

Cruise Summary

1. Cruise Information

Cruise ID:	KY12-06
Vessel Name:	R/V Kaiyo
Cruise Title:	Mooring system installation in Kumano-nada, a site survey for IODP Expeditions
Chief Scientist:	Kan Aoike (CDEX, JAMSTEC)
Representative of Science Party:	Moe Kyaw Thu (CDEX, JAMSTEC)
Cruise Period:	1 April 2012 ~ 4 April 2012
Ports of call:	Yokosuka (JAMSTEC) – Yura (MES Yura)
Survey Area:	Kumano-nada, about 60 km southeast of the Kii Peninsula.

2. Overview of the Survey

2.1. Objectives

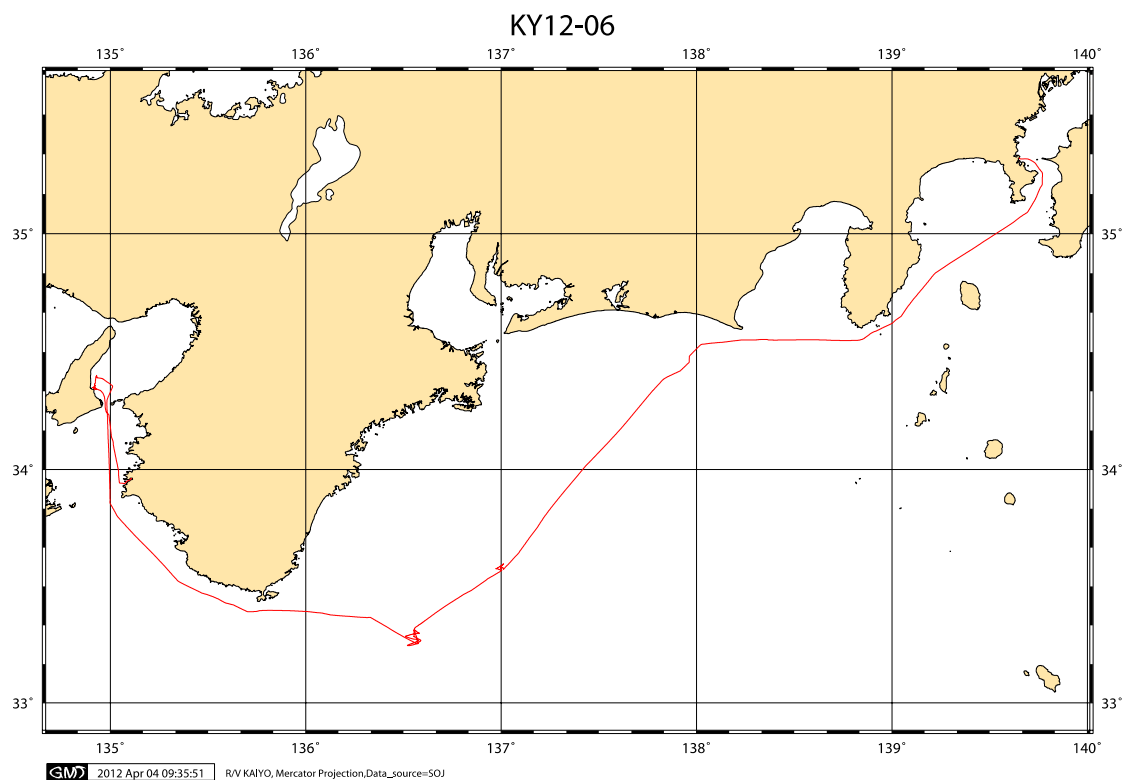
The R/V Kaiyo KY12-06 cruise is aimed at installing two sets of mid-water mooring systems for monitoring sea currents near IODP site C0002 in the Nankai Trough as a site survey of NanTroSEIZE project. The purpose of the monitoring is to get sea current data for a riser analysis of D/V Chikyu for safety assessment of drilling in a high current area where the Kuroshio Current passes.

2.2. Results

R/V Kaiyo left the JAMSTEC quay on April 1 on day earlier than planned, because a weather forecast reported that we would have a very severe sea condition on April 3. She arrived at the site in the morning on April 2 and we conducted the mooring installation. After completion of the installation, she moved to the Osaka Bay and stay in off Sumoto City, Awaji-shima, on April 3 for evacuation from rough sea condition due to a low pressure. Finally she was alongside the MES Yura dock in the morning on April 4 as scheduled.

We succeeded to install newly designed mid-water mooring systems for Kuroshio

Current monitoring to two locations in the west and in the west-southwest of IODP Site C0002, Nankai Trough. The position of each location could be determined precisely by triangular ranging with the acoustic releasers. The mooring systems will be retrieved after one year or earlier.



The ship track of KY12-06