

# AEROCLO-sA PEGASUS aerosol lidar backscatter and depolarisation vertical profiles

## General information

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Dataset name: AEROCLO-sA PEGASUS aerosol lidar backscatter and depolarisation vertical profiles  
Dataset DOI: 10.6096/AEROCLO.1771  
Created on: 2018-07-11

### Contact(s)

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Formenti Paola - LISA - formenti@lisa.univ-paris12.fr (Dataset contact)

### Period

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Date begin (yyyy-mm-jj): 2017-08-21  
Date end (yyyy-mm-jj): 2017-09-12

### Project(s)

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AEROCLO

## Data description

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### Abstract

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Vertical profile of aerosol backscattering and depolarisation at 355 nm operated as part of the PEGASUS ground-based laboratory

### Observing strategy

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Operated continuously through the field campaign at 1 minute resolution

## Instrument information

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### Sensor

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Manufacturer: Leosphere  
Model: ALS 300

### Sensor resolution

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Observation frequency: Variable  
Horizontal coverage: point measurements

## Sensor location

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Longitude (°):	-22.1
Latitude (°):	14.5

## Geographic information

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### Henties Bay

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Location name:	Henties Bay
Platform type:	GROUND-BASED OBSERVATIONS

## Measured parameter

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### Aerosol Backscatter

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Parameter keyword:	Atmosphere > Aerosols > Aerosol Backscatter
Acquisition methodology and quality:	Aerosol lidar at 355 nm (Leosphere, ALS300)
Date begin (yyyy-mm-jj):	2017-08-21
Date end (yyyy-mm-jj):	2017-09-12

## Derived parameter

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### Aerosol Backscatter

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Parameter keyword:	Atmosphere > Aerosols > Aerosol Backscatter
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## Data use information

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Use constraints:	The Principal Investigator(s) of the lidar data for the AEROCLO-sA campaign is Paola Formenti. If you intend to use the following data please consult with her via e-mail: <a href="mailto:paola.formenti@lisa.u-pec.fr">paola.formenti@lisa.u-pec.fr</a> . Please consider authorship for the PI whenever using the data.
Data policy:	AEROCLO data policy
Original data format(s):	ascii text