



HOKKAIDO UNIVERSITY

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6.

THE "OSHORU MARU" CRUISE 244-1 TO THE SANRIKU OFF

IN AUGUST 2012

1. Cruise Itinerary

Cruise 244-1	
Departure from Hakodate	Aug. 19, 2012
Arrival at Miyako and Departure from Miyako	20
Start hydrographic research (OS12126)	20
Finish hydrographic research (OS12131)	21
Arrival at Miyako	23
Total coverage 379.0miles	

2. Vessel Personnel

Crew:	Captain:	Associate Professor	Shogo Takagi
			And 30 persons

3. Items of Research

Hydrographic observations:

Hydrographic work on deck and the data processing were made by Science officer, deck officers, crews, research staff and cadets of the “Oshoro maru”. Temperature and salinity were measured by CTD (Seabird SBE-19Plus). Sea water samplings by Niskin bottles. Water and Plankton sampling were also carried out at almost hydrographic stations

Fig.1 Table.1, 2

Fig 1. Oceanographic Stations

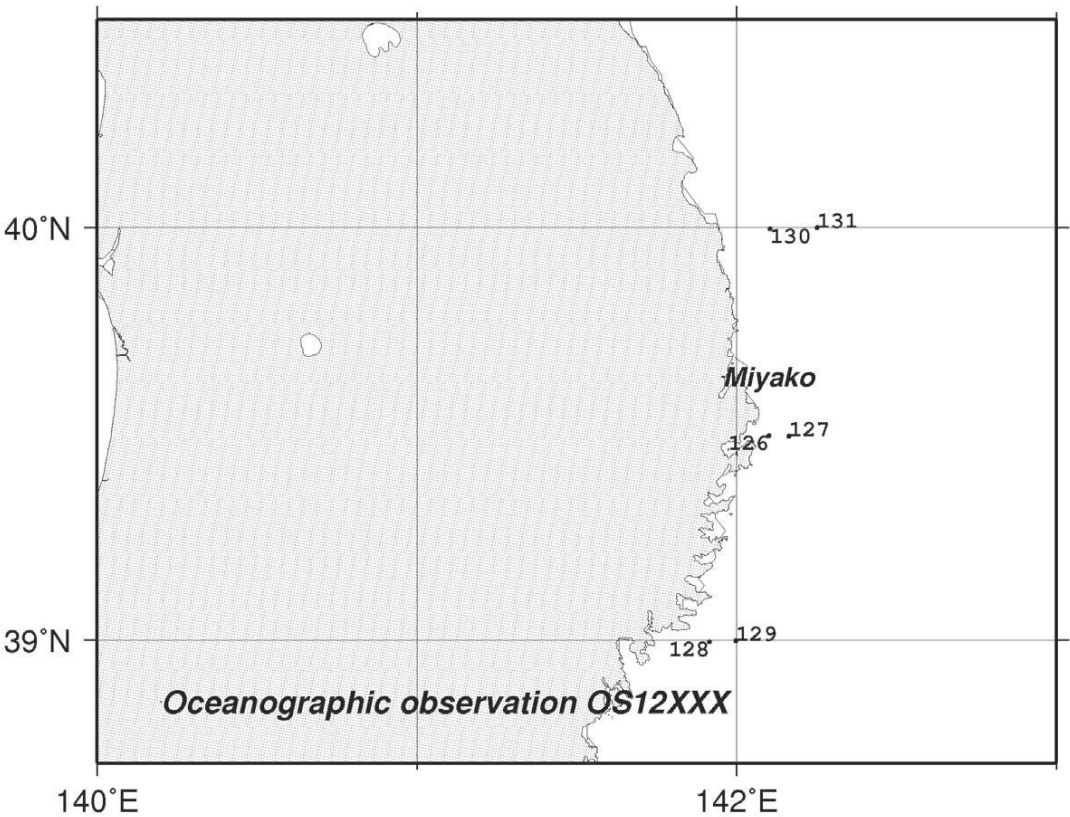


Table 1. List of Oceanographic station

Station	Lat.	Long.	Date (GMT)	Hour (GMT)	T.Z.	Depth	Col.	Tr.	SST	Wr.	Gear
OS12126	39-29.91N	142-06.10E	8/20	8:00	9	142	-	-	21.4	bc	9Plus-0769
OS12127	39-29.84N	142-09.85E	8/20	8:51	9	195	-	-	21.8	bc	9Plus-0769
OS12128	38-59.77N	141-54.96E	8/20	14:45	9	136	-	-	20.6	bc	9Plus-0769
OS12129	38-59.98N	141-59.85E	8/20	15:43	9	193	-	-	22.1	bc	9Plus-0769
OS12130	39-59.86N	142-06.24E	8/20	23:09	9	123	-	-	22.7	bc	9Plus-0769
OS12131	40-00.03N	142-15.11E	8/21	0:31	9	233	-	-	22.2	bc	9Plus-0769

Table 2. Oceanographic data

Station OS12126 Latitude 39-29.91N Longitude 142-06.09E Depth(m) 142m				Station OS12127 Latitude 39-29.81N Longitude 142-09.85E Depth(m) 195m				Station OS12128 Latitude 38-59.75N Longitude 141-54.98E Depth(m) 136m			
Press.	Temp.	Sal.	SIG-T	Press.	Temp.	Sal.	SIG-T	Press.	Temp.	Sal.	SIG-T
5	20.600	33.881	23.749	5	21.055	33.857	23.609	5	19.851	33.839	23.916
10	20.593	33.883	23.753	10	20.869	33.845	23.650	10	19.812	33.840	23.926
20	20.161	33.901	23.881	20	20.059	33.753	23.795	20	19.800	33.842	23.931
30	18.446	33.949	24.357	30	18.442	33.826	24.264	30	19.165	33.848	24.099
40	17.597	33.981	24.590	40	16.393	33.925	24.831	40	17.100	34.028	24.745
50	16.284	34.034	24.940	50	15.721	33.958	25.009	50	16.255	34.065	24.970
75	14.714	34.079	25.324	75	14.044	34.210	25.567	75	15.021	34.064	25.246
100	13.294	34.058	25.604	100	12.835	34.170	25.783	100	13.869	34.065	25.491
125	12.224	34.068	25.822	125	11.114	34.073	26.033	125	11.752	34.083	25.924
				150	9.026	33.973	26.310				
				175	7.773	33.872	26.422				
Station OS12129 Latitude 38-59.93N Longitude 141-59.80E Depth(m) 193m				Station OS12130 Latitude 39-59.79N Longitude 142-06.31E Depth(m) 123m				Station OS12131 Latitude 40-0.03N Longitude 142-15.14E Depth(m) 233m			
Press.	Temp.	Sal.	SIG-T	Press.	Temp.	Sal.	SIG-T	Press.	Temp.	Sal.	SIG-T
5	21.435	33.840	23.493	5	22.414	33.840	23.221	5	21.566	33.688	23.342
10	21.409	33.840	23.500	10	20.793	33.858	23.681	10	20.468	33.710	23.655
20	18.948	34.126	24.366	20	19.236	33.931	24.144	20	16.652	34.019	24.843
30	16.968	34.044	24.788	30	17.806	34.023	24.571	30	13.753	33.698	25.232
40	16.222	34.110	25.012	40	17.186	34.039	24.733	40	11.925	34.062	25.875
50	15.343	34.104	25.206	50	15.850	34.013	25.022	50	11.314	34.087	26.008
75	13.213	34.237	25.759	75	12.539	33.929	25.654	75	10.642	34.128	26.161
100	11.806	34.264	26.054	100	11.430	34.083	25.983	100	10.424	34.132	26.202
125	10.288	34.186	26.267					125	9.468	34.068	26.313
150	8.947	34.067	26.396					150	8.823	34.007	26.368
175	7.927	33.919	26.436					175	7.733	33.888	26.440
								200	6.751	33.791	26.500

