

## MIRAI MR07-06 Leg1 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2017-04-11

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

Cruise ID: [MR07-06 Leg1](#)

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/MR07-06\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR07-06_leg1-2_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.

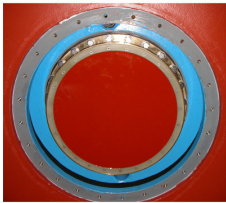
### Instrument

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\_P1\_1\_a.txt : revisit cruise for P1 leg1

adcp\_P1\_1\_b.txt : revisit cruise for P1 leg1

adcp\_P14\_1\_a.txt :revisit cruise for P14 leg1 (& a part of the P1 revisit)

adcp\_P14\_1\_b.txt :revisit cruise for P14 leg1 (& a part of the P1 revisit)

adcp\_P14\_2\_a.txt :revisit cruise for P14 leg2

adcp\_P14\_2\_b.txt :revisit cruise for P14 leg2

- Data structure of each profile

(1) adcp\_\*\*\*\_\*.a.txt

The file consists of 239 profiles on the CTD site. Each profile consists of header and data. The header has three lines representing analyzed site, date and time, and position. The data has 68 layers in which depth, zonal velocity, meridional velocity, and vertical velocity 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. The "99.999" f in the data represents no available data stored.

[ data structure of the data set A ]

Line 1: header 1

Column 1: cruise code

Column 2: analyzed site

Line 2: header 2

date

Line 3: header 3

Column 1: longitude (degree E)

Column 2: latitude (degree N)

Line 4-70: flow data in each depth level

Column 1: depth (m)

Column 2: zonal velocity (m/s)

Column 3: meridional velocity (m/s)

(2) adcp\_\*\*\*\_\*.b.txt

Flow data processed in every three minutes are stored in the data set B.

The data structure is the same as that of the data set B, except for the analyzed site in the header 1.

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

Line 1: header 1

Column 1: cruise code

Column 2: sequential record number

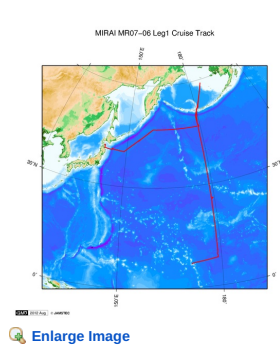
Line 2: header 2

date

date  
Line 3: header 3  
Column 1: longitude (degree E)  
Column 2: latitude (degree N)  
Line 4-38: flow data in each depth level  
Column 1: depth (m)  
Column 2: zonal velocity (m/s)  
Column 3: meridional velocity (m/s)

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

#### Related Information



#### MR07-06 Leg1

Ship Name: MIRAI  
Period: 2007-10-07 - 2007-11-20  
Chief Scientist: Takeshi Kawano (JAMSTEC)  
Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

#### Update History

2017-04-11	An observation data was registerd.
2012-12-06	An observation data was registerd.
2012-10-26	An observation data was registerd.

#### JAMSTEC

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YOKOSUKA  
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KAIREI  
CHIKYU  
KAIMEI  
SHINSEI MARU  
HAKUHO MARU

#### Information of the Submersibles

KAIKO  
SHINKAI 2000  
SHINKAI 6500  
DEEP TOW  
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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 MR07-06 Leg1 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2017-04-11

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[Observation  
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Cruise ID: [MR07-06 Leg1](#)

Shipboard Acoustic Doppler Current Profiler (ADCP) Processed (P1)

Data Policy: [JAMSTEC](#)

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

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Cruise Report

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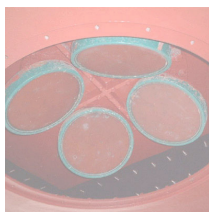
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Shipboard acoustic doppler current  
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adcp\_P14\_2\_a.txt :revisit cruise for P14 leg2

adcp\_P14\_2\_b.txt :revisit cruise for P14 leg2

- Data structure of each profile

(1) adcp\_\*\*\*\_\*\_a.txt

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date

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Column 1: longitude (degree E)

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Line 4-70: flow data in each depth level

Column 1: depth (m)

Column 2: zonal velocity (m/s)

Column 3: meridional velocity (m/s)

(2) adcp\_\*\*\*\_\*\_b.txt

Flow data processed in every three minutes are stored in the data set B.

The data structure is the same as that of the data set B, except for the analyzed site in the header 1.

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

Line 1: header 1

Column 1: cruise code

Column 2: sequential record number

Line 2: header 2

date

Line 3: header 3

Column 1: longitude (degree E)

Column 2: latitude (degree N)

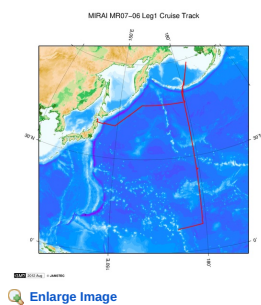
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#### Related Information



#### MR07-06 Leg1

Ship Name: MIRAI  
Period: 2007-10-07 - 2007-11-20  
Chief Scientist: Takeshi Kawano (JAMSTEC)  
Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

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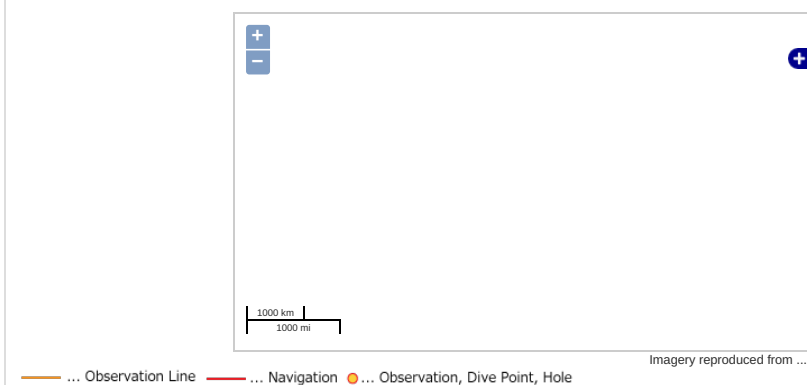
Data Policy: [JAMSTEC](#)

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

Science Keywords:

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### Observation Map



### Data List

[Add to Basket](#)

☐ File names

☐ adcp\_P14\_1\_a.txt

☐ adcp\_P14\_1\_b.txt

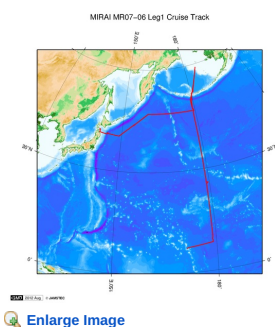
☐ adcp\_P14\_2\_a.txt

☐ adcp\_P14\_2\_b.txt

☐ adcp\_P1\_1\_a.txt

☐ adcp\_P1\_1\_b.txt

### Related Information



#### MR07-06 Leg1

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Period: 2007-10-07 - 2007-11-20

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

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