



Title	1.THE "OSHORO MARU" CRUISE 023 TO EAST OF THE TSUGARU STRAIT (IBURI / HIDAHA OFFING) IN MARCH 2016
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**THE "OSHORO MARU" CRUISE 023
TO EAST OF THE TSUGARU STRAIT
(IBURI / HIDAKA OFFING)**

IN MARCH 2016

1. Cruise Itinerary

Cruise 023

Departure from Hakodate

Mar. 03, 2016

Start of oceanographic research

04

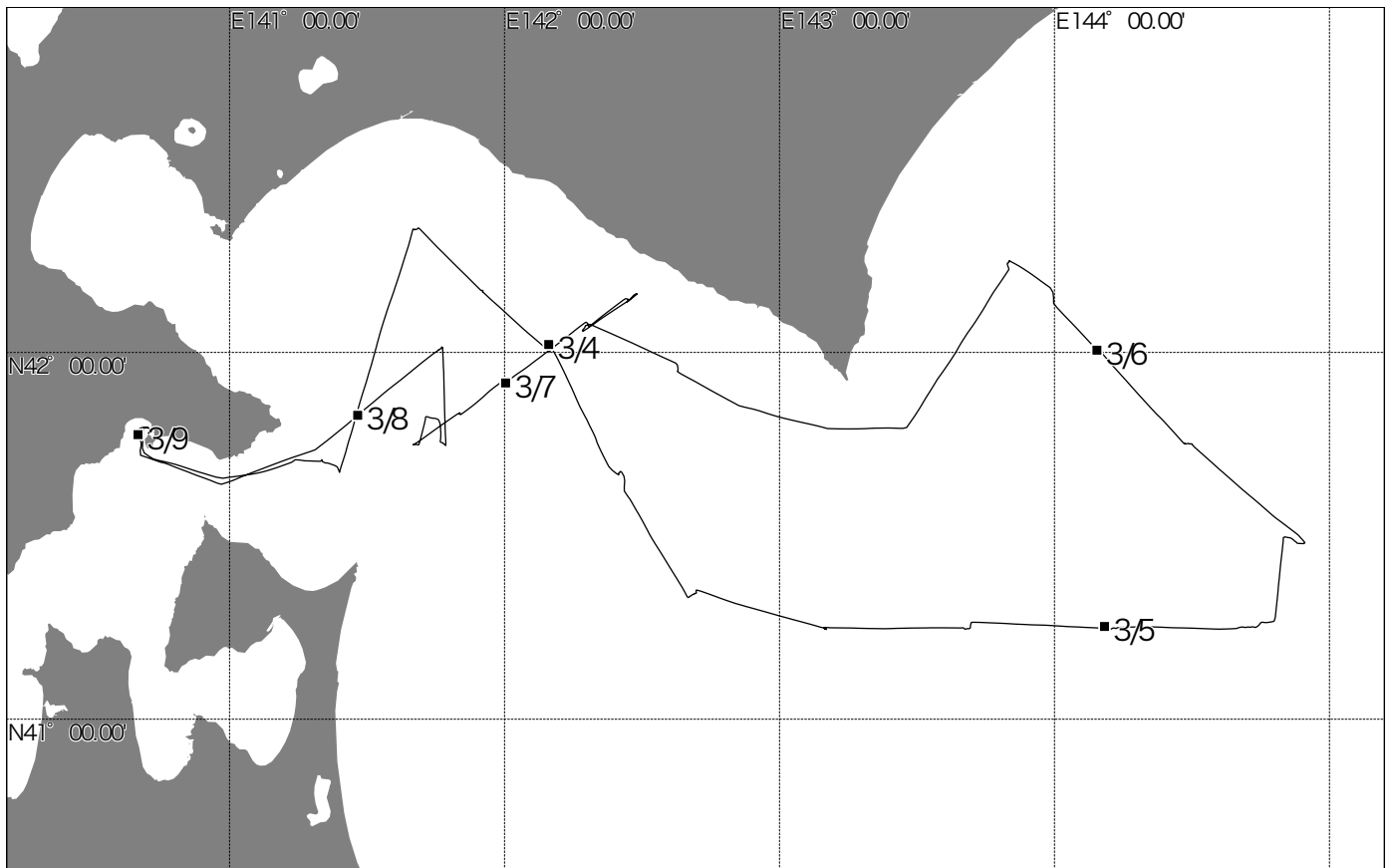
End of oceanographic research

08

Return to Hakodate

10

Total coverage 553.8 miles



■ 正午位置

Fig.1: Noon Position

2. Vessel Personnel

Crew: Captain: Associate Professor Shogo Takagi
And 30 persons

Under Graduate instructor: Associate Professor (Laboratory of Marine Environmental Science, Hokkaido University)
Yutaka Isoda
Associate Professor (Laboratory of Marine Environmental Science, Hokkaido University)
Hiromichi Ueno
Assistant Professor (Laboratory of Marine Environmental Science, Hokkaido University)
Hiroji Oonishi

Teaching Assistant: 4 persons

Under Graduate Student: 33 persons