

HAKUHO MARU KH-15-J01 Bottle Sampling Water Chemical Analysis

Last Modified: 2018-02-24

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

Cruise ID: **KH-15-J01**

Bottle Sampling Water Chemical Analysis: Processed (PI)

Data Policy: **JAMSTEC**

Observation Items: Temperature, Salinity, Dissolved oxygen, Fluorescence, Chlorophyll, Silicate, Nitrate, Nitrite, Phosphate, Ammonia, DIC, DOC, TDN, 15N, 18O, Alkalinity, Potential temperature, Density

Science Keywords:

OCEANS > OCEAN CHEMISTRY > AMMONIA
OCEANS > OCEAN CHEMISTRY > INORGANIC CARBON
OCEANS > OCEAN CHEMISTRY > NITRITE
OCEANS > OCEAN CHEMISTRY > NITRATE
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OCEANS > OCEAN CHEMISTRY > STABLE ISOTOPES
OCEANS > OCEAN TEMPERATURE > POTENTIAL TEMPERATURE

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KH-15-J01_all.pdf

For Using Data

Principal Investigator

Tetsuichi Fujiki (JAMSTEC)
Masahide Wakita (JAMSTEC)
Chisato Yoshikawa (JAMSTEC)

Use Constraints

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

Data Citation

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

Data Citation

Please contact PI (Tetsuichi Fujiki :tfujiki@jamstec.go.jp)

Overview

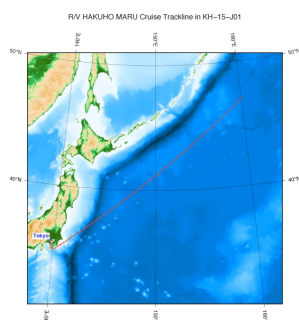
Summary of Instruments

Salinity : Autosal salinometer model 8400B (Guildline Instruments Ltd)
Dissolved oxygen : Automatic photometric titrator (Kimoto Electronic Co. Ltd)
Nutrients : QuAatro 2-HR (SEAL · BLTEC)
pH : pH meter PHM240 (Radiometer)
Dissolved inorganic carbon : automated TCO2 analyzer (Nippon ANS, Inc.) equipped with carbon coulometer 5012 (UIC Inc.)
Total alkalinity : automated TA analyzer (ATT-15, KIMOTO ELECTRIC CO.,LTD.) based on potentiometric technique
Dissolved organic carbon and Total dissolved nitrogen :Total Organic Carbon Analyzer TOC-V (Shimadzu Co.)
Chl.a: Flourometer 10-AU-005 (Tuner Design)
Nitrogen and Oxygen isotopes of nitrate: PT/GC/IRMS (Thermo Fisher Scientific)

About this data

There are some description error for nutrient data of this cruise.
Please refer to the errata of the cruise report.

Related Information



KH-15-J01

Ship Name: HAKUHO MARU
Period: 2015-06-29 - 2015-07-13
Chief Scientist: Tetsuichi Fujiki (JAMSTEC)
Project Name: [Station K2]
Proposal Response of marine ecosystem to the ocean acidification in the subarctic western North
Title: Pacific

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Update History

| | |
|------------|------------------------------------|
| 2018-02-24 | An observation data was registerd. |
| 2017-11-08 | An observation data was registerd. |
| 2017-10-31 | An observation data was registerd. |

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Update History
Feeds

Lists
Publication List
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Data
Map Search
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Detailed Search

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HAKUHO MARU

Information of the Submersibles
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6K Camera DEEP TOW
6K Sonar DEEP TOW
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POWER GRAB SAMPLER (SHELL)
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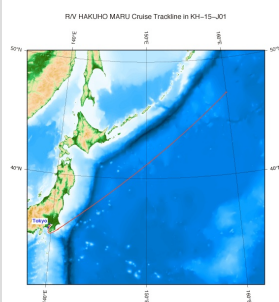
ODV Format

Please see the following link for details of ODV Format and ODV Software.

[Ocean Data View \(ODV\)](#)

| Column No. | Column Heading Mnemonic | Units Mnemonic | Comments |
|------------|-------------------------|----------------|---------------------------------|
| 1 | Cruise | | Cruise Label |
| 2 | Station | | Station number_Cast number |
| 3 | Type | | Station type |
| 4 | Month | | Cast month |
| 5 | Day | | Cast day |
| 6 | Year | | Cast year |
| 7 | Longitude | [E] | Longitude |
| 8 | Latitude | [N] | Latitude |
| 9 | Bot. Depth | | Reported depth to bottom. |
| 10 | Pressure | [db] | Pressure |
| 11 | Depth | [m] | Depth |
| 12 | QF | | Quality flags for water samples |
| 13 | CTDTMP | [C] | Temperature |
| 14 | QF | | Quality flags for CTD data |
| 15 | CTDSAL | | CTD Salinity sensor |
| 16 | QF | | Quality flags for CTD data |
| 17 | Theta | [C] | Potential temperature |
| 18 | QF | | Quality flags for CTD data |
| 19 | Sigma Theta | [kg/m3] | Density |
| 20 | QF | | Quality flags for CTD data |
| 21 | Salinity | | Salinity |
| 22 | QF | | Quality flags for water samples |
| 23 | Oxygen | [umol/kg] | Oxygen |
| 24 | QF | | Quality flags for water samples |
| 25 | Nitrate | [umol/kg] | Nitrate |
| 26 | QF | | Quality flags for water samples |
| 27 | Nitrite | [umol/kg] | Nitrite |
| 28 | QF | | Quality flags for water samples |
| 29 | Silicate | [umol/kg] | Silicate |
| 30 | QF | | Quality flags for water samples |
| 31 | Phosphate | [umol/kg] | Phosphate |
| 32 | QF | | Quality flags for water samples |
| 33 | Ammonium | [umol/kg] | Ammonium |
| 34 | QF | | Quality flags for water samples |
| 35 | TA | [umol/kg] | Total alkalinity |
| 36 | QF | | Quality flags for water samples |
| 37 | DIC | [umol/kg] | Dissolved Inorganic Carbon |
| 38 | QF | | Quality flags for water samples |
| 39 | DOC | [umol/kg] | Dissolved Organic Carbon |
| 40 | QF | | Quality flags for water samples |
| 41 | TDN | [umol/kg] | Total Dissolved Nitrogen |
| 42 | QF | | Quality flags for water samples |
| 43 | d15N_NO3 | [‰] | Nitrogen isotopic ratio |
| 44 | d18O_NO3 | [‰] | Oxygen isotopic ratio |
| 45 | Chl.a Wel | [ug/l] | Chlorophyll a |

Related Information



KH-15-J01

Ship Name: HAKUHO MARU

Period: 2015-06-29 - 2015-07-13

Chief Scientist: Tetsuichi Fujiki (JAMSTEC)

Project Name: [Station K2]

Proposal Response of marine ecosystem to the ocean acidification in the subarctic western North Pacific

Title:

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2017-10-31

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Data Policy
What's New
Update History
Feeds

Lists
Publication List
Amount of Public Info.
Data
Map Search
Data Tree
Detailed Search

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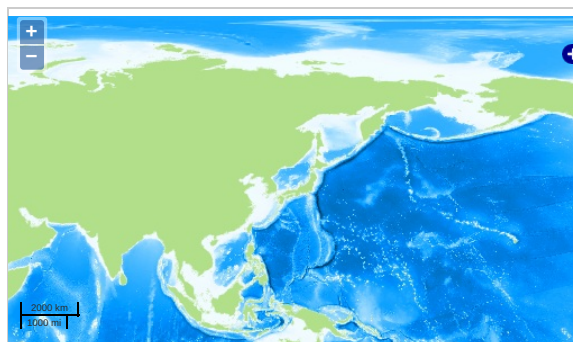
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Observation Map



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

Imagery reproduced from ...

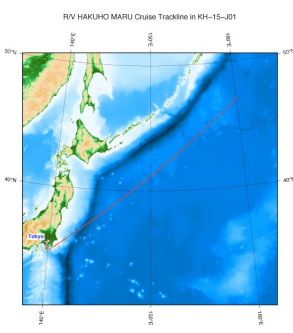
Data List

[Add to Basket](#)

File names

☐ KH-15-J01_bottle.xlsx

Related Information



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[Update History](#)
[Feeds](#)

[Amount of Public Info.](#)

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

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