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

**Data files:**

For each climate variable, monthly and annual data are available, as are climatic means and interannual variance. 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 means and interannual variance:

* means: average[yyyy]\_2014.csv
  + yyyy- year (1901 or 1980)
* variance: interannual\_variance1901\_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 means and interannual variance (yyyy-2014), where yyyy= 1901 or 1980:

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