MIRAI MR11-05 Leg2 Cs-134 and Cs-137 radioactivity of sea waters

Last Modified: 2014-03-06

ReadMe | Observation Data

Cruise ID: MR11-05 Leg2
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

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.

NO IMAGE

Sample

Seawater

Sample ID

MR11-05 Seawater Radioactivity

Data Format

Excel format

Related Information

MR11-05 Leg2
Ship Name: MIRAI
Period: 2011-07-17 - 2011-08-04
Chief Scientist: Makio Honda (JAMSTEC)
Project Name: [Station S1,Station KEO]
Proposal Title: ▶ Change in material cycles and ecosystem by the climate change and its feedback

Enlarge Image

Update History

2014-03-06	An observation data was registerd.
2014-02-28	An observation data was registerd.

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Science Keywords:

Observation Map

Imagery reproduced from ...

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

Data List

Add to Basket

	File names
☐	MR1105Data.xlsx

Related Information

Enlarge Image

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