

MIRAI MR14-05 Underway Thermosalinograph

Last Modified: 2018-03-30

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

Cruise ID: [MR14-05](#)

Underway Thermosalinograph: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Temperature, Salinity, Dissolved oxygen

Science Keywords:

OCEANS > OCEAN CHEMISTRY	> NITRATE
OCEANS > OCEAN CHEMISTRY	> OXYGEN
OCEANS > OCEAN CHEMISTRY	> SALINITY
OCEANS > OCEAN CHEMISTRY	> CHLOROPHYLL
OCEANS > SALINITY/DENSITY	> SALINITY
OCEANS > OCEAN	> SEA SURFACE
TEMPERATURE	TEMPERATURE
OCEANS > OCEAN OPTICS	> FLUORESCENCE

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR14-05_all.pdf

For Using Data

Principal Investigator

Shigeto Nishino (RCGC/JAMSTEC)
Hiroshi Uchida (RCGC/JAMSTEC)

Use Constraints

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

Data Citation

See [Terms and Conditions](#) about data citation.

Instrument

Instrument:

Continuous sea surface water
monitoring system (MR14-03 -)



Note

Inoue, J., 2014, R/V Mirai Cruise Report MR14-05, edited by J. Inoue, XXXpp., 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 MR14-05, the Chief Scientist, Jun Inoue (JAMSTEC), and the following Principal Investigators (PIs) for gathering the data.

Chief Scientist:

Jun Inoue

Japan Agency for Marine - Earth Science and Technology (JAMSTEC)

2-15 Natsushima, Yokosuka, Kanagawa 237-0061, Japan

Tel: +81-46-867-9483, Fax: +81-46-867-9437

E-mail: jun.inoue @ jamstec.go.jp

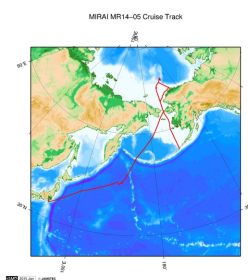
PIs for TSG:

Shigeto Nishino (JAMSTEC)

Hiroshi Uchida (JAMSTEC)

And also the data were jointly obtained by the JAMSTEC and the GRENE (Green Network of Excellence) Arctic Climate Change Research Project of the Ministry of Education, Culture, Sports, Science and Technology in Japan (MEXT).

Related Information



 [Enlarge Image](#)

MR14-05

Ship Name: MIRAI

Period: 2014-08-31 - 2014-10-10

Chief Scientist: Jun Inoue (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Predictability study of Arctic cyclones

Title:

Update History

2018-03-30	An observation data was registered.
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Data Format

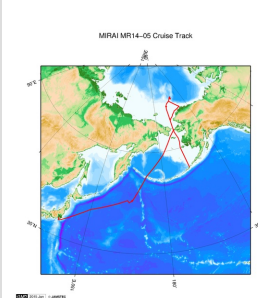
Units are given in the header record of the CSV file.

Column No.	Column Heading Mnemonic	Comments
1	EXPCODE	Expedition code
2	SPEED	Ship speed
3	FLOW	Flow rate
4	INTAKE-TEMPERATURE	Temperature of bottom of the ship (SBE 38)
5	TSG-TEMPERATURE	Thermosalinograph temperature (SBE 45)
6	TSG-SALINITY	Thermosalinograph salinity (SBE 45)
7	SALINITY	Sampled salinity
8	TSG-OXYGEN	Oxygen sensor RINKO-II
9	OXYGEN	Sampled oxygen
10	FLUORESCENCE	Fluorometer C3 (Primary)
11	TSG-CHLOROPHYLL-A	Chlorophyll-a estimated from the fluorometer
12	CHLOROPHYLL-A	Sampled Chlorophyll-a
13	TSG-NITRAT	Nitrate sensor (Deep SUNA)
14	NITRAT	Sampled nitrate

Data flag definition:

- 1: not corrected
- 2: corrected for the sensor data or acceptable for the sampled data
- 3: questionable measurement
- 4: bad measurement
- 6: interpolated
- 8: low-pass filtered
- 9: missing data (missing value is -999)

Related Information



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MR14-05

Ship Name: MIRAI
Period: 2014-08-31 ~ 2014-10-10
Chief Scientist: Jun Inoue (JAMSTEC)
Project Name: [Arctic Ocean Climate System Research]
Proposal ▶ Predictability study of Arctic cyclones
Title:

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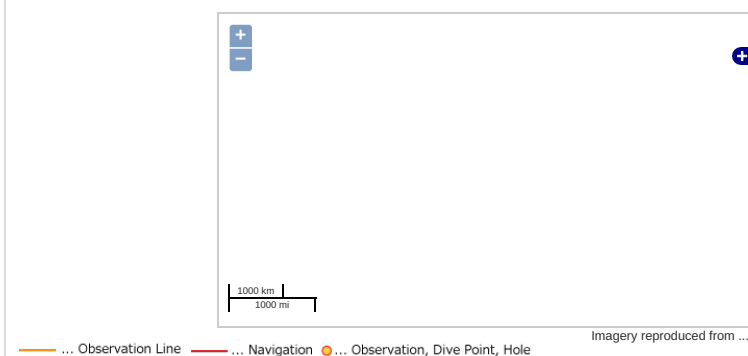
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Observation Map

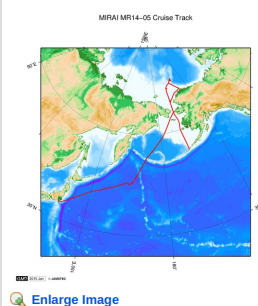


Data List

File names

☐ 49NZ20140831_tsg.csv

Related Information



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Period: 2014-08-31 - 2014-10-10
Chief Scientist: Jun Inoue (JAMSTEC)
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Proposal ▶ Predictability study of Arctic cyclones
Title:

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