AEROCLO-sA PEGASUS submicron particle number size distribution

General information

Dataset name:	AEROCLO-sA PEGASUS submicron particle number size distribution
Dataset DOI:	10.6096/AEROCLO.1769
Created on:	2018-06-18

Contact(s)

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Period

Date begin (yyyy-mm-jj):	2017-08-22
Date end (yyyy-mm-jj):	2017-09-13

Project(s)

AEROCLO

Data description

Abstract

Aerosol size distribution from 10.9 to 461.4nm measured at the surface level at Henties Bay.

Observing strategy

The aerosol size distribution from 10.9 to 461.4nm was measured by a SMPS (TSI model 3080 + TSI model 3772) 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.
System calibrated in laboratory prior and after the campaign using PSL particles.

Instrument information

Sensor

Instrument type:	Chemical Meters/Analyzers
Manufacturer:	TSI Incorporated
Model:	3080 + 3772
Instrument features / Calibration:	System calibrated in laboratory prior and after the campaign using PSL particles.

Sensor resolution

Observation frequency:	3 minutes
Horizontal coverage:	point measurements
Vertical coverage:	surface

Sensor location

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

Geographic information

Henties Bay

Location name:	Henties Bay
Plateform type:	GROUND STATIONS

Measured parameter

Aerosol size distribution

Parameter name:	Aerosol size distribution
Parameter keyword:	Atmosphere > Aerosols > Aerosol Particle Properties
Unit:	cm-3
Date begin (yyyy-mm-jj):	2017-08-22
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