

YOKOSUKA YK14-21 Anisotropy of Magnetic Susceptibility, Paleomagnetism, Grain Size, Thermal Conductivity

Last Modified: 2017-01-31

[ReadMe](#) [Observation Data](#)

Cruise ID: [YK14-21](#)

Anisotropy of Magnetic Susceptibility, Paleomagnetism, Grain Size, Thermal Conductivity : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

We measured AMS and Pmag using 7 cc cube samples and grain size using samples dispersed by hotwater. AMS (Km, L, F, P, Pj, K1declination, K1inclination, K2dec, K2inc, K3dec, K3inc), Pmag (Sample ID is same as that of AMS, inclination, declination, intensity, alternating demagnetization; gauss), Grain Size (accumulation values of weight % in each grain size (unit, micronmeter))

Thermal conductivity was measured on split cpre samples.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/YK14-21_all.pdf

For Using Data

Principal Investigator

Kiichiro Kawamura (Yamaguchi University), Makoto Yamano (Earthquake Research Institute, University of Tokyo)

Use Constraints

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

Data Citation

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

Instrument

Instrument:

Kappabridge KLY-4 (AMS), 2G

(Pmag), Master sizer 2000 (Grain

size), Box-probe type thermal

conductivity meter

Instrument Information:

Instruments for measurements of

AMS, Pmag and grain size are in

Kochi Core Center.

QTM-500 (Kyoto Electronics

Manufacturing Co.) was used for

thermal conductivity measurement.



Sample

Core samples by piston corer

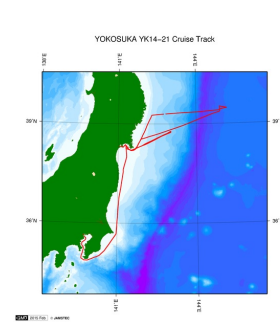
Sample ID

YK14-21 PC01, PL01

Data Format

Microsoft Excel file

Related Information



[Enlarge Image](#)

YK14-21

Ship Name: YOKOSUKA

Period: 2014-12-15 - 2014-12-24

Chief Scientist: Makoto Yamano (The University of Tokyo)

Proposal Studies of fracturing and pore fluid circulation in the oceanic crust subducting along the Japan

Title: Trench through heat flow and electromagnetic surveys

Update History

2017-01-31 An observation data was registerd.

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YOKOSUKA
MIRAI
KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

Information of the Submersibles
KAIKO
SHINKAI 2000
SHINKAI 6500
DEEP TOW
HYPER-DOLPHIN
URASHIMA
YOKOSUKA DEEP TOW
6K Camera DEEP TOW
6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER (SHELL)
POWER GRAB SAMPLER (CLOW)
BMS

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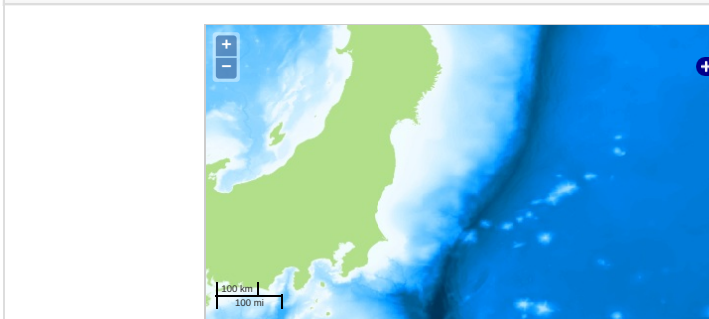
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Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



Imagery reproduced from ...

... Observation Line ... Navigation ... Observation, Dive Point, Hole

Data List

[Add to Basket](#)

File names

☐ YK14-21_AMS.xls

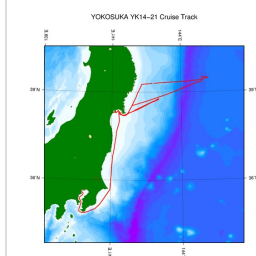
☐ YK14-21_GS.xls

☐ YK14-21_Pmag.xls

☐ YK14-21_SamplingSites.xls

☐ YK14-21_TC.xls

Related Information



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