

## URASHIMA URSM 00111 Submersible Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2021-09-04

**ReadMe**

Dive No.: **URSM 00111**

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/YK10-06\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/YK10-06_all.pdf)

**For Using Data**

**Principal Investigator**

Data Management Office

**Use Constraints**

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

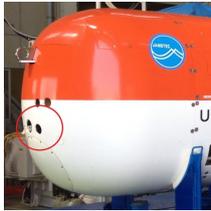
**Data Citation**

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.

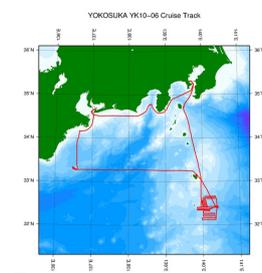
Sensor	Measurement range	Accuracy	Model
Temperature	-5 to +35 deg-C	0.002 deg-C	SBE 49
Conductivity	0 to 9 S/m	0.0003 S/m	
Pressure	0 to 10000 psia	0.1% of full scale range	

**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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**YK10-06**

Ship Name: YOKOSUKA  
Period: 2010-06-13 - 2010-06-20  
Chief Scientist: Kan Aoike (JAMSTEC)  
Project Name: [Site Survey for IODP Expedition]

**Update History**

2021-09-04 An observation data was registerd.  
2018-09-30 An observation data was registerd.

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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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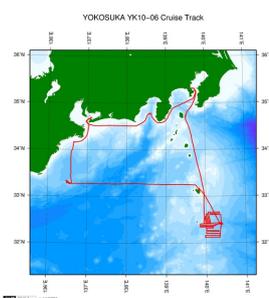
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### Related Information

Cruise Data  Dive Data



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Chief Scientist: Kan Aoike (JAMSTEC)  
Project Name: [Site Survey for IODP Expedition]

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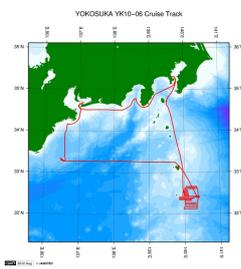
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