

Sea floor survey in and around the epicenter of the Sumatra Earthquake, 26th December, 2004.

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We will present the preliminary results on the NT05-02 cruise of JAMSTEC R/V Natsushima. A detailed sea-floor survey was carried out around the epicenter of the Sumatra Earthquake, 26th December, 2004. The survey includes the following:

- 1) High-precision bathymetric survey using SEABAT system. Backscatter imagery of the seafloor will also be obtained.
- 2) Single-channel seismic survey in order to obtain the shallow crustal structure around the focal region.
- 3) Diving investigation using ROV Hyper Dolphin. Video images and in-situ observation of earthquake-induced fissures or seeps are expected.
- 4) Aftershock monitoring using 19 OBSs. 17 OBSs are deployed for 3 weeks and recovered, whereas 2 long-term OBSs will be recovered post-cruise.

Acknowledgments: We thank the Captain and Crew of R/V Natsushima, and JAMSTEC Research Support Department for their support. Appreciation also reaches to personnels of Japanese and Indonesian Governments for their support and cooperation to make this cruise possible. This study has been supported as [Urgent Study of the Great Sumatra Earthquake and Tsunami Disasters] by Special Coordination Fund of MEXT (Ministry of Education, Culture, Sports, Science and Technology), Japan in 2004.