



Title	9.THE "OSHORO MARU" CRUISE 034 to TATEYAMA-BAY and SAGAMI-NADA in DECEMBER 2016
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**THE "OSHORO MARU" CRUISE 034
TO TATEYAMA-BAY and SAGAMI-NADA
IN DECEMBER 2016**

1. Cruise Itinerary

Cruise 034

Departure from Yokohama (Leg1)	Dec. 15, 2016
Start and end of oceanographic research	16
Arrival at Yokohama	17
Departure from Yokohama (Leg2)	19
Return to Hakodate	22

Total coverage 721.2 miles

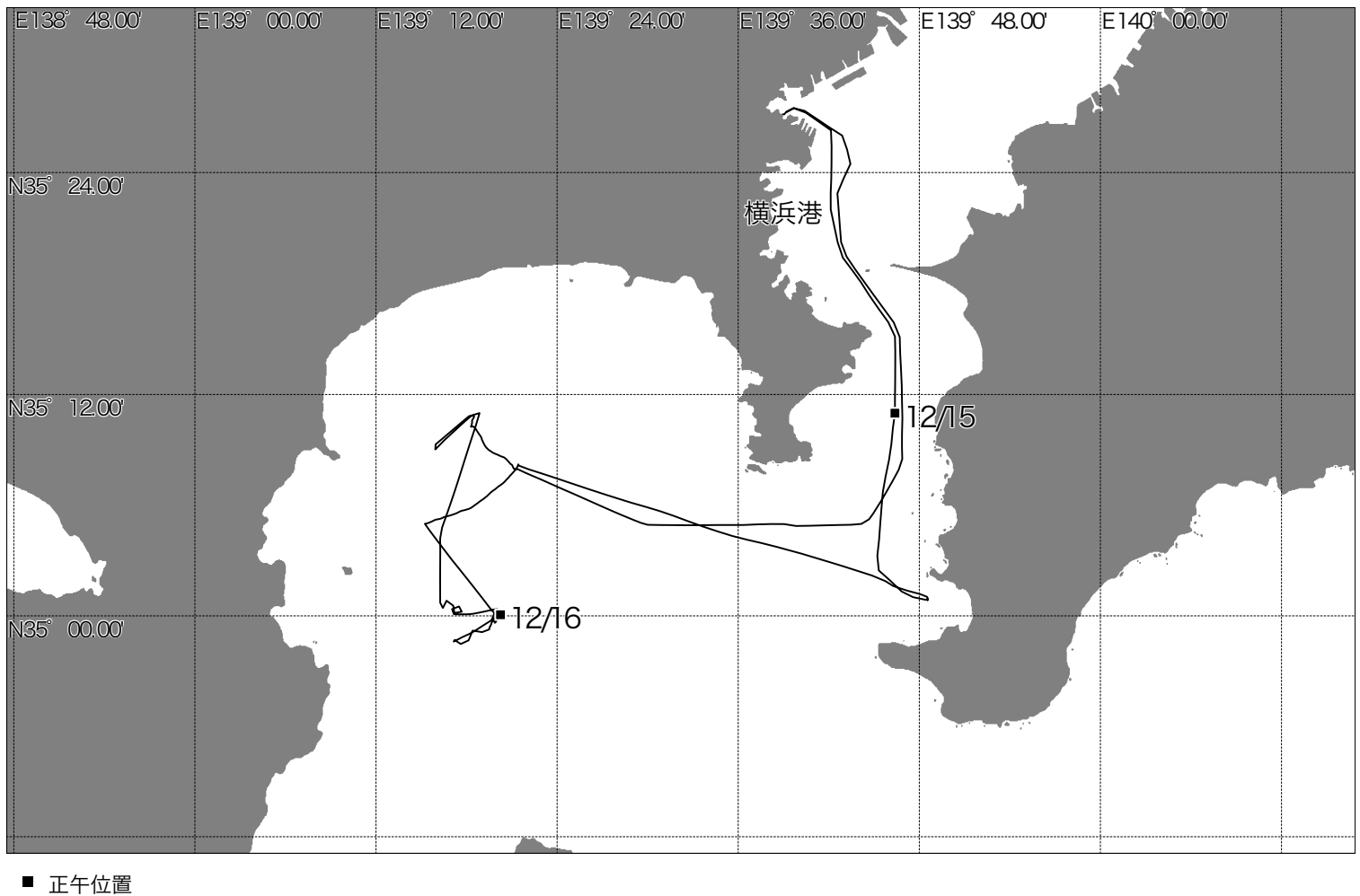
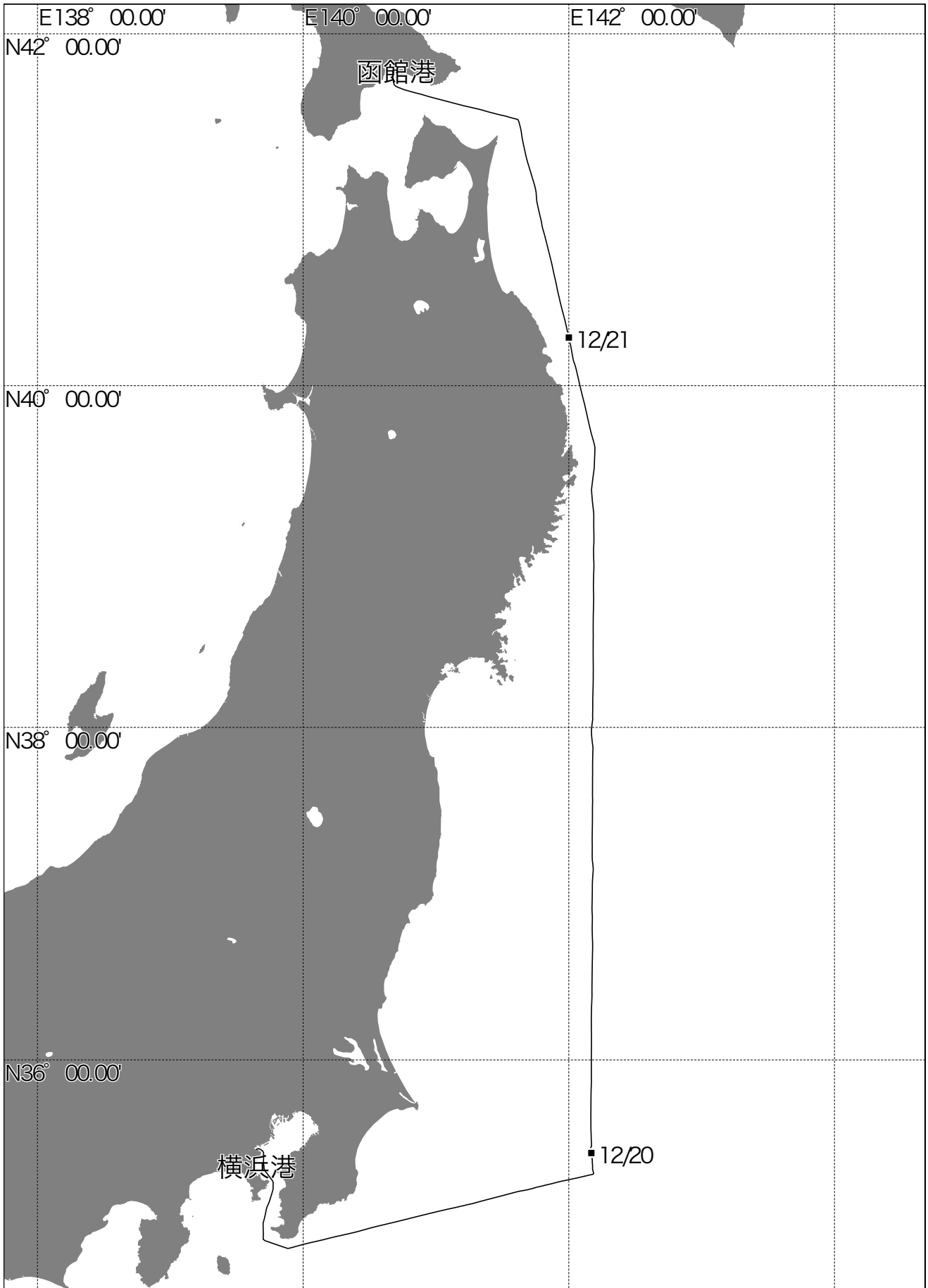


Fig.-1.1: Noon Position (Leg1)



■ 正午位置

Fig.-1.2: Noon Position (Leg2)

2. Vessel Personnel

Crew: Captain: Associate Professor Shogo Takagi
And 31 persons

Under Graduate instructor: Specially Appointed Assistant Professor (School of Fisheries Sciences, Hokkaido University)

Leg1 Mitsuhiro Nakaya
Professor (Laboratory of Coastal Marine Biology and Ecology, Kitasato University)

Leg1 Ryusuke Kado
Lecturer (School of Marime Bioscience, Kitasato University)

Leg1 Noriko Amiya
Lecturer (School of Marime Bioscience, Kitasato University)

Leg1 Ko Yasumoto
Assistant Professor (School of Marime Bioscience, Kitasato University)

Leg1 Fumiya Furukawa

Teaching Assistant: Leg1 3 persons

Under Graduate Student: Leg1 39persons

Other: 2 engineers from The Tsurumi Seiki Co.,Ltd.
1 engineer from Mitsui E&S