

MIRAI MR17-05C in-water spectral radiation

Last Modified: 2019-09-17

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

Cruise ID: [MR17-05C](#)

in-water spectral radiation: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Vertical profiles of up-welling radiance and down-welling irradiance, and above surface down-welling irradiance. Data was converted to text from binary data and quality checked.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR17-05C_all.pdf

For Using Data

Principal Investigator

Toru Hirawake (Hokkaido University)

Use Constraints

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

Data Citation

Nishino, S., 2017, R/V Mirai Cruise Report MR17-05C, 209pp., JAMSTEC, Yokosuka, Japan.

Upon consultation in advance with the chief of investigation and the person(s) in charge of research issues who gathered that data, we request that the text of the results material contain a statement to the effect that it was obtained during the R/V Mirai cruise of MR17-05C, the Chief Scientist, Shigeto Nishino (JAMSTEC), and the following Principal Investigators (PIs) for gathering the data.

Chief Scientist

Shigeto Nishino

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PI

Toru Hirawake (Hokkaido University)

Please also mention that this cruise was supported by the Arctic Challenge for Sustainability (ArCS) Project, which was funded by the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT), and the Global Change Observation Mission-Climate (GCOM-C) mission of Japan Aerospace Exploration Agency (JAXA).

Instrument

Instrument:

spectroradiometer PRR800/810

(Biospherical Instrument)

Instrument Information:

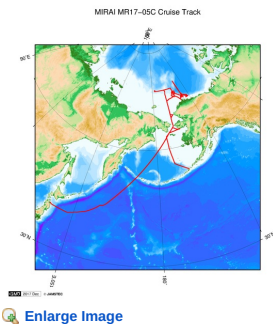
PRR-800 measures vertical profiles of up-welling radiance and down-welling irradiance inside the visible range.



Data Format

Comma Separated Value format. The filename contains date and time when data record started, YYYY_MM_DD_hhmm.csv (YYYY: year, MM:month, DD: day, hh:hour, mm:minute). See 'SampleLog_PRR_MR17-05C.xlsx' to refer the data information when the data obtained as well as data specification.

Related Information



MR17-05C

Ship Name: MIRAI
Period: 2017-08-24 - 2017-10-01
Chief Scientist: Shigeto Nishino (JAMSTEC)
Project Name: [Arctic Ocean Climate System Reaserch]
Proposal ▶ Arctic Challenge for Sustainability (ArCS)
Title:

Update History

2019-09-17	An observation data was registerd.
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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:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

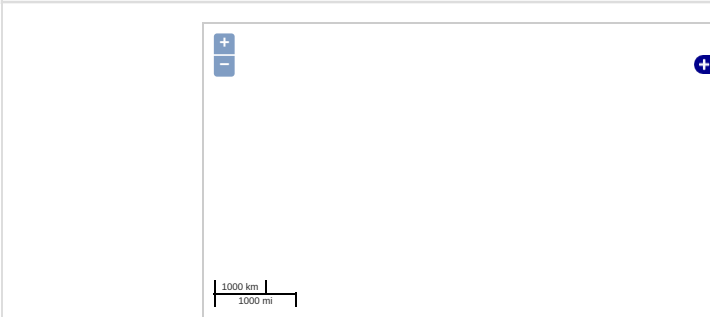
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Observation Map



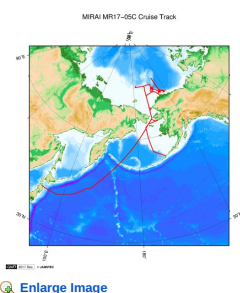
Imagery reproduced from ...

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

Data List

- ☐ File names
- ☐ PRRdata.zip
- ☐ SampleLog_PRR_MR17-05C.xlsx

Related Information



MR17-05C

Ship Name: MIRAI
Period: 2017-08-24 - 2017-10-01
Chief Scientist: Shigeto Nishino (JAMSTEC)
Project Name: [Arctic Ocean Climate System Research]
Proposal ▶ Arctic Challenge for Sustainability (ArCS)
Title:

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Update History

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