

MIRAI MR02-K05 Leg1 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2012-12-25

ReadMe Observation Data

Cruise ID: [MR02-K05 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/MR02-K05_leg1_all.pdf

For Using Data

Principal Investigator

(1) If results are to be announced at academic societies or in scientific journals, please submit a notice of publication upon gaining the advance approval of the chief of investigation and the person(s) in charge of research issues who gathered that data.

(2) 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 "Mirai" cruise of MR02-K05, together with (a) Collaborators and (b) Address of thanks.

[MR02-K05 Leg1 / Shipboard ADCP]

Cruise: R/V Mirai, MR02-K05 Leg1

Project: JWACS 2002

Chief Scientist: Koji Shimada (IORGC/JAMSTEC)

PI: Koji Shimada (IORGC/JAMSTEC)

Data processing: Takashi Kamoshida(IORGC/JAMSTEC)

Use Constraints

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

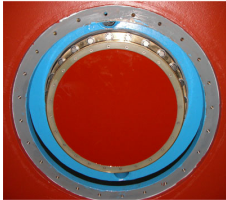
Data Citation

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)



Need raw data?

If you would like the raw data set, please contact us from "Contact Us" above.

About this data

Period

02 Sep., 2002 - 09 Oct., 2002 (Dutch Harbor - Dutch Harbor)

Quality control

Please see the [Procedure of data processing](#).

Format Description

For the convenience to use the data and visualizations, we provide the dataset as AWI Ocean Data View format (generic spreadsheet format). Please refer the header information to identify the parameters involved in the datasets.

Ocean Data View : <http://odv.awi-bremarhaven.de/>

Japanese Guide : http://www.jodc.go.jp/jodc_pub/digitalpub_j.html

Data

1. Heading angle : Honeywel, DRU-H

Ship velocity : calculated from ADCP bottom tracking data

File name	File size	File name	File size
AdcpBT20020902.txt	0.03MB	AdcpBT20020903.txt	3.0MB
AdcpBT20020904.txt	0.4MB	AdcpBT20020905.txt	1.0MB
AdcpBT20020906.txt	3.6MB	AdcpBT20020907.txt	10.4MB
AdcpBT20020908.txt	3.3MB	AdcpBT20020909.txt	14.3MB
		AdcpBT20020911.txt	8.3MB
AdcpBT20020912.txt	7.6MB	AdcpBT20020913.txt	2.0MB
AdcpBT20020914.txt	14.9MB	AdcpBT20020915.txt	10.9MB
AdcpBT20020916.txt	0.4MB	AdcpBT20020917.txt	10.0MB
AdcpBT20020918.txt	8.1MB	AdcpBT20020919.txt	3.2MB

AdcpBT20020920.txt	0.8MB		AdcpBT20020921.txt	3.5MB
AdcpBT20020922.txt	2.3MB		AdcpBT20020923.txt	29.9MB
AdcpBT20020924.txt	9.8MB		AdcpBT20020925.txt	8.9MB
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AdcpBT20021002.txt	0.9MB		AdcpBT20021003.txt	0.7MB
AdcpBT20021004.txt	16.6MB		AdcpBT20021005.txt	15.8MB
AdcpBT20021006.txt	0.7MB		AdcpBT20021007.txt	1.2MB
AdcpBT20021008.txt	0.6MB		AdcpBT20021009.txt	2.6MB

2. Heading angle : Honeywel, DRU-H

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AdcpGPS20020910.txt	4.2MB	AdcpGPS20020911.txt	32.7MB
AdcpGPS20020912.txt	22.5MB	AdcpGPS20020913.txt	44.6MB
AdcpGPS20020914.txt	44.7MB	AdcpGPS20020915.txt	43.2MB
AdcpGPS20020916.txt	44.2MB	AdcpGPS20020917.txt	44.5MB
AdcpGPS20020918.txt	8.8MB	AdcpGPS20020919.txt	3.2MB
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AdcpGPS20020928.txt	2.2MB	AdcpGPS20020929.txt	2.9MB
AdcpGPS20020930.txt	24.7MB	AdcpGPS20021001.txt	42.6MB
AdcpGPS20021002.txt	43.9MB	AdcpGPS20021003.txt	44.2MB
AdcpGPS20021004.txt	28.2MB	AdcpGPS20021005.txt	17.6MB
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3. Heading angle : gyrocompass for navigation

Ship velocity : calculated from ADCP bottom tracking data

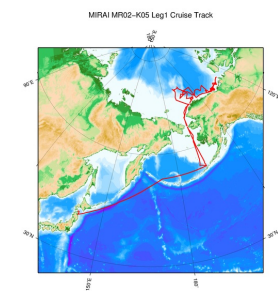
File name	File size
AdcpBTGyro20020908.txt	5.1MB

4. Heading angle : using gyrocompass for navigation as heading angle

Ship velocity : calculated from GPS data

File name	File size
AdcpGPSGyro20020908.txt	5.2MB

Related Information



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MR02-K05 Leg1

Ship Name: MIRAI

Period: 2002-08-24 - 2002-10-10

Chief Scientist: Akihiko Murata (JAMSTEC)/Koji Shimada (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Update History

2012-12-25 An observation data was registerd.

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[YOKOSUKA DEEP TOW](#)

[6K Camera DEEP TOW](#)

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[POWER GRAB SAMPLER \(CLOW\)](#)

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Dive ID:

MIRAI MR02-K05 Leg1 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2012-12-25

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 Project: JWACS 2002
 Chief Scientist: Koji Shimada (IORGC/JAMSTEC)
 PI: Koji Shimada (IORGC/JAMSTEC)
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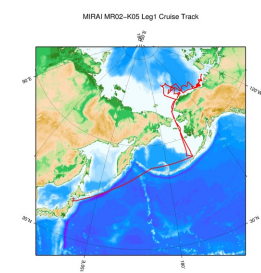
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Related Information



[Enlarge Image](#)

MR02-K05 Leg1

Ship Name: MIRAI

Period: 2002-08-24 - 2002-10-10

Chief Scientist: Akihiko Murata (JAMSTEC)/Koji Shimada (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Update History

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6K Sonar DEEP TOW
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Go to a Dive Information

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MIRAI MR02-K05 Leg1 Shipboard Acoustic Doppler Current Profiler (ADCP)

Last Modified: 2012-12-25

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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 ...

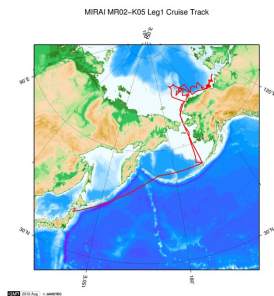
Data List

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- AdcpBT20021008.txt
- AdcpBT20021009.txt
- AdcpBTGyro20020908.txt
- AdcpGPS20020902.txt
- AdcpGPS20020903.txt
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- AdcpGPS20020905.txt

File Names
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Related Information



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MR02-K05 Leg1

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 Period: 2002-08-24 - 2002-10-10
 Chief Scientist: Akihiko Murata (JAMSTEC)/Koji Shimada (JAMSTEC)
 Project Name: [Arctic Ocean Climate System Research]

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