

AEROCLO-sA PEGASUS surface meteorology

General information

Dataset name: AEROCLO-sA PEGASUS surface meteorology
Dataset DOI: 10.6096/AEROCLO.1808
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Contact(s)

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Period

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

Project(s)

AEROCLO

Data description

Abstract

A compact weather station (Cimel Electronique, models CE155N, CE157N, BA711, France) is installed on top of an extendable mast to measure the meteorological parameters at a height of up to 10 m above roof level.

Observing strategy

Wind speed and direction ambient temperature, relative humidity, and ambient pressure, are measured with one second time resolution.

References

Formenti, P., B. D'Anna, C. Flamant, M. Mallet, S.J. Piketh, K. Schepanski, F. Waquet, F. Auriol, G. Brogniez, F. Burnet, J. Chaboureau, A. Chauvigné, P. Chazette, C. Denjean, K. Desboeufs, J. Doussin, N. Elguindi, S. Feuerstein, M. Gaetani, C. Giorio, D. Klopper, M.D. Mallet, P. Nabat, A. Monod, F. Solmon, A. Namwoonde, C. Chikwililwa, R. Mushi, E.J. Welton, and B. Holben, 2019: The Aerosols, Radiation and Clouds in Southern Africa Field Campaign in Namibia: Overview, Illustrative Observations, and Way Forward. *Bull. Amer. Meteor. Soc.*, 100, 1277-1298, <https://doi.org/10.1175/BAMS-D-17-0278.1>

Instrument information

Sensor

Instrument type:	Temperature/Humidity Sensors
Manufacturer:	CIMEL
Model:	CE155N/CE157N/BA711

Sensor location

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

Geographic information

Henties Bay

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

Measured parameters

Surface Temperature

Parameter keyword:	Atmosphere > Atmospheric Temperature > Surface Temperature
Unit:	Degrees Celsius - °C

Wind Direction

Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees North - degree

Wind Speed

Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Speed
Unit:	meter per second - m/s

Relative humidity

Parameter name:	Relative humidity
Parameter keyword:	Atmosphere
Unit:	percent - %

Data use information

Use constraints:	The Principal Investigator(s) of the AEROCLO-sA campaign is Paola Formenti. If you intend to use the following data please contact her by e-mail: paola.formenti@lisa.ipsl.fr . Data were acquired with the support of Anaïs Feron (LISA) and of the Technical Department of the LISA. The LISA (www.lisa.u-pec.fr) is a joint research unit of the CNRS, University Paris-Est Créteil and University of Paris).
Data policy:	AEROCLO data policy
Database:	AEROCLO-sA on BAOBAB
Original data format(s):	ascii text