



“Natsushima” Cruise Report

NT15-04

Technology test of AUV "Jinbei"

Suruga-bay

Mar.12.2015-Mar.16.2015

Japan Agency for Marine-Earth Science and Technology

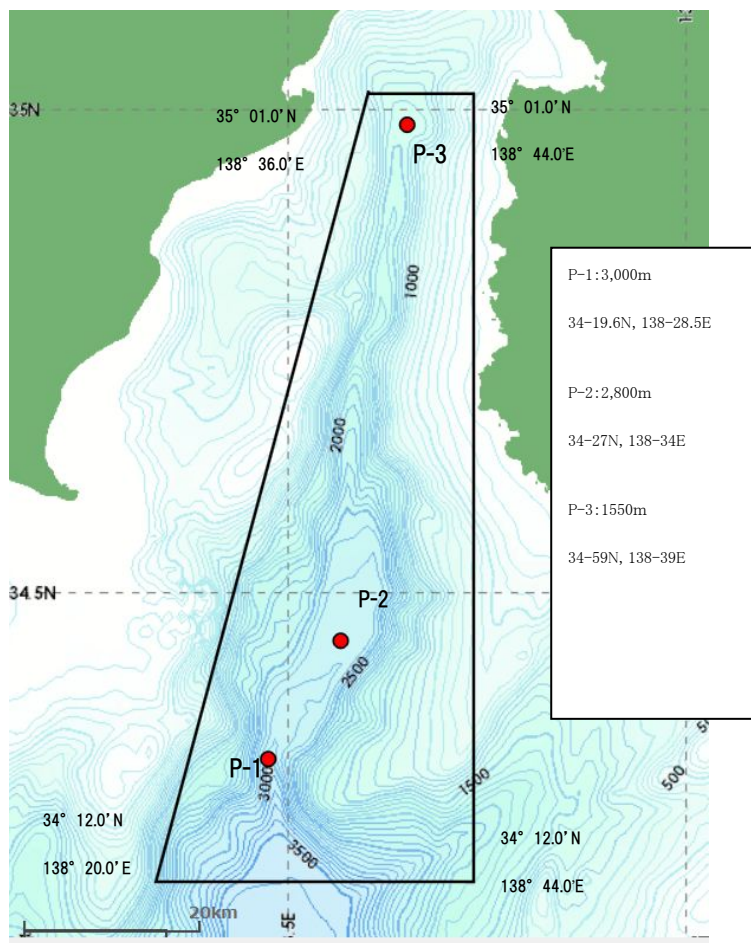
(JAMSTEC)

Contents:

To implement the technology test of AUV "Jinbei". Establishment of dive technique, confirmed on aircraft performance, to implement the operation test after repair and maintenance that was carried out this year. The recording of experimental data field is carried out by a small three-component magnetometer to be mounted as a payload, to investigate the effects of such noise payload deployment and peripherals.

1. Cruise Information

- Cruise ID: NT15-04
- Name of vessel: Natsushima
- Title of the cruise: technology test of AUV "Jinbei"
- Title of proposal: technology test of AUV "Jinbei"
- Cruise period: Mar.12.2015-Mar.16.2015
- Ports of call: Yokosuka~Yokosuka
- Research area: Suruga-Bay & Sagami-Bay
- Research Map:



2. Researchers

- Chief scientist: Yoshiume Tsuyoshi[JAMSTEC]
- Representative of the Science Party: Yoshiume Tsuyoshi[JAMSTEC]
- Science party (List) :

Yoshiume tsuyoshi	JAMSTEC/ Marine technology and engineering center
Nanbu yoshinobu	JAMSTEC/ Marine technology and engineering center
Ohmika shinobu	JAMSTEC/ Marine technology and engineering center
Torigoem mitsuru	JAMSTEC/ Marine technology and engineering center
Sugano masato	JAMSTEC/ Marine technology and engineering center
Hyakudome tadahiro	JAMSTEC/ Marine technology and engineering center
Nakatani takeshi	JAMSTEC/ Marine technology and engineering center
Ochi hiroshi	JAMSTEC/ Marine technology and engineering center
Shimura takuya	JAMSTEC/ Marine technology and engineering center
Abe masayoshi	Mitsubishi heavy industry
Takahashi kazunari	OKI Sea-tech
Nakano shinichi	OKI Sea-tech

3. Observation

Sagami Bay Hatsushima off the East Coast (P2-2), after a dive in the Suruga Bay off the coast Fujikawa (P1-3) Suruga Bay, Nankai Trough northern part(P1-1), I was carried out dive test to a maximum depth in the waters of the water depth 3000m. In this cruise, as a technology test of "Jinbei", mainly, the establishment of a dive technique, confirmed on aircraft performance, check the operation after refurbishment, maintenance and bug such modifications were carried out parameter optimization, such as this year on advanced retention navigation and implementation is, dive disconnect the optical fiber, was carried out in acoustic communication only. In the recording of experimental data field is carried out by a small three-component magnetometer as a payload, and was confirmed for such noise effects of the payload deployment and peripherals.

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.