

OE.CTD_GG - Hydrological profiles during EGEE cruises, Gulf of Guinea

General information

Dataset name: OE.CTD_GG - Hydrological profiles during EGEE cruises, Gulf of Guinea
Created on: 2006-01-09

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2005-06-08
Date end (yyyy-mm-jj): 2007-09-24

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 water masses and of the mixed layer. Reduced profiles transmitted in quasi-real time (CORIOLIS) and also for quasi-real time assimilation in the numerical models for previsions (MERCATOR).

Observing strategy

During the oceanographic EGEE/AMMA cruises, and eventually during other cruises of associated scientific programmes in the area (eg PIRATA).

Principally along the meridional sections at 10W, 3E. During EGEE cruises, at least every 0,5° along 10°W (from 10°W to 1°30'N), along 2°50'E (from 6°S to 6°N) and along 6°S (from 2°50'E to 11°E).

Measurements every 1m from the surface to 1000m depth at each profile (55 profiles during EGEE 1).

Instrument information

Sensor

| | |
|------------------|--|
| Instrument type: | CTD > Conductivity, Temperature, Depth |
| Manufacturer: | Sea-Bird Electronics |
| Model: | SBE03 / SBE04 |

Geographic information

Gulf of Guinea

| | |
|--------------------------------|----------------|
| Location name: | Gulf of Guinea |
| Platform type: | SHIPS |
| West bounding coordinate (°): | -14.3823 |
| East bounding coordinate (°): | 11.1722 |
| North bounding coordinate (°): | 7.467 |
| South bounding coordinate (°): | -10.0312 |

Measured parameters

Water Temperature

| | |
|--------------------------|---|
| Parameter name: | Water Temperature |
| Parameter keyword: | Terrestrial Hydrosphere > Water Quality/Water Chemistry > Water Temperature |
| Unit: | Degrees Celsius - °C |
| Date begin (yyyy-mm-jj): | 2005-06-08 |
| Date end (yyyy-mm-jj): | 2007-09-24 |

Water Pressure

| | |
|--------------------------|--|
| Parameter name: | Water Pressure |
| Parameter keyword: | Terrestrial Hydrosphere > Surface Water > Water Pressure |
| Unit: | decibar |
| Date begin (yyyy-mm-jj): | 2005-06-08 |
| Date end (yyyy-mm-jj): | 2007-09-24 |

Fluorimetry

| | |
|--------------------------|------------------------------------|
| Parameter name: | Fluorimetry |
| Parameter keyword: | Oceans > Ocean Chemistry |
| Unit: | milligramm per cubic meter - mg/m3 |
| Date begin (yyyy-mm-jj): | 2005-06-08 |
| Date end (yyyy-mm-jj): | 2007-09-24 |

Salinity

| | |
|--------------------------|--------------------------------------|
| Parameter name: | Salinity |
| Parameter keyword: | Oceans > Salinity/Density > Salinity |
| Unit: | Practical Salinity Unit - P.S.U. |
| Date begin (yyyy-mm-jj): | 2005-06-08 |
| Date end (yyyy-mm-jj): | 2007-09-24 |

CTD Oxygen

| | |
|--------------------------|--|
| Parameter name: | CTD Oxygen |
| Parameter keyword: | Oceans > Ocean Chemistry |
| Unit: | micromol per kilogramm - $\mu\text{mol.kg}^{-1}$ |
| Date begin (yyyy-mm-jj): | 2005-06-08 |
| Date end (yyyy-mm-jj): | 2007-09-24 |

Data use information

| | |
|------------------|------------------|
| Use constraints: | AMMA data policy |
| Data policy: | AMMA data policy |