

ATR Aerosol OPC - Grimm 1.109

General information

Dataset name: ATR Aerosol OPC - Grimm 1.109
Created on: 2017-03-15

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2016-06-29
Date end (yyyy-mm-jj): 2016-07-16

Project(s)

DACCIWA > WP2 - Air Pollution and Health

Data description

Abstract

aerosol optical size in the range 0.25-25 microns 32 channels

Observing strategy

Instrument connected to the Community Aerosol Inlet in the ATR42

Instrument information

Sensor

Instrument type: Chemical Meters/Analyzers
Manufacturer: GRIMM Technologies Inc.
Model: GRIMM 109

Sensor resolution

Observation frequency: 6 seconds

Geographic information

Aircraft

Location name:	Aircraft
Platform type:	ATR-42
West bounding coordinate (°):	-4
East bounding coordinate (°):	4
North bounding coordinate (°):	10
South bounding coordinate (°):	3
Altitude min:	60
Altitude max:	7000

Measured parameter

Size distribution

Parameter name:	Size distribution
Parameter keyword:	Atmosphere > Aerosols > Aerosol Particle Properties
Unit:	particles/cm ³
Acquisition methodology and quality:	Size distribution 32 channels 0.25 - 25 microns Size equivalent PSL(n=1.59) non-corrected from Refractive index Instrument connected to the Community Aerosol Inlet in the ATR42
Date begin (yyyy-mm-jj):	2016-06-29
Date end (yyyy-mm-jj):	2016-07-16

Data use information

Use constraints:	The research leading to these results has received funding from the European Union 7th Framework Programme (FP7/2007-2013) under Grant Agreement no. 603502 (EU project DACCIWA: Dynamics-aerosol-chemistry-cloud interactions in West Africa).
Data policy:	DACCIWA data policy
Database:	Dacciwa database
Original data format(s):	NASA Ames 1001