Cruise summary

1. Cruise Information:

(1) Cruise ID: KY14-05

(2) Name of vessel: R/V Kaiyo

(3) Title of the cruise: 2014FY "Seismicity observation from trench axis to outer rise area and IODP study for Kanto Asperity Project"

(4) Chief Scientist [Affiliation]: Seiichi Miura [JAMSTEC]

(5) Representative of Science Party [Affiliation]:

Proposal1: Shuichi Kodaira [JAMSTEC]

Proposal2: Saneatsu Saito [JAMSTEC]

(6) Title of proposal:

Proposal1: Geological and geophysical study for great earthquake and tsunami at subduction zone: seismic observation from trench axis to outer rise area

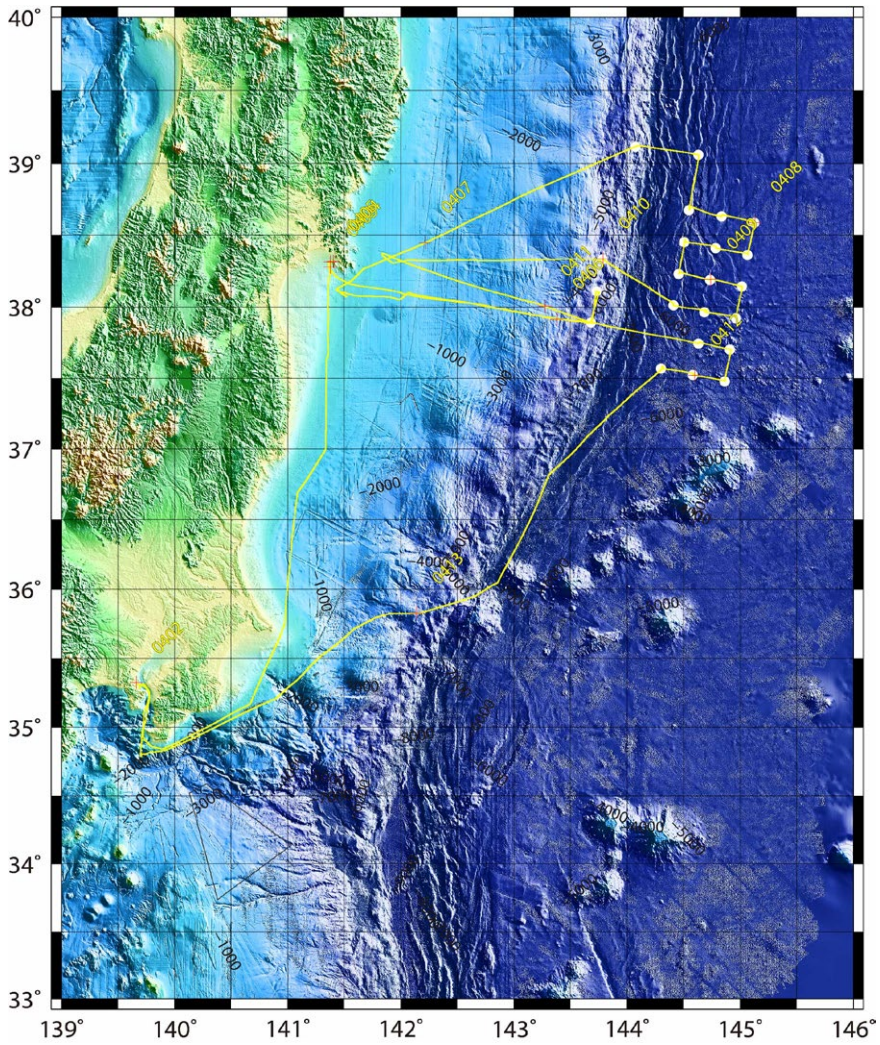
Proposal2: IODP study for Kanto Asperity Project

(7) Cruise period: 2014/4/2-4/14

(8) Ports of call: Yokosuka to Yokosuka

(9) Research Area: Japan Trench and Izu-Ogasawara

(10) Research Map:



2. Overview of the Observation:

(1) Objectives：

For the proposal "Geological and geophysical study for great earthquake and tsunami at subduction zone: seismic observation from trench axis to outer rise area", we retrieved ocean bottom seismographs (OBS) deployed by R/V Kairei in August, 2013.

For the proposal "IODP study for Kanto Asperity Project ", we had planned to conduct a multi-channel reflection seismic (MCS) survey using portable MCS system at the Izu-Ogasawara area. However the MCS survey was canceled for bad weather.

(2) Observations:

1) Retrieval of OBS:

OBS were retrieved by anchor release with acoustic communications and pick-up at sea surface.

2) Bathymetry observation:

During the cruise, bathymetry data has been recorded continuously by SEABEAM2100.

3) XBT:

We have conducted one XBT to correct the sonic speed for the bathymetry survey.