

MR04-05 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

MR04-05

3. Project Name

Studies on Arctic Ocean circulation linked to Arctic climate system

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 (JAMSTEC)

6. Periods and Ports of Call

Sep. 1, 2004 – Oct. 12, 2004
(Dutch Harbor – Dutch Harbor)

7. Observation Summary

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|-------------------------------------|--------------|
| CTD (+ water sampling) | 150 stations |
| CTD (only) | 98 stations |
| XCTD | 114 stations |
| ADCP Observation | Continuously |
| Oceanic Environment Monitoring | Continuously |
| Surface Meteorology | Continuously |
| Plankton Net Sampling(Multi layer) | 4 stations |
| Plankton Net Sampling(Single layer) | 9 stations |
| Sea Floor Topography (Seabeam) | Continuously |
| Tethered balloon Launching | 3 times |
| Radiosonde Launching | 69 times |

| | |
|----------------------------|--------------|
| Doppler Radar Observation | Continuously |
| Aerosol measurement | Continuously |
| Dual polarization lidar | Continuously |
| Cloud radar | Continuously |
| Turbulent flux measurement | Continuously |
| Geophysical Parameters | Continuously |

8. Data Policy

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