

## MIRAI MR11-05 Leg1 Cs-134 and Cs-137 radioactivity of sea waters

Last Modified: 2014-02-28

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

Cruise ID: [MR11-05 Leg1](#)

Cs-134 and Cs-137 radioactivity of sea waters : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Cs-134 and Cs-137 radioactivity of sea waters (decay correction to sampling date)

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR11-05\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR11-05_leg1-2_all.pdf)

### For Using Data

#### Principal Investigator

Seiya NAGAO (Institute of Nature and Environmental Technology, Kanazawa University)

#### Use Constraints

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

#### Data Citation

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

### Instrument

Instrument:

coaxial Ge detector

Instrument Information:

Cs-134 and Cs-137 were concentrated onto ammonium molybdophosphate (AMP) for 20 l of raw river waters. The radioactivity of Cs-134 and Cs-137 was measured for the AMP/Cs compound using gamma-ray spectrometry with low background Ge detectors (GEM-251855 of ORTEC® and other similar models) equipped with a multichannel analyzer (Model 7700 of SEIKO EG&G Co. Ltd. and other similar models). The cascade summing effect was corrected for Cs-134 using a Fukushima contaminated soil sample. Decay correction of radioactive concentration for Cs-134 and Cs-137 was done at each sampling date.



### Sample

Seawater

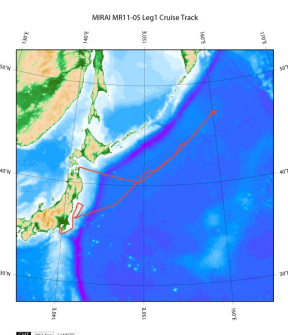
### Sample ID

MR11-05 Seawater Radioactivity

### Data Format

Excel format

### Related Information



#### MR11-05 Leg1

Ship Name: MIRAI

Period: 2011-06-26 - 2011-07-16

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station KNOT]

Proposal ▶ Effects of meso-zooplankton on food web and vertical flux

Title:

 [Enlarge Image](#)

#### Update History

2014-02-28	An observation data was registerd.
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#### Lists

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#### Information of the Ships

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[KAIYO](#)  
[YOKOSUKA](#)  
[MIRAI](#)  
[KAIREI](#)  
[CHIKYU](#)  
[KAIMEI](#)  
[SHINSEI MARU](#)  
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#### Information of the Submersibles

[KAIKO](#)  
[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
[HYPER-DOLPHIN](#)  
[URASHIMA](#)  
[YOKOSUKA DEEP TOW](#)  
[6K Camera DEEP TOW](#)  
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#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

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**JAMSTEC**  
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

国立研究開発法人  
海洋研究開発機構

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

Cruise ID: [MR11-05 Leg1](#)

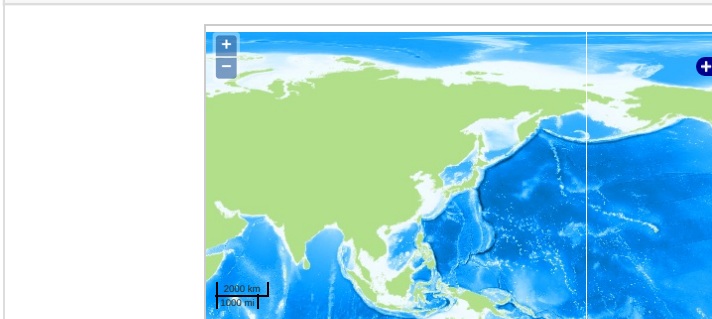
Cs-134 and Cs-137 radioactivity of sea waters Processed (P1)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



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

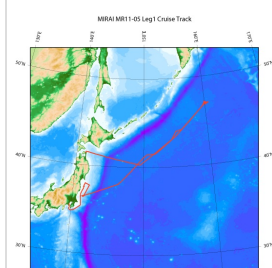
### Data List

[Add to Basket](#)

#### File names

☐ MR1105Data.xlsx

### Related Information



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#### MR11-05 Leg1

Ship Name: MIRAI

Period: 2011-06-26 - 2011-07-16

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station KNOT]

Proposal: ▶ Effects of meso-zooplankton on food web and vertical flux

Title:

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