



HOKKAIDO UNIVERSITY

Title	3. The "Oshoro Maru" Cruise 227 to the Japan Sea in April 2011
Citation	海洋調査漁業試験要報, 55, 17-20
Issue Date	2013-03-29
Doc URL	https://hdl.handle.net/2115/77442
Type	dataset
File Information	Data.Rec.Oceanogr.Obs.Expl.Fish.55.17.pdf



**THE "OSHORO MARU" CRUISE 227
TO THE JAPAN SEA**

IN APRIL 2011

1. Cruise Itinerary

Cruise 227

Departure from Hakodate	Apr. 19,	2011
Conduct hydrographic research (OS11042)	21	
Recovery of current meter	21	
Arrival at Fukui	22	
Departure from Fukui	23	
Arrival at Tsuruga	24	
Departure from Tsuruga	25	
Return to Hakodate	28	

Total coverage 1203.4 miles

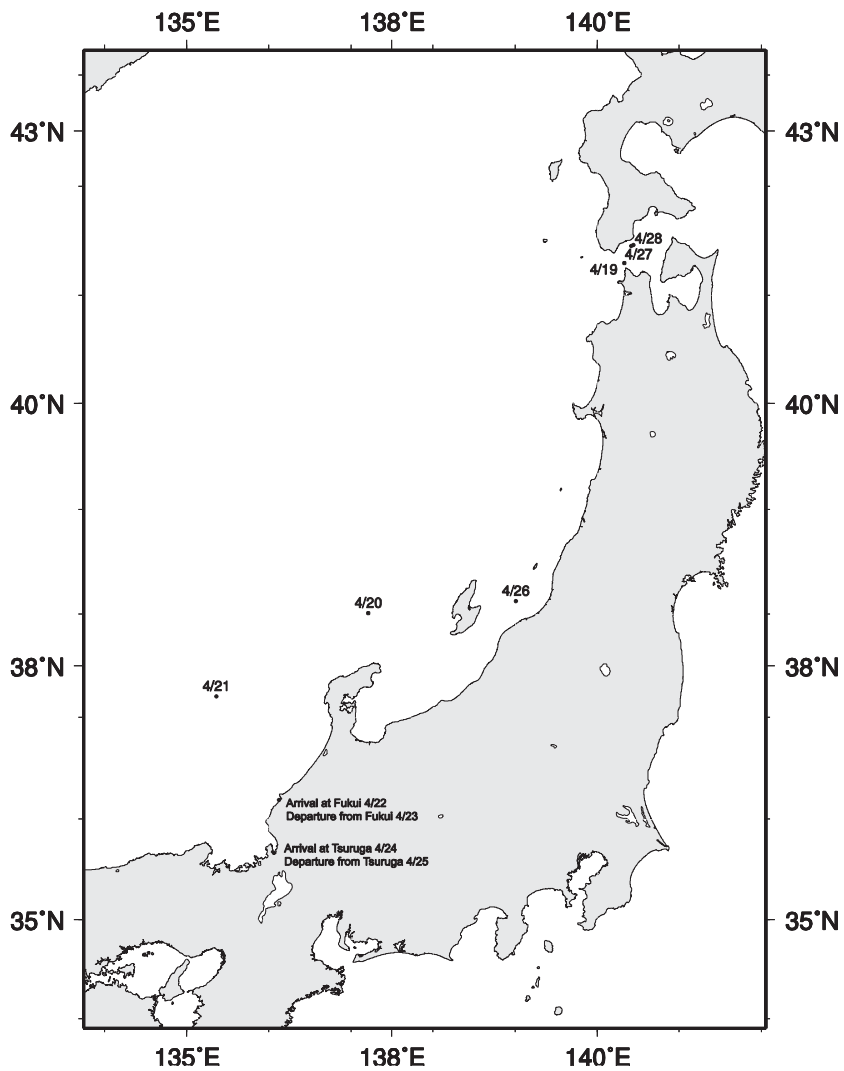


Figure 1. Noon position

2. Vessel Personnel			
Captain:		Associate Professor	Shogo Takagi
Crew:	Chief Officer	Associate Professor	Keiichiro Sakaoka
	Chief Second Officer	Instructor	Naoki Hoshi
	Jr. Second Officer	Technical official	Takuzo Abe
	Third Officer	Technical official	Maki Owada
	Science Officer	Technical official	Keiri Imai
	Chief Engineer	Instructor	Jyunichi Kimura
	And 24 men		
Cruise 227			
Research Staff:			
	Associate Professor	(Research Institute for Applied Mechanics, Kyushu University)	Tomoharu Senjyu
	Professor	(Department of Atmospheric Science, Kongju National University)	Hong-Ryeol Shin
	Professor	(Laboratory of Marine Environment engineering, Fukui Prefectural University)	Masabumi Seto
	Associate Professor	(Laboratory of Microbial Ecology, Fukui Prefectural University)	Ryuji Kondo
	Lecturer	(Laboratory of Marine Environment engineering, Fukui Prefectural University)	Atsushi Kaneda
	Instructor	(Laboratory of Microbial Ecology, Fukui Prefectural University)	Yoshitake Takao
Graduate Students:		1 person	
		Total 38 persons	

3. Items of Research

Hydrographic observations:

Fig. 2, Table 1, 2

4. Data on Temperature, Salinity and Computed Dynamic Depth Anomaly

Hydrographic work on deck and the data processing were made by the deck officers, science officer, crews, research staff and cadets of the “*Oshoromaru*”. Temperature and salinity were measured by CTD (Seabird SBE-9Plus and SBE-19Plus). Dynamic computations were made using a desk-top computer aboard the “*Oshoromaru*”.

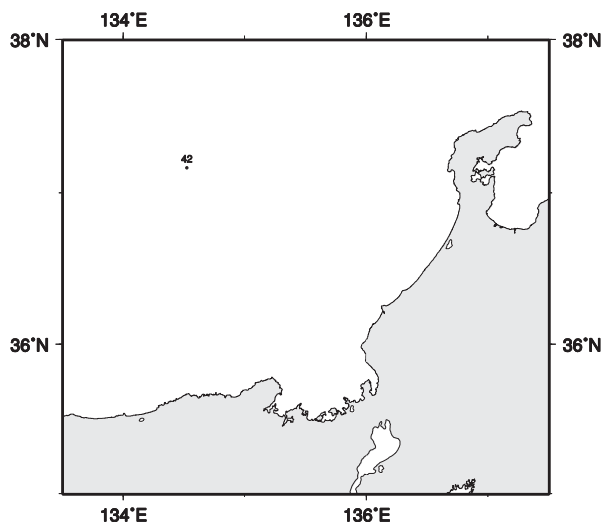


Figure 2. Oceanographic stations

Table 1. List of Oceanographic Station

Station	Lat.(*)	Long.(*)	Date	S.M.T	T.Z.	Depth	COL.	TR.	S.S.T.	WR.	Remark
OS11042	37-10.0N	134-31.2E	4/20	1529	9	2385	-	-	-	-	9Plus-0769

(*) : Fixed position by Global Positioning System

Table 2. Oceanographic data

Station	OS11042			
Latitude	37-10.0 N			
Longitude	134-31.2 E			
Depth(m)	2385			
Press.	Temp.	Sal.	SIG-T	
5	11.054	34.226	26.163	
10	11.128	34.247	26.166	
20	11.209	34.279	26.176	
30	11.132	34.271	26.184	
40	11.118	34.268	26.184	
50	11.039	34.250	26.184	
75	8.955	34.089	26.412	
100	8.227	34.081	26.518	
125	7.564	34.071	26.607	
150	5.118	34.040	26.901	
175	3.820	34.039	27.040	
200	2.824	34.046	27.139	
250	1.692	34.055	27.238	
300	1.144	34.055	27.276	
400	0.717	34.058	27.306	
500	0.571	34.060	27.316	
600	0.448	34.060	27.323	
700	0.392	34.061	27.327	
800	0.349	34.061	27.330	
900	0.315	34.061	27.331	
1000	0.285	34.060	27.333	
1200	0.246	34.060	27.334	
1500	0.221	34.060	27.336	
2000	0.220	34.060	27.336	