



Title	6.THE "OSHORO MARU" CRUISE 031 to SEA OF JAPAN in OCTOBER 2016
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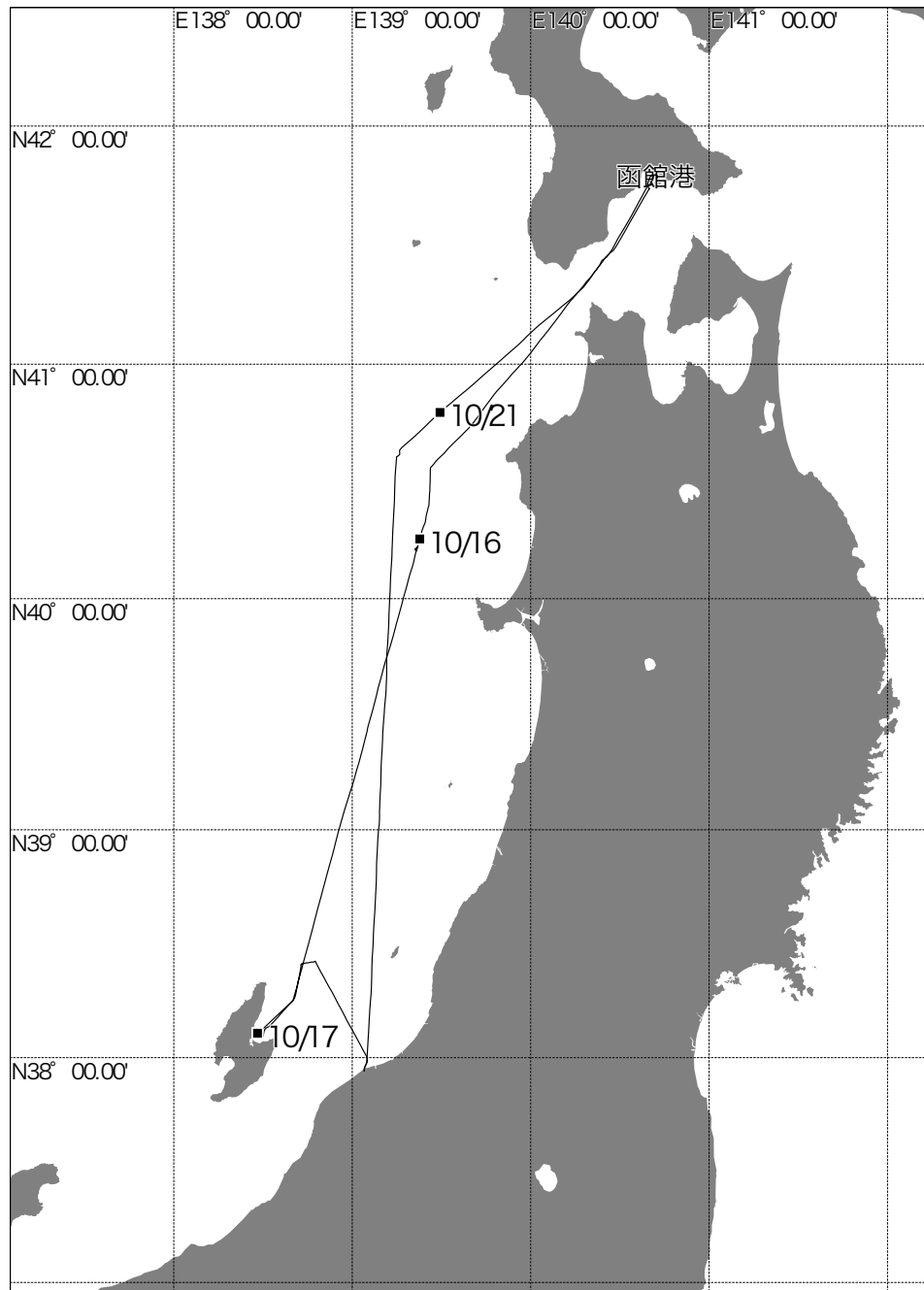
**THE "OSHORO MARU" CRUISE 031
TO SEA OF JAPAN
IN OCTOBER 2016**

1. Cruise Itinerary

Cruise 031

Departure from Hakodate (Leg1)	Oct. 15, 2016
Start of oceanographic research	16
End of oceanographic research	17
Arrival at Niigata	18
Departure from Niigata (Leg2)	20
Return to Hakodate	22

Total coverage 789.7 miles



■ 正午位置

Fig.1: Noon Position

2. Vessel Personnel

Crew: Captain: Associate Professor Shogo Takagi
And 30 persons

Under Graduate instructor: Professor (Laboratory of Marine Environment and Resource Sensing, Hokkaido University)

Tohru Mukai

Professor (Laboratory of Marine Environment and Resource Sensing, Hokkaido University)

Yasuzumi Fujimori

Assistant Professor (Field Science Center for Northern Biosphere, Hokkaido University)

Jun Yamamoto

Teaching Assistant: 4 persons

Under Graduate Student: 39 persons

Other: 2 engineers from The Tsurumi Seiki Co.,Ltd.

1 engineer from Mitsui E&S

2 engineers from Nippon Kaiyo Co.,Ltd.