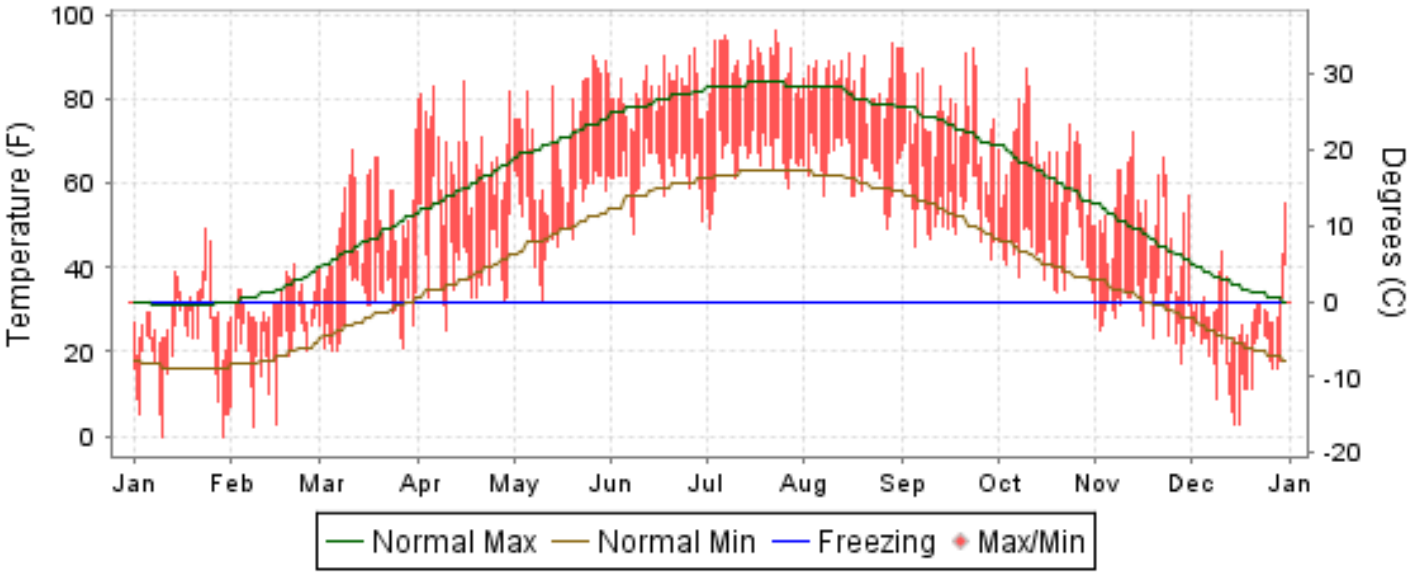
# 2010
# LOCAL CLIMATOLOGICAL DATA
# ANNUAL SUMMARY WITH COMPARATIVE DATA

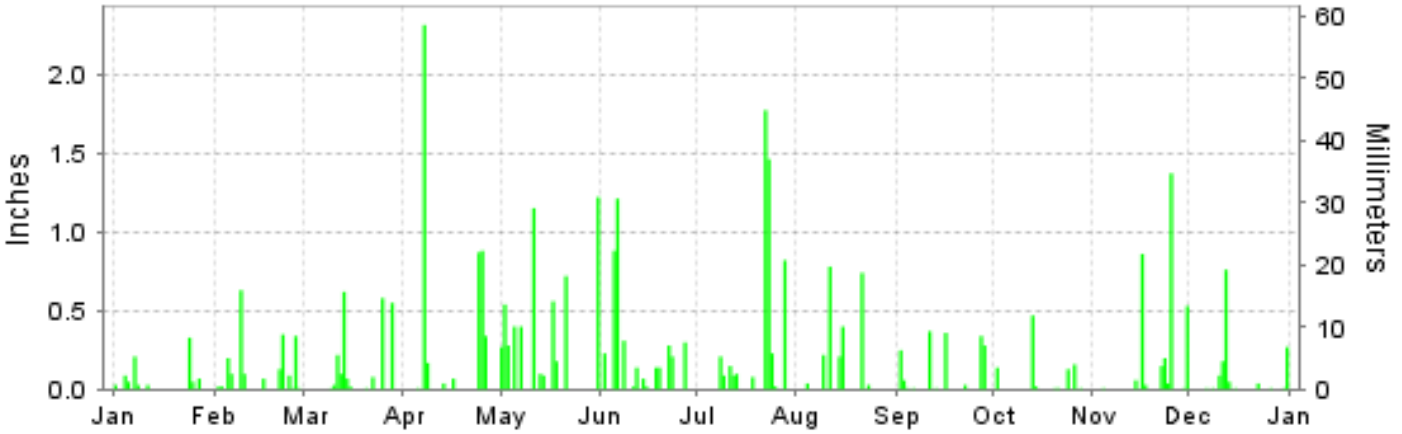
ISSN 0198-4012

## TOLEDO,
## OHIO (KTOL)

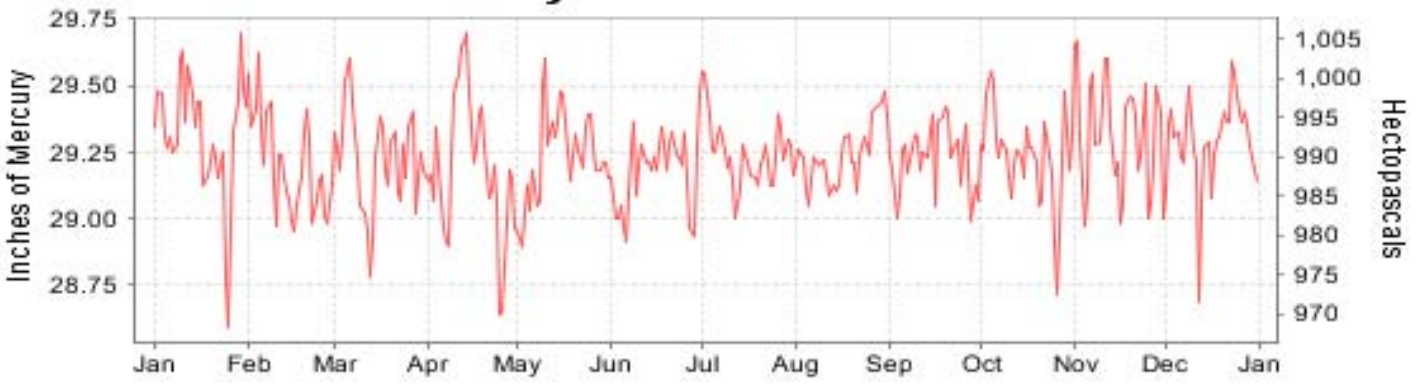
### Daily Max/Min Temperature




### 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 2010
## TOLEDO (KTOL)

**LATITUDE:** 41 ° 35'N **LONGITUDE:** -83 ° 48'W **ELEVATION (FT):** GRND: 674 BARO: 693 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 94830

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 29.6 | 32.1 | 51.8 | 66.9 | 73.5 | 82.0 | 88.2 | 84.8 | 75.9 | 65.9 | 52.3 | 30.4 | 61.1 |
| | HIGHEST DAILY MAXIMUM | 49 | 41 | 73 | 84 | 90 | 92 | 96 | 93 | 92 | 87 | 72 | 55 | 96 |
| | DATE OF OCCURRENCE | 24 | 21 | 31 | 15 | 26 | 27 | 23 | 29 | 23+ | 10 | 13 | 31 | JUL 23 |
| | MEAN DAILY MINIMUM | 18.9 | 20.4 | 30.6 | 41.8 | 52.5 | 62.3 | 65.1 | 63.3 | 54.2 | 43.8 | 30.7 | 18.8 | 41.9 |
| | LOWEST DAILY MINIMUM | 0 | 2 | 20 | 25 | 32 | 48 | 49 | 49 | 42 | 34 | 17 | 3 | 0 |
| | DATE OF OCCURRENCE | 29+ | 08 | 06+ | 10 | 10 | 08 | 02 | 27 | 29 | 31+ | 28 | 16+ | JAN 29+ |
| | AVERAGE DRY BULB | 24.3 | 26.3 | 41.2 | 54.4 | 63.0 | 72.2 | 76.7 | 74.1 | 65.1 | 54.9 | 41.5 | 24.6 | 51.5 |
| | MEAN WET BULB | 22.8 | 24.9 | 36.8 | 47.0 | 56.5 | 65.1 | 68.2 | 67.1 | | 47.1 | 36.6 | 22.7 | |
| | MEAN DEW POINT | 18.4 | 20.6 | 30.3 | 38.2 | 51.2 | 60.8 | 63.4 | 63.0 | | 39.5 | 31.1 | 17.9 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 1 | 3 | 13 | 5 | 3 | 0 | 0 | 0 | 25 |
| | MAXIMUM <= 32° | 22 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 63 |
| | MINIMUM <= 32° | 28 | 28 | 17 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 18 | 29 | 124 |
| | MINIMUM <= 0° | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| H/C | HEATING DEGREE DAYS | 1255 | 1077 | 728 | 327 | 153 | 9 | 0 | 1 | 87 | 312 | 699 | 1244 | 5892 |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 17 | 96 | 231 | 368 | 288 | 95 | 5 | 0 | 0 | 1100 |
| RH | MEAN (PERCENT) | 78 | 77 | 69 | 57 | 70 | 71 | 68 | 72 | 66 | 62 | 71 | 75 | 70 |
| | HOUR 01 LST | 80 | 83 | 80 | 69 | 82 | 85 | 86 | 87 | 79 | 74 | 80 | 78 | 80 |
| | HOUR 07 LST | 82 | 83 | 79 | 68 | 75 | 76 | 74 | 79 | 77 | 75 | 83 | 81 | 78 |
| | HOUR 13 LST | 72 | 69 | 55 | 43 | 53 | 54 | 45 | 54 | 47 | 41 | 53 | 68 | 55 |
| | HOUR 19 LST | 78 | 75 | 66 | 50 | 69 | 64 | 66 | 72 | 66 | 63 | 72 | 74 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| | THUNDERSTORMS | 1 | 0 | 0 | 2 | 7 | 8 | 7 | 4 | 1 | 1 | 0 | 1 | 32 |
| CLOUDNESS | 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.) | 29.31 | 29.20 | 29.22 | 29.20 | 29.24 | 29.18 | 29.24 | 29.24 | 29.23 | 29.23 | 29.31 | 29.28 | 29.24 |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.09 | 29.98 | 29.97 | 29.94 | 29.98 | 29.92 | 29.98 | 29.97 | 29.97 | 29.98 | 30.08 | 30.06 | 29.99 |
| WINDS | RESULTANT SPEED (MPH) | 4.8 | 3.6 | 3.0 | 1.8 | 0.2 | 3.2 | 3.4 | 1.9 | 3.5 | 4.0 | 2.9 | 4.7 | 2.6 |
| | RES. DIR. (TENS OF DEGS.) | 26 | 30 | 03 | 23 | 33 | 27 | 25 | 26 | 27 | 27 | 24 | 27 | 27 |
| | MEAN SPEED (MPH) | 9.4 | 8.0 | 7.3 | 9.0 | 7.9 | 7.0 | 5.8 | 4.6 | 7.9 | 8.0 | 7.6 | 8.7 | 7.6 |
| | PREVAIL.DIR.(TENS OF DEGS.) | 24 | 26 | 07 | 21 | 06 | 23 | 23 | 23 | 26 | 24 | 20 | 24 | 24 |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 30 | 31 | 40 | 36 | 44 | 30 | 23 | 40 | 35 | 30 | 25 | 44 |
| | DIR. (TENS OF DEGS.) | 26 | 05 | 07 | 26 | 25 | 27 | 21 | 26 | 23 | 22 | 28 | 33 | 27 |
| | DATE OF OCCURRENCE | 26 | 05 | 14 | 03 | 01 | 18 | 18 | 04 | 24 | 27 | 25 | 13 | JUN 18 |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 39 | 39 | 43 | 49 | 46 | 55 | 39 | 30 | 49 | 49 | 41 | 35 | 55 |
| | DIR. (TENS OF DEGS.) | 26 | 03 | 07 | 25 | 25 | 27 | 21 | 27 | 24 | 22 | 28 | 34 | 27 |
| | DATE OF OCCURRENCE | 26 | 05 | 14 | 03 | 01 | 06 | 18 | 04 | 24 | 27 | 25 | 13 | JUN 06 |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.89 | 2.07 | 2.29 | 4.69 | 5.91 | 3.95 | 5.02 | 2.42 | 1.72 | 0.95 | 3.26 | 1.44 | 34.61 |
| | GREATEST 24-HOUR (IN.) | 0.37 | 0.73 | 0.62 | 2.48 | 1.22 | 2.09 | 1.77 | 0.78 | 0.62 | 0.49 | 1.37 | 0.92 | 2.48 |
| | DATE OF OCCURRENCE | 24-25 | 09-10 | 13 | 07-08 | 31 | 05-06 | 22 | 11 | 27-28 | 13-14 | 25 | 11-12 | APR 07-08 |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 9 | 13 | 11 | 8 | 12 | 13 | 11 | 7 | 10 | 8 | 10 | 11 | 123 |
| | PRECIPITATION 0.10 | 2 | 7 | 5 | 5 | 11 | 10 | 7 | 5 | 5 | 4 | 5 | 3 | 69 |
| | PRECIPITATION 1.00 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 7 |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | 8.0 | 24.1 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 6.0 | 38.1 |
| | TOTAL (IN.) | 2.5 | 10.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.0 | 10.0 |
| | GREATEST 24-HOUR (IN.) | 07 | 09 | 25+ | | | | | | | | 30 | 12 | FEB 09 |
| | DATE OF OCCURRENCE | 4 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 |
| | MAXIMUM SNOW DEPTH (IN.) | 08 | 10 | 01 | | | | | | | | | 14+ | FEB 10 |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | SNOWFALL >= 1.0 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |

# NORMALS, MEANS, AND EXTREMES
## TOLEDO (KTOL)

**LATITUDE:** 41 ° 35'N **LONGITUDE:** -83 ° 48'W **ELEVATION (FT):** GRND: 674 BARO: 693 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 94830

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 31.4 | 35.1 | 46.5 | 58.9 | 70.7 | 79.5 | 83.4 | 81.0 | 74.0 | 62.1 | 48.3 | 36.0 | 58.9 |
| | MEAN DAILY MAXIMUM | 56 | 31.2 | 34.6 | 45.7 | 59.6 | 70.7 | 79.9 | 83.9 | 81.9 | 75.1 | 62.9 | 48.8 | 35.8 | 59.2 |
| | HIGHEST DAILY MAXIMUM | 55 | 66 | 71 | 81 | 88 | 95 | 104 | 104 | 99 | 98 | 91 | 80 | 70 | 104 |
| | YEAR OF OCCURRENCE | | 2008 | 2000 | 1998 | 2002 | 1962 | 1988 | 1995 | 1993 | 1978 | 1963 | 2003 | 2001 | JUL 1995 |
| | MEAN OF EXTREME MAXS. | 56 | 51.4 | 55.4 | 70.5 | 81.1 | 87.2 | 92.9 | 94.1 | 91.9 | 89.5 | 80.9 | 68.6 | 56.9 | 76.7 |
| | NORMAL DAILY MINIMUM | 30 | 16.4 | 18.9 | 27.9 | 37.7 | 48.6 | 58.2 | 62.6 | 60.7 | 52.9 | 41.6 | 32.6 | 22.3 | 40.0 |
| | MEAN DAILY MINIMUM | 56 | 16.5 | 18.8 | 27.2 | 37.6 | 47.6 | 56.9 | 61.3 | 59.7 | 52.0 | 40.9 | 32.0 | 21.7 | 39.4 |
| | LOWEST DAILY MINIMUM | 55 | -20 | -14 | -6 | 8 | 25 | 32 | 40 | 34 | 26 | 15 | 2 | -19 | -20 |
| | YEAR OF OCCURRENCE | | 1984 | 1982 | 1984 | 1982 | 2005 | 1972 | 1988 | 1982 | 1974 | 1976 | 1958 | 1989 | JAN 1984 |
| | MEAN OF EXTREME MINS. | 56 | -4.3 | -0.9 | 9.0 | 21.8 | 32.6 | 42.9 | 49.0 | 47.0 | 35.8 | 25.4 | 16.1 | 1.3 | 23.0 |
| | NORMAL DRY BULB | 30 | 23.9 | 27.0 | 37.2 | 48.3 | 59.6 | 68.8 | 73.0 | 70.8 | 63.5 | 51.8 | 40.5 | 29.2 | 49.5 |
| | MEAN DRY BULB | 56 | 23.8 | 26.7 | 36.4 | 48.6 | 59.2 | 68.6 | 72.6 | 70.9 | 63.6 | 51.9 | 40.4 | 28.8 | 49.3 |
| | MEAN WET BULB | 27 | 23.3 | 25.3 | 32.4 | 42.3 | 52.3 | 61.6 | 65.4 | 64.7 | 57.8 | 46.5 | 37.0 | 27.1 | 44.6 |
| | MEAN DEW POINT | 27 | 20.6 | 22.0 | 28.6 | 38.0 | 48.8 | 58.6 | 62.9 | 62.7 | 55.0 | 43.6 | 34.1 | 24.7 | 41.6 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.4 | 5.9 | 3.2 | 1.2 | 0.0 | 0.0 | 0.0 | 14.6 |
| | MAXIMUM <= 32 | 30 | 16.7 | 12.6 | 4.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 10.6 | 45.8 |
| | MINIMUM <= 32 | 30 | 28.5 | 24.6 | 21.5 | 9.6 | 1.0 | * | 0.0 | 0.0 | 0.4 | 6.1 | 16.8 | 26.0 | 134.5 |
| | MINIMUM <= 0 | 30 | 4.3 | 3.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 8.9 |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1281 | 1079 | 878 | 517 | 224 | 45 | 6 | 18 | 129 | 431 | 745 | 1107 | 6460 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 1 | 7 | 42 | 148 | 248 | 190 | 73 | 6 | 0 | 0 | 715 |
| RH | NORMAL (PERCENT) | 30 | 77 | 75 | 70 | 66 | 67 | 69 | 71 | 76 | 76 | 74 | 76 | 79 | 73 |
| | HOUR 01 LST | 30 | 80 | 79 | 77 | 75 | 79 | 83 | 85 | 89 | 88 | 83 | 80 | 82 | 82 |
| | HOUR 07 LST | 30 | 81 | 81 | 81 | 79 | 80 | 82 | 86 | 91 | 92 | 87 | 83 | 83 | 84 |
| | HOUR 13 LST | 30 | 71 | 67 | 60 | 53 | 53 | 55 | 56 | 59 | 58 | 58 | 66 | 73 | 61 |
| | HOUR 19 LST | 30 | 76 | 72 | 65 | 58 | 57 | 59 | 61 | 68 | 71 | 71 | 74 | 78 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | 40 | 41 | 46 | 50 | 52 | 60 | 64 | 65 | 63 | 61 | 54 | 37 | 33 | 52 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 47 | 1.8 | 1.7 | 1.8 | 0.8 | 0.8 | 1.0 | 0.8 | 1.4 | 1.6 | 1.7 | 1.4 | 2.3 | 17.1 |
| | THUNDERSTORMS | 56 | 0.2 | 0.5 | 1.5 | 3.1 | 4.4 | 6.0 | 6.1 | 5.1 | 2.9 | 1.1 | 0.7 | 0.2 | 31.8 |
| CLOUDNESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | | | | 2.0 | | 2.0 | | | | | | | | |
| | PARTLY CLOUDY | | | | 1.0 | | | | | | | | | | |
| | CLOUDY | 1 | 1.0 | 1.0 | 2.0 | | | | | | | | | | |
| PR | MEAN STATION PRESSURE(IN) | 27 | 29.31 | 29.31 | 29.29 | 29.23 | 29.24 | 29.23 | 29.26 | 29.30 | 29.32 | 29.32 | 29.31 | 29.33 | 29.29 |
| | MEAN SEA-LEVEL PRES. (IN) | 27 | 30.09 | 30.09 | 30.05 | 29.98 | 29.98 | 29.96 | 29.99 | 30.03 | 30.06 | 30.07 | 30.07 | 30.09 | 30.04 |
| WINDS | MEAN SPEED (MPH) | 27 | 10.6 | 10.2 | 10.3 | 10.5 | 9.0 | 7.7 | 7.1 | 6.4 | 7.0 | 8.3 | 9.7 | 9.9 | 8.9 |
| | PREVAIL.DIR(TENS OF DEGS) | 36 | 25 | 25 | 07 | 07 | 24 | 24 | 24 | 24 | 25 | 24 | 25 | 24 | 25 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 15 | 47 | 46 | 46 | 48 | 46 | 53 | 44 | 43 | 40 | 45 | 51 | 48 | 53 |
| | DIR. (TENS OF DEGS) | | 26 | 26 | 24 | 25 | 25 | 25 | 36 | 26 | 23 | 24 | 21 | 30 | 25 |
| | YEAR OF OCCURRENCE | | 2008 | 2001 | 2002 | 1997 | 2000 | 2007 | 2008 | 1998 | 2010 | 1996 | 2005 | 1998 | JUN 2007 |
| | MAXIMUM 3-SECOND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 15 | 56 | 56 | 69 | 61 | 68 | 62 | 54 | 54 | 49 | 59 | 66 | 66 | 69 |
| | DIR. (TENS OF DEGS) | | 25 | 26 | 23 | 27 | 27 | 26 | 35 | 26 | 24 | 25 | 24 | 25 | 23 |
| | YEAR OF OCCURRENCE | | 2008 | 2001 | 2002 | 2003 | 1999 | 2007 | 2008 | 1998 | 2010 | 1996 | 1998 | 2008 | MAR 2002 |
| PRECIPITATION | NORMAL (IN) | 30 | 1.93 | 1.88 | 2.62 | 3.24 | 3.14 | 3.80 | 2.80 | 3.19 | 2.84 | 2.35 | 2.78 | 2.64 | 33.21 |
| | MAXIMUM MONTHLY (IN) | 55 | 4.61 | 5.50 | 5.70 | 6.10 | 6.80 | 8.48 | 9.19 | 8.47 | 8.10 | 6.26 | 6.86 | 6.81 | 9.19 |
| | YEAR OF OCCURRENCE | | 1965 | 2008 | 1985 | 1977 | 2000 | 1981 | 2006 | 1965 | 1972 | 2001 | 1982 | 1967 | JUL 2006 |
| | MINIMUM MONTHLY (IN) | 55 | 0.27 | 0.27 | 0.58 | 0.88 | 0.96 | 0.27 | 0.34 | 0.40 | 0.58 | .27 | 0.55 | 0.54 | 0.27 |
| | YEAR OF OCCURRENCE | | 1961 | 1969 | 1958 | 1962 | 1964 | 1988 | 1995 | 1976 | 1963 | 2005 | 1976 | 1958 | OCT 2005 |
| | MAXIMUM IN 24 HOURS (IN) | 55 | 1.78 | 2.59 | 2.60 | 3.43 | 2.34 | 3.21 | 4.39 | 2.42 | 3.97 | 3.21 | 3.17 | 3.53 | 4.39 |
| | YEAR OF OCCURRENCE | | 1959 | 1990 | 1985 | 1977 | 1991 | 1978 | 1969 | 1972 | 1972 | 1988 | 1982 | 1967 | JUL 1969 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION >= 0.01 | 30 | 13.6 | 10.6 | 12.5 | 12.7 | 11.9 | 10.6 | 9.4 | 9.6 | 9.9 | 9.9 | 12.0 | 13.6 | 136.3 |
| | PRECIPITATION >= 1.00 | 30 | 0.1 | 0.2 | 0.2 | 0.3 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.3 | 0.4 | 0.3 | 4.9 |
| SNOWFALL | NORMAL (IN) | 30 | 10.8 | 8.5 | 5.6 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.6 | 8.3 | 37.4 |
| | MAXIMUM MONTHLY (IN) | 49 | 30.8 | 24.1 | 17.7 | 12.0 | 1.3 | T | T | T | T | 2.0 | 17.9 | 24.2 | 30.8 |
| | YEAR OF OCCURRENCE | | 1978 | 2010 | 1993 | 1957 | 1989 | 1995 | 1992 | 1994 | 1993 | 1989 | 1966 | 1977 | JAN 1978 |
| | MAXIMUM IN 24 HOURS (IN) | 49 | 12.0 | 10.0 | 9.7 | 9.8 | 1.3 | T | T | T | T | 1.8 | 8.3 | 13.9 | 13.9 |
| | YEAR OF OCCURRENCE' | | 2005 | 2010 | 1993 | 1957 | 1989 | 1995 | 1992 | 1994 | 1993 | 1989 | 1966 | 1974 | DEC 1974 |
| | MAXIMUM SNOW DEPTH (IN) | 47 | 17 | 19 | 8 | 10 | 1 | 0 | 0 | 0 | 0 | 1 | 8 | 16 | 19 |
| | YEAR OF OCCURRENCE | | 1978 | 1978 | 2002 | 1957 | 1989 | | | | | 1989 | 1966 | 1977 | FEB 1978 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | SNOWFALL >= 1.0 | 30 | 3.3 | 2.8 | 1.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 2.5 | 11.8 |

## PRECIPITATION (inches) 2010 TOLEDO (KTOL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1981 | 0.48 | 3.27 | 0.63 | 3.54 | 2.38 | 8.48 | 3.72 | 2.28 | 6.05 | 3.79 | 0.84 | 2.93 | 38.39 |
| 1982 | 3.61 | 1.15 | 3.74 | 1.53 | 2.61 | 2.01 | 1.97 | 1.38 | 2.03 | 1.14 | 6.86 | 3.48 | 31.51 |
| 1983 | 0.88 | 0.59 | 1.86 | 4.28 | 3.98 | 4.06 | 3.39 | 2.15 | 1.42 | 3.59 | 5.56 | 3.91 | 35.67 |
| 1984 | 0.99 | 1.18 | 2.95 | 5.15 | 3.48 | 1.49 | 2.30 | 3.87 | 2.02 | 1.75 | 2.74 | 3.22 | 31.14 |
| 1985 | 2.02 | 3.23 | 5.70 | 1.40 | 1.85 | 2.90 | 3.86 | 4.30 | 2.53 | 3.05 | 5.89 | 1.62 | 38.35 |
| 1986 | 0.99 | 2.46 | 2.16 | 2.81 | 2.72 | 5.32 | 3.37 | 5.93 | 4.75 | 4.78 | 1.66 | 1.87 | 38.82 |
| 1987 | 1.87 | 0.53 | 1.78 | 1.72 | 2.32 | 5.62 | 1.51 | 4.45 | 2.31 | 2.21 | 2.59 | 3.80 | 30.71 |
| 1988 | 1.17 | 1.33 | 1.69 | 1.45 | 1.37 | 0.27 | 3.76 | 5.11 | 1.80 | 4.37 | 4.27 | 1.96 | 28.55 |
| 1989 | 1.80 | 0.74 | 2.03 | 3.50 | 4.87 | 6.74 | 6.31 | 3.59 | 3.30 | 1.36 | 1.89 | 1.29 | 37.42 |
| 1990 | 2.18 | 5.39 | 3.46 | 2.09 | 4.63 | 3.14 | 1.89 | 3.32 | 1.72 | 2.63 | 2.27 | 5.69 | 38.41 |
| 1991 | 1.41 | 1.42 | 1.42 | 4.29 | 4.82 | 1.51 | 0.52 | 1.94 | 0.73 | 5.53 | 2.15 | 1.51 | 27.25 |
| 1992 | 1.70 | 1.68 | 3.05 | 3.41 | 3.18 | 1.28 | 6.51 | 2.40 | 4.01 | 1.77 | 4.45 | 3.60 | 37.04 |
| 1993 | 3.17 | 1.71 | 3.46 | 3.06 | 1.13 | 4.60 | 1.60 | 1.15 | 4.50 | 1.51 | 2.73 | 1.25 | 29.87 |
| 1994 | 2.83 | 1.88 | 2.06 | 4.86 | 1.11 | 3.63 | 2.14 | 3.05 | 0.93 | 1.00 | 2.69 | 3.01 | 29.19 |
| 1995 | 3.07 | 0.57 | 1.59 | 4.52 | 2.96 | 4.46 | 0.34 | 2.72 | 1.41 | 3.71 | 2.72 | 0.89 | 28.96 |
| 1996 | 2.22 | 0.95 | 2.67 | 3.85 | 2.62 | 4.91 | 1.81 | .74 | 2.74 | 1.75 | 2.79 | 2.92 | 29.97 |
| 1997 | 2.35 | 4.27 | 2.53 | 1.55 | 6.76 | 3.70 | 2.63 | 4.07 | 4.74 | 1.24 | 2.16 | 2.07 | 38.07 |
| 1998 | 2.96 | 3.77 | 3.32 | 4.54 | 2.07 | 1.73 | 2.70 | 5.44 | 0.96 | 2.13 | 1.63 | 0.61 | 31.86 |
| 1999 | 3.17 | 1.67 | 1.42 | 4.89 | 4.93 | 1.86 | 2.87 | 1.40 | 1.50 | 1.92 | 1.46 | 1.71 | 28.80 |
| 2000 | 1.19 | 1.08 | 1.84 | 3.55 | 6.80 | 5.52 | 2.29 | 4.15 | 4.98 | 2.83 | 1.36 | 2.53 | 38.12 |
| 2001 | 0.52 | 2.45 | 0.64 | 2.47 | 5.06 | 2.87 | 1.87 | 2.48 | 4.72 | 6.26 | 2.11 | 1.96 | 33.41 |
| 2002 | 2.67 | 1.67 | 3.07 | 4.14 | 3.31 | 2.00 | 1.94 | 1.22 | 2.10 | 1.70 | 2.60 | 2.67 | 29.09 |
| 2003 | 1.29 | 1.87 | 2.11 | 2.57 | 5.69 | 3.12 | 4.04 | 3.32 | 5.27 | 2.75 | 1.99 | 3.25 | 37.27 |
| 2004 | 1.29 | 0.44 | 2.36 | 0.97 | 4.67 | 3.89 | 2.57 | 4.10 | 1.41 | 2.36 | 3.33 | 2.08 | 29.47 |
| 2005 | 4.52 | 2.73 | 0.80 | 2.71 | 2.08 | 1.66 | 5.03 | 1.76 | 2.82 | 0.27 | 4.02 | 3.17 | 31.57 |
| 2006 | 2.93 | 1.86 | 2.48 | 1.35 | 6.60 | 3.91 | 9.19 | 3.23 | 2.35 | 4.29 | 3.03 | 4.49 | 45.71 |
| 2007 | 3.56 | 0.96 | 1.91 | 3.77 | 2.23 | 2.95 | 3.40 | 8.26 | 1.45 | 1.81 | 2.79 | 3.86 | 36.95 |
| 2008 | 2.20 | 5.50 | 4.34 | 2.13 | 2.51 | 5.55 | 5.37 | 1.12 | 4.14 | 1.50 | 3.10 | 4.40 | 41.86 |
| 2009 | 1.59 | 3.72 | 4.82 | 4.76 | 2.77 | 3.82 | 2.98 | 2.96 | 2.96 | 3.94 | 0.67 | 3.03 | 38.02 |
| 2010 | 0.89 | 2.07 | 2.29 | 4.69 | 5.91 | 3.95 | 5.02 | 2.42 | 1.72 | 0.95 | 3.26 | 1.44 | 34.61 |
| POR= 56 YRS | 1.96 | 1.92 | 2.49 | 3.11 | 3.25 | 3.57 | 3.28 | 3.19 | 2.71 | 2.24 | 2.68 | 2.65 | 33.05 |

WBAN : 94830

## AVERAGE TEMPERATURE (°F) 2010 TOLEDO (KTOL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1981 | 17.6 | 28.5 | 36.5 | 49.9 | 55.4 | 68.4 | 71.7 | 69.8 | 61.3 | 47.7 | 39.6 | 27.4 | 47.8 |
| 1982 | 15.8 | 20.2 | 33.4 | 42.7 | 64.4 | 64.3 | 72.6 | 67.5 | 61.9 | 52.7 | 41.8 | 36.6 | 47.8 |
| 1983 | 27.6 | 30.5 | 37.9 | 44.2 | 54.8 | 67.9 | 74.7 | 73.8 | 64.2 | 51.9 | 41.3 | 20.0 | 49.1 |
| 1984 | 16.6 | 33.0 | 27.6 | 46.8 | 54.4 | 71.2 | 69.8 | 71.2 | 60.8 | 55.2 | 38.7 | 34.0 | 48.3 |
| 1985 | 19.5 | 22.6 | 39.3 | 53.5 | 61.6 | 64.8 | 73.2 | 69.1 | 64.0 | 53.3 | 43.9 | 22.3 | 48.9 |
| 1986 | 25.6 | 25.0 | 39.2 | 50.0 | 60.3 | 66.8 | 73.8 | 67.0 | 65.3 | 53.2 | 37.2 | 31.6 | 49.6 |
| 1987 | 25.8 | 30.0 | 39.7 | 50.3 | 62.5 | 70.8 | 74.9 | 71.0 | 63.8 | 45.4 | 44.4 | 33.0 | 51.0 |
| 1988 | 23.8 | 23.3 | 37.5 | 48.1 | 61.0 | 69.3 | 75.9 | 73.9 | 62.5 | 45.2 | 41.8 | 28.0 | 49.2 |
| 1989 | 33.1 | 24.5 | 36.7 | 45.5 | 57.2 | 68.2 | 73.2 | 69.8 | 61.8 | 52.2 | 38.5 | 16.8 | 48.1 |
| 1990 | 34.3 | 32.4 | 41.1 | 49.4 | 56.6 | 69.1 | 71.8 | 70.0 | 63.7 | 51.8 | 44.3 | 33.1 | 51.5 |
| 1991 | 25.2 | 31.6 | 40.3 | 52.6 | 67.0 | 72.6 | 74.6 | 73.0 | 62.9 | 55.0 | 37.9 | 33.0 | 52.1 |
| 1992 | 28.8 | 31.9 | 36.1 | 47.4 | 57.9 | 65.1 | 70.1 | 67.8 | 61.9 | 49.6 | 40.8 | 32.9 | 49.2 |
| 1993 | 30.2 | 24.7 | 34.3 | 48.3 | 60.6 | 68.1 | 76.1 | 74.3 | 61.1 | 49.8 | 39.7 | 29.5 | 49.7 |
| 1994 | 17.1 | 23.0 | 36.7 | 50.8 | 57.2 | 71.0 | 72.6 | 67.1 | 64.1 | 53.6 | 45.9 | 35.7 | 49.6 |
| 1995 | 28.2 | 25.7 | 40.5 | 46.8 | 60.1 | 72.3 | 76.5 | 78.5 | 62.8 | 55.8 | 36.6 | 25.4 | 50.8 |
| 1996 | 23.7 | 26.9 | 31.7 | 46.1 | 57.5 | 70.8 | 70.5 | 72.3 | 64.3 | 53.1 | 34.4 | 31.6 | 48.6 |
| 1997 | 21.9 | 31.4 | 38.6 | 46.2 | 52.5 | 68.8 | 71.7 | 67.3 | 62.4 | 52.1 | 36.6 | 31.3 | 48.4 |
| 1998 | 33.0 | 36.3 | 40.0 | 50.0 | 66.0 | 70.2 | 73.3 | 72.2 | 67.2 | 53.5 | 42.9 | 35.1 | 53.3 |
| 1999 | 24.4 | 33.6 | 34.4 | 50.7 | 62.6 | 70.8 | 77.3 | 69.7 | 65.1 | 51.5 | 44.8 | 31.0 | 51.3 |
| 2000 | 23.8 | 33.3 | 43.8 | 48.2 | 61.8 | 69.0 | 70.3 | 70.2 | 62.5 | 55.4 | 39.9 | 18.3 | 49.7 |
| 2001 | 26.0 | 30.4 | 35.2 | 51.5 | 61.4 | 68.7 | 72.7 | 73.4 | 63.1 | 53.6 | 48.5 | 37.0 | 51.8 |
| 2002 | 35.2 | 34.9 | 36.6 | 52.4 | 56.3 | 72.2 | 77.6 | 74.2 | 69.0 | 50.6 | 40.1 | 29.3 | 52.4 |
| 2003 | 20.8 | 23.9 | 36.5 | 48.8 | 56.9 | 66.3 | 71.6 | 72.8 | 62.9 | 51.8 | 45.4 | 31.8 | 49.1 |
| 2004 | 20.5 | 28.0 | 40.6 | 51.1 | 62.0 | 67.4 | 72.3 | 68.1 | 66.2 | 52.5 | 42.9 | 29.2 | 50.1 |
| 2005 | 24.2 | 29.3 | 34.0 | 50.2 | 56.4 | 74.3 | 74.9 | 73.9 | 67.3 | 54.3 | 42.9 | 25.2 | 50.6 |
| 2006 | 36.6 | 30.3 | 37.7 | 52.8 | 59.9 | 68.9 | 74.8 | 73.0 | 62.3 | 49.8 | 42.6 | 37.2 | 52.2 |
| 2007 | 29.9 | 17.3 | 40.9 | 47.8 | 63.0 | 70.7 | 71.1 | 73.2 | 66.5 | 59.0 | 39.8 | 29.5 | 50.7 |
| 2008 | 27.4 | 25.0 | 33.8 | 50.8 | 57.6 | 70.1 | 73.6 | 71.7 | 66.3 | 50.9 | 38.4 | 27.7 | 49.4 |
| 2009 | 16.5 | 28.6 | 39.7 | 49.7 | 59.4 | 68.7 | 68.9 | 70.9 | 65.0 | 49.2 | 45.0 | 28.6 | 49.2 |
| 2010 | 24.3 | 26.3 | 41.2 | 54.4 | 63.0 | 72.2 | 76.7 | 74.1 | 65.1 | 54.9 | 41.5 | 24.6 | 51.5 |
| POR= 56 YRS | 23.8 | 26.7 | 36.4 | 48.6 | 59.2 | 68.6 | 72.6 | 70.9 | 63.6 | 51.9 | 40.4 | 28.8 | 49.3 |

## HEATING DEGREE DAYS (base 65°F) 2010 TOLEDO (KTOL)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1981-82 | 7 | 15 | 169 | 529 | 754 | 1160 | 1522 | 1250 | 972 | 665 | 81 | 76 | 7200 |
| 1982-83 | 3 | 47 | 148 | 386 | 690 | 871 | 1154 | 958 | 833 | 624 | 311 | 55 | 6080 |
| 1983-84 | 8 | 0 | 127 | 407 | 705 | 1389 | 1494 | 920 | 1151 | 545 | 341 | 9 | 7096 |
| 1984-85 | 11 | 15 | 173 | 297 | 782 | 951 | 1404 | 1182 | 791 | 368 | 158 | 58 | 6190 |
| 1985-86 | 0 | 16 | 138 | 356 | 626 | 1316 | 1216 | 1113 | 793 | 449 | 185 | 54 | 6262 |
| 1986-87 | 2 | 54 | 87 | 365 | 828 | 1027 | 1209 | 972 | 778 | 439 | 173 | 20 | 5954 |
| 1987-88 | 5 | 34 | 89 | 601 | 611 | 986 | 1269 | 1202 | 845 | 498 | 159 | 53 | 6352 |
| 1988-89 | 4 | 5 | 104 | 613 | 691 | 1141 | 979 | 1127 | 869 | 578 | 270 | 29 | 6410 |
| 1989-90 | 0 | 14 | 159 | 396 | 789 | 1488 | 947 | 907 | 742 | 492 | 262 | 31 | 6227 |
| 1990-91 | 4 | 3 | 125 | 415 | 612 | 981 | 1228 | 928 | 758 | 377 | 115 | 7 | 5553 |
| 1991-92 | 0 | 0 | 167 | 315 | 806 | 986 | 1116 | 953 | 889 | 525 | 245 | 62 | 6064 |
| 1992-93 | 7 | 25 | 146 | 473 | 719 | 987 | 1072 | 1123 | 943 | 493 | 156 | 48 | 6192 |
| 1993-94 | 0 | 3 | 151 | 465 | 756 | 1095 | 1479 | 1170 | 868 | 442 | 272 | 34 | 6735 |
| 1994-95 | 0 | 34 | 87 | 344 | 566 | 897 | 1137 | 1091 | 753 | 537 | 160 | 6 | 5612 |
| 1995-96 | 3 | 0 | 124 | 287 | 846 | 1221 | 1272 | 1099 | 1027 | 559 | 279 | 11 | 6728 |
| 1996-97 | 6 | 0 | 100 | 365 | 911 | 1027 | 1329 | 937 | 813 | 557 | 382 | 44 | 6471 |
| 1997-98 | 4 | 22 | 112 | 430 | 848 | 1037 | 985 | 795 | 783 | 447 | 63 | 72 | 5598 |
| 1998-99 | 0 | 3 | 52 | 363 | 655 | 920 | 1255 | 871 | 942 | 425 | 113 | 39 | 5638 |
| 1999-00 | 0 | 7 | 85 | 411 | 599 | 1047 | 1272 | 911 | 652 | 495 | 163 | 43 | 5685 |
| 2000-01 | 1 | 12 | 149 | 296 | 746 | 1445 | 1201 | 963 | 919 | 409 | 144 | 54 | 6339 |
| 2001-02 | 7 | 0 | 117 | 352 | 490 | 860 | 915 | 833 | 874 | 420 | 293 | 16 | 5177 |
| 2002-03 | 0 | 0 | 39 | 469 | 740 | 1099 | 1362 | 1143 | 877 | 491 | 242 | 55 | 6517 |
| 2003-04 | 0 | 1 | 102 | 409 | 582 | 1019 | 1374 | 1069 | 748 | 429 | 149 | 34 | 5916 |
| 2004-05 | 3 | 26 | 54 | 380 | 656 | 1102 | 1258 | 993 | 954 | 436 | 268 | 7 | 6137 |
| 2005-06 | 0 | 0 | 37 | 352 | 655 | 1229 | 875 | 964 | 840 | 360 | 216 | 15 | 5543 |
| 2006-07 | 0 | 0 | 114 | 469 | 667 | 852 | 1048 | 1328 | 739 | 515 | 140 | 18 | 5890 |
| 2007-08 | 3 | 9 | 65 | 238 | 753 | 1093 | 1159 | 1152 | 959 | 421 | 244 | 12 | 6108 |
| 2008-09 | 1 | 1 | 30 | 431 | 790 | 1151 | 1496 | 1011 | 779 | 482 | 179 | 34 | 6385 |
| 2009-10 | 4 | 10 | 62 | 484 | 595 | 1124 | 1255 | 1077 | 728 | 327 | 153 | 9 | 5828 |
| 2010- | 0 | 1 | 87 | 312 | 699 | 1244 | | | | | | | |

WBAN : 94830

## COOLING DEGREE DAYS (base 65°F) 2010 TOLEDO (KTOL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1981 | 0 | 0 | 1 | 2 | 17 | 132 | 220 | 170 | 64 | 0 | 0 | 0 | 606 |
| 1982 | 0 | 0 | 0 | 0 | 68 | 61 | 245 | 132 | 62 | 11 | 0 | 0 | 579 |
| 1983 | 0 | 0 | 0 | 4 | 2 | 148 | 311 | 279 | 109 | 11 | 0 | 0 | 864 |
| 1984 | 0 | 0 | 0 | 5 | 17 | 203 | 168 | 214 | 51 | 1 | 0 | 0 | 659 |
| 1985 | 0 | 0 | 0 | 29 | 60 | 58 | 263 | 147 | 116 | 0 | 0 | 0 | 673 |
| 1986 | 0 | 0 | 1 | 4 | 48 | 113 | 282 | 125 | 103 | 4 | 0 | 0 | 680 |
| 1987 | 0 | 0 | 0 | 5 | 105 | 202 | 318 | 225 | 59 | 0 | 4 | 0 | 918 |
| 1988 | 0 | 0 | 0 | 0 | 43 | 190 | 350 | 286 | 39 | 5 | 0 | 0 | 913 |
| 1989 | 0 | 0 | 2 | 0 | 34 | 132 | 259 | 168 | 69 | 5 | 0 | 0 | 669 |
| 1990 | 0 | 0 | 7 | 32 | 11 | 164 | 222 | 164 | 91 | 14 | 0 | 0 | 705 |
| 1991 | 0 | 0 | 0 | 14 | 185 | 244 | 305 | 256 | 111 | 13 | 0 | 0 | 1128 |
| 1992 | 0 | 0 | 0 | 3 | 32 | 66 | 170 | 120 | 59 | 2 | 0 | 0 | 452 |
| 1993 | 0 | 0 | 0 | 0 | 26 | 148 | 351 | 297 | 41 | 1 | 0 | 0 | 864 |
| 1994 | 0 | 0 | 0 | 22 | 39 | 222 | 245 | 104 | 66 | 1 | 0 | 0 | 699 |
| 1995 | 0 | 0 | 0 | 0 | 16 | 230 | 367 | 426 | 64 | 8 | 0 | 0 | 1111 |
| 1996 | 0 | 0 | 0 | 2 | 53 | 191 | 184 | 234 | 85 | 2 | 0 | 0 | 751 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 163 | 215 | 101 | 41 | 34 | 0 | 0 | 554 |
| 1998 | 0 | 0 | 13 | 0 | 100 | 233 | 263 | 236 | 126 | 11 | 0 | 0 | 982 |
| 1999 | 0 | 0 | 0 | 2 | 46 | 220 | 386 | 161 | 95 | 2 | 0 | 0 | 912 |
| 2000 | 0 | 0 | 2 | 0 | 69 | 168 | 170 | 182 | 82 | 6 | 0 | 0 | 679 |
| 2001 | 0 | 0 | 0 | 10 | 40 | 171 | 254 | 268 | 64 | 6 | 0 | 0 | 813 |
| 2002 | 0 | 0 | 0 | 50 | 32 | 240 | 398 | 290 | 165 | 29 | 0 | 0 | 1204 |
| 2003 | 0 | 0 | 0 | 9 | 2 | 101 | 216 | 250 | 47 | 7 | 1 | 0 | 633 |
| 2004 | 0 | 0 | 0 | 18 | 63 | 114 | 234 | 129 | 96 | 1 | 0 | 0 | 655 |
| 2005 | 0 | 0 | 0 | 0 | 10 | 294 | 317 | 281 | 114 | 28 | 0 | 0 | 1044 |
| 2006 | 0 | 0 | 0 | 4 | 64 | 141 | 310 | 256 | 42 | 4 | 0 | 0 | 821 |
| 2007 | 0 | 0 | 0 | 4 | 84 | 198 | 200 | 270 | 118 | 58 | 0 | 0 | 932 |
| 2008 | 0 | 0 | 0 | 2 | 21 | 172 | 275 | 213 | 78 | 1 | 0 | 0 | 762 |
| 2009 | 0 | 0 | 0 | 31 | 13 | 152 | 134 | 200 | 67 | 0 | 0 | 0 | 597 |
| 2010 | 0 | 0 | 0 | 17 | 96 | 231 | 368 | 288 | 95 | 5 | 0 | 0 | 1100 |

## SNOWFALL (inches) 2010 TOLEDO (KTOL)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 0.8 | 14.9 | 18.4 | 14.3 | 10.7 | 9.1 | 0.0 | 0.0 | 68.2 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | 2.2 | 1.2 | 0.7 | 4.1 | 3.6 | 0.7 | 0.0 | 0.0 | 12.5 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 13.4 | 12.2 | 6.3 | 9.8 | T | T | 0.0 | 45.1 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 5.1 | 14.0 | 12.4 | 2.6 | 2.0 | 0.0 | 0.0 | 38.5 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 8.7 | 6.6 | 10.2 | 2.2 | 0.2 | 0.0 | 0.0 | 30.4 |
| 1986-87 | 0.0 | 0.0 | 0.0 | T | 4.5 | 1.3 | 20.5 | 0.5 | 10.0 | 2.4 | 0.0 | 0.0 | 39.2 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 0.1 | 11.1 | 8.3 | 14.3 | 4.2 | T | 0.0 | 0.0 | 38.0 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 2.3 | 6.6 | 2.4 | 4.8 | 2.6 | 0.7 | 1.3 | 0.0 | 20.7 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 2.0 | 2.3 | 6.5 | 2.5 | 10.4 | 3.5 | 0.3 | 0.0 | 0.0 | 27.5 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | T | 8.2 | 5.0 | 10.1 | T | T | 0.0 | 0.0 | 23.3 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 1.7 | 2.5 | 10.5 | 3.0 | 12.5 | 0.1 | 0.0 | 0.0 | 30.3 |
| 1992-93 | T | 0.0 | 0.0 | 1.0 | 0.2 | 5.2 | 6.3 | 10.2 | 17.7 | 0.8 | 0.0 | 0.0 | 41.4 |
| 1993-94 | 0.0 | T | T | 0.8 | 1.1 | 6.9 | 20.2 | 16.6 | 4.2 | 7.0 | 0.0 | T | 56.8 |
| 1994-95 | 0.0 | T | 0.0 | 0.0 | T | 4.8 | 13.6 | 1.2 | 2.6 | 0.1 | 0.0 | T | 22.3 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 7.0 | 11.0 | 2.5 | 4.4 | T | 0.0 | 0.0 | 31.7 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 15.6 | 15.1 | 3.3 | 3.2 | T | 0.0 | 0.0 | 45.3 |
| 1997-98 | 0.0 | 0.0 | 0.0 | T | 5.2 | 5.2 | 2.6 | 0.9 | 2.1 | 0.0 | 0.0 | 0.0 | 16.0 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 21.9 | 7.3 | 12.7 | 0.0 | 0.0 | 0.0 | 42.4 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.1 | 12.2 | 4.7 | 2.5 | 0.2 | 0.0 | 0.0 | 22.7 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 26.0 | 3.2 | 1.9 | 5.2 | T | 0.0 | 0.0 | 37.5 |
| 2001-02 | 0.0 | 0.0 | 0.0 | T | 0.0 | 1.2 | 2.5 | 3.9 | 11.4 | T | 0.0 | 0.0 | 19.0 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 13.6 | 14.1 | 18.8 | 3.7 | 0.5 | 0.0 | 0.0 | 56.4 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 9.3 | 14.0 | 1.1 | 3.9 | T | 0.0 | 0.0 | 29.0 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 10.0 | 27.6 | 6.4 | 7.5 | 4.0 | 0.0 | 0.0 | 56.0 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 21.5 | 1.9 | 1.5 | 1.6 | 0.0 | 0.0 | 0.0 | 31.5 |
| 2006-07 | 0.0 | 0.0 | 0.0 | T | T | 1.6 | 6.7 | 14.2 | 3.6 | 2.4 | 0.0 | 0.0 | 28.5 |
| 2007-08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 10.1 | 6.2 | 23.6 | 17.4 | T | 0.0 | 0.0 | 58.1 |
| 2008-09 | 0.0 | 0.0 | 0.0 | T | 2.4 | 7.0 | 30.7 | 5.2 | 0.1 | 0.5 | 0.0 | 0.0 | 45.9 |
| 2009-10 | 0.0 | 0.0 | 0.0 | 0.0 | T | 7.0 | 8.0 | 24.1 | T | 0.0 | 0.0 | 0.0 | 39.1 |
| 2010- | 0.0 | 0.0 | 0.0 | 0.0 | T | 6.0 | | | | | | | |
| POR= 56 YRS | T | T | T | 0.1 | 2.7 | 8.5 | 10.2 | 8.1 | 5.9 | 1.3 | T | T | 36.8 |

WBAN : 94830

## REFERENCE NOTES :

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).

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).

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.

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.

**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.

# 2010
# TOLEDO
# OHIO (KTOL)

Toledo is located on the western end of Lake Erie at the mouth of the Maumee River. Except for a bank up from the river about 30 feet, the terrain is generally level with only a slight slope toward the river and Lake Erie. The city has quite a diversified industrial section and excellent harbor facilities, making it a large transportation center for rail, water, and motor freight. Generally rich agricultural land is found in the surrounding area, especially up the Maumee Valley toward the Indiana state line.

Rainfall is usually sufficient for general agriculture. The terrain is level and drainage rather poor, therefore, a little less than the normal precipitation during the growing season is better than excessive amounts. Snowfall is generally light in this area, distributed throughout the winter from November to March with frequent thaws.

The nearness of Lake Erie and the other Great Lakes has a moderating effect on the temperature, and extremes are seldom recorded. On average, only fifteen days a year experience temperatures of 90 degrees or higher, and only eight days when it drops to zero or lower. The growing season averages 160 days, but has ranged from over 220 to less than 125 days.

Humidity is rather high throughout the year in this area, and there is an excessive amount of cloudiness. In the winter months the sun shines during only about 30 percent of the daylight hours. December and January, the cloudiest months, sometimes have as little as 16 percent of the possible hours of sunshine.

Severe windstorms, causing more than minor damage, occur infrequently. There are on the average twenty-three days per year having a sustained wind velocity of 32 mph or more.

Flooding in the Toledo area is produced by several factors. Heavy rains of 1 inch or more will cause a sudden rise in creeks and drainage ditches to the point of overflow. The western shores of Lake Erie are subject to flooding when the lake level is high and prolonged periods of east to northeast winds prevail.

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