

Twin Otter 2DS

General information

Dataset name: Twin Otter 2DS
Created on: 2017-01-31

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2016-07-01
Date end (yyyy-mm-jj): 2016-07-06

Project(s)

DACCIWA > WP4 - Cloud-Aerosol Interactions

Data description

Abstract

2DS data from the BAS Twin Otter during the DACCIWA campaign.

Observing strategy

Measurement of in situ cloud properties in southern West Africa

Instrument information

Sensor

Instrument type: Chemical Meters/Analyzers

Sensor resolution

Observation frequency: 1s

Geographic information

BAS Twin Otter

Location name:	BAS Twin Otter
Platform type:	Twin Otter aircraft
West bounding coordinate (°):	-0.64
East bounding coordinate (°):	2.07
North bounding coordinate (°):	8.04
South bounding coordinate (°):	5.01
Altitude min:	23
Altitude max:	3288

Measured parameter

Cloud Droplet Concentration/Size

Parameter keyword:	Atmosphere > Clouds > Cloud Microphysics > Cloud Droplet Concentration/Size
Unit:	counts per second - counts/s
Acquisition methodology and quality:	Size derived using mean(X,Y) method.
Date begin (yyyy-mm-jj):	2016-07-01
Date end (yyyy-mm-jj):	2016-07-06

Derived parameter

Cloud Droplet Concentration/Size

Parameter keyword:	Atmosphere > Clouds > Cloud Microphysics > Cloud Droplet Concentration/Size
Unit:	Number per cm ³ - cm ⁻³
Acquisition methodology and quality:	Size derived using mean(X,Y) method. Sample area calculated using centre-in method.
Date begin (yyyy-mm-jj):	2016-07-01
Date end (yyyy-mm-jj):	2016-07-06

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):

csv file (comma separated values)