

## Cruise summary

### 1. Cruise Information :

(1) Cruise number, Ship name: KY09-E01, R/V Kaiyo

(2) Title of the cruise: 2008FY “Seismic survey and seismicity study in Hyuga-nada”

(3) Chief Scientist [Affiliation]: Koichiro Obana [JAMSTEC]

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

(5) Title of proposal:

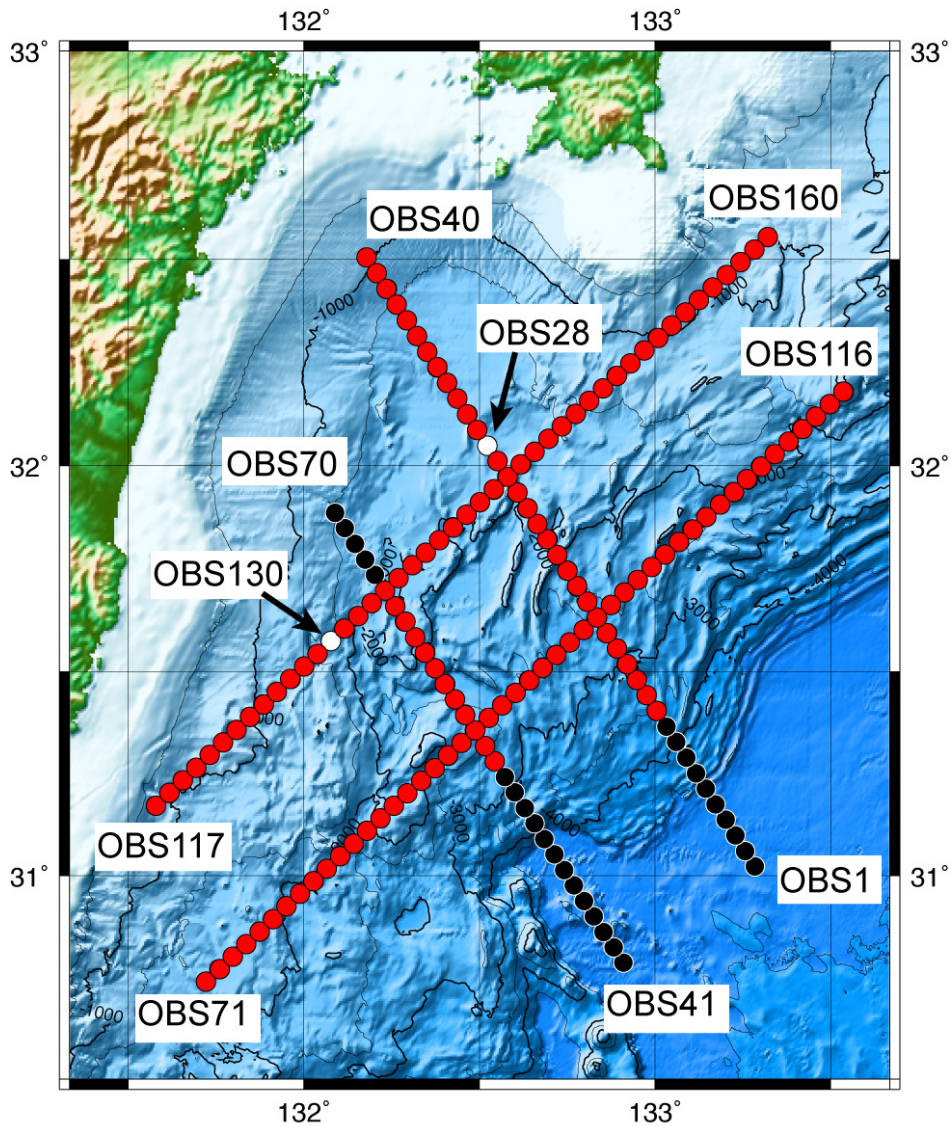
Research for Interaction between the Tokai, Tonankai and Nankai Earthquakes  
- Seismic survey and seismicity study in Hyuga-nada -

(6) Cruise period, Port call:

2009/1/14-1/28, from Yokohama (Yamashita) to JAMSTEC (Yokosuka)

(7) Research Area: Hyuga-nada

(8) Research Area Map:



Red and black circles are the OBSs recovered during the cruise KR09-E01 and KR08-16, respectively. Open 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 Hyuga-nada, Nankai trough.

During the cruise of KY09-E01, 130 ocean bottom seismographs (OBSs) have been recovered. These OBSs were deployed during the cruise of KR08-16 by R/V Kairei in December 2008.

### (2) Observations:

#### 1) Recovery of ocean bottom seismograph (OBS)

During the cruise of KY08-E01, 130 OBSs have been retrieved. Two OBS at site 28 and 130 have not been recovered.

#### 2) Others

During the cruise, bathymetry data have been recorded continuously.