OE.Navire_GG - Air and ocean parameters from EGEE cruises, Gulf of Guinea

General information

Dataset name:	OE.Navire_GG - Air and ocean parameters from EGEE cruises, Gulf of Guinea
Created on:	2006-01-09

Contact(s)

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Period

Date begin (yyyy-mm-jj):	2005-05-24
Date end (yyyy-mm-jj):	2007-09-27

Project(s)

AMMA > AMMA-EOP

Data description

Abstract

Documentation of the hydrological structure and of the circulation in the upper and intermediate layers of the Equatorial Atlantic Ocean, and more especially the Gulf of Guinea. Analysis of the oceanic currents, water masses, the mixed layer and surface conditions.

Observing strategy

During the oceanographic EGEE/AMMA cruises, and eventually during other cruises of associated scientific programmes in the area (eg PIRATA), Analysis (salinity, oxygen, nutrients) of sea water from water samples taken during stations thanks to hydrological bottles, current measurements with a VM-ADCP (vessel mounted) and L-ADCP (on the bathysonde during stations), measurements of surface temperature and salinity (with the vessel thermosalinograph), and meteorological measurements (vessel station) and precise precipitation measurements during dedicated cruises.

During EGEE cruises, along 10°W, along 2°50'E, from Cotonou to 10°W-10°W and along 6°S

Site information

Location name:	Gulf of Guinea
Plateform type:	SHIPS
West bounding coordinate (°):	-18.093
East bounding coordinate (°):	11.204
North bounding coordinate (°):	14.4825
South bounding coordinate (°):	-10.0334
Altitude min:	-2015

Instrument 1 (Thermometers)

Sensor

Instrument type:	Thermometers
Manufacturer:	Sea-Bird
Model:	SBE 38

Measured parameter: Sea Surface Temperature

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

Instrument 2 (THERMOSALINOGRAPHS)

Sensor

Instrument type:	THERMOSALINOGRAPHS
Manufacturer:	Sea-Bird
Model:	SBE 21

Measured parameter: Sea Surface Temperature

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

Measured parameter: Conductivity

Parameter keyword:	Terrestrial Hydrosphere > Water Quality/Water Chemistry > Conductivity
Unit:	millimoles per cubic meter - mmol/m3

Measured parameter: Density

Parameter keyword:	Oceans > Salinity/Density > Density
Unit:	kilogramms per cubic meter - kg/m3

Measured parameter: Salinity

Parameter keyword:	Oceans > Salinity/Density > Salinity
Unit:	Practical Salinity Unit - P.S.U.

Instrument 3 (Acoustic Sounders > ECHO SOUNDERS)

Sensor

Instrument type:	Acoustic Sounders > ECHO SOUNDERS
Manufacturer:	Simrad
Model:	EM 12 Dual / EA 500

Measured parameter: Water Depth

Parameter keyword:	Terrestrial Hydrosphere > Surface Water > Water Depth
Unit:	meters

Measured parameter: Sea Surface Topography

Parameter keyword:	Oceans > Sea Surface Topography

Instrument 4

Sensor

Manufacturer:	Météo-France
Model:	Batos

Measured parameter: Air Pressure

Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure
Unit:	millibars - mbar

Measured parameter: Air Temperature

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

Measured parameter: Dew Point Temperature

Parameter keyword:	Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Dew Point Temperature
Unit:	Degrees Celsius - °C

Measured parameter: Humidity

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

Measured parameter: Incoming Solar Radiation

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

Measured parameter: Wind Direction

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

Measured parameter: Wind Speed

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

Measured parameter: Silicate

Parameter keyword:	Oceans > Ocean Chemistry > Silicate
Unit:	millimoles per cubic meter - mmol/m3

Measured parameter: Nitrate

Parameter keyword:	Oceans > Ocean Chemistry > Nitrate
Unit:	millimoles per cubic meter - mmol/m3

Measured parameter: Northward current velocity

Parameter name:	Northward current velocity
Parameter keyword:	Oceans > Ocean Circulation
Unit:	meter per second - m/s

Measured parameter: Phosphate

Parameter keyword:	Oceans > Ocean Chemistry > Phosphate
Unit:	milligramm per cubic meter - mg/m3

Measured parameter: Nitrite

Parameter keyword:	Oceans > Ocean Chemistry > Nitrite

Measured parameter: Upward current velocity

Parameter name:	Upward current velocity
Parameter keyword:	Oceans > Ocean Circulation
Unit:	meters per second - m/s

Measured parameter: Eastward current velocity

Parameter name:	Eastward current velocity
Parameter keyword:	Oceans > Ocean Circulation
Unit:	meter - m

Data use information

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