**Historical Climate Data for CTFS-ForestGEO Sites**

**Data files:**

For each climate variable, monthly, annual, and climatic mean (1980-2014) data are available. Monthly values as extracted from the database. Annual and climatic mean values were computed by Kristina Anderson-Teixeira. File names are as follows:

Monthly data files:

* File name: [xxx].1901.2014.csv
  + xxx- three-letter abbreviation for the climate variable in table below

Annual data files:

* File name: [xxx]\_annual.csv
  + xxx- three-letter abbreviation for the climate variable in table below

Climatic mean data (1980-2014):

* File name: average1980\_2014.csv

|  |  |  |  |
| --- | --- | --- | --- |
| Abbreviation | Description | Units- monthly | Units- annual |
| tmp | Average daily mean temperature | °C | °C |
| tmn | Average daily minimum temperature | °C | °C |
| tmx | Average daily maximum temperature | °C | °C |
| drt | Diurnal temperature range | °C | °C |
| frs | Frost day frequency | days mo-1 | days yr-1 |
| pre | Precipitation | mm mo-1 | mm yr-1 |
| wet | Wet day frequency | days mo-1 | days yr-1 |
| cld | Cloud cover | % | % |
| vap | Vapour pressure | hPa | hPa |
| pet | Average daily potential evapotranspiration (PET) | mm day-1 |  |
| pet\_sum | Potential evapotranspiration (PET) sum (computed) | mm mo-1 | mm yr-1 |

**Data file contents:**

Monthly data:

|  |  |
| --- | --- |
| Column | Description |
| sites.sitename | Site name |
| X[YYYY.MM.DD] | Date |

Annual data:

|  |  |
| --- | --- |
| Column | Description |
| site | Site name |
| YYYY | Year |

Climatic mean data (1980-2014):

|  |  |
| --- | --- |
| Column | Description/ Units |
| site | Site name |
| tmp | 1980-2014 average of this variable (description and units-annual given in table above). |
| tmn | 1980-2014 average of this variable (description and units-annual given in table above). |
| tmx | 1980-2014 average of this variable (description and units-annual given in table above). |
| drt | 1980-2014 average of this variable (description and units-annual given in table above). |
| frs | 1980-2014 average of this variable (description and units-annual given in table above). |
| vap | 1980-2014 average of this variable (description and units-annual given in table above). |
| pet\_sum | 1980-2014 average of this variable (description and units-annual given in table above). |
| pre | 1980-2014 average of this variable (description and units-annual given in table above). |
| wet | 1980-2014 average of this variable (description and units-annual given in table above). |
| cld | 1980-2014 average of this variable (description and units-annual given in table above). |
| Months with PPT<PET | 1980-2014 average of this variable. UNITS: mo/yr |
| Precipitation Seasonality (CV) | 1980-2014 average of this variable. |
| Mean Jan Temperature | 1980-2014 average of this variable. UNITS: °C |
| Mean July Temperature | 1980-2014 average of this variable. UNITS: °C |
| Min T of Coldest month | 1980-2014 average of this variable. UNITS: °C |
| Max T of Warmest month | 1980-2014 average of this variable. UNITS: °C |