Station WBAN Number: 14821

Station Name: Columbus

Station Location (State): OH

Station Time Zone: +5(R)

Station Latitude: N 40 degrees 0 minutes

Station Longitude: W 82 degrees 53 minutes

Station elevation above sea level [meters]: 248

File generation date: 2002-07-02 16:28:53

Years present: 1961-1990

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!
! The meteorological Daily Values File "w14821.dvf" has the following format:
!
! Field  Columns   Description            Units                    Type        Format
! -----  --------  ---------------------- ---------------          ---------   ------
!   1        1     blank                  N/A                      Character   1x
!   2     02 - 07  Date                   mmddyy                   Integer     3i2
!   3     08 - 17  Precipitation          cm/day                   Real        f10.2
!   4     18 - 27  Pan Evaporation        cm/day                   Real        f10.2
!   5     28 - 37  Temperature (mean)     degrees Centigrade       Real        f10.1
!   6     38 - 47  Wind Speed @10 meter   cm/second                Real        f10.1
!   7     48 - 57  Solar Radiation        Langleys/day             Real        f10.1
!   8     58 - 63  FAO Short Grass Eto    mm/day                   Real        f6.1
!   9     64 - 73  Daylight Station       kiloPascal               Real        f10.1
!                    Pressure
!  10     74 - 77  Daylight Relative      percent                  Integer     i4
!                    Humidity
!  11     78 - 80  Daylight Opaque        tenths of sky covered    Integer     i3
!                    Sky Cover
!  12     81 - 90  Daylight Temperature   degrees Centigrade       Real        f10.1
!  13     91 - 96  Daylight Broadband     optical depth            Real        f6.3
!                    Aerosol
!  14     97 -102  Daylight Prevailing    meter/second             Real        f6.1
!                    Wind Speed @10 meter
!  15    103 -106  Daylight Prevailing    degrees (N=0, E=90, ...) Integer     i4
!                    Wind Direction
!
! Daily values file format: (1x,3i2, t8,f10.2, t18,f10.2, t28,f10.1, t38,f10.1, &
!                            t48,f10.1, t58,f6.1, t64,f10.1, t74,i4, t78,i3, &
!                            t81,f10.1, t91,f6.3, t97,f6.1, t103,i4)
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!
! Fields 03 - 08 represent daily totals or mean values (Wind Speed and Temperature)
! Fields 03 - 07 units preserved from earlier PRZM met files for compatibility
! Fields 09 - 15 represent mean values for daylight hours only.
!
!
! Hourly values files (*.hnn) contain hourly data for the year 19nn.
! For example, w25501.h65 contains 1965 hourly data for Kodiak, AK.
!
! The hourly values file has a header containing identifying information.
! Example:
!  25501 Kodiak                         AK  +9  N  57 45  W 152 30     5   2002-05-17
22:47:31
!
! Header
! Field  Columns  Description              Type        Format
! -----  -------  ----------------------   ---------   ------
!   1       1     blank                    Character   1x
!   2    02 - 06  WBAN id                  Character   a5
!   3    08 - 37  City where the           Character   a30
!                    station is located.
!   4    39 - 40  State  where the         Character   a2
!                    station is located.
!   5    42 - 44  Time Zone                Character   a3
!
!   6    47 - 54  Latitude of the station
!        47 - 47  N: North of the Equator  Character   a1
!                 S: South
!        48 - 51  Degrees                  Integer     i4
!        53 - 54  Minutes                  Integer     i2
!
!   7    57 - 64  Longitude of the station
!        57 - 57  W: West                  Character   a1
!                 E: East
!        58 - 61  Degrees                  Integer     i4
!        63 - 64  Minutes                  Integer     i2
!
!   8    67 - 70  Station Elevation(meter) Integer     i4
!
!   9    74 - 92  Generation date of the   Character   a19
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!                 file, i.e, yyyy-mm-dd hh:mm:ss
!                 where
!                    yyyy: year
!                    mm: month
!                    dd: day of the month
!                    hh: hour (24-hour clock)
!                    mm: minutes
!                    ss: seconds
!
! Header format: (1x, a5, 1x, a30, 1x, a2, 1x, a3, &
!                2x, a1, i4, 1x, i2, &
!                2x, a1, i4, 1x, i2, &
!                2x, i4, 3x, a19)
!
! Field   Columns   Description            Units                  Type        Format
! -----   ---------  ---------------------- ---------------        ---------   ------
!   1        1      blank                  N/A                    Character   1x
!   2    002 - 011  Date                   yyyy-mm-dd             Integer
i4,1x,i2,1x,i2
!   3    012 - 014  *Hour of the day       Hour                   Integer     i3
!   4    016 - 021  Extraterrestrial       *Wh/m2                 Integer     i5,a1
!                    Horizontal
!                    Radiation (Ra)
!   5    023 - 028  Extraterrestrial       Wh/m2                  Integer     i5,a1
!                    Direct Normal Radiation
!   6    030 - 037  Global Horizontal      Wh/m2                  Integer     i5,a3
!                    Radiation (Rs)
!   7    039 - 046  Direct Normal          Wh/m2                  Integer     i5,a3
!                    Radiation
!   8    048 - 055  Diffuse Horizontal     Wh/m2                  Integer     i5,a3
!                    Radiation
!   9    057 - 059  Total Sky Cover        tenths of sky covered  Integer     i2,a1
!  10    061 - 063  Opaque_Sky_Cover       tenths of sky covered  Integer     i2,a1
!  11    065 - 070  Dry Bulb Temperature   degrees Centigrade     Real        f5.1,a1
!  12    072 - 077  Dew Point Temperature  degrees Centigrade     Real        f5.1,a1
!  13    079 - 082  Relative_Humidity      percent                Integer     i3,a1
!  14    084 - 089  Station_Pressure       *kPa                   Real        f5.1,a1
!  15    091 - 094  Wind_Direction         degrees(N=0,E=90,...)  Integer     i3,a1
!  16    096 - 101  Wind_Speed @10meter    m/s                    Real        f5.1,a1
!  17    103 - 109  Horizontal Visibility  km                     Real        f6.1,a1
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!  18    111 - 117  Ceiling Height         m                      Integer     i6,a1
!  19    119 - 120  Observation Indicator  N/A                    Integer     i1,a1
!  20    122 - 131  Present_weather        N/A                    Character   a9,a1
!  21    133 - 136  Precipitable Water     mm                     Integer     i3,a1
!  22    138 - 144  Broadband Aerosol      Optical_Depth          Real        f6.3,a1
!  23    146 - 150  Snow Depth             cm                     Integer     i4,a1
!  24    152 - 155  Days since last        day                    Integer     i3,a1
!                    Snowfall
!  25    157 - 164  Hourly Precipitation   cm                     Real        f6.2,a2
!  26    166 - 172  Eto, FAO Short Grass   mm/day                 Real        f6.2,a1
!  27    174 - 180  Ep, Class A pan        mm/day                 Real        f6.2,a1
!                     Evaporation
!
! *Hour of the day: The range of the hour of the day is 1h to 25h:
!  1h-24h: line contains data for the hour
!  25: line contains daily values
!
! *Wh/m2: Watt hour meter^-2
!  Watt hour meter^-2 is equivalent to 3.6e-3 MJoule meter^-2
!  Watt hour meter^-2 is equivalent to 8.59845e-02 Langley
!
! *kPa: kiloPascal
! 1 kiloPascal is equivalent to 10 millibar
!
! Fields 26 and 27 represent daily totals. These fields are present
! only when the hour of the day (field 3) is 25.
!
! Generally, each value has one or more character flags associated with it.
!
! Missing values are denoted by '---' in the numeric value field and
! flag values of '-'
!
! Hourly values file format: (1x,i4,1x,i2,1x,i2, i3, t16,i5,a1, t23,i5,a1, &
!                            t30,i5,a3, t39,i5,a3, t48,i5,a3, &
!                            t57,i2,a1, t61,i2,a1, t65,f5.1,a1, t72,f5.1,a1, &
!                            t79,i3,a1, t84,f5.1,a1, t91,i3,a1, t96,f5.1,a1, &
!                            t103,f6.1,a1, t111,i6,a1, t119,i1,a1, t122,a9,a1, &
!                            t133,i3,a1, t138,f6.3,a1, t146,i4,a1, t152,i3,a1, &
!                            t157,f6.2,a2, t166,f6.2,a1, t174,f6.2,a1)
```

!