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


Japan Agency for Marine-Earth Science and Technology
(JAMSTEC)
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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.
- 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 TAKAAKI 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
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.