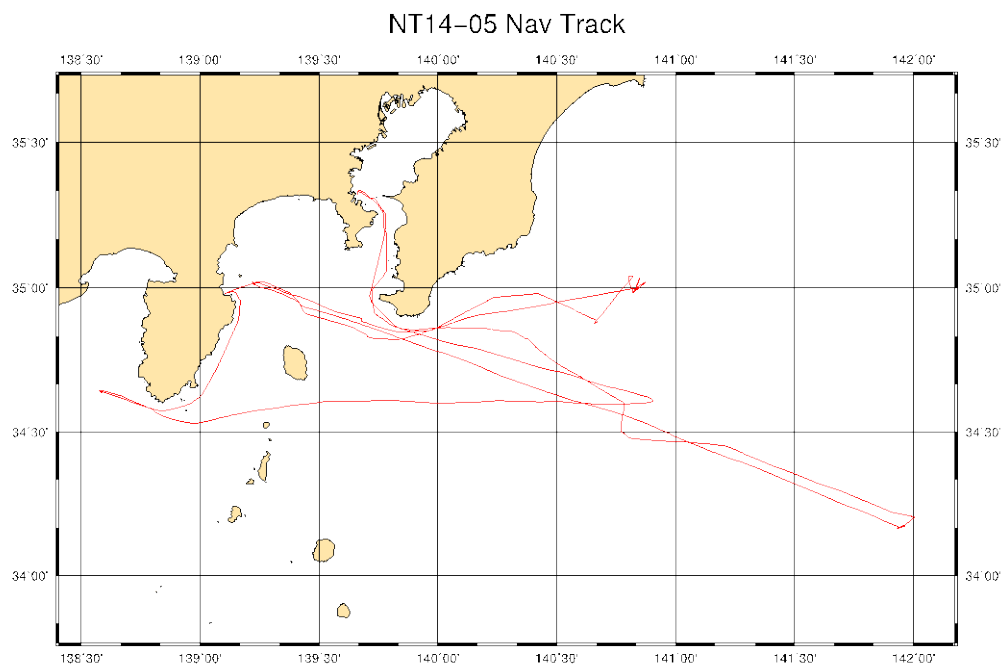


Cruise Summary

1. Cruise Information

- Cruise ID: NT14-05
- Name of vessel: R/V Natsushima
- Title of the cruise: Biological Research in Off Hatsushima and Earthquake Research in Off Bousou
- Chief scientist: Tetsuro Ikuta (JAMSTEC)
- Representative of the Science Party:
 - 1) Tetsuro Ikuta (JAMSTEC)
 - 2) Hajime Shiobara(Earthquake Research Institute, University of Tokyo)
- Title of proposal
 - 1) Transmission and distribution analysis of intracellular bacterial symbiont from *Calyptogena* clams
 - 2) Development for the latest ocean bottom seismic and tilt measurements.
- Cruise period: April 2, 2014 ~ April 8, 2014
- Ports of call: from Sumitomo Juko (April 2, 2014) to Sumitomo Juko (April 8, 2014)
- Research area: Off Hatsushima, Sagami Bay and Off Boso
- Research map:



2. Overview of the Observations

In this cruise, two proposals participated. To investigate these objectives, we planned to two dive days at Sagami Bay, and one dive and one operation day at Off Bouso (seven days in total). During the cruise, several biological samples, such as *Calyptogena* clams, *Bathymodiolus* mussels, tubeworms, etc., and segment by H-type cores were collected. We also retrieved ocean bottom seismometers for the latest broadband seismic and tilt measurements and for areas of the ultra deep sea. Detailed analyses of these samples will be performed after the cruise.