



R/V Kairei Cruise Report

KR16-E01

Survey of Drill Pipes and Bottom Hole Assembly dropped
from D/V Chikyu off Omaezaki

Research area : Off Omaezaki

February 01, 2016 to February 04, 2016

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

1. Cruise Information

- Cruise ID: KR16-E01
- Name of vessel: R/V Kairei
- Title of the cruise: Survey of Drill Pipes and Bottom Hole Assembly dropped from D/V Chikyu off Omaezaki
- Title of proposal: NA (There are no scientific proposals)
- Cruise period: February 01, 2016 to February 04, 2016
- Ports of departure and arrival: JAMSTEC Headquarter, Yokosuka
- Research area: Off Omaezaki. around $34^{\circ}11.0'N$, $138^{\circ}29.0'E$, water depth approx. 3,600 m
- Research Map

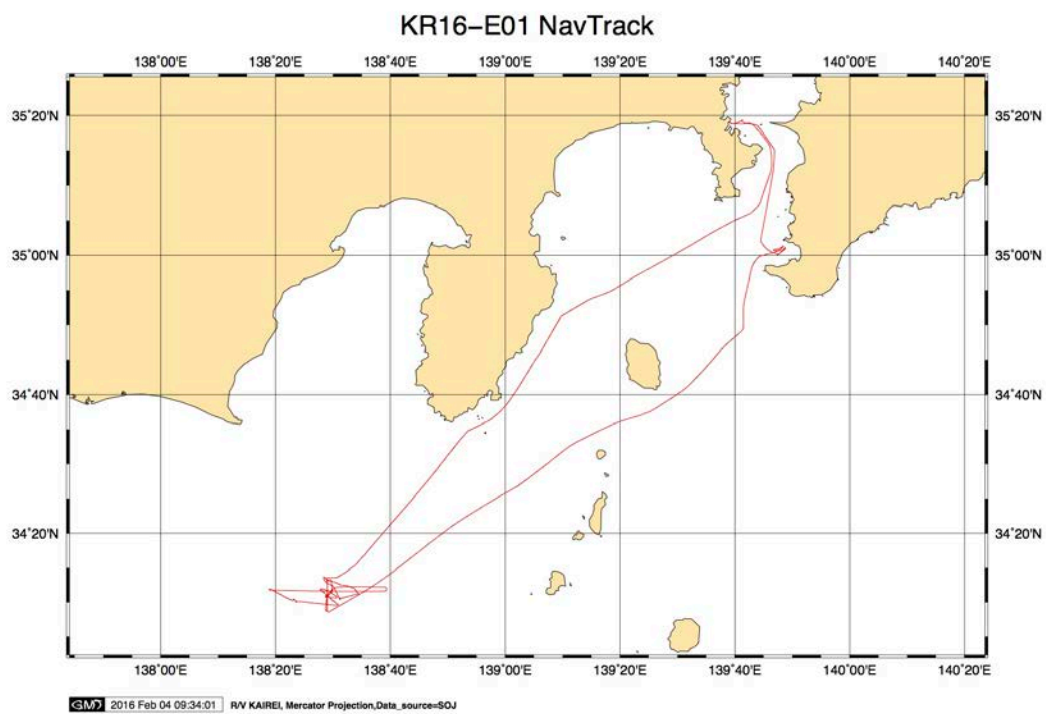


Fig. Cruise tracking.

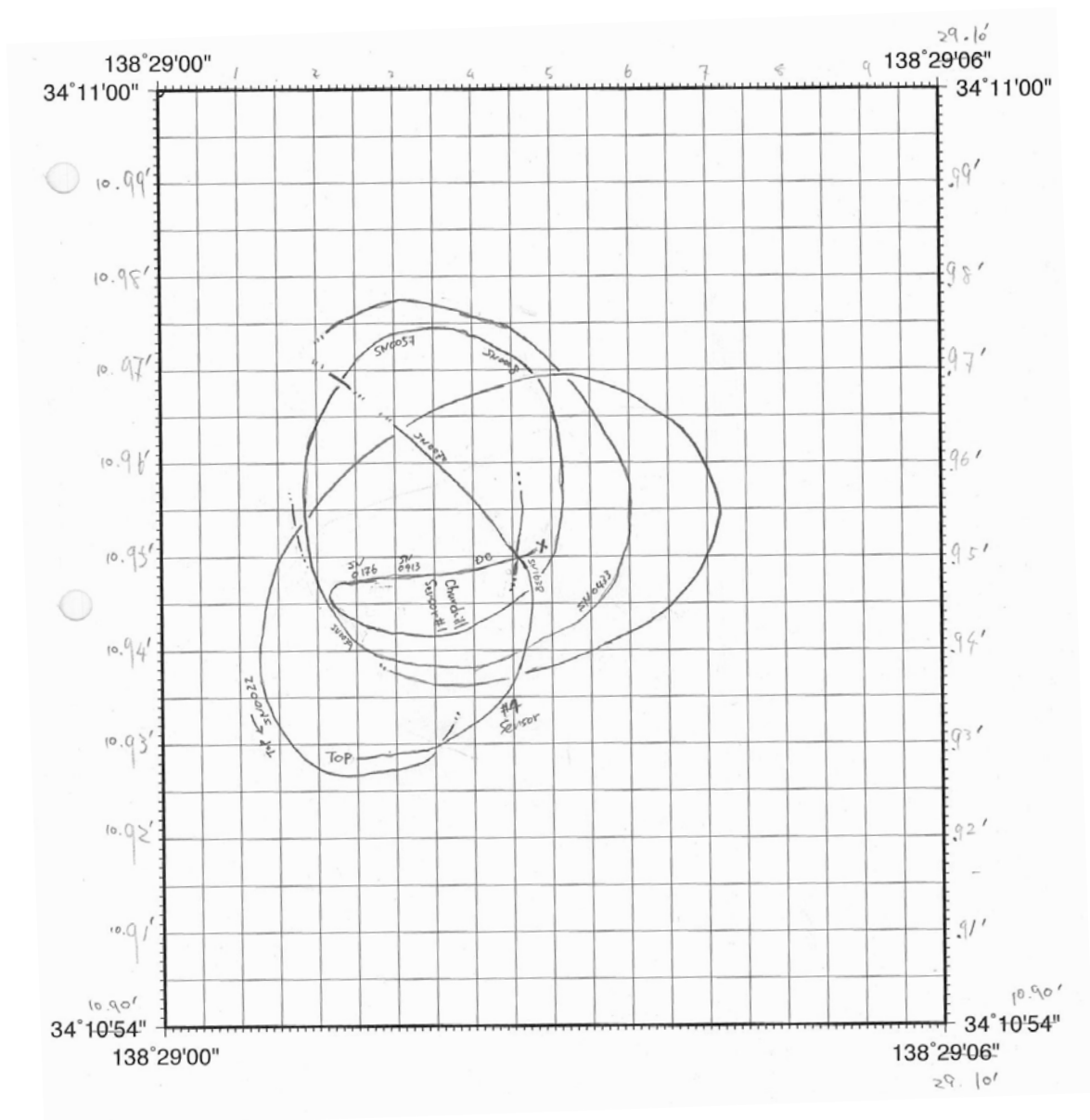


Fig. Pipe distribution on the seafloor.

2. Researchers

- Chief scientist: Taisei Nakamura [JAMSTEC]
- Representative of the science party: Taisei Nakamura [JAMSTEC] (There are no scientific proposals)
- Science party (List)
 - Kyoma Takahashi [Vice-Chief Scientist; JAMSTEC]
 - Shuusuke Machida [NME]
 - Asuka Oda [Observer; Kokusai Cable Ship Co.,Ltd.]

3. Observation

- Observation

This survey aimed to find the drill pipes and the bottom hole assembly (their total length was 1,420 m) dropped from D/V Chikyu on 2016-01-16. By two dives of ROV Kaiko Mk-IV down to 3,600 m on 2016-02-02 and -03, we observed at least 800 m of the pipes including the uppermost broken drill pipe, two out of three sensor bottles attached to the drill pipes and the Churchill Drift Catcher sub. A few drill collars (out of six) were also found continued from the Churchill sub, but we could not observe their bottom end since sediments covered it. The pipes coiled on the seafloor with the diameter range from 10 to 80 m. In addition, the two sensor bottles were removed from the drill pipes and recovered to the surface.

- R/V Kairei Cruise log

2016-02-01 15:00 Departure from JAMSTEC Headquarter, Yokosuka

2016-02-01 23:00 Arrival at the survey area

2016-02-02 05:03 XBT

2016-02-02 05:29—05:59 MBES-SBP

2016-02-03 16:51—17:21 MBES-SBP

2016-02-03 17:30 Departure from the survey area

2016-02-04 09:00 Arrival at JAMSTEC Headquarter, Yokosuka

- ROV Kaiko Mk-IV Dive information

Dive #686, 2016-02-02

07:36 The Launcher touched on the sea surface

10:28 The Launcher launched the Vehicle

11:36 The Vehicle touched on the seafloor

14:54 The Vehicle left the seafloor

15:08 The Vehicle docked with the Launcher

17:05 The Launcher was above the sea surface

Dive #687, 2016-02-03

07:40 The Launcher touched on the sea surface

10:45 The Launcher launched the Vehicle

10:57 The Vehicle touched on the seafloor

13:53 The Vehicle left the seafloor

14:04 The Vehicle docked with the Launcher

15:59 The Launcher was above the sea surface

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.