

MIRAI MR05-02 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2017-04-11

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

Cruise ID: [MR05-02](#)

Shipboard Acoustic Doppler Current Profiler (ADCP): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Depth, Absolute velocity (zonal, meridional and vertical)

Science Keywords:

OCEANS > OCEAN CIRCULATION > OCEAN CURRENTS

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR05-02_all.pdf

For Using Data

Principal Investigator

Shinya Kouketsu (JAMSTEC)

Use Constraints

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

Data Citation

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

Instrument

Instrument:

Shipboard acoustic doppler current profiler (ADCP) (MR08-02 -)

Instrument:

Shipboard acoustic doppler current profiler (ADCP) (- MR08-E01)



About this data

- Please see the [Data book](#) for details of data.

- File name

ADCP_A.txt

ADCP_B.txt

- Data structure of each profile

(1) ADCP_A.txt

The file consists of 259 profiles, 130 of the CTD site and 129 of the streaming. Each profile consists of header and data. The header has three lines representing analyzed site, date and time, and position. The data has 35 layers in which depth, zonal velocity, meridional velocity, and standard error of each grid are stored. Unit of depth is in meter. Unit of flow is in m/s. On the CTD station, the CTD station name (e.g. '143_1') is recorded as the analyzed site in the header. Mean time and position were calculated and recorded using the ADCP profiles during the CTD operation was made. On the way to the next CTD station, the hyphenated two CTD station names (e.g. '143_1-142_1') are recorded as the analyzed site in the header.

Recorded time and position are mean for the available ADCP profiles. The '99.999' in the data represents no available data stored.

[data structure of the data set A]

Line 1: header 1

Column 01-10: cruise code

Column 12-15: WHP line name

Column 17-27: analyzed site

Line 2: header 2

Column 01-10: date (mm/dd/yyyy)

Column 12-16: time (hh:mm)

Line 3: header 3

Column 01-09: latitude (deg,min,N/S)

Column 11-20: longitude (deg,min,E/W)

Line 4-38: flow data in each depth level

Column 1- 5: depth (m)

Column 7-12: zonal velocity (m/s)

Column 14-19: meridional velocity (m/s)

Column 21-26: standard error (m/s)

(2) ADCP_B.txt

Flow data processed in every three minutes are stored in the data set B, where the file name is 'ADCP_B'. The data structure is same as that of the data set B, except for the analyzed site in the header 1. Sequential number is written in the record as 'E\$\$\$\$\$'.

[data structure of the data set B: every 3 minutes]

Line 1: header 1

Column 01-10: cruise code

Column 12-15: WHP line name

Column 17-27: analyzed site

Line 2: header 2

Column 01-10: date (mm/dd/yyyy)

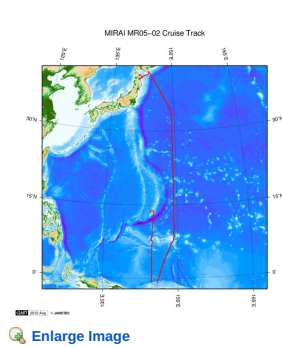
Column 12-16: time (hh:mm)

Line 3: header 3

Line 3: header 3
Column 01-09: latitude (deg,min,N/S)
Column 11-20: longitude (deg,min,E/W)
Line 4-38: flow data in each depth level
Column 1- 5: depth (m)
Column 7-12: zonal velocity (m/s)
Column 14-19: meridional velocity (m/s)
Column 21-26: standard error (m/s)

- Contact
Shinya Kouketsu (JAMSTEC)
skouketsu@jamstec.go.jp

Related Information



MR05-02
Ship Name: MIRAI
Period: 2005-05-25 - 2005-07-01
Chief Scientist: Takeshi Kawano (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2016-09-13	An observation data was registerd.
2012-12-06	An observation data was registerd.
2012-11-25	An observation data was registerd.

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:



MIRAI MR05-02 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2017-04-11

ReadMe

Observation
Data

Cruise ID: [MR05-02](#)

Shipboard Acoustic Doppler Current Profiler (ADCP) Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Depth, Absolute velocity (zonal, meridional and vertical)

Science Keywords:

OCEANS > OCEAN CIRCULATION > OCEAN
CURRENTS

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR05-02_all.pdf

For Using Data

Principal Investigator

Shinya Kouketsu (JAMSTEC)

Use Constraints

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

Data Citation

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

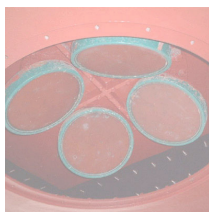
Instrument

Instrument:

Shipboard acoustic doppler current
profiler (ADCP) (MR08-02 -)

Instrument:

Shipboard acoustic doppler current
profiler (ADCP) (- MR08-E01)



About this data

- Please see the [Data book](#) for details of data.

- File name

ADCP_A.txt

ADCP_B.txt

- Data structure of each profile

(1) ADCP_A.txt

The file consists of 259 profiles, 130 of the CTD site and 129 of the streaming. Each profile consists of header and data. The header has three lines representing analyzed site, date and time, and position. The data has 35 layers in which depth, zonal velocity, meridional velocity, and standard error of each grid are stored.

Unit of depth is in meter. Unit of flow is in m/s. On the CTD station, the CTD station name (e.g. '143_1') is recorded as the analyzed site in the header. Mean time and position were calculated and recorded using the ADCP profiles during the CTD operation was made. On the way to the next CTD station, the hyphenated two CTD station names (e.g. '143_1-142_1') are recorded as the analyzed site in the header.

Recorded time and position are mean for the available ADCP profiles. The '99.999' in the data represents no available data stored.

[data structure of the data set A]

Line 1: header 1

Column 01-10: cruise code

Column 12-15: WHP line name

Column 17-27: analyzed site

Line 2: header 2

Column 01-10: date (mm/dd/yyyy)

Column 12-16: time (hh:mm)

Line 3: header 3

Column 01-09: latitude (deg,min,N/S)

Column 11-20: longitude (deg,min,E/W)

Line 4-38: flow data in each depth level

Column 1- 5: depth (m)

Column 7-12: zonal velocity (m/s)

Column 14-19: meridional velocity (m/s)

Column 21-26: standard error (m/s)

(2) ADCP_B.txt

Flow data processed in every three minutes are stored in the data set B, where the file name is 'ADCP_B'. The data structure is same as that of the data set B, except for the analyzed site in the header 1. Sequential number is written in the record as 'E\$E\$E\$E\$'.

[data structure of the data set B: every 3 minutes]

Line 1: header 1

Column 01-10: cruise code

Column 12-15: WHP line name

Column 17-27: analyzed site

Line 2: header 2

Column 01-10: date (mm/dd/yyyy)

Column 12-16: time (hh:mm)

Line 3: header 3

Column 01-09: latitude (deg,min,N/S)

Column 11-20: longitude (deg,min,E/W)

Line 4-38: flow data in each depth level

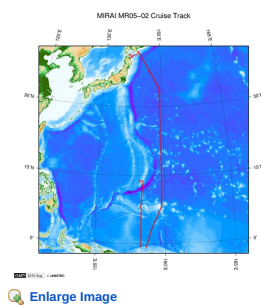
Column 1- 5: depth (m)

Column 7-12: zonal velocity (m/s)
Column 14-19: meridional velocity (m/s)
Column 21-26: standard error (m/s)

● Contact

Shinya Kouketsu (JAMSTEC)
skouketsu@jamstec.go.jp

Related Information



MR05-02

Ship Name: MIRAI
Period: 2005-05-25 - 2005-07-01
Chief Scientist: Takeshi Kawano (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registered.
2016-09-13	An observation data was registered.
2012-12-06	An observation data was registered.
2012-11-25	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:

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 MR05-02 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2017-04-11

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

Cruise ID: [MR05-02](#)

Shipboard Acoustic Doppler Current Profiler (ADCP): Processed (PI)

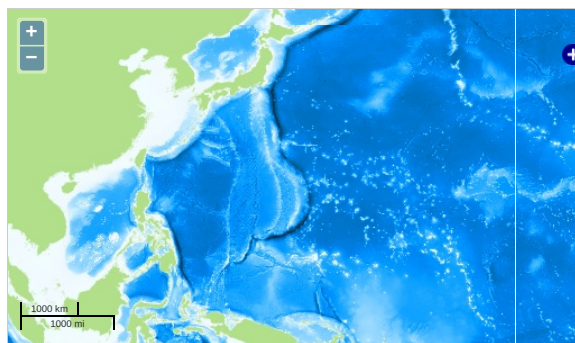
Data Policy: [JAMSTEC](#)

Observation Items: Depth, Absolute velocity (zonal, meridional and vertical)

Science Keywords:

OCEANS > OCEAN CIRCULATION > OCEAN CURRENTS

Observation Map



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

Imagery reproduced from ...

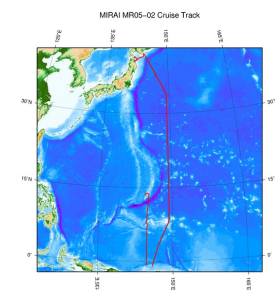
Data List

☐ File names

☐ ADCP_A.TXT

☐ ADCP_B.TXT

Related Information



[Enlarge Image](#)

MR05-02

Ship Name: MIRAI

Period: 2005-05-25 - 2005-07-01

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2016-09-13	An observation data was registerd.
2012-12-06	An observation data was registerd.
2012-11-25	An observation data was registerd.

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: