

OS.Flu_SAG - Atmospheric turbulence parameters, EGEE cruises, Gulf of Guinea

General information

Dataset name: OS.Flu_SAG - Atmospheric turbulence parameters, EGEE cruises, Gulf of Guinea

Created on: 2006-01-10

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-05-29

Date end (yyyy-mm-jj): 2006-07-05

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

urbulence measurements in the atmospheric boundary layer along the ship trajectory to calculate the air-sea fluxes with inertio-dissipation and eddy correlation methods. These measurements are associated with mean atmospheric parameters measurements (see other instrumental form). The Drakkar radiometer will perform integrated water vapour and liquid vapour content measurement and the SRM 450 pluviometer (Hasse system) and the spectro-pluviometer (CETP) will perform measurements for estimating the cooling associated with precipitations

Observing strategy

Continuous measurements of ocean-atmosphere conditions in the Gulf of Guinea with a sonic anemometer and a refractometer to get temperature and humidity at 50 Hz and a motion package for ship movement . Same for Drakkar and spectopluiometer

Instrument information

Sensor

Instrument type:	Radiometers
Manufacturer:	CETP
Model:	DRAKKAR

Geographic information

L'ATALANTE

Location name:	L'ATALANTE
Platform type:	SHIPS
West bounding coordinate (°):	-10.0344
East bounding coordinate (°):	11.1975
North bounding coordinate (°):	6.3422
South bounding coordinate (°):	-10.0328

Measured parameters

Water Vapor

Parameter keyword:	Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Water Vapor
Unit:	kilograms per square meter
Date begin (yyyy-mm-jj):	2006-05-29
Date end (yyyy-mm-jj):	2006-07-05

Cloud Liquid Water

Parameter name:	Cloud Liquid Water
Parameter keyword:	Atmosphere > Clouds
Unit:	kilograms per square meter
Date begin (yyyy-mm-jj):	2006-05-29
Date end (yyyy-mm-jj):	2006-07-05

Data use information

Use constraints:	AMMA data policy
Data policy:	AMMA data policy