



Title	6 THE "OSHO RO MARU" CRUISE 271 TO IWATE OFF AND IBARAKI OFF IN JUNE 2014
Citation	海洋調査漁業試験要報, 58: 34-37
Issue Date	2017-03-31
Doc URL	http://hdl.handle.net/2115/64978
Type	bulletin (other)
File Information	Data.Rec.Oceanogr.Obs.Expl.Fish.58.34.pdf



[Instructions for use](#)

**THE "OSHORO MARU" CRUISE 271
TO IWATE OFF AND IBARAKI OFF**

IN JUNE 2014

1. Cruise Itinerary

Cruise 271

Departure from Hakodate	June	16	2014
Start hydrographic research (OS14095)		17	
Finish hydrographic research (OS14101)		18	
Arrival at Tamano		21	
Total coverage 906.2 miles			

2. Vessel Personnel

Crew:	Captain:	
	Associate Professor	Shogo Takagi
		And 28 persons

Research Staff:

	Assistant Professor (Laboratory of Marine Environmental Science, Hokkaido University)
	Hiroji Onishi
Technical Staff:	1 person
Undergraduate Students:	1 Person
	Total 3 persons

3. Items of Research

Hydrographic observations: (Observation of Temperature, Salinity, and Computed Dynamic Depth Anomaly)

Hydrographic work on deck and the data processing were made by the Science officer, the deck officers, crews, research staff and cadets of the "Oshoro maru". Temperature and salinity were measured by CTD (Seabird SBE-9Plus) and XCTD.

Table 1. List of Oceanographic station

Station	Lat.	Long.	Date (GMT)	Hour (GMT)	T.Z.	Depth	Col.	Tr.	SST	Wr.	Gear
OS14095	40 00.21 N	142 14.92 E	6/16	18:23	9	230	-	-	13.4	bc	XCTD-1
OS14096	39 30.07 N	142 10.98 E	6/16	20:48	9	230	-	-	16.7	bc	XCTD-1
OS14097	39 00.13 N	142 00.00 E	6/16	23:12	9	196	-	-	14.6	bc	XCTD-1

T.Z.: Time Difference between G.M.T and S.M.T.

Col.: Water color in Forel-Ule scale

Tr.: Transparency in meters with Secchi disc

SST: Surface temperature

Wr.: Weather in WMO Code 4501

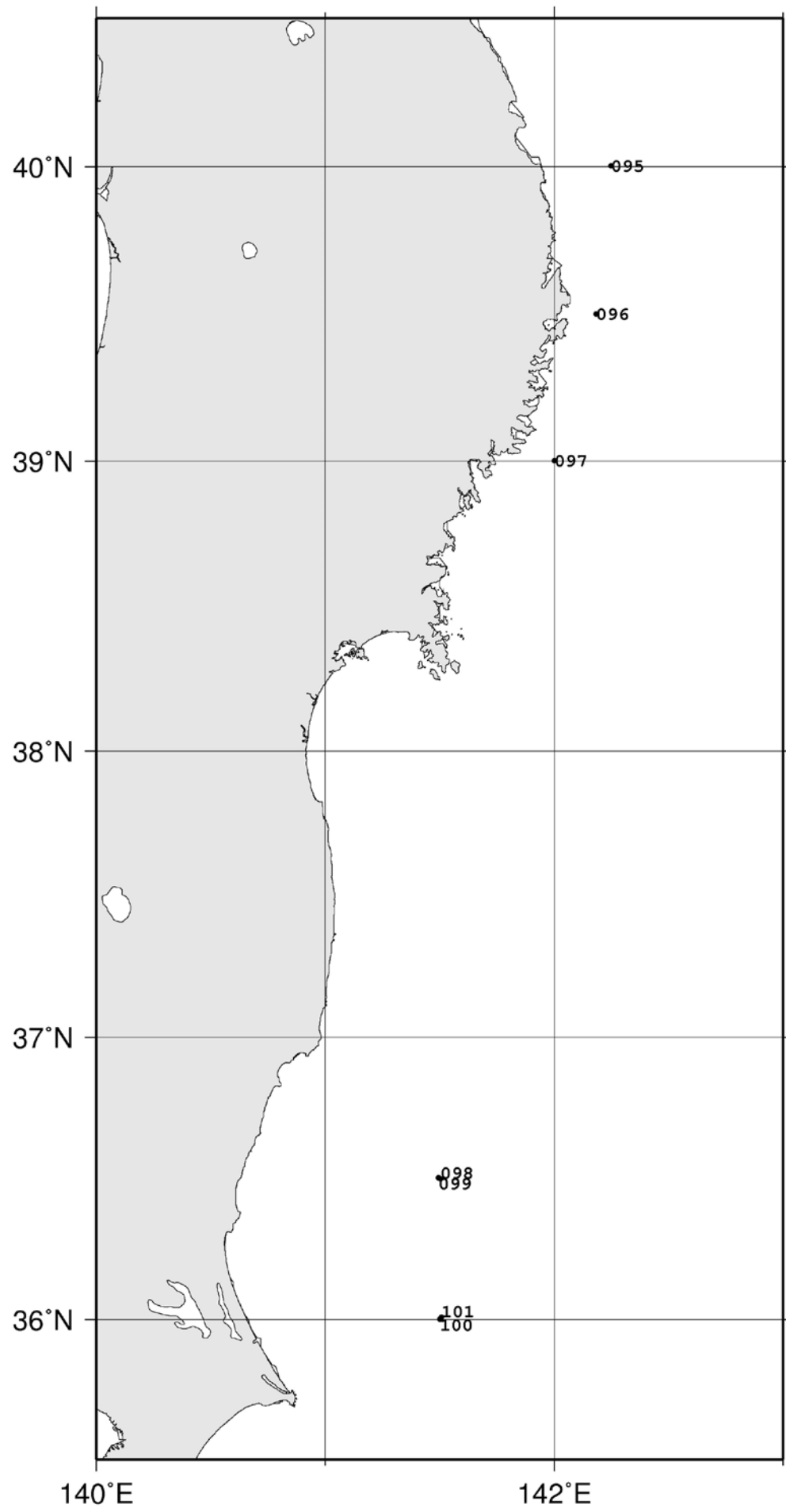


Fig.-1. Oceanographic stations

Table 2. Oceanographic data

Station OS14095				Station OS14096				Station OS14097			
Latitude 40-00.21N				Latitude 39-30.07N				Latitude 39-00.13N			
Longitude 142-14.92E				Longitude 142-10.98E				Longitude 142-00.00E			
Depth(m) 230				Depth(m) 230				Depth(m) 196			
Depth	Temp.	Sal.	SIG-T	Depth	Temp.	Sal.	SIG-T	Depth	Temp.	Sal.	SIG-T
5	12.296	33.001	-	5	15.819	33.136	-	5	12.930	33.235	-
10	11.939	33.090	-	10	14.256	33.059	-	10	12.564	33.263	-
20	11.241	33.529	-	20	14.056	33.802	-	20	11.122	33.330	-
30	11.056	33.651	-	30	13.228	33.814	-	30	9.956	33.682	-
40	10.515	33.741	-	40	13.757	34.262	-	40	9.700	33.767	-
50	10.493	33.758	-	50	13.651	34.277	-	50	9.624	33.783	-
75	9.715	33.745	-	75	10.997	33.946	-	75	9.330	33.834	-
100	9.573	33.779	-	100	9.819	33.925	-	100	9.264	33.838	-
125	8.973	33.852	-	125	8.583	33.798	-	125	9.226	33.839	-
150	8.664	33.863	-	150	6.219	33.492	-	150	9.121	33.825	-
175	8.345	33.864	-	175	5.108	33.476	-	175	9.007	33.815	-
200	8.148	33.841	-	200	4.768	33.448	-				