



R/V Natsushima Cruise Report

NT14-E01

Survey dive for transponder deployed by D/V CHIKYU

(Suruga-Bay)

Aug.13, 2014 - Aug.17, 2014

Japan Agency for Marine-Earth Science and Technology

(JAMSTEC)

\* There is no prescribed format. Images such as photographs may be included.

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## 1. Cruise Information

- Cruise ID :NT14-E01
- Name of vessel :R/V Natsushima
- Title of the cruise : Survey dive for transponder deployed by D/V CHIKYU
- Title of proposal : Survey dive for transponder deployed by D/V CHIKYU
- Cruise period :13 August 2014 - 17 August 2014
- Ports of call : Kagoshima port– JAMSTEC Yokosuka wharf
- Cruise track : Fig.1
- Research area :Suruga Bay (34-55.4N, 138-38.6E) Water depth 1,550m (Fig.2)

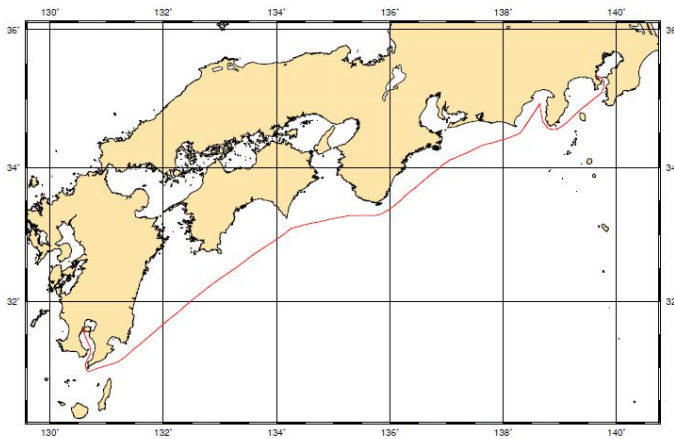


Fig.1 Cruise track

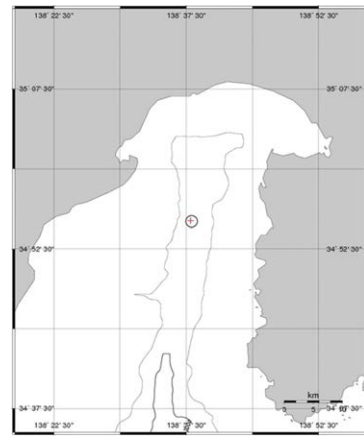


Fig.2 Research area

## 2. Researchers

- Chief scientist: Yasuyuki Yamazaki [JAMSTEC]
- Representative of Science Party: Yasuyuki Yamazaki [JAMSTEC]
- Science party:
  - Makoto Sato [JAMSTEC]
  - Goro Miyamoto [JAMSTEC]

### 3. Observation

The objective of this cruise is to survey and recover the transponder which was deployed by D/V CHIKYU with free-fall and was not recovered because it sent no reply signal. After arriving dive point, Hyper-Dolphin conducted survey and recovered the transponder. Fig.3 shows the recovered transponder.



**Fig.3 Transponder**

#### 3.1 Cruise log

Date and Time (JST)	Description of operations
13 Aug 2014 15:00	Scientists onboard
14 Aug 2014 08:00	Depart Kagoshima Port to dive point in Suruga-Bay
09:00	Hold briefing for general shipboard life and safety
15 Aug 2014	Transit to Suruga-Bay
16 Aug 2014 06:00	Arrive dive point in Suruga-Bay
06:22	Launch XBT
06:30	Hold meeting for Hyper-Dolphin launch and transponder recovery process
08:33	Launch Hyper-Dolphin
12:40	Recover Hyper-Dolphin
12:44	Transponder on deck
13:00	Start sailing to JAMSTEC Yokosuka head office
17 Aug 2014 09:00	Arrive JAMSTEC head office wharf
09:15	Offload Transponder
09:20	Disembark scientists

#### 3.2 Dive information

- Name of ROV : Hyper-Dolphin 3000
- Dive number : 1695
- Dive point information : 34-55.332N, 138-38.603E

#### **4. Notice on Using**

Notice on using: Insert the following notice to users regarding the data and samples obtained.

This cruise report is a preliminary documentation as of the end of the cruise.

This report may not be corrected even if changes on contents (i.e. taxonomic classifications) may be found after its publication. This report may also be changed without notice. Data on this cruise report may be raw or unprocessed. If you are going to use or refer to the data written on this report, please ask the Chief Scientist for latest information.

Users of data or results on this cruise report are requested to submit their results to the Data Management Group of JAMSTEC.