



HOKKAIDO UNIVERSITY

Title	8 THE "OSHORO MARU" CRUISE 022 TO TATEYAMA-BAY and SAGAMI-NADA IN DECEMBER 2015
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**THE "OSHORO MARU" CRUISE 022
TO TATEYAMA-BAY and SAGAMI-NADA
IN DECEMBER 2015**

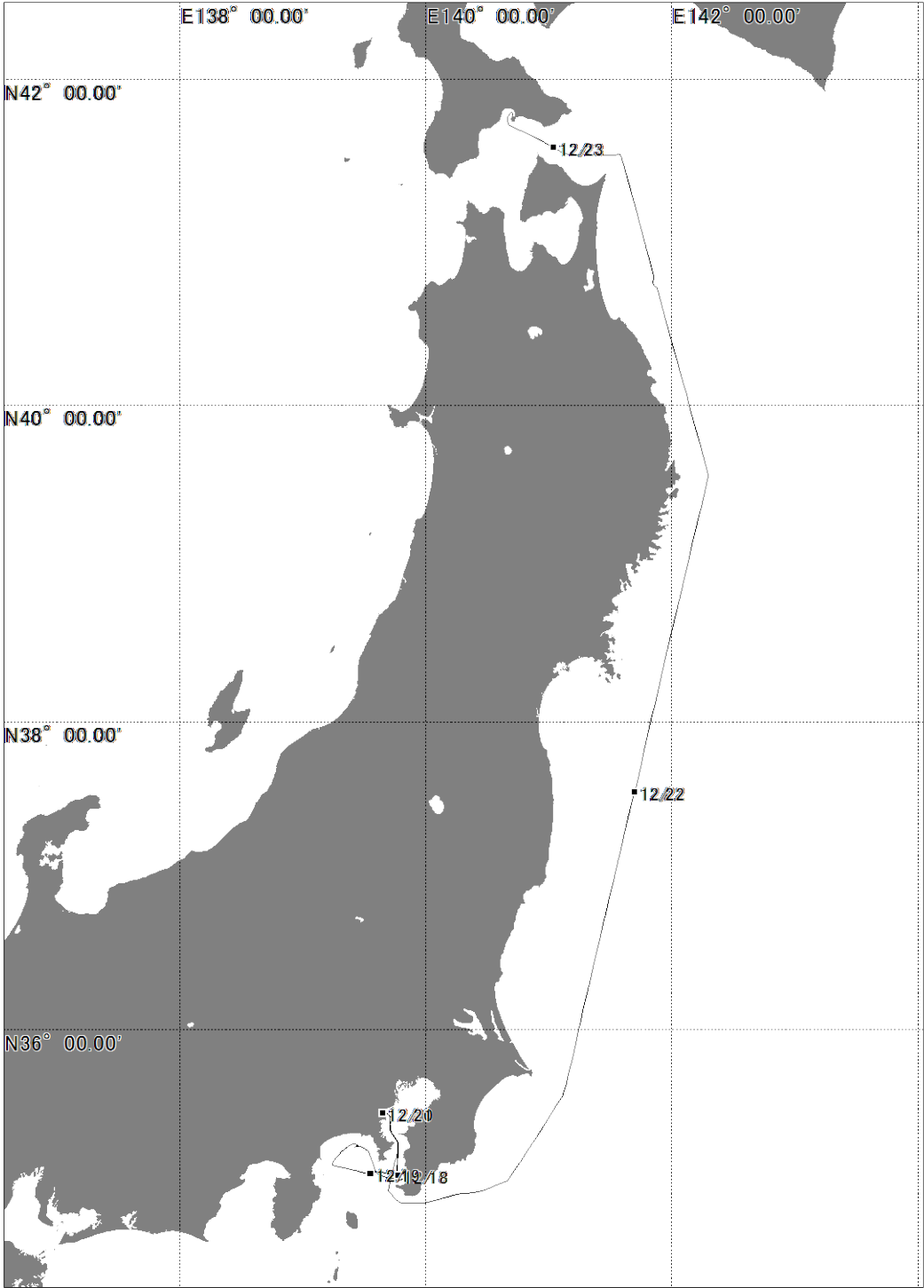
1.Cruise Itinerary

Cruise 022

Departure from Yokohama (Leg1) and start hydrographic research
Finish hydrographic research
Arrival at Yokohama
Departure from Yokohama (Leg2)
Return to Hakodate

Dec. 18, 2015
19
20
21
24

Total coverage 565.6 miles



■ 正午位置

Fig.-1: Noon Position

2. Vessel Personnel

Crew:	Captain:	Associate Professor	Shogo Takagi
			And 30 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 Marine Bioscience, Kitasato University)	Leg1	Noriko Amiya
	Teaching Assistant:	Leg1	3persons
	Under Graduate Student:	Leg1	59persons