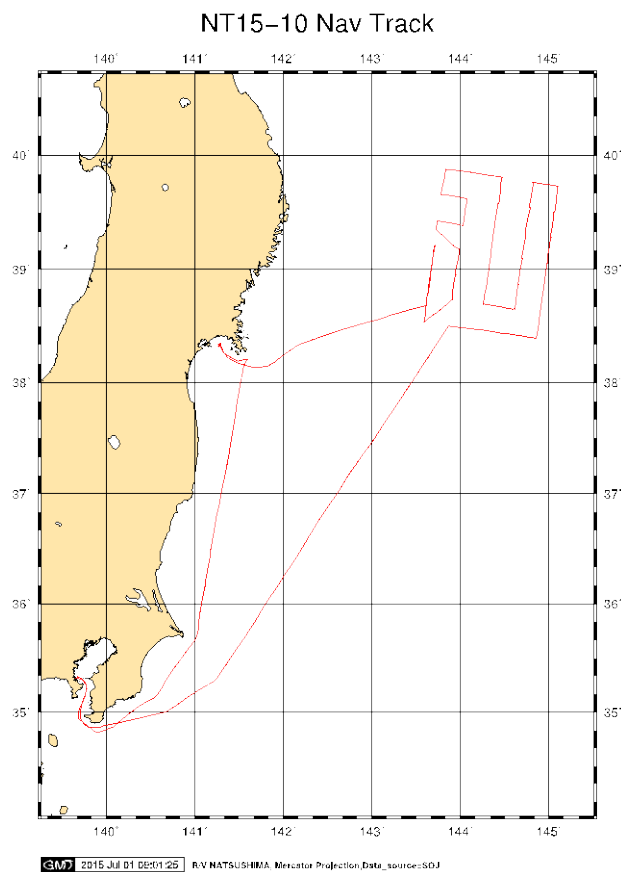


Cruise Summary

1. Cruise Information :

- (1) Cruise number, Ship name: NT15-10, S/V Natsushima
- (2) Title of the cruise: 2015FY “Marine geological and geophysical surveys to investigate the nature of subduction zone mega earthquake and tsunamis 5. Seismicity observation in the outer rise and trench axis region” (OBS deployment)
- (3) Title of proposal: Marine geological and geophysical surveys to investigate the nature of subduction zone mega earthquake and tsunamis 5. Seismicity observation in the outer rise and trench axis region
- (4) Cruise period, Port call:
2015/6/23-7/1, JAMSTEC (Yokosuka) to JAMSTEC (Yokosuka)
- (5) Research Area: Japan trench area
- (6) Ship track:



2. Researchers

- (1) Chief Scientist [Affiliation]: Yuka KAIHO [JAMSTEC]
- (2) Representative of Science Party [Affiliation]:

Shuichi KODAIRA [JAMSTEC]

(3) Science party list:

Shuichi KODAIRA [JAMSTEC]

Koichiro OBANA [JAMSTEC]

Tsutomu TAKAHASHI [JAMSTEC]

Yojiro YAMAMOTO [JAMSTEC]

Yasushi ISHIHARA [JAMSTEC]

Takashi TONEGAWA [JAMSTEC]

Seiichi MIURA [JAMSTEC]

Gou FUJIE [JAMSTEC]

Yasuyuki NAKAMURA [JAMSTEC]

Yuka KAIHO [JAMSTEC]

3. Overview of Observation :

(1) Objectives :

The objectives of this cruise are to reveal the nature of subduction zone mega earthquake through observation of natural earthquakes.

Historical large earthquake 1896 Meiji Sanriku and large tsunami earthquake 1933 Showa Sanriku are occurred in the northern part of Japan trench area. To reveal the seismicity, focal mechanism and peculiar events such as low frequency earthquakes in this area, earthquake observation was conducted. Results of this study will contribute to understand the nature of subduction zone great earthquakes, outer rise earthquakes and incidental Tsunamis.

(2) List of observations :

1) Deployment of ocean bottom seismometers (OBSs)

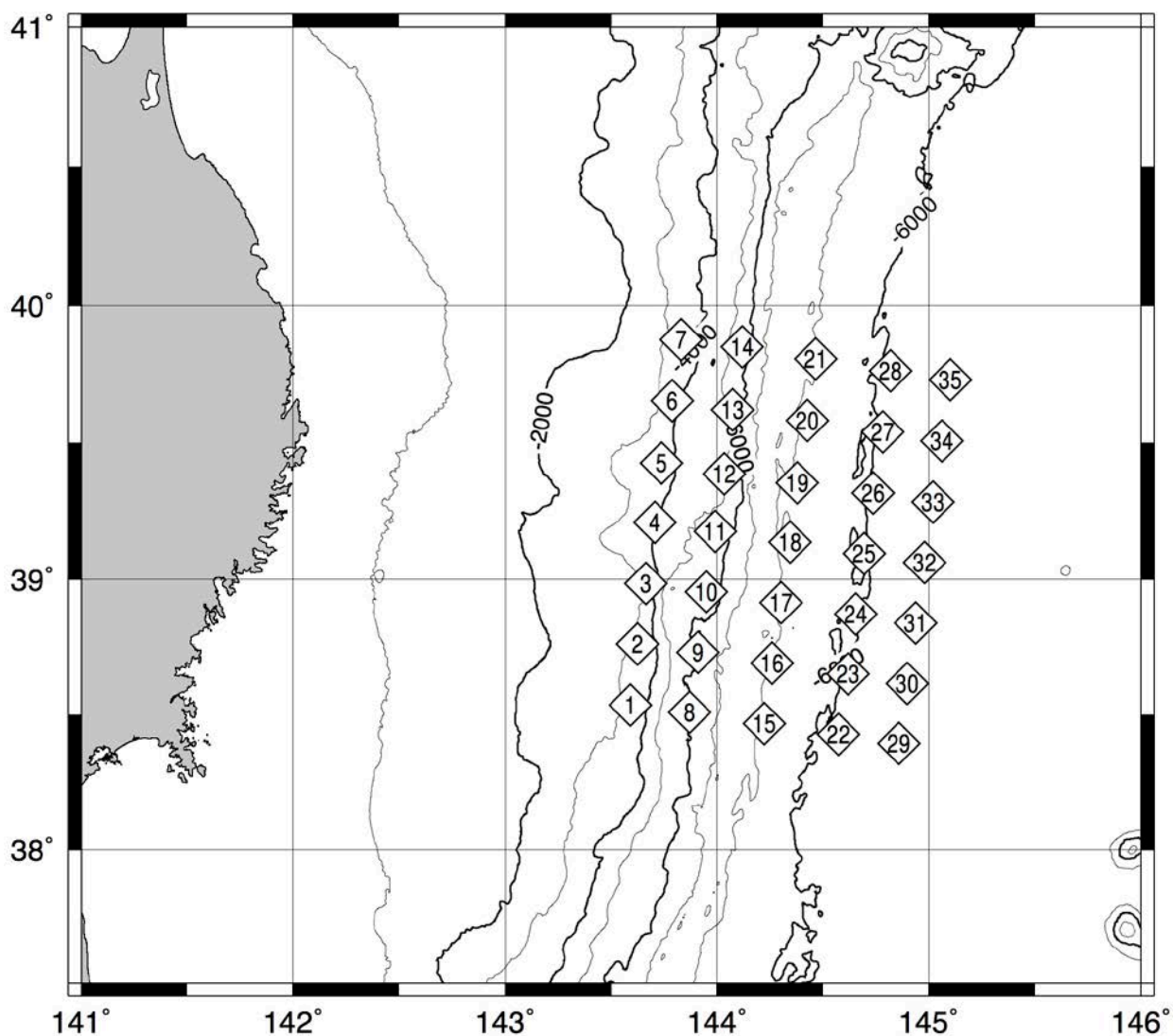
35 OBSs (recovery cruise is KY15-14) were deployed.

(3) Cruise log:

Date		Remarks
2015/6/23	Tue.	Departure from JAMSTEC (Yokosuka), and transit to survey area
2015/6/24	Wed.	Deployment of 3 OBSs
2015/6/25	Thu.	Deployment of 10 OBSs
2015/6/26	Fri.	Deployment of 12OBSs
2015/6/27	Sat.	Deployment of 10 OBSs
2015/6/28	Sun.	Standby due to weather condition
2015/6/29	Mon.	Standby due to weather condition
2015/6/30	Tue.	Transit to Yokosuka
2015/7/1	Wed.	Arrival at Yokosuka HQ

(4) Observation

1) Location map of OBSs



Diamonds show the deployed OBS positions.

4. Notice on using:

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.