

URASHIMA URSM 00170 Submersible Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2021-09-04

ReadMe

Dive No.: **URSM 00170**

Submersible Conductivity-Temperature-Depth Profiler (CTD): Raw

Data Policy: **JAMSTEC**

Observation Items: Depth/Pressure, Temperature, Salinity

Science Keywords:

OCEANS > OCEAN > WATER
TEMPERATURE TEMPERATURE
OCEANS > SALINITY/DENSITY > SALINITY

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/YK14-10_all.pdf

For Using Data

Principal Investigator

Data Management Office

Use Constraints

See [Terms and Conditions](#) about constrain of use.

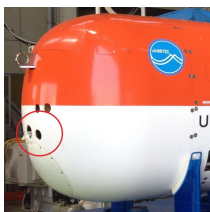
Data Citation

See [Terms and Conditions](#) about data citation.

Instrument

Instrument:

CTD measurement system equipped on
the autonomous underwater vehicle
"URASHIMA"



Overview

The CTD system mounted on the deep-sea cruising vehicle "URASHIMA" is consisted of SBE-49 FastCAT CTD Sensor of Sea-Bird Electronics, Inc. The primary detection element is installed vertically on the front center part of the vehicle. Its withstand depth is 7000m and its maximum depth of use is 3500m. Each parameter of conductivity, water temperature, and pressure can be measured in 1Hz and is transmitted to the CTD processing part. In the processing part, ASCII conversion is conducted.

Specifications

SBE-49 FastCAT, Sea-Bird Electronics, Inc.

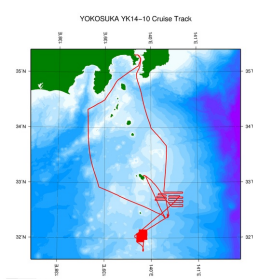
Sensor	Measurement range	Accuracy	Model
Temperature	-5 to +35 deg-C	0.002 deg-C	SBE 49
Conductivity	0 to 9 S/m	0.0003 S/m	
Pressure	0 to 10000 psia	0.1% of full scale range	

About this data

We have no plan to process the data due to equipment failure etc.
Please refer to the "Contact Us" if you wish to use the raw data.

Related Information

[Cruise Data](#) [Dive Data](#)



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YK14-10

Ship Name: YOKOSUKA

Period: 2014-06-13 - 2014-06-18

Chief Scientist: Tamaki Ura (Kyushu Institute of Technology)

Proposal ▶ AUV-based near bottom magnetic survey for uncovering the correlation between magnetic anomalies and submarine hydrothermal activities

Update History

2021-09-04 An observation data was registered.
2018-10-31 An observation data was registered.

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SHINSEI MARU
HAKUHO MARU

6K Camera DEEP TOW
6K Sonar DEEP TOW
KM-ROV
POWER GRAB
SAMPLER (SHELL)
POWER GRAB
SAMPLER (CLOW)
BMS

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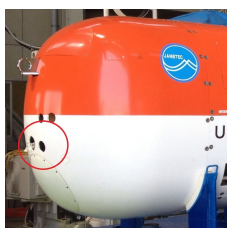
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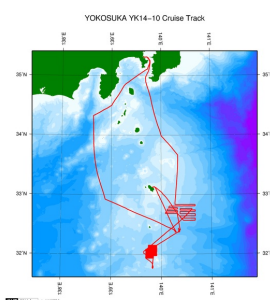
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Related Information

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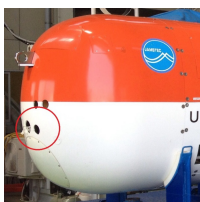
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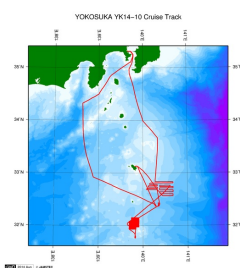
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