

NT09-16 Cruise Summary

Cruise number: NT09-16 Leg2

Research vessel: Natsushima and the ROV Hyperdolphin

Title of the Cruise: Interaction between chemical environments, biological activities, and material cycling at a well oxygenated sediment-water interface in the Sea of Japan

Chief Scientist: Hidetaka Nomaki (JAMSTEC)

Proponent of the cruise: Hidetaka Nomaki (JAMSTEC)

Cruise period and Ports of call: From September 14th (Naoetsu) to 25th (Hakata), 2009

Research area: Oki-Ridge, Sea of Japan

Water depths: 910-930m

Overview of the Investigation:

We operated following *in situ* experiments and samplings.

1. In situ incubation experiments using ^{13}C -labelled substrates.
2. Samplings of deep-sea animals using a Deep-Aquarium.
3. Samplings of surface sediments and bottom water for microbial, organic geochemical, paleoceanographic studies.

Dives

Hyperdolphin Dive#1048 (Sep 16, 2009)

Hyperdolphin Dive#1049 (Sep 17, 2009)

Hyperdolphin Dive#1050 (Sep 17, 2009)

Hyperdolphin Dive#1051 (Sep 18, 2009)

Hyperdolphin Dive#1052 (Sep 21, 2009)

Hyperdolphin Dive#1053 (Sep 21, 2009)

Hyperdolphin Dive#1054 (Sep 22, 2009)

Hyperdolphin Dive#1055 (Sep 23, 2009)