

DAILY LOG BOOK

MISSION
NUMBER

2006-21

DATE:

From: 12 June '06 to: 18 June '06

VESSEL:

Vector

PROJECT:

SOG / JdF

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

Rosette Setup:

Number of bottles: _____
Manufacturer: _____
Volume of Bottles (litres): _____

Winches:

1. Make:	Model:	Serial #:	used for:
2. Make:	Model:	Serial #:	used for:
3. Make:	Model:	Serial #:	used for:

Comments on performance during cruise:

Salinometer:

Make: _____ Model: _____ Serial #: _____

Comments on performance during cruise:

Oxygen Kit # 2

Comments on performance of kit and chemicals:

Thermosalinograph System:

Program: _____ Version: _____

Sampling interval (seconds): _____

Fluorometer sensor serial number: _____

Comments on performance during cruise:

ADCP Setup:

Computer time zone: _____

Sampling interval (seconds): _____

Bin Length (2^x): _____

Pulse Length: _____

Buffer (bytes): _____

Gyro Offset: _____

User Exits: Name: _____ Exit Points: _____

Name: _____ Exit Points: _____

Name: _____ Exit Points: _____

Work File: _____

Comments:

CTD Test Cast Information

Test Cast at IOS Jetty? (optional)

yes ☐ no ☒

Comments: (i.e. how did everything work??)

Test cast in Saanich Inlet? (recommended)

yes ☒ no ☐

If no, give reason: _____

Comments: (i.e. how did everything work??)

File

CTD pressure reading on deck (db): 0.15

(Should be 0.0 db $\pm$ 0.5)

Pumps working? yes ☐ no ☒

(i.e.. Was the red LED display on the deck unit 0011 and not still 0010?)

Secondary Temp- Primary Temp:

(Average from the Mixed Region)

Secondary Salinity- Primary Salinity:

(Average from the Mixed Region)

Additional Comments:

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>June</i>				Year <i>2006</i>			Ship <i>VECTOR</i>				Cruise ID <i>2006-21</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							
12	51	22:07	BE	ROS		1	48 39.233	123 30.134	60			2	KB/DA		Sunny + warm
		22:09	BO				48 39.230	123 30.136							
		22:11	EN				48 39.227	123 30.134							
	LOOP1			LOOP											LOOP SAL, CHL, NUT
13	59	00:41	BE	ROS		2	48 37 836	123 14 598	231		3-16	14	KB/DT	✓	
		00:48	BO				48 38 000	123 14 609		233					
		1:02	EN				48 38 400	123 14 891							
13	59	1:08	1	Radiometer		3	48 38 516	123 15 013							
		1:14	2	"			48 38 816	123 15 034							
		1:16	3	"			48 38 930	123 15 060							
13	60	2:14	BE	CTD		4	48 33 902	123 12 911	300				KB/DT	✓	
		2:21	BO				48 34 127	123 13 070		290					
		2:28	EN				48 34 295	123 13 212							
	LOOP2	3:35		LOOP		5	48 34 295	123 13 212	285						
13	61	3:26	BE	CTD		5	48 29 170	123 9 238		282			KB/DT		
		3:34	BO				48 29 208	123 9 274							
		3:41	EN				48 29 238	123 9 325							
13	LOOP3	7:02		LOOP			48 19 79	123 48 79							LOOP, SAL, CHL(2), NUT(2)

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
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 <u>June</u>				Year <u>2006</u>			Ship <u>VECTOR</u>				Cruise ID <u>2006-21</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							
13	103	1110	BE	CTD		6	48 32 956	124 42 918	122		-	-	11/DT	✓	
		1113	BO				48 32 960	124 42 938		118					
		1116	EN				48 32 960	124 42 962							
13	LOOP4	1110		LOOP			48 32 956	124 42 918							
13	102	1147	BE	ROS		7	48 30 040	124 44 221	255		17-30	14	11/DT		
		1153	BO				48 30 034	124 44 292		250					
		1208	EN				48 30 030	124 44 543							
13	101	1249	BE	CTD		8	48 25 456	124 45 298	143						
		1254	BO				48 25 445	124 45 466		144					
		1258	EN				48 25 438	124 45 598							
13	74	1404	BE	CTD		9	48 25 194	124 35 857	185						
		1409	BO				48 25 284	124 36 074		183					took a loop sample
		1413	EN				48 25 343	124 36 264							(instr.) @ 1415 UTC
13	75 (RT)	7:42	BE	ROS		10	48 28 142	124 33 004			31-44	14			* somehow the time
	(RT)	7:49	BO				48 28 237	124 33 008	210						setting has been
	(RT)	8:06	EN				48 26 278	124 32 876							changed.
13	LOOP5	8:45		LOOP			48 26 452	124 35 254							
13	75 (RT)	8:12		RAD		11	48 28 314	124 32 681							

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
 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				Year			Ship			Cruise ID					
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							
13	76	9:02	BE	CTD		(11)*	48 31.326	124 30.192							* STN 73 entered
	PDT	9:05	BO				48 31.325	124 30.140		87					in file*
		9:08	EN				48 31.336	124 30.124							see note →
13	73	19:24	BE	CTD		12	48 14.975	124 6.642	159				KB/DA		* time back to
		19:29	BO				48 14.956	124 6.623		154					standard *?
		19:34	EN				48 14.934	124 6.602							(UTC)
13	72	20:08	BE	ROS		13	48 18.653	124 3.996	186				KB/DA/MQ		* not enough
		20:12	BO				48 18.725	124 3.888		181					water in 10m + 0m bottles
		20:26	EN				48 18.912	124 3.786							
13	72	20:32	BE	Radiometer		14	48 18.710	124 3.890					KB/DA/MQ		
13	71	21:21	BE	CTD		15	48 22.177	123 59.376	108				KB/DA/MQ		see note →
		21:25	BO				48 22.181	123 59.364		103					
		21:29	EN				48 22.187	123 59.356							
13	71	21:34	BE	Radiometer		16	48 22.139	123 59.264					KB/DA/MQ		
13	70	22:49	BE	CTD		17	48 19.156	123 42.996	154				KB/DT		
		22:55	BO				48 19.199	123 42.719		142					
		22:59	EN				48 19.250	123 42.516							
13	LOOP	4:05		LOOP			48 18.877	123 42.535							

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
 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

← Note: took a loop sample 2009005 @ 1610 UTC nutrients. ~~NR~~

← Note: took a loop sample 2009006 @ 2126 UTC nutrients ~~NR~~

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>June</i>				Year <i>2006</i>			Ship <i>Vector</i>				Cruise ID <i>2006-21</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							
13	69	2327	BE	ROS		18	48 15 604	123 43 172	177		60-71	12	W/OT	U	
		2332	BO				48 15 628	123 43 056		174					
		2345	EN				48 15 711	123 42 749							
13	69	RT 16:53		RAD		19	48 15 656	123 42 449							
14	68	00:31	BE	CTD		20	48 12 253	123 42 936	140						
		00:34	BO				48 12 286	123 42 797		1					
		00:37	EN				48 12 310	123 42 644							
14	105	204	BE	CTD		21	48 11 032	123 18 932	86				W/OT	✓	
		207	BO				48 11 028	123 18 931		84					
		209	EN				48 11 038	123 18 934							
14	ADCP	234	BE	ROS		22	48 14 014	123 17 897	120		72-81	10	W/OT	✓	bottle #1 didn't close.
		238	BO				48 14 006	123 17 887		118					
		227	EN				48 14 040	123 17 932							
	LOOP7			LOOP											
	64	4:27	BE	CTD		23	48 12 874	123 58 25	107						
		4:32	BO				48 12 918	123 57 80							
		4:37	EN				48 12 941	123 57 36							

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
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

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>June</i>				Year <i>2006</i>			Ship <i>Vector</i>			Cruise ID <i>2006-21</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
14	65	5:39	BE	ROS		24	48 15 940	123 9905	125		82-91	10			
		4:43	BO				48 15 984	123 9907		120					
		4:51	EN				48 16 058	123 10 132							
	62	5:47	BE	ROS		25	48 22 849	123 2623	148		92-102	11			
		5:51	BO				48 22 842	123 2608		140					
		6:00	EN				48 22 817	123 2573							
14	loop 8	7:10		loop.			48 32 000	123 11 432					KB/DA		
14	58	8:31	BE	CTD		26	48 42.956	123 14.281	330				KB/DA		
		8:41	BO				48 43.018	123 14.43		325					
		8:49	EN				48 43.088	123 14.099							
14	loop 9	11:00		loop.			48 59.407	123 19.212							
14	37	18:28	BE	CTD		27	49° 13 638	123 20708	212						
		18 33	BO				49° 13 646	123 20723		210					
		18 38	EN				49° 13 637	123 20725							
14	38	19:10	BE	CTD		28	49 12.010	123 26.406	305				KB/DA		
		19:17	BO				49 12.007	123 26.416		300					
		19:21	EN				49 12.010	123 26.394							
14															

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
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				Year			Ship			Cruise ID					
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	39	20:15	BE	ROS		29	49 9.815	123 33.016	375				K8/DA/HQ		bottle 15 didn't close
		20:25	BO				49 9.812	123 33.001		370					
		20:47	EN				49 9.815	123 32.990							
14	39	20:49		Radiometer		30	49 9.847	123 33.003							
14	39	21:08		GRAB		31	49 9.794	123 32.998							
14	40	22:25	BE	CTD		32	49 8.656	123 36.851	131						
		22:31	BO				49 8.690	123 36.858		145					
		22:35	EN				49 8.686	123 36.850							
	LOOP 10	3:45		LOOP			49 9.692	123 38.321							
14	26	23:46	BE	CTD		33	49 14.305	123 50.813	250				K3/DT	✓	
		23:52	BO				49 14.296	123 50.794		247					
		23:59	EN				49 14.279	123 50.795							
15	26	00:01		RAD		34	49 14.271	123 50.789							
15	27	00:53	BE	ROS		35	49 19.138	123 47.987	346		120-135	16	7A/DT	✓	
		1:01	BO				49 19.126	123 48.025		343					
		1:20	EN				49 19.106	123 48.026							
15	27	1:24		RAD		36	49 19.161	123 48.034							

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
 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				Year			Ship					Cruise ID			
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
15	28	2:15	BE		CTD	37	49 24.108	123 45 324	135					✓	
		2:19	BO				49 24.106	123 45 319		132					
		2:22	EN				49 24.098	123 45 304							
15	25	3:49	BE		CTD	38	49 27.712	124 75 37	289						
		3:55	BO				49 27.713	124 75 05		285					
		4:02	EN				49 27.719	124 79 86							
15	24	4:41	BE		CTD	39	49 30.362	124 60 55	428						decklights are on!
		4:51	BO				49 30.364	124 61 36		423					
		5:01	EN				49 30.354	124 61 28							
15	22	6:15	BE		CTD	40	49 40.236	124 16 339	356						
		6:23	BO				49 40.237	124 16 304		351					
		6:30	EN				49 40.193	124 16 273							
15	LOOP 11	7:08					49 44.291	124 23.70							LOOP 11 SALINITY 2 CH 2
15	20	7:46	BE		CTD	41	49 47.203	124 32.346	308				KB/DA		
		7:57	BO				49 47.338	124 32.524		305					
		8:04	EN				49 47.378	124 32.584							
15	19	10:11	BE		CTD	42	50 1.280	129 52.946	294				KB/DA		
		10:20	BO				50 1.250	124 52.896		285					
		10:27	EN				50 1.242	124 52.860							

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
 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				Year			Ship				Cruise ID 2006-21				
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							
15	18	1105	BE	CTD		43	49 59 260	124 58 884	137				M/D	-	
		1109	BO				49 59 242	124 58 896		134					
		1113	EN				49 59 239	124 58 864							
15	loop 12	4:00		Loop			49 59 818	124 58 423					M/D	-	
15	17	1142	PE	CTD		44	49 58 864	125 4 309	262						
		1148	BO				49 58 826	125 4 372		259					
		1154	EN				49 58 805	125 4 496							
15	16	1225	BE	ROS		45	49 57 625	125 8 837	155		136-146	11	M/D	V	
		1230	BO				49 57 565	125 8 742		152					
		1241	EN				49 57 392	125 8 684					M/D	✓	
15	21	1345	BE	CTD		46	50 1 999	125 13 577	79						
		1347	BO				50 1 964	125 13 540		75					
		1350	EN				50 1 922	125 13 487							
15	LOOP 13			LOOP											
15	15	15:14	BE	CTD		47	49 51 635	125 16 22	126						
		15:16	BO				49 51 634	125 16 04		122					
		15:19	EN				49 51 643	125 16 00							

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
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				Year				Ship				Cruise ID				
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	
15	14	15:39	BE	ROS		48	49 52 958	124 59 592	315							
		15:45	BO				49 52939	124 59 576		310						
		16:01	EN				49 52940	124 59 453								
15		16:17		RAD		49	49 53 049	124 59 464								
15	13	17:09	BE	CTD		50	49 55 319	124 55 206	236							
		17:17	BO				49 55 48	124 55 189								
		17:22	EN				49 55 538	124 55 320								
15	12	20:33	BE	ROS		51	49 43 624	124 40 858	357							
		20:42	BO				49 43 628	124 40 866		350						
		21:01	EN				49 43 614	124 40 830								
15	Loop 14	18:56		Loop 14			49 46 67	124 41 180								
15	12	21:05		RAD		52	49 43 630	124 40 819								
15	11	21:51	BE	OPTIC CTD		53	49 42 708	124 43 398	298				FB/DA/MP			
		21:59	BO				49 42 410	124 43 388		294						
		22:07	EN				49 42 430	124 43 357								
15	11	22:14		RAD		54	49 42 531	124 43 414								
15	Loop 15	4:10		Loop			49 46 604	124 46 705								

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
 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				Year			Ship				Cruise ID				
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							
15	10	2257	BE	CTD		55	49 40 718	124 47 245	94				19/DT	✓	
		2300	BO				49 40 746	124 47 243		94					
		2302	EN				49 40 750	124 47 230							
15	9	2359	BE	ROS		56	49 35 512	124 38 278	160						
16		00:05	BO				49 35 500	124 38 252		167	182-193	12	19/10	✓	
		00:16	EN				49 35 423	124 38 168							
16	9	00:18		RAD			49 35.404	124 38.143							
16	8	1:07	BE	CTD		57	49 39 343	124 33 048	339						
		1:15	BO				49 39 349	124 33 036		333					
		1:22	EN				49 39 344	124 33 011							
16	7	2 21	BE	CTD		58	49 34 421	124 24 221	355				19/DT	✓	
		2 29	BO				49 34 402	124 24 175		350					
		2 36	EN				49 34 410	124 24 148							
16	6	3:15	BE	ROS		59	49 30 625	124 27 781	192						
		3:19	BO				49 30 649	124 27 782		187					
		3:30	EN				49 30 623	124 27 763							
16	5	4:12	BE	CTD		60	49 27 410	124 30 830	317						
		4:20	BO				49 27 439	124 30 772		313					
		4:22	EN				49 27 527	124 30 731							

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
 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

* Loop 16 done @
 ~21:30 approx.

49 27527 12430731

Daily_log_book.doc

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year				Ship				INSTITUTE OF OCEAN SCIENCES				
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								
16	4	5:16	BE	CTD		61	49 24 49.9	124 22 09.3	344							
		5:24	BO				49 24 49.8	124 22 11.4		340						
		5:31	EN				49 24 49.2	124 22 08.2								
16	3	6:08	BE	ROS		62	49 26 60.8	124 20 28.3	325							
		6:12	BO				49 26 60.4	124 20 28.0		321						
		6:30	EN				49 26 59.6	124 20 18.4								
16	LOOP16	07:04		LOOP			49 25 08	124 13 51								
16	2	07:27	BE	ROS		63	49 24.055	124 9.367	278				KB/DA/JE			
		07:39	BO				49 23.983	124 9.263		280						
		07:57	EN				49 23.809	124 9.158								
16	1	08:51	BE	CTD		64	49 20.328	124 12.108	248				KB/DA			
		09:02	BO				49 20.318	124 12.041		245						
		09:09	EN				49 20.333	124 11.956								
16	LOOP17	10:56		LOOP17			49 15 02.6	123 52 14.0								
16	43	13:53	BE	CTD		65	49 0 21.6	123 30 09.8	200				KB/HB			
		13:58	BO				49 0 21.4	123 30 10.0		193						
		14:02	EN				49 0 21.2	123 30 11.6								
Cast type: USW = sea water loop BOT = bottle cast, no CTD bottle firing method: Time Code																

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
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>June</i>				Year <i>2006</i>				Ship <i>Victor</i>				Cruise ID <i>2006-21</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
16	42	14:28	BE	ROS		66	49 18 34	123 26 172	319		247-262	16			
		14:36	BO				49 18 32	123 26 172		315					
		14:54	EN				49 18 10	123 26 183							
16	42	14:56		RAD		67									
16	LOOP18	~15:00		LOOP18											
16	41	16:03	BE	CTD		68	49 33 12	123 22 300	241						at sta 42.
		16:11	BO				49 33 02	123 22 290		236					See note - D
		16:15	EN				49 32 88	123 22 306							
16	46	18:47	BE	ROS		69	48 51.354	123 10.738	178						
		18:53	BO				48 51.371	123 10.666		169					
		19:06	EN				48 51.248	123 10.519							
16	46	19:09		RAD		70	48 51.208	123 10.461							
16	45	19:51	BE	optic CTD		71	48 53.903	123 8.388	126						KB/DA/UC
		19:57	BO				48 53.906	123 8.376		120					
		20:01	EN				48 53.915	123 8.388							
16	45	20:05		RAD		72	48 53.907	123 8.321							
16	44	20:49		CTD		73	48 56.798	123 5.996	118						KB/DA
		20:54					48 56.785	123 6.019		114					
		20:57					48 56.777	123 6.030							

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
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

note: between stn 41 and 46 we stopped for sediment grab samples (3) at GURDG for Biological/Brenda Burd.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year			Ship				Cruise ID					
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	
16	50	21:48	BE	CTD		74	48 37.685	122 56.080	25.9				KB/DA			
		21:51	BO				48 37.687	122 56.056		22						
		21:52	EN				48 37.684	122 56.052								
16	49	22:25	BE	CTD		75	48 54.992	122 59.640	129				KB/DA			
		22:29	BO				48 54.995	122 59.641		125						
		22:32	EN				48 55.107	122 59.621								
16	48	23:10	BE	Optic CTD		76	48 51.728	123 3 23.2	225				KB/DA	✓		
		23:15	BO				48 51.750	123 3 25.8		220					large 2-pulse trans at about 200m	
		23:21	EN				48 51.761	123 3 26.0								
16	48	23:25		RAD		77	48 51.774	123 03.267								
16	LOOP 19	22:50			LOOP 19		48 53.996	123 1 89.2					KB/DA			
17	47	00:19	BE	Optic CTD		78	48 49.306	123 6 18.7	182				KB/DA	✓		
		00:24	BO				48 49.330	123 6 16.0		179						
		00:29	EN				48 49.411	123 6 10.0								
17	47	00:32		RAD		79	48 49.430	123 6.093								
	56			BOS		80			214		275-287	13	KB/DA		Stn not done	

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
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

Note Stu SG - Was not done, due to emergency recall of ship to port. LR