

MIRAI MR08-05 Radon concentration in air and sea water

Last Modified: 2012-10-27

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

Cruise ID: [MR08-05](#)

Radon concentration in air and sea water : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Hourly concentratons of Rn-222 in air samled from the inlet (12.5m asl) on the front mast and in sea water sampled from the depth of 4.5 m. In the data processing, recalibration of the radon detectors was made. Erronous data were also excluded by judging from the flow rate and humidity of air through the radon monitors.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR08-05_all.pdf

For Using Data

Principal Investigator

Hiromi Yamazawa (Graduate School of Engineering, Nagoya University)

Use Constraints

None

Data Citation

None

Instrument

Instrument:

High-sensitivity radon monitors
(electrostatic type)

Instrument Information:

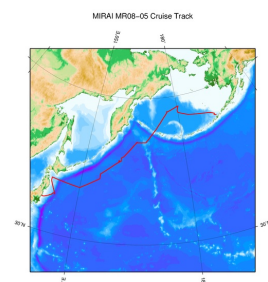
The high-sensitivity radon monitor used is of a electrostaic type with a vessel volume of 70 L, in which Rn-222 atoms in the sample air decays into Po-218 atoms to be collected onto a negactively charged electrode. Alfa particles emitted from Po-218 and its decay products are detected nenergy-sensitive PIN photodiode to determine Rn-222 concentration.



Data Format

An EXCEL file containing a self-explanatory table of time seris data

Related Information



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MR08-05

Ship Name: MIRAI

Period: 2008-10-11 - 2008-11-07

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station KNOT]

Proposal ▶ The study of ecosystem and materials' cycle in the North Pacific

Title:

Update History

2012-10-27 An observation data was registered.

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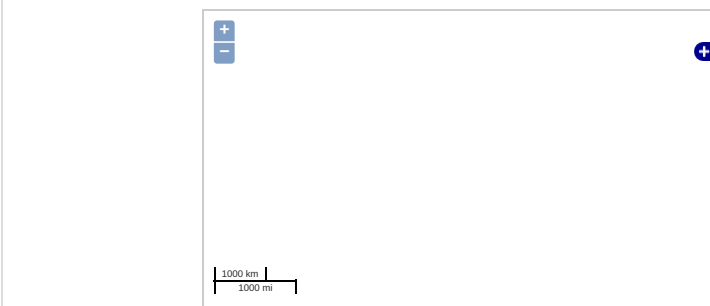
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Observation Items:

Science Keywords:

Observation Map



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

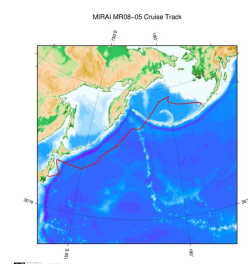
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File names

MR08-04_05_Radon_Concentration.xls

Related Information



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MR08-05

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