

Cruise summary

1. Cruise Information:

(1) Cruise number, Ship name: NT11-12, R/V Natsushima

(2) Title of the cruise: 2011FY “Seismic survey and seismicity study in off Shikoku”

(3) Chief Scientist [Affiliation]: Norio SHIMOMURA [JAMSTEC]

(4) Representative of Science Party [Affiliation]: Yoshiyuki KANEDA [JAMSTEC],

(5) Title of proposal:

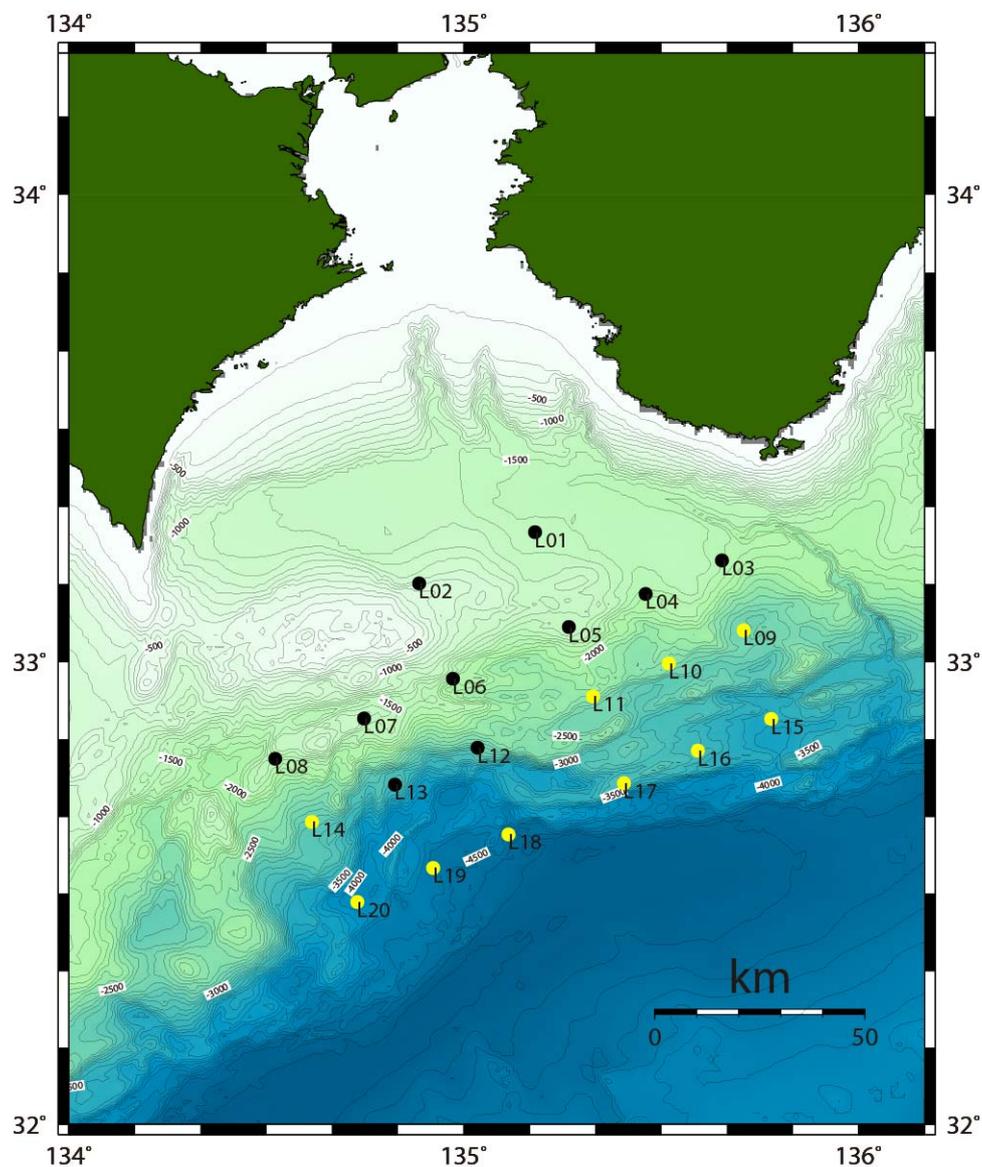
Research for Interaction between the Tokai, Tonankai and Nankai Earthquakes
- Seismic survey and seismicity study in off Shikoku -

(6) Cruise period, Port call:

2011/7/15-7/23, from JAMSTEC (Yokosuka) to JAMSTEC (Yokosuka)

(7) Research Area: from off Shikoku to off Kii Peninsula and Kii channel

(8) Research Area Map:



Black circles are the OBSs recovered during the cruise NT11-12. Yellow circles are unrecovered OBSs.

2. Overview of Observation:

(1) Objectives:

This research cruise was conducted as a part of the study of “Research program concerning interaction between the Tokai, Tonankai, and Nankai Earthquakes” funded by the Ministry of Education, Culture, Sports, Science, and Technology of Japan. The objectives of this cruise to reveal seismic structure and seismic activity in from off Shikoku to off Kii peninsula, Nankai trough.

During the cruise of NT11-12, 10 ocean bottom seismographs (OBSs) have been recovered. These OBSs were deployed during the cruise of KR10-11 by R/V Kairei in October 2010.

(2) Observations:

1) Recovery of ocean bottom seismograph (OBS)

During the cruse, only 10 of 20 OBSs have been retrieved, although 20 OBSs was planned to be retrieved. The rest of OBSs will be retrieved during the cruise KR11-09 by R/V Kairei in September 2011.

2) Others

During the cruse, bathymetry data have been recorded continuously.