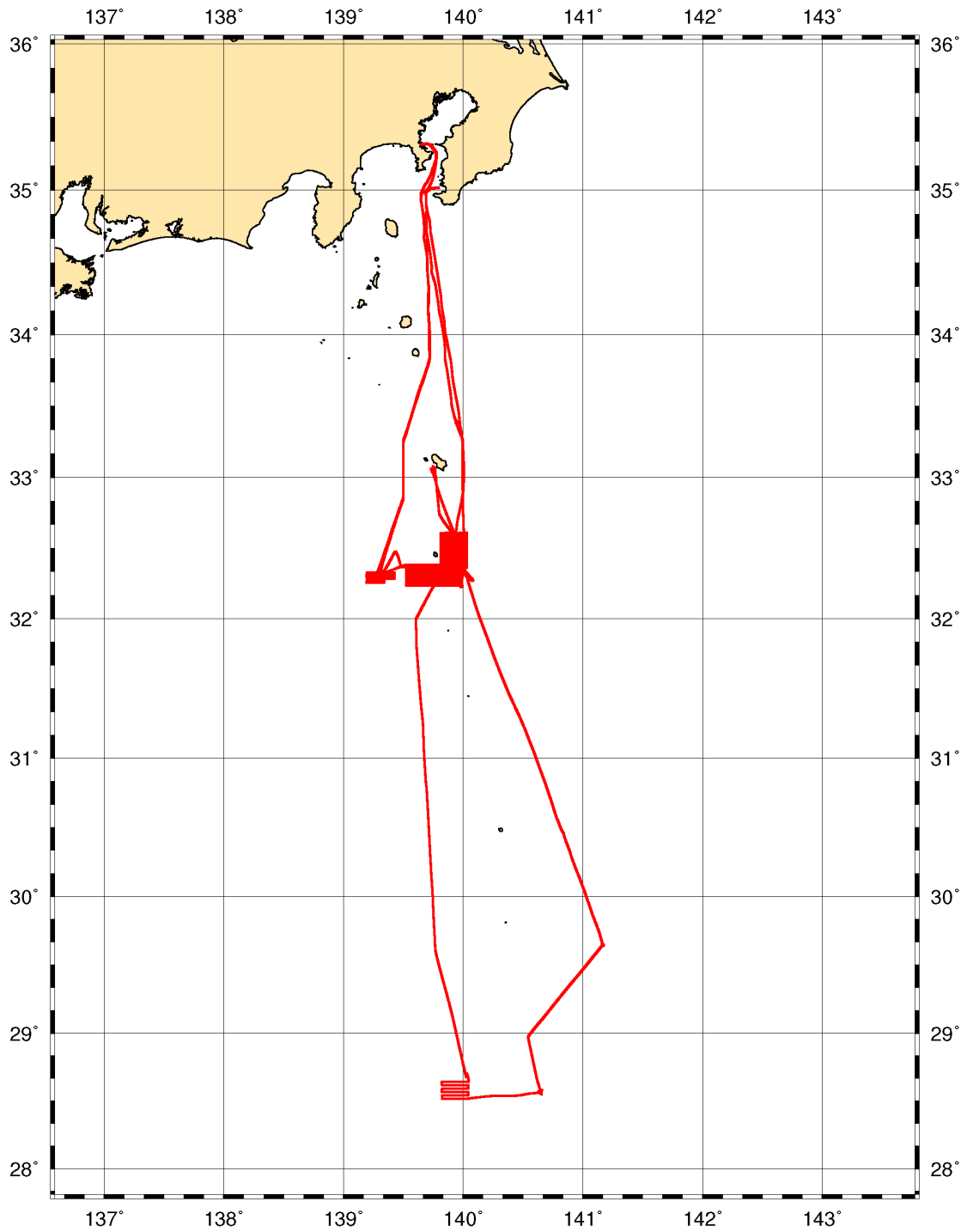


Cruise Summary

1. Cruise Information

- (1) **Cruise ID:** YK21-10
- (2) **Vessel:** S/V YOKOSUKA
- (3) **Cruise Title**
Scientific research toward sustainable utilization of marine resources
- (4) **Chief Scientist**
Hidenori Kumagai (JAMSTEC)
- (5) **Representative of the Science Party**
P21-15 Katsuhiko Suzuki (JAMSTEC)
- (6) **Research Titles**
P21-15 Scientific research toward sustainable utilization of marine resources
- (7) **Cruise Period**
2021/06/12 - 2021/06/25
- (8) **Ports of departure/call/arrival**
Yokosuka - Yokosuka
- (9) **Research Area**
Shichito-Ioto Ridge
- (10) **Cruise Track**

YK21-10 Nav Track



2. Overview of the Observation

In Higashi-Aogashima Caldera, Daini Nishi-Aogashima Knoll, and Suiyo Smt, dives of AUV Urashima were conducted to observe local topography, SP and watermass signature using chemical sensors. In addition, sea-trial of towed magnetometer assembled to YKDT was also carried out. Besides typical geophysical survey towing proton-magnetometer around and southern from Higashi-Aogashima Caldera and backarc knoll 29[deg]-N, detailed bathymetry of narrow swath w/dense track was also obtained at Higashi-Aogashima caldera and daini Nishi-Aogashima knoll.