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