | 1.5 | 0.1 | T | T | 9.7 |

WBAN : 03816

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. 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.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm 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 the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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2011 PADUCAH KENTUCKY (KPAH)

Paducah is in western Kentucky, in Low Hills and Bottom Area of the Jackson Purchase Region. It lies on level to gently rolling open terrain on the banks of the Ohio just west of the point where the Tennessee River, the largest tributary of the Ohio, flows into the Ohio River. The city is about 20 miles west of the large recreational area which includes Kentucky Lake, Land Between the Lake, and Barkley Lake. Paducah is the county seat of McCracken county and lies along the northeast border of the county. This summary is representative of Paducah and the general area.

The climate is temperate with moderately cold winters and warm humid summers. Temperature, rainfall and humidity remain within limits agreeable to man and suitable for varied plant and animal life. All seasons are marked by weather changes that come from passing weather fronts and associated centers of high and low pressure. This activity is least in the spring and summer months, somewhat greater in the fall, and greatest in the winter and early spring. Temperatures depart least from the average during the period of minimum activity and vary from the average most during the period of greatest activity.

Precipitation is fairly well distributed throughout the year, with no wet season and dry season. The month of October usually has the least rainfall. Annual free-water evaporation, i.e. from shallow lakes and from ponds, average about 37 inches, about 9 inches less than the average annual precipitation. About 75% of this evaporation occurs during the 6-month period May-October.

Periods of dry and wet weather (below or above average) do occur. Of the mid-seasonal months, January in 1 out of 10 years has less than 29% of average and in 1 out of 5 years has less than 46% of average. April, July and October in 1 out of 10 years has less than 31 to 49% of average, and in 1 out of 5 years less than 49 to 54% of average. In 1 out of 10 years January has an amount greater than 2.3 times the average amount, the other mid-seasonal months having amounts greater than 1.6 to 2.1 times the average amounts.

Snowfall is quite variable from year to year. Some winters have little. The greatest annual total for the period of record was 37.7 inches in 1960. The least recorded was 0 in 1953 and 1957. Thunderstorms occur on average of 52 days a year. They are most frequent in the spring and summer months but can occur in any month.

Winds flow most frequently from the south to southwest. Wind speeds average from 6 to 8 mph May through October and 9 to 11 mph November through April.

Relative humidity and sunshine records are not available for this location, but estimates for these elements are possible from data. Relative humidity rises and falls in a manner opposite to that of temperature during the typical day, with the highest humidity usually occurring with the minimum temperature, and the lowest humidity usually with the highest temperature of the day.

The growing season (defined as the number of days between the last spring and the first fall temperature of 32 degrees) average about 209 days. The season is 230 days or more in 10% of the years, and 220 days in 25% of the years.

This area has a favorable and moderate climate, with many of the days of the year being nearly ideal in temperature. The fall season has many mild, sunny days and is considered one of the better times of the year for outdoor activities.

Station History

PADUCAH, KY

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|-----------------------------|------------|------------|----------|-----------|----------------|------------|------------------------------|
| PADUCAH BARKLEY FIELD | 1949-09-01 | 1964-01-01 | 37° 4' | -88° 46' | 397 | | AIRWAYS, COOP |
| PADUCAH BARKLEY FIELD | 1981-12-31 | 1984-10-01 | 37° 4' | -88° 46' | 394 | | COOP |
| PADUCAH BARKLEY FIELD | 1995-02-28 | 1995-04-01 | 37° 4' | -88° 46' | 392 | | COOP, WXSVC |
| PADUCAH BARKLEY REGIONAL AP | 2001-03-25 | 2004-06-29 | 37° 3' | -88° 46' | 413 | .8 MI S | ASOS, COOP, WXSVC |
| PADUCAH BARKLEY FIELD | 1994-03-01 | 1995-02-28 | 37° 4' | -88° 46' | 402 | | COOP, WXSVC |
| PADUCAH BARKLEY REGIONAL AP | 1995-08-01 | 1996-06-01 | 37° 3' | -88° 46' | 407 | | ASOS, COOP, WXSVC |
| PADUCAH BARKLEY FIELD | 1993-08-01 | 1994-03-01 | 37° 4' | -88° 46' | 402 | | COOP |
| PADUCAH BARKLEY FIELD | 1995-04-01 | 1995-08-01 | 37° 4' | -88° 46' | 392 | .5 MI NW | COOP, WXSVC |
| PADUCAH BARKLEY REGIONAL AP | 2004-06-29 | 2006-11-01 | 37° 3' | -88° 46' | 413 | | ASOS, COOP, WXSVC |
| PADUCAH BARKLEY FIELD | 1964-01-01 | 1981-12-31 | 37° 4' | -88° 46' | 394 | | AIRWAYS, COOP |
| PADUCAH BARKLEY REGIONAL AP | 1996-06-01 | 2001-03-25 | 37° 3' | -88° 46' | 407 | | ASOS, COOP, WXSVC |
| PADUCAH BARKLEY REGIONAL AP | 2007-07-06 | Present | 37° 3' | -88° 46' | 413 | | AIRSAMPLE, ASOS, COOP, WXSVC |
| PADUCAH BARKLEY FIELD | 1946-06-01 | 1949-09-01 | 37° 4' | -88° 46' | | | AIRWAYS |
| PADUCAH BARKLEY FIELD | 1984-10-01 | 1993-08-01 | 37° 4' | -88° 46' | 402 | .3 MI SW | COOP |
| PADUCAH BARKLEY REGIONAL AP | 2006-11-01 | 2007-07-06 | 37° 3' | -88° 46' | 413 | | AIRSAMPLE, ASOS, COOP, WXSVC |

Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|------------|------------|------------|------------|---------------------|-------------|---------------------------|--------------------|
| PRECIP | 1984-10-01 | 1993-08-01 | HOURLY | 2400 | | | |
| PRECIP | 1995-07-01 | 1995-08-01 | DAILY | 2400 | UNIV | RCRD | |
| PRECIP | 1995-07-01 | 1995-08-01 | HOURLY | 2400 | UNIV | RCRD | |
| MAX/MINTEM | 1993-08-01 | 1995-07-01 | ONCE DAILY | 1800 | PALMER | | |
| TEMP | 1993-08-01 | 1995-07-01 | DAILY | 2400 | HYGR | | |
| TEMP | 1995-07-01 | 1995-08-01 | DAILY | 2400 | HYGR | | |
| MAX/MINTEM | 1995-08-01 | 2001-03-25 | ONCE DAILY | 1800 | PALMER | | |
| PRECIP | 1995-08-01 | 2004-06-29 | HOURLY | | TB | RCRD | |
| MAX/MINTEM | 1993-08-01 | 1995-07-01 | ONCE DAILY | 1800 | PALMER | | |
| TEMP | 1995-08-01 | 2004-06-29 | DAILY | 2400 | HYGR | | |
| MAX/MINTEM | 1995-07-01 | 1995-08-01 | ONCE DAILY | 1800 | PALMER | | |
| PRECIP | 2004-06-29 | Present | HOURLY | 2400 | AWPAG | RCRD;HTD | |
| TEMP | 1984-10-01 | 1993-08-01 | DAILY | 2400 | HYGR | | |
| PRECIP | 1984-10-01 | 1993-08-01 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 1946-06-01 | 1984-10-01 | DAILY | 2400 | HYGR | | |
| PRECIP | 1946-06-01 | 1984-10-01 | DAILY | 2400 | | | |
| PRECIP | 1993-08-01 | 1995-07-01 | HOURLY | 2400 | | | |
| PRECIP | 1993-08-01 | 1995-07-01 | DAILY | 2400 | UNIV | RCRD | |
| MAX/MINTEM | 1995-07-01 | 1995-08-01 | ONCE DAILY | 1800 | PALMER | | |
| TEMP | 2004-06-29 | Present | DAILY | 2400 | HYGR | | |
| PRECIP | 2004-06-29 | Present | DAILY | 2400 | PCPN1 | | |
| MAX/MINTEM | 1995-08-01 | 2001-03-25 | ONCE DAILY | 1800 | PALMER | | |
| PRECIP | 1995-08-01 | 2004-06-29 | DAILY | 2400 | TB | RCRD | |

* 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.info@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