

## 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 <sup>-1</sup>	days yr <sup>-1</sup>
pre	Precipitation	mm mo <sup>-1</sup>	mm yr <sup>-1</sup>
wet	Wet day frequency	days mo <sup>-1</sup>	days yr <sup>-1</sup>
cld	Cloud cover	%	%
vap	Vapour pressure	hPa	hPa
pet	Average daily potential evapotranspiration (PET)	mm day <sup>-1</sup>	
pet_sum	Potential evapotranspiration (PET) sum (computed)	mm mo <sup>-1</sup>	mm yr <sup>-1</sup>

**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