

AEROCLO-sA PEGASUS particle number concentration

General information

Dataset name: AEROCLO-sA PEGASUS particle number concentration
Dataset DOI: 10.6096/AEROCLO.1770
Created on: 2018-06-18

Contact(s)

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

Period

Date begin (yyyy-mm-jj): 2017-08-20
Date end (yyyy-mm-jj): 2017-09-13

Project(s)

AEROCLO

Data description

Abstract

Total aerosol number concentration measured at the surface level at Henties Bay.

Observing strategy

The total aerosol number concentration was measured by a CPC(TSI model 3775) operated in the PEGASUS mobile lab. Air was taken into the instrument from one of the two custom-built high volume wind-orientable inlet of the mobile station.

Instrument information

Sensor

Instrument type: Chemical Meters/Analyzers
Manufacturer: TSI Incorporated
Model: 3775

Sensor resolution

Observation frequency:	1 second
Vertical coverage:	surface

Sensor location

Longitude (°):	-22.1
Latitude (°):	14.5
Height above ground (m):	2

Geographic information

Henties Bay

Location name:	Henties Bay
Platform type:	GROUND STATIONS

Measured parameter

Aerosol number concentration

Parameter name:	Aerosol number concentration
Parameter keyword:	Atmosphere > Aerosols > Aerosol Particle Properties
Unit:	cm-3
Date begin (yyyy-mm-jj):	2017-08-20
Date end (yyyy-mm-jj):	2017-09-13

Data use information

Use constraints:	The dataset will be publicly released after a two-year embargo period ending on October 2019. Meanwhile, data are made available to associated partners by email request (aeroclo-sc@lisa.u-pec.fr) upon approval by the project scientific steering committee.
Data policy:	AEROCLO data policy