MIRAI MR08-04 Radon concentration in air and sea water

Last Modified: 2012-10-27

ReadMe | Observation Data

Cruise ID: MR08-04

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 fromt 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/MR08-04_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 sensiteve PIN photodiode to determine Rn-222 concentration.

Data Format

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

Related Information

Enlarge Image

MR08-04
Ship Name: MIRAI
Period: 2008-08-15 - 2008-10-09
Chief Scientist: Koji Shimada (JAMSTEC)
Project Name: [Arctic Ocean Climate System Reaserch]
Proposal R/V Mirai International Polar Year 2008 cruise
Title:

Update History

2012-10-27	An observation data was registerd.

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Observation Map

Imagery reproduced from ...

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

Data List

Add to Basket

File names
MR08-04_05_Radon_Concentration.xls

Related Information

Enlarge Image

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