

## MIRAI MR03-K04 Leg2 Lowered Acoustic Doppler Current Profiler (LADCP)

Last Modified: 2018-05-12

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

Cruise ID: [MR03-K04 Leg2](#)

Lowered Acoustic Doppler Current Profiler (LADCP) : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Depth, Velocity (zonal and meridional)

Science Keywords:

OCEANS > OCEAN CIRCULATION > OCEAN CURRENTS

Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR03-K04\\_leg2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR03-K04_leg2_all.pdf)

### For Using Data

#### Principal Investigator

Yasushi Yoshikawa (JAMSTEC)

#### Use Constraints

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

#### Data Citation

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

### Overview

Velocity data with LADCP

Please see the Data book [Volume1](#), [Volume2](#), [Volume3](#) for details of data.

#### Data process

Vertical profiles of velocity are obtained by the inversion method (Visbeck, 2002).

Visbeck, M. (2002): Deep velocity profiling using Lowered Acoustic Doppler Current Profilers: Bottom track and inverse solutions. J. Atmos. Oceanic Technol., 19, 794-807.

#### Data file

MR03-K04\_leg2\_ladcp.zip

#### File format

Data file contains one line header (meta data) followed by 305 lines data for 113 profiles.

##### Header line

The file is in fixed length, comma separated text file format.

Column 1 : cruise code

Column 2 : WHP-ID

Column 3 : Station name

Column 4 : date (mm/dd/yyyy)

Column 5 : time (hh:mm) in UTC

Column 6 : latitude

Column 7 : longitude

##### Data lines (305 lines)

The file is in fixed length, space separated text file format.

Column 1 : depth

Column 2 : zonal velocity (m/s)

Column 3 : meridional velocity (m/s)

Column 4 : standard error (m/s)

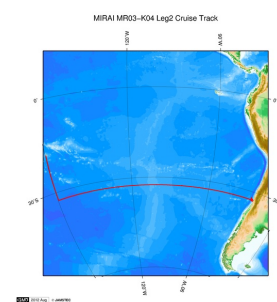
\* The '99.999' in the velocity data means underground and no available.

#### Contact

Yasushi Yoshikawa (JAMSTEC)

yoshikaway@jamstec.go.jp

### Related Information



 [Enlarge Image](#)

#### MR03-K04 Leg2

Ship Name: MIRAI

Period: 2003-09-09 - 2003-10-16

Chief Scientist: Shuichi Watanabe (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003, POST-WOCE Hydrography]

### Update History

2018-05-12 An observation data was registered.

2012-12-25

An observation data was registerd.

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[KAIYO](#)  
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#### Information of the Submersibles

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[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
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[URASHIMA](#)  
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[6K Sonar DEEP TOW](#)  
[KM-ROV](#)  
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#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

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**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

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### Observation Map



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

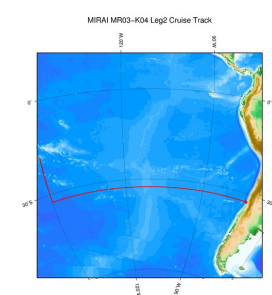
Imagery reproduced from ...

### Data List

File names

☐ MR03-K04\_leg2\_ladcp.zip

### Related Information



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