

DAILY LOG BOOK

MISSION
NUMBER

2004-26

DATE:

From:

13 Sept

to:

17 Sept 2004

VESSEL:

Vector

PROJECT:

SOG-JdF

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <u>September</u>				Year <u>2004</u>				Ship <u>Vector</u>				Cruise ID <u>2004-26</u>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
14	SI	4:28	BE	ROS		1	48 39.108	123 29.659	134	127	#1, 2	2	7/8		
		4:33	BO				48 39.077	123 29.665							
		4:38	EN				48 39.042	123 29.708							
15		16:05	BE	CTD		2	49 51.6	125 1.618	129						Sunny + Calm
		16:09	BO				49 51.6	125 1.631		122					hit the bottom
		16:12	EN				49 51.57	125 1.615							(The rosette does not have an altimeter)
16		17:14	BE	ROS		3	49 57.74	125 8.905	152		3-13				
		17:19	BO				49.57.75	125 8.91		140					☹
		17:29	EN				49 57.75	125 8.86							note: (ish) cast was done after rosette
23		17:29	BE	ROS		4	49 57.75	125 28.00	240		14-27				
		19:44	BO				50 14.99	125 22.97		235					RADIOMETER
		19:54	EN				50 14.99	125 22.95							
21		21:41	BE	CTD		5	50 01.79	125 13.62	62						
		21:43	BO				50 01.70	125 13.58		35					
		21:44	EN				50 01.63	125 13.52							
17		22:31	BE	CTD		6	49 58.85	125 4.285	262						
		22:37	BO				49 58.94	125 4.255		255					
		22:47	EN				49 58.99	125 4.19							

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = net haul
 DRF = drifter

bottle firing method:

US = up / stop
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							Latitude	Longitude							
14	14	2333	BE	ROS		7	49 53.032	124 59 604	315	368	28-43	16	7/11	✓	
		2341	BO				49 53.112	124 59 598							
		2359	EN				49 53.244	124 59 556							
15	13	0036	BE	CTD		8	49 55.38	124 55 25	245				7/11	✓	Δ S = 0.008
		0042	BO				49 55.46	124 55 29		231					Δ T = 0.001
		0048	EN				49 55.54	124 55 34							
15	18	1123	BE	CTD		9	49 59.238	124 58 963	148	138			7/11	✓	
		1127	BO				49 59.314	124 58 997							
		1131	EN				49 59.376	124 59 015							
15	19	203		CTD		10	50 1.226	124 59 970	277				7/11	✓	
		211					50 1.338	124 53 062		265					
		218					50 1.432	124 53 177							
15	20	4128	BE	CTD		11	49 47.26	124 32.407	303						
		4137	BO				49 47.38	124 32.68		296					
		4146	EN				49 47.38	124 32.76							
15	12	5:51	BE	ROS		12	49 43.70	124 40.715	357		44-59	16			Rain + wind
		5:59	BO				49 43.75	124 40.811		350					
		6:11	EN				49 43.81	124 40.928							

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							Latitude	Longitude							
15	11	06:36	BE	CTD		13	49 42.42	124 43.504	298						
		07:04	BO				49 42.53	124 43.710		293					
		07:10	EN				49 42.63	124 43.89							
15	10	07:54	BE	CTD		14	49 42.69	124 47.25	98						
		07:57	BO				49 40.67	124 47.23		91					
		07:59	EN				49 40.66	124 47.24							
15	9	09:02	BE	ROS		15	49 35.52	124 38.33	168		60-71				
		09:07	BO				49 35.46	124 38.26		165					
		09:16	EN				49 35.41	124 38.23							
15	8	09:51	BE	CTD		16	49 39.34	124 33.04	337						
		10:03	BO				49 39.41	124 33.01		330					
		10:09	EN				49 39.53	124 33.03							
	7	11:10	BE	CTD		17	49 34.43	124 24.20	357						
		11:17	BO				49 34.38	124 24.23		345					
		11:24	EN				49 34.38	124 24.23							
	37	17:24	BE	CTD		18	49 13.51	123 20.656	207						wind is down
		17:37	BO				49 13.50	123 20.743		203					flat calm
		17:41	EN				49 13.476	123 20.79							

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							Latitude	Longitude							
15	38	18:13	BE	CTD		19	49 11.994	123 26.412	305						I crashed
		18:21	BO				49 12.04	123 26.341		300					the program
			EN				49	123							
15	39	19:06	BE	ROS		20	49 09.81	123 32.93	385						hit the bottom
		19:15	BO				49 9.85	123 32.94		375					(small kink
		19:34	EN				49 09.998	123 32.89							in cable)
15	39	19:39	A	RAID		21	49 09.81	123 32.93	385						
		19:45	B				49 09.81	123 32.93		380	72-88	17			
		19:47	C				49 09.813	123 32.904							
15	40	20:15	BE	CTD		22	49 08.58	123 37.28	83						PLANKTON NET
		20:17	BO				49 08.58	123 37.26		73					
		20:19	EN				49 08.58	123 37.24							
15	26	21:47	BE	CTD		23	49 14.328	123 50.90	255						
		21:53	BO				49 14.36	123 51.04		243					
		21:58	EN				49 14.35	123 51.07							
15	27	22:51	BE	ROS		24	49 19.135	123 47.98	350		89-104				
		22:59	BO				49 19.147	123 48.024		341					
		23:18	EN				49 19.229	123 48.191							

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							Latitude	Longitude								
15	27	23:25		RAD		25	49 19 22	123 48 20	350m						*CTD cable terminated	
		23:35														
16	28	3:40	BE	CTD		26	49 24.046	123 45.290	140							
		3:43	BO				49 24.064	123 45.342		127						
		3:46	EN				49 24.064	123 45.356								
16	24	07:11	BE	CTD		27	49 30 32	124 06 03	425						*problems with CTD cable	
		07:22	BO				49 30 25	124 06 05		420						
		07:31	EN				49 30 18	124 06 15								
16	25	07:58	BE	CTD		28	49 27.57	124 07.45	325							
		08:06	BO				49 27.52	124 07.52		316						
			EN				49 27.49	124 07.58								
16	2	08:42	BE	ROS		29	49 24 14	124 09.238	278		105-119					
		08:49	BO				49 24 16	124 09 42		270						
		09:04	EN				49 24 22	124 10 01								
16	3	10:11	BE	ROS		30	49 26.63	124 20.32	322		120-135					
		10:19	BO				49 26 59	124 20.261		317						
		10:36	EN				49 26 54	124 20.17								

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							Latitude	Longitude							
16	6	11:25	BE	ROS		31	49 30.634	124 27.846	190		136-148	13	JP	✓	
		11:30	BO				49 30.649	124 27.800		183					
		11:44	EN				49 30.540	124 27.900							
16	5	12:24	BE	CTD		32	49 27.416	124 30.918	315				JA	✓	
		12:30	BO				49 27.426	124 31.004		306					
		12:37	EN				49 27.472	124 31.100							
16	4	13:32	BE	CTD		33	49 24.586	124 22.105	348					✓	
		13:41	BO				49 24.803	124 22.339		338			JP		
		13:50	EN				49 25.033	124 22.756							
16	1	14:54	BE	CTD		34	49 20.32	124 12.11	247				JP	✓	
		15:00	BO				49 20.33	124 12.15		244					
		15:04	EN				49 20.345	124 12.193							
16	41	19:19	BE	CTD		35	49 03.30	123 22.330	242		E.F. **				
		19:25	BO				49 03.28	123 22.36		237	Enter wrong station "43" in computer. change info in HDR back to 41. "DAT" file still has sta "43" in it.				
		19:31	EN				49 03.29	123 22.37							
16	42	19:55	BE	ROS		36	49 01.81	123 26.03	323		149-165	Extra	Rebel made (Sample 150 tagged at 300m).		
		20:05	BO				49 01.87	123 26.03		311					
		20:22	EN				49 02.02	123 26.13							

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							Latitude	Longitude							
16	42			RAD	A	37	49 26 63	124 20 32	323						
					B		49 26 59	124 20 26							
					C		49 26 54	124 20 17							
16	43	21:04	BE	CTD		38	49.03	123 30.08	202.						
		21:09	BO				49 03	123 30 07		193					
		21:18	EN				49 03	123 30 12							
16	46	2306	BE	ROS		39	48 51 534	123 10 936	175		166-177	17	111	✓	
		2311	BO				48 51 575	123 10 980		167					
		2322	EN				48 51 755	123 11 106							
17	45	00:14	BE	CTD		40	48 54 066	123 8 420	126						computer crashed at deployment
		00:18	BO				48 54 051	123 8 416		120					
		00:21	EN				48 54 084	123 8 395							
17	44	0047	BE	CTD		41	48 56 826	123 5 992	120				77	✓	
		00:50	BO				48 56 827	123 5 978		114					
		00:53	EN				48 56 832	123 5 976							
17	49	132		CTD		42	48 55 027	122 59 796	131				74	✓	
		135					48 55 008	122 59 846		125					
		139					48 54 998	122 59 908							

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							Latitude	Longitude							
17	46	2:10	BE	CTD		43	48 51.712	123 3 101	225						
		2:16	BO				48 51.748	123 3 102		205					
		2:21	EN				48 51.721	123 3 067							
17	47	2:48	BE	CTD		44	48 49.302	123 6 204	157						
		2:53	BO				48 49.302	123 6 184		175					
		2:57	EN				48 49.302	123 6 151							
17	51	04:13	BE	CTD		45	48 46.650	122 51.626	160						
		04:18	BO				48 46.610	122 51.575		155					
		04:22	EN				48 46.529	122 51.575							
	56	6:10	BE	ROS		46	48 46.343	123 1.860	210		178-191	14			strong current rain
		6:15	BO				48 46.297	123 2.173		185					
		6:23	EN				48 46.205	123 2.450							
17	57	07:02	BE	CTD		47	48 44.07	123 08.22	155						
		07:06	BO				48 44.08	123 08.23		145					
		07:09	EN				48 44.10	123 08.25							
17	58	08:07	BE	CTD		48	48 43.10	123 14.30	316						
			BO				48 43.19	123 14.42		303					
		08:22	EN				48 43.26	123 14.76							

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							Latitude	Longitude							
17	59	09:09	BE	ROS		49	48 37.85	123 14.39	238		192-205				
		09:15	BO				48 37.88	123 14.23		230					
		09:30	EN				48 37.96	123 13.76							
17	60	10:26	BE	CTD		50	48 33.93	123 12.76	285						
		10:32	BO				48 33.99	123 12.66		275					
		10:38	EN				48 34.07	123 12.63							
17	61	11:19	BE	CTD		51	48 29.192	123 9 32.4	285						
		11:25	BO				48 29.252	123 9 38.6		276					
		11:30	EN				48 29.303	123 9 48.7							
17	62	12:30	BE	ROS		52	48 22.876	123 2 59.0	147		206-216				
		12:34	BO				48 22.926	123 2 52.6		144					
		12:45	EN				48 23.101	123 2 54.9							
17	63	13:52	BE	CTD		53	48 14.597	122 58 60.3	155						
		13:56	BO				48 14.606	122 58 58.6		151					
		13:59	EN				48 14.617	122 58 55.3							
17	64	14:43	BE	CTD		54	48 12.806	123 5 80.9	108						
		14:47	BO				48 12.806	123 5 79.8		98					
		14:50	EN				48 12.800	123 5 79.4							

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							Latitude	Longitude							
17	65	15:27	BE	ROS*		55	48 15.842	123 9.982	129		217-226	10			calm, sunny
		15:30	BO				48 15.822	123 10.032		120					*RADIOMETER CAST
		15:35	EN				48 15.82	123 10.03							program crashed
17	66	16:26	BE	CTD		56	48 19.247	123 14.30	100						
		16:28	BO				48 19.242	123 14.36		94					
		16:30	EN				48 19.236	123 14.407							
17	105	17:29	BE	CTD		57	48 10.956	123 19.111	84						
		17:31	BO				48 10.967	123 19.160		78					
		17:33	EN				48 10.970	123 19.212							
17	ADCP	18:06	BE	ROS		58	48 13.932	123 18.114	117		227-236	10			
		18:08	BO				48 13.913	123 18.133		110					
		18:14	FN				48 13.858	123 18.134							
17	ADCP	18:20	BE	RAD		59	48 13.800	123 18.294	117						
			EN				48 13.733	123 18.552							
17	104	19:13	BE	CTD		60	48 19.96	123 18.12	83						
		19:16	BO				48 19.93	123 18.21		75					
		19:18	EN				48 19.92	123 18.29							

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							Latitude	Longitude							
17	67	19:45	BE	CTD		61	48 22.77	123 18.00	111						
		19:48	BO				48 22.78	123 17.99		101					
		19:50	EN				48 22.78	123 17.99							
17	CP	20:26	BE	ROS		62	48 23.75	123 20.71	61		237-243	7			Clover Point
		20:28	BO				48 23.76	123 20.71		53					
		20:33	EN				48 23.76	123 20.67							
17	CP	20:40	BE	RAD		63	48 23.816	123 20.63	61						
			EN				48 23.87	123 20.47							
18	103	5:30	BE	CTD		64	48 33.06	124 43.034	125						
		5:33	BO				48 33.12	124 43.117							
		5:36	EN				48 33.19	124 43.192							
	102*	6:29	BE	ROS		65	48 29.504	124 44.579	261						
		6:36	BO				48 29.51	124 44.8		256	244-257	14			some swell
		6:46	EN				48 29.53	124 45.112							*labelled 104 in file
18	101	07:40	BE	CTD		66	48 25.46	124 45.21	242						
		07:46	BO				48 25.44	124 45.23		233					
		07:57	EN				48 25.40	124 45.24							

Cast type:

BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:

UN = up / stop
UN = up / no stop
DN = down / no stop

Time Code

BE = beginning time of cast
BO = bottom time of cast
EN = end time of cast
DE = deployment time
MR = messenger release time
RE = recover mooring time

Transmissometer to be cleaned for each cast, do not use Ammonia products

Daily_log_book.doc

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>September</i>				Year <i>2004</i>			Ship <i>VECTOR</i>				Cruise ID <i>2004-26</i>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
18	74	08:41		CTD	BE	67	48 25.08	124 35.617	191						
		08:46			BO		48 25.09	124 35.80							
		08:50			EN		48 25.08	124 35.87							
18	75			ROS	BE	68	48 28.17	124 32.82	226						
		09:43			BO		48 28.18	124 32.866		216	256-271	14			
		09:57			EN		48 28.08	124 32.94							
18	76	10:45		CTD	BE	69	48 31.391	124 29.933	89					✓	
		10:48			BO		48 31.369	124 29.978		82					
		10:51			EN		48 31.352	124 29.971							
18	71	13:31		CTD	BE	70	48 22.117	123 59.410	109					✓	
		13:34			BO		48 22.085	123 59.388		105					
		13:37			EN		48 22.057	123 59.347							
18	72	14:13		ROS	BE	71	48 18.606	124 3.973	187		272-284	13		✓	
		14:17			BO		48 18.607	124 3.986		182					
		14:29			EN		48 18.612	124 3.986							
	73	15:11		CTD	BE	72	48 15.017	124 6.656	159						
		15:16			BO		48 15.007	124 6.665		150					
		15:19			EN		48 14.992	124 6.697							

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[illegible]

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