

## MIRAI MR14-04 Leg2 Doppler Radar

Last Modified: 2016-11-23

### ReadMe

Cruise ID: [MR14-04 Leg2](#)

Doppler Radar: Raw

Data Policy: [JAMSTEC](#)

Observation Items: Reflectivity, Doppler velocity

Science Keywords:

ATMOSPHERE	> PRECIPITATION	
ATMOSPHERE	> CLOUDS	
ATMOSPHERE	> ATMOSPHERIC WINDS	
SPECTRAL/ENGINEERING	> RADAR	> DOPPLER VELOCITY
SPECTRAL/ENGINEERING	> RADAR	> RADAR REFLECTIVITY

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR14-04\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR14-04_leg1-2_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:

Doppler radar (MR14-04 Leg1 -)



### Specifications

#### Doppler radar

Manufacturer/model:	Toshiba Co., Japan/ TW4419A
Pulse configuration :	Using pulse-compression
Frequency:	5370MHz (C-band)
Transmitter:	Solid-state transmitter
Polarimetry:	Horizontal and vertical
Peak power:	6kW(H) + 6kW(V)
Antenna diameter	4m
Beam angle:	1.0degree
Location (from sea surface):	24m (center position of antenna)

#### Inertial navigation system

Manufacturer/model:	iXBlue SAS, France / PHINS
Location (from sea surface):	21m

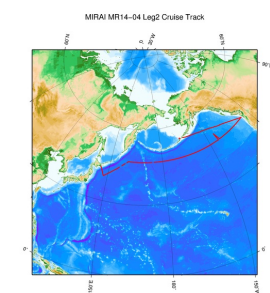
### Parameter

In this cruise, the parameter was changed accordingly for system test and adjustment.

### About this data

If you need the raw data set, please refer to "Contact Us" above.

### Related Information



#### MR14-04 Leg2

Ship Name: MIRAI

Period: 2014-07-17 - 2014-08-29

Chief Scientist: Hiroshi Uchida (JAMSTEC)

Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

Proposal ▶ Heat and material transport and their changes in the ocean general circulation

Title:

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Update History	
2016-11-23	An observation data was registerd.

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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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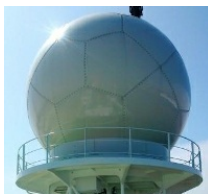
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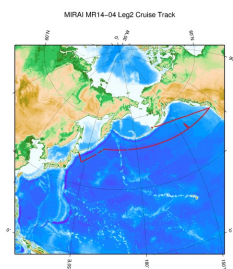
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Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]  
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POWER GRAB  
SAMPLER (SHELL)  
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SAMPLER (CLOW)  
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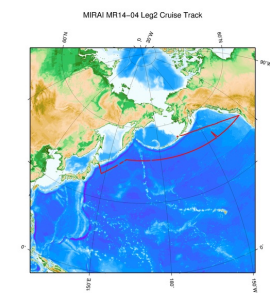
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