

MR12-E02_leg3:Cruise log

Date	Time	Description	Position(10進数)		depth
23-Mar-12	9:00	Departure from the Hachinohe port			
	14:02	Start MBES, SBP survey	39.91333	142.26500	
	15:39	XBT	39.59483	142.35767	
	18:48	XCTD	39.19717	142.48333	
24-Mar-12	5:48	Arrive at stn.O-1. Finish MBES, SBP survey			
	6:00~6:45	CTD(O-1)	39.24467	142.22283	Depth:485m
	7:12~8:00	MC(O-1:MC01)	39.25100	142.22633	Depth:500m
	8:32~9:14	MC(O-1:MC02)	39.25067	142.22617	Depth:502m
	9:18	Left stn.O-1			
	12:00	Arrive at stn. B-5			
	12:00~13:21	CTD(B-5)	39.53500	142.74517	Depth:1320m
	13:24	Left stn.B-5			
	14:30	Arrive at stn. B-6			
	14:34~16:11	CTD(B-6)	39.53533	142.96517	Depth:1589m
	16:12	Left stn.B-6			
17:18	Arrive at stn. B-7				
17:21~18:56	CTD(B-7)	39.53483	143.18283	Depth:2003m	
19:00	Left stn.B-7.Start MBES, SBP survey				
25-Mar-12	5:48	Arrive at stn.O-2.Finish MBES, SBP survey			
	5:57~6:56	CTD(O-2)	39.24233	142.32117	Depth:829m
	7:09~8:12	MC(O-2:MC03)	39.24417	142.32700	Depth:874m
	8:41~9:42	MC(O-2:MC04)	39.24400	142.32683	Depth:870m
	9:48	Left stn.O-2			
	13:48	Arrive at stn. D-4			
	13:54~14:33	MC(D-4:MC05)	38.49933	141.97433	Depth:319m
	15:03~15:40	MC(D-4:MC06)	38.50017	141.97450	Depth:319m
15:42	Left stn.D-4.Start MBES, SBP survey				
18:12	XCTD	38.74867	142.39083		
26-Mar-12	2:01	XBT	38.51567	142.39150	
	5:42	Arrive at stn.D-4.5.Finish MBES, SBP survey			
	5:58~6:41	MC(D-4.5:MC07)	38.50067	142.09450	Depth:502m
	7:06~7:47	MC(D-4.5:MC08)	38.50033	142.09417	Depth:501m
	8:30~9:10	CTD(D-4.5)	38.49967	142.09483	Depth:491m
	9:48	Left stn.D-4.5			
	10:18	Arrive at stn. D-5.5			
	10:20~11:22	CTD(D-5.5)	38.50117	142.33800	Depth:825m
	11:45~12:42	MC(D-5.5 No Core)	38.50000	142.33733	Depth:838m
	13:35~14:35	MC(D-5.5 No Core)	38.50017	142.33733	Depth:837m
	14:36	Left stn.D-5.5			
16:42	Arrive at stn. D-8				
16:42~18:16	CTD(D-8)	38.50050	142.84767	Depth:1503m	
18:18	Left stn.D-8.Start MBES, SBP survey				

27-Mar-12	5:48	Arrive at stn.D-5.5.Finish MBES, SBP survey			
	5:57~6:57	MC(D-5.5:MC09)	38.49983	142.33750	Depth:838m
	7:00	Left stn.D-5.5			
	9:54	Arrive at stn. F-4			
	9:54~10:51	CTD(F-4)	37.88167	142.29283	Depth:866m
	11:01~12:00	MC(F-4 MC10)	37.88300	142.29333	Depth:877m
	12:30~13:32	MC(F-4 MC11)	37.88300	142.30000	Depth:878m
	13:36	Left stn.F-4			
	14:30	Arrive at stn. F-5			
	14:32~15:48	CTD(F-5)	37.88067	142.51133	Depth:1022m
	15:48	Left stn.F-5			
	16:42	Arrive at stn. F-6			
	16:46~18:02	CTD(F-6)	37.88083	142.72633	Depth:1267m
	18:06	Left stn.F-6.Start MBES, SBP survey			
23:28	XBT	37.67267	142.45817		
28-Mar-12	1:35	XCTD	38.02283	142.43533	
	4:07	XBT	37.97900	142.06700	
	5:48	Arrive at stn.F-3.Finish MBES, SBP survey			
	5:59~6:41	MC(F-3:MC12)	37.88117	141.95300	Depth:498m
	7:10~7:52	MC(F-3:MC13)	37.88100	141.95317	Depth:497m
	8:02~8:43	CTD(F-3)	37.88017	141.95483	Depth:484m
	8:48	Left stn.F-3			
	10:00	Arrive at stn. F-1			
	10:04~10:32	CTD(F-1)	37.88133	141.67200	Depth:203m
	10:36	Left stn.F-1			
	11:24	Arrive at stn. F-2			
	11:28~12:03	CTD(F-2)	37.88067	141.73500	Depth:296m
	12:08~12:43	MC(F-2 MC14)	37.88117	141.73467	Depth:309m
	12:58~13:35	MC(F-2 MC15)	37.88150	141.73450	Depth:308m
	13:46~14:14	Calibration for the Geomagnetometer and meter attached to Multiple corer	37.88650	141.75317	
14:18	Left stn.F-2.Start MBES, SBP survey				
29-Mar-12	9:00	Stop the continuous sampling of surface seawater. Finish MBES, SBP survey			
30-Mar-12	9:40	Arrival at the Yokohama port			