

ATR Aerosol CCNC

General information

Dataset name: ATR Aerosol CCNC
Created on: 2017-05-15

Contact(s)

Denjean Cyrielle - CNRM - cyrielle.denjean@meteo.fr (PI or Lead scientist)
Bourriane Thierry - CNRM - thierry.bourriane@meteo.fr (Dataset contact)

Period

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

Project(s)

DACCIWA > WP4 - Cloud-Aerosol Interactions

Data description

Abstract

Cloud Condensation Nuclei for different fixed supersaturation : 0.25% or 0.15%
Or for a scan of supersaturation between 0.07% and 0.53%

Observing strategy

Instrument connected to the Community Aerosol Inlet in the ATR42

Instrument information

Sensor

Instrument type: Chemical Meters/Analyzers
Manufacturer: The Scripps Research Institute

Sensor resolution

Observation frequency: 1Hz

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

Aerosols

Parameter keyword:	Atmosphere > Aerosols
Unit:	particles/cm ³

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