OS.Mat_SAG - Air and interface flux measurements, EGEE cruises, Gulf of Guinea

General information

Dataset name:	OS.Mat_SAG - Air and interface flux measurements, EGEE cruises, Gulf of Guinea
Created on:	2006-01-10

Contact(s)

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Period

Date begin (yyyy-mm-jj):	2006-05-26
Date end (yyyy-mm-jj):	2006-07-05

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Measurements of the atmospheric boundary layer condtions along the ship trajectory to calculate the air-sea fluxes with bulk method. These measurements are associated with turbulent measurements t directly measure the interface fluxes (see other instrumental fiche)

Observing strategy

Continuous measurements of ocean-atmosphere conditions in the Gulf of Guinea..

Site information

Location name:	Gulf of Guinea
Plateform type:	SHIPS
West bounding coordinate (°):	-10.0375
East bounding coordinate (°):	11.1974
North bounding coordinate (°):	6.3486
South bounding coordinate (°):	-10.032

Instrument 1 (BAROMETERS)

Sensor

Instrument type:	BAROMETERS
Manufacturer:	Vaisala
Model:	PTB220

Measured parameter: Sea Level Pressure

Parameter name:	Sea Level Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure > Sea Level Pressure

Instrument 2 (Temperature/Humidity Sensors)

Sensor

Instrument type:	Temperature/Humidity Sensors
Manufacturer:	Campbell
Model:	HMP233

Measured parameter: Air Temperature

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

Measured parameter: Humidity

Parameter keyword:	Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity
Unit:	percent - %

Instrument 3 (PYRGEOMETERS)

Sensor

Instrument type:	PYRGEOMETERS
Manufacturer:	Kipp & Zonen

Measured parameter: Incoming longwave radiation

Parameter name:	Incoming longwave radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation > Longwave Radiation
Unit:	Watt per square meter - W.m-2

Measured parameter: Outgoing Longwave Radiation

Parameter keyword:	Atmosphere > Atmospheric Radiation > Outgoing Longwave Radiation
Unit:	Watt per square meter - W.m-2

Instrument 4 (PYRANOMETERS)

Sensor

Instrument type:	PYRANOMETERS
Manufacturer:	Kipp & Zonen

Measured parameter: Outgoing Shortwave Radiation

Parameter name:	Outgoing Shortwave Radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation > Shortwave Radiation
Unit:	Watt per square meter - W.m-2

Measured parameter: Incoming Shortwave Radiation

Parameter name:	Incoming Shortwave Radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation > Shortwave Radiation
Unit:	Watt per square meter - W.m-2

Instrument 5 (ANEMOMETERS)

Sensor

Instrument type:	ANEMOMETERS
Manufacturer:	Young
Model:	05106

Measured parameter: Wind Speed

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

Measured parameter: Wind Direction

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

Instrument 6 (Thermometers)

Sensor

Instrument type:	Thermometers

Measured parameter: Sea Surface Temperature

Parameter keyword:	Oceans > Ocean Temperature > Sea Surface Temperature
Unit:	Degrees Celsius - °C

Data use information

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