

MIRAI MR11-02 MAX-DOAS data

Last Modified: 2013-03-31

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

Cruise ID: [MR11-02](#)

MAX-DOAS data: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

MAX-DOAS (Multi-Axis Differential Optical Absorption Spectroscopy) is a technique measuring UV/Visible hyperspectra of scattered sunlight at several different elevation angles. The raw spectra are analyzed based on the DOAS method to derive the differential slant column density (DSCD) of the oxygen collision complex (O₂-O₂ or O₄) and NO₂, using QDOAS software (<http://uv-vis.aeronomie.be/software/QDOAS/>).

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR11-02_all.pdf

For Using Data

Principal Investigator

Hisahiro TAKASHIMA (Research Institute for Global Change (RIGC), Environmental Biogeochemical Cycle Research Program (EBCRP), Atmospheric Composition Research Team)

Use Constraints

Since MAX-DOAS is a remote sensing technique, further improvement in data quality is anticipated. It is recommended to contact the above investigator before use for publication.

Data Citation

Since MAX-DOAS is a remote sensing technique, further improvement in data quality is anticipated. It is recommended to contact the above investigator before use for publication.

Instrument

Instrument:

MAX-DOAS (Multi-Axis Differential Optical Absorption Spectroscopy)

Instrument Information:

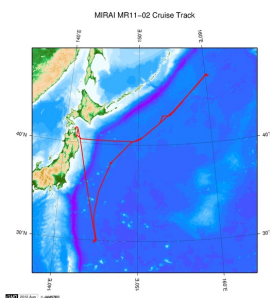
Daytime data only. The measured spectra were selected with a criterion for the elevation angle to be within $\pm 0.2^\circ$ of the target elevation angle and averaged every 1 minute.



Data Format

Text format. See the header of the data files for more details.

Related Information



[Enlarge Image](#)

MR11-02

Ship Name: MIRAI

Period: 2011-02-11 - 2011-03-09

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station S1, Station KEO]

Proposal Title: Studies on the microbial-geochemical processes that regulate the operation of the biological pump in the subarctic and subtropical regions of the western North Pacific

Update History

2013-03-31 An observation data was registered.

[Data Policy](#)

[Data Tree](#)

[KAIREI](#)

[DEEP TOW](#)

[Go to a Dive Information](#)

[What's New](#)

[Detailed Search](#)

[CHIKYU](#)

[HYPER-DOLPHIN](#)

Dive ID:

[Update History](#)

[KAIMEI](#)

[URASHIMA](#)

[Feeds](#)

[SHINSEI MARU](#)

[YOKOSUKA DEEP TOW](#)

[6K Camera DEEP TOW](#)

[6K Sonar DEEP TOW](#)

[KM-ROV](#)

[POWER GRAB SAMPLER](#)

[\(SHELL\)](#)

[POWER GRAB SAMPLER](#)

[\(CLOW\)](#)

[BMS](#)

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



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

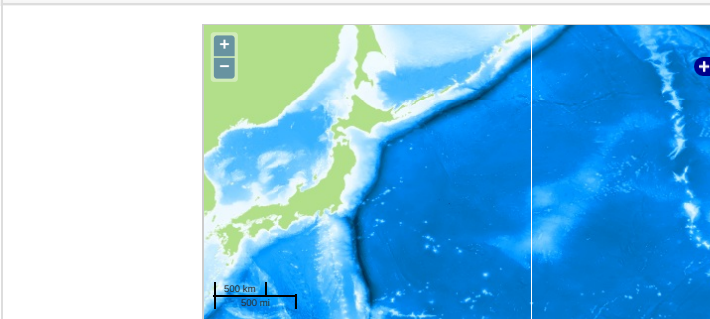
MIRAI MR11-02 MAX-DOAS data

Last Modified: 2013-03-31

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

Cruise ID: [MR11-02](#)
MAX-DOAS data: Processed (PI)
Data Policy: [JAMSTEC](#)
Observation Items:
Science Keywords:

Observation Map



Imagery reproduced from ...

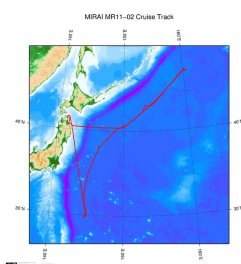
Data List

[Add to Basket](#)

File names

max_mr11-02_dscd.dat

Related Information



[Enlarge Image](#)

MR11-02

Ship Name: MIRAI
Period: 2011-02-11 - 2011-03-09
Chief Scientist: Makio Honda (JAMSTEC)
Project Name: [Station K2, Station S1, Station KEO]
Proposal: [► Studies on the microbial-geochemical processes that regulate the operation of the biological pump in the subarctic and subtropical regions of the western North Pacific](#)

Update History

2013-03-31 An observation data was registered.

JAMSTEC

[Site Policy](#)
[Privacy Policy](#)
[Application for Data and Samples](#)
[Data Policy](#)

[What's New](#)
[Update History](#)
[Feeds](#)

Lists

[Publication List](#)
[Amount of Public Info.](#)

[Data](#)
[Map Search](#)
[Data Tree](#)
[Detailed Search](#)

Information of the Ships

[NATSUSHIMA](#)
[KAIYO](#)
[YOKOSUKA](#)
[MIRAI](#)
[KAIREI](#)
[CHIKYU](#)
[KAIMEI](#)
[SHINSEI MARU](#)
[HAKUHO MARU](#)

Information of the Submersibles

[KAIKO](#)
[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](#)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

