

MR08-04 Cruise summary

1. Ship

R/V Mirai

L x B x D 128.58m x 19.0m x 13.2m

Gross Tonnage 8,672 tons

Call Sign JNSR

2. Cruise Code

MR08-04

3. Project Name

R/V Mirai International Polar Year 2008 cruise

4. Undertaking Institute

Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

2-15 Natsushima-cho, Yokosuka 237-0061, Japan

5. Chief Scientist

Koji Shimada (Tokyo University of Marine Science and Technology / JAMSTEC)

6. Periods and Ports of Call

Aug. 15, 2008 ~ Oct. 9, 2008

(Sekine-hama ~ Hachinohe ~ Dutch Harbor ~ Dutch Harbor)

7. Observation Summary

CTD (+ water sampling) 204 stations

CTD (only) 56 stations

XCTD 195 stations

ADCP Observation Continuously

Oceanic Environment Monitoring Continuously

Surface Meteorology Continuously

Mooring recoveries 6

Mooring deployments 3

Plankton Net Sampling (Multi layer) 14 stations

Plankton Net Sampling (Single layer) 54 stations

Piston core 5 stations

Multiple core 4 stations
Sea Floor Topography (Seabeam) Continuously
Radiosonde Launching 95 times
Doppler Radar Observation Continuously
Aerosol measurement Continuously
Dual polarization lidar Continuously
Cloud radar Continuously

8. Data Policy

All data obtained during this cruise will be under the control of the Data Management Office (DMO) of JAMSTEC.

R/V MIRAI Cruise Trackline in MR08-04

