

CNR1_Cotonou_Parakou

General information

Dataset name: CNR1_Cotonou_Parakou
Dataset DOI: 10.6096/BAOBAB-DACCIWA.1785
Created on: 2019-03-27

Contact(s)

Maranan Marlon - KIT - marlon.maranan@kit.edu (Dataset contact)
Fink Andreas - KIT - Andreas.fink@kit.edu (PI or Lead scientist)

Period

Date begin (yyyy-mm-jj): 2001-06-28
Date end (yyyy-mm-jj): not planned

Project(s)

DACCIWA > WP6 - Precipitative Processes

Data description

Abstract

Radiation measurements at Cotonou and Parakou (Benin) on a 10-minute basis. Time series starts on 28-06-2001 at Cotonou and are ongoing. Measurements at Parakou started on 03-10-2001 and were terminated in mid 2017. For measured and derived variables and general data availability, please refer to the attached meta-information.

Instrument information

Sensor

Instrument type: Radiation Sensors
Model: CNR1 Net radiometer

Sensor resolution

Observation frequency: 10 min

Sensor location

Height above ground (m): 2

Geographic information

Cotonou

Location name:	Cotonou
Platform type:	GROUND-BASED OBSERVATIONS
West bounding coordinate (°):	2.38
East bounding coordinate (°):	2.38
North bounding coordinate (°):	6.35
South bounding coordinate (°):	6.35
Altitude min:	9
Altitude max:	9

Measured parameter

Incoming Solar Radiation

Parameter keyword:	Atmosphere > Atmospheric Radiation > Incoming Solar Radiation
Unit:	Watt per square meter - W.m-2
Sensor precision:	5% of daily totals
Date begin (yyyy-mm-jj):	2001-01-01
Date end (yyyy-mm-jj):	2020-01-01

Derived parameter

Downwelling longwave radiation

Parameter name:	Downwelling longwave radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation
Unit:	Watt per square meter - W.m-2
Date begin (yyyy-mm-jj):	2001-01-01
Date end (yyyy-mm-jj):	2020-01-01

Data use information

Use constraints:	The research leading to these results has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 603502.
Data policy:	DACCIWA data policy
Database:	Dacciwa database
Original data format(s):	Text