



R/V Kairei “Cruise Report”

KR15-16

ROV survey of new hydrothermal vent(s) at mid- and
southern-Okinawa Trough, as a part of SIP

Oct. 26, 2015 - Nov. 07, 2015

Japan Agency for Marine-Earth Science and Technology

(JAMSTEC)

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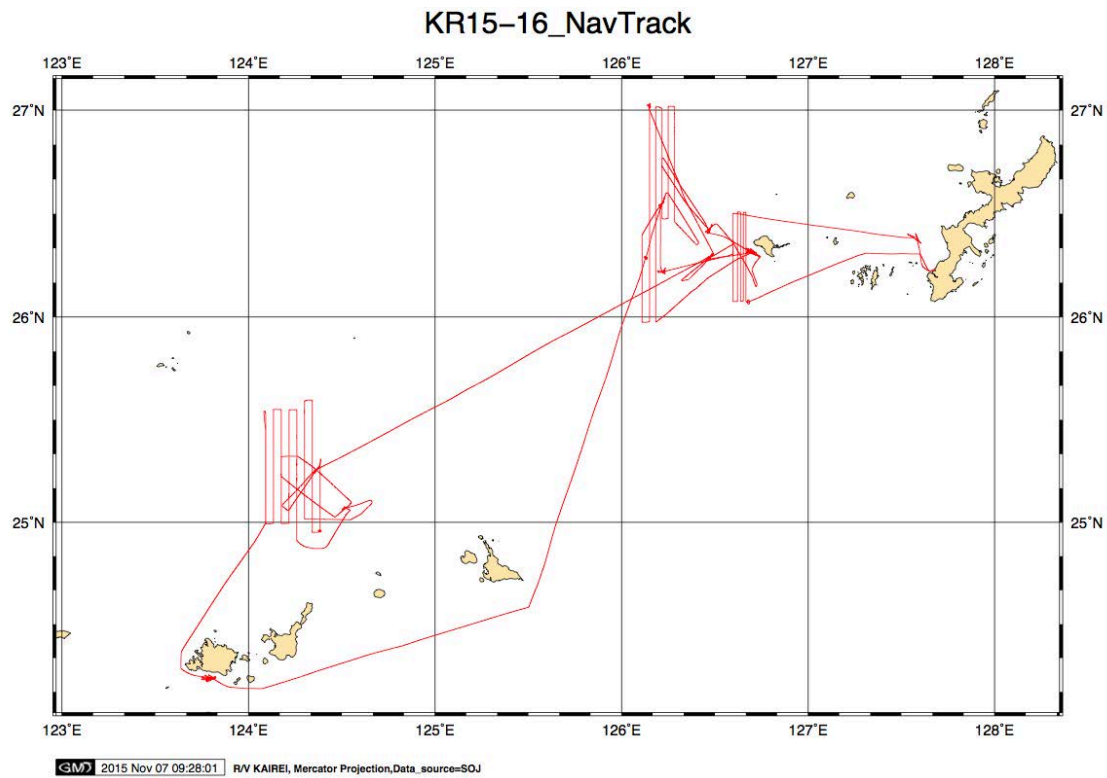
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1. Cruise Information

- Cruise ID KR15-16
- Name of vessel R/V Kairei
- Title of the cruise ROV survey of new hydrothermal vent(s) at mid- and southern-Okinawa Trough, as a part of SIP.
- Title of proposal ROV survey of new hydrothermal vent(s) at Iheya-Izena Zone.
- Cruise period Oct. 26, 2015 - Nov. 07, 2015
- Ports of departure / call / arrival Naha - Naha
- Research area Mid- and southern-Okinawa Trough
- Research Map



2. Researchers

- Chief scientist [Affiliation] KAWAGUCCI, Shinsuke [JAMSTEC]
- Representative of the science party [Affiliation] KUMAGAI, Hidenori [JAMSTEC] (onshore)
NAKAMURA, Kentaro [JAMSTEC] (onshore)
KAWAGUCCI, Shinsuke [JAMSTEC]
- Science party (List) [Affiliation, assignment etc.]
 - MIYAZAKI, Junichi [JAMSTEC]
 - KITADA, Kazuya [JAMSTEC]
 - TORIMOTO, Junji [JAMSTEC]
 - MAKABE, Akiko [JAMSTEC]
 - CHEN, Chong [JAMSTEC]
 - KITAHASHI, Tomo [JAMSTEC]
 - FUJIWARA, Taisei [JAMSTEC / Okayama University of Science]
 - TSUTSUMI, Saki [JAMSTEC / Kyushu University]
 - IWAMOTO, Hisanori [NME]
- R/V KAIREI Crew
 - Captain TAKAFUMI AOKI
 - Chief Officer TAKA AKI SHISHIKURA
 - 2nd Officer TOMOYUKI TAKAHASHI
 - 3rd Officer KEIJI ITAHASHI
 - Chief Engineer TADASHI ABE
 - 1st Engineer TAKASHI OTA
 - 2nd Engineer KATSUTO YAMAGUCHI
 - 3rd Engineer HIROKI TANAKA
 - Chief Electronics Operator TAKEHITO HATTORI
 - 2nd Electronics Operator YUKA MORIWAKI
 - 3rd Electronics Operator TOSHIHIKO YUASA
 - Boat Swain KAZUO ABE
 - Able Seaman YUKITO ISHII
 - Able Seaman NAOKI IWASAKI
 - Able Seaman HIDEAKI NAKATA
 - Sailor SHO SUZUKI
 - Sailor TOSHIYA SAGA
 - Sailor KOHEI SATO
 - No.1 Oiler TOSHIKAZU IKEDA
 - Oiler SOTA MISAGO

Oiler	KEIYA TANIGUCHI
Assistant Oiler	DAIKI SATO
Assistant Oiler	HIROMU FUKUDA
Chief Steward	TOYONORI SHIRAISHI
Steward	MASAO HOSOYA
Steward	MASANAO KUNITA
Steward	KAZUMA SONODA
Steward	MAO KIKUCHI

- KAIKO Mk-IV operating team

Operation Manager	ATSUMORI MIURA
1st ROV Operator	HOMARE WAKAMATSU
2nd ROV Operator	JUNYA NIKURA
2nd ROV Operator	KIYOSHI TAKISHITA
2nd ROV Operator	TETSUYA ISHITSUKA
2nd ROV Operator	SHOTA IHARA
3rd ROV Operator	TAKUMA GOTO
3rd ROV Operator	KENTARO MURASAKI

3. Observation

We carried out ROV Kaiko Mk-IV dives into several areas in the mid- and south-Okinawa Trough, where hydrothermal activity was suggested from acoustic water column anomaly on MBES survey. We during the dives collected chimneys, volcanic rocks, hydrothermal fluids, seawater, and benthic lives in addition to in-situ sensing for turbidity, ORP, and methane concentration.

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.