

DAILY LOG BOOK

MISSION
NUMBER

2006 - 35

DATE:

From:

Nov 28

to:

Dec 2

VESSEL:

PROJECT:

SOG - JdF

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

Captain: Don Westwood First Officer: Gary
Second Officer: _____ Third Officer: _____

Mission Participants / Agencies:

Scientific Personnel: _____
Name _____
Party Chief: Diane Masson

[illegible]

Second leg of Mission:	Party Chief:		
Name	Watch	Cabin	Name
			Watch Cabin

[illegible]

Data logging computer:

88-g computer. _____
Data acquisition program: _____

CTD deck unit make: _____ model: _____ serial number: _____

Primary CTD

Make: Scabird model: _____ serial number: 0443
 Primary temperature serial number: 03P2095
 Primary conductivity serial number: 2424
 Secondary temperature serial number: 03P2668

Transmissometer:	Model:	s/n:	953DR	
Fluorometer: Model	Cable gain:	s/n:		P, S or NO pump?
Oxygen sensor:	Model:	s/n:	117	P, S or NO pump?
PAR sensor:	Model:	s/n:		
Other sensors:	Altimeter	s/n:	1233	P, S or <u>NO</u> pump?
Other sensors:		s/n:		P, S or NO pump?
Other sensors:		s/n:		P, S or NO pump?
Other sensors:		s/n:		P, S or NO pump?

Secondary CTD

Make: _____ model: _____ serial number: _____

Primary temperature serial number: _____ model: _____

Primary conductivity serial number:

Secondary temperature serial number:

Secondary conductivity serial number:

Transmissometer: _____ Model: _____

Fluorometer: Model _____ Cable gain: _____
 _____ model: _____

Oxygen sensor: _____
Model: _____

PAR sensor: _____ Model: _____

Other sensors: _____

Other sensors:

Other sensors:

Other sensors:

CTD calibration bottle location (height above CTD in metres):

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>11</i>				Year <i>2006</i>			Ship <i>Vector</i>				Cruise ID <i>2006-35</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
<i>29</i>	<i>5A</i>	<i>2:52</i>	<i>BE</i>	<i>ROS</i>		<i>1</i>	<i>48 39 511</i>	<i>123 30 110</i>	<i>175</i>	<i>139</i>	<i>1-2</i>	<i>2</i>	<i>FBH</i>	☒	<i>sample surf/10m</i>
		<i>2:57</i>	<i>BO</i>				<i>48 39 523</i>	<i>123 30 154</i>							<i>waited at surface</i>
		<i>3:01</i>	<i>EN</i>				<i>48 39 539</i>	<i>123 30 185</i>							<i>sensor frozen</i>
<i>29</i>	<i>59</i>	<i>4:45</i>	<i>BE</i>	<i>ROS</i>		<i>2</i>	<i>48 37.792</i>	<i>123 14.651</i>	<i>230</i>		<i>3-16</i>	<i>14</i>		☒	<i>salinity frozen</i>
		<i>4:52</i>	<i>BO</i>				<i>48 37.854</i>	<i>123 14.736</i>		<i>215</i>					<i>again waited at surface</i>
		<i>5:02</i>	<i>EN</i>				<i>48 38.058</i>	<i>123 14.830</i>							<i>*SNOW*</i>
<i>29</i>	<i>60</i>	<i>5:39</i>	<i>BE</i>	<i>CTD</i>		<i>3</i>	<i>48 33.888</i>	<i>123 12.829</i>	<i>297</i>						<i>*COLD*</i>
		<i>5:46</i>	<i>BO</i>				<i>48 33.908</i>	<i>123 12.859</i>		<i>289</i>					
		<i>5:51</i>	<i>EN</i>				<i>48 33.932</i>	<i>123 12.828</i>							
<i>29</i>	<i>103</i>	<i>15:17</i>	<i>BE</i>	<i>CTD</i>		<i>4</i>	<i>48 32.942</i>	<i>124 43.091</i>	<i>123</i>				<i>FBH</i>	☒	<i>snow</i>
		<i>15:21</i>	<i>BO</i>				<i>48 32.910</i>	<i>124 43.105</i>		<i>111</i>					
		<i>15:23</i>	<i>EN</i>				<i>48 32.873</i>	<i>124 43.133</i>							
<i>29</i>	<i>102</i>	<i>15:54</i>	<i>BE</i>	<i>ROS</i>		<i>5</i>	<i>48 29.992</i>	<i>124 43.984</i>	<i>259</i>		<i>17-31</i>	<i>14</i>	<i>FBH</i>		<i>swell</i>
		<i>16:01</i>	<i>BO</i>				<i>48 29.965</i>	<i>124 43.895</i>		<i>240</i>					<i>snowing</i>
		<i>16:10</i>	<i>EN</i>				<i>48 29.928</i>	<i>124 43.693</i>							
	<i>101</i>	<i>17:12</i>	<i>BE</i>	<i>CTD</i>		<i>6</i>	<i>48 25.498</i>	<i>124 45.055</i>	<i>250</i>						<i>south-east</i>
		<i>17:20</i>	<i>BO</i>				<i>48 25.684</i>	<i>124 45.094</i>		<i>245</i>					<i>choppy</i>
		<i>17:25</i>	<i>EN</i>				<i>48 25.909</i>	<i>124 45.288</i>							<i>*stop at 550m (angle in cable)</i>

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
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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 Nov				Year 2006			Ship Vector				Cruise ID 2006-35				
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							
29	73	21:08	BE	CTD	—	7	48 15.077	124 6.947	164		—	—	DT VF	✓	
		21:15	BO				48 15.062	124 7.042		153.6					
		21:15	EN				48 15.061	124 7.070							
	72	21:58	BE	ROS	UP	8	48 18.640	124 4.132	192		#32-44	13	DT VF	✓	
		22:02	BO				48 18.643	124 4.230	(186 Bridg)						
		22:08	EN				48 18.704	124 4.198		180					
	71	2304	BE	CTD	—	9	48 22.164	123 59.736	115		—	—	DT VF	✓	
		2308	BO				48 22.121	123 59.946	(108 Bridg)	100					
		2311	EN				48 22.096	124 0.024							
30	70	0043	BE	CTD		10	48 19.234	123 43.348	147				19/58	✓	
		0047	BO				48 19.244	123 43.361		144					
		0050	EN				48 19.261	123 43.358							
30	69	132	BE	ROS		11	48 15.617	123 43.255	177		45-56	12	19/58	✓	
		137	BO				48 15.620	123 43.337		174					
		144	EN				48 15.698	123 43.428							
30	68	225	BE	CTD		12	48 12.229	123 43.063	138				19/58	✓	
		228	BO				48 12.258	123 43.076		135					
		232	EN				48 12.298	123 43.103							

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30	105	4:24	BE	CTD		13	48 11.012	123 19.013	85						
		4:26	BO				48 11.012	123 18.994		80					
		4:28	EN				48 11.011	123 18.980							
	ADCP	4:57	BE	ROS		14	48 13.943	123 17.998	118						
		5:00	BO				48 13.945	123 17.990		110					
		5:06	EN				48 14.027	123 17.892							
	104	5:52	BE	CTD		15	48 20.044	123 17.953	82						
		5:55	BO				48 20.090	123 17.904		75					
		5:57	EN				48 20.125	123 17.868							
	67	6:20	BE	CTD		16	48 22.795	123 18.837	106						
		6:22	BO				48 22.847	123 17.900		100					
		6:26	EN				48 22.873	123 17.809							Rough sea & wind
30	58	9:31	BE	CTD		17	48 43.070	123 14.351	336		—	—	DT VF	✓	
		9:39	BO				48 43.033	123 14.477		334					
		9:46	EN				48 43.046	123 14.550							
30	57	10:26	BE	CTD		18	48 44.045	123 8.035	153		—	—	DE VF	✓	
		1030	BO				48 44.064	123 8.010		151					
		1034	EN				48 44.083	123 7.996							

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INSTITUTE OF OCEAN SCIENCES

Month NOVEMBER				Year 2006			Ship VECTOR				Cruise ID 2006-35				
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							
30	56	1118	BE	ROS	UP	19	48 46.327	123 1.630	216		67-80	14	DT VF	✓	
		1123	BO				48 46.319	123 1.613		216					
		1131	EN				48,380	123 1.642							
30	47	1243	BE	CTD	—	20	48 49 256	123 6 162	182		—	—	AB/DA		
		12 47	BO				48 49279	123 6 155		180					
		12 51	EN				48 49292	123 6 151							
30	48	1323	BE	CTD		21	48 51 685	123 3 160	219				TA/SA	✓	
		13 27	BO				48 51672	123 3 167		214				1	
		13 31	EN				48 51662	123 3 174							
30	49	1404	BE	CTD		22	48 54962	122 59 581	130				TA/SA	✓	
		14 08	BO				48 54985	122 59 561		128					
		14 10	EN				48 54998	122 59 555							
30	50	1439	BE	CTD		23	48 57672	122 56 098	25				P/SA	✓	
		14 40	BO				48 57673	122 50 089		24					
		14 41	EN				48 57676	122 56 081							
30	44	1534	BE	CTD		24	48 56 795	123 6 025	118				TA/SA		
		15 37	BO				48 56801	123 6 005		114					
		15 40	EN				48 56804	123 5 999							

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Month 11				Year 2006			Ship Vector			Cruise ID 2006-35					
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							
30	45	16:08	BE	CTD		25	48 53.858	123 8.401	127						
		16:10	BO				48 53.838	123 8.401		120					
		16:13	EN				48 53.813	123 8.430							
	46	16:36	BE	ROS		26	48 51.376	123 10.835	180		81-92	12			calm
		16:40	BO				48 51.361	123 10.850		175					
		16:46	EN				48 51.354	123 10.878							
	43	18:21	BE	CTD		27	49 0.215	123 30.145	200						
		18:25	BO				49 0.193	123 30.175		186					
		18:28	EN				49 0.178	123 30.190							
	42	18:57	BE	ROS		28	49 1.813	123 26.216	318		93-108	16			
		19:03	BO				49 1.788	123 26.231		310					
		19:14	EN				49 1.720	123 26.210							
30	41	19:44	BE	CTD		29	49 3 313	123 22 367	238			-	DT VF	✓	
		19:50	BO				49 3.314	123 22.325		243					
		19:56	EN				49 3.331	123 22.308							
30	37	21:18	BE	CTD		30	49 13.652	123 20.594	213		—	-	DT VF	✓	See note → NB
		21:22	BO				49 13.700	123 20.476		210					
		21:27	EN				49 13.717	123 20.411							

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— ON DISPLAY —

Lat. $251^{\circ} 36.786 S$
Long. $335^{\circ} 30.000 W$
1 DEC 2006
11:51:19

- noticed this display getting ready for station - concerned about starting profile if GPS not updating - called David Timothy & Steve Michaly.
- Decided to start to see if correct position & time come up on start up.
- Start up OK - continued. VF.
- Upon shut down - read out OK

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month Nov / DEC			Year 2006				Ship VECTOR				Cruise ID 2006-35				
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							
30	38	2205	BE	CTD	—	31	49 12.020	123 26.374	308		—	—	DT VF	✓	
		2212	BO				49 12.052	123 26.280		305					
		2219	EN				49 12.061	123 26.237							
30	39	2259	BE	ROS	UP	32	49 9.798	123 32.963	376		109-125	17	DT VF	✓	-no spiking when firing bottles
		2307	BO				49 9.858	123 33.035		373					
		2321	EN				49 9.934	123 33.061							
30	40	2349	BE	CTD	—	33	49 8.662	123 36.865	146		—	—	LOSM	✓	
		2353	BO				49 8.732	123 36.910		148					
		2357	EN				49 8.762	123 36.935							
Dec 1	26	1:05	BE	CTD	—	34	49 14.297	123 50.783	265		—	—	everyone		
		0113	BO				49 14.348	123 50.744		260					
		0117	EN				49 14.35	123 50.75		260					
1	27	152	BE	ROS	down	35b	49 19.090	123 47.987	343		126-141	16	LOSM	✓	bottles not firing restarted
		206	BO			35a	49 19.115	123 47.924		340					ignore 35a, 35b aborted
			EN				49	123							
1	27	316	BE	ROS		35	49 19.152	123 48.018	343		126-141	11	LOSM		restart
		323	BO				49 19.144	123 47.968		336					using con file
		336	EN				49 19.127	123 47.832							note! → 0943 ctd.con

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→ SEE NOTE ON NEXT PAGE

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>December</i>				Year <i>2006</i>			Ship <i>Vecton</i>				Cruise ID <i>2006-35</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							
1	28	4:15	BE	CTD		36	49 24.074	123 45.253	132						
		4:19	BO				49 24.096	123 45.241		125					
		4:21	EN				49 24.107	123 45.228							
1	2	5:58	BE	ROS		37	49 24.071	124 9.296	282						
		6:05	BO				49 24.052	124 9.364		270					
		6:14	EN				49 24.034	124 9.427							
1	1	6:47	BE	CTD		38	49 20.314	124 12.044	248						
		6:53	BO				49 20.291	124 12.016		235					
		6:57	EN				49 20.284	124 11.990							
1	4	0753	BE	CTD		39	49 24.456	124 22.153	338		—	—	DT VF	✓	
		0800	BO				49 24.523	124 22.247		338					
		0805	EN				49 24.578	124 22.282							
1	3	0828	BE	ROS		40	49 26.572	124 20.216	327		156-171	16	DT VF	✓	fluor peak @ 20-30m
		0836	BO				49 26.452	124 20.108		325					
		0847	EN				49 26.336	124 19.975							
1	5	0940	BE	CTD	UP	41	49 27.379	124 30.820	314		—	—	DT VF	✓	
		0946	BO				49 27.400	124 30.887		313					
		0952	EN				49 27.421	124 30.922							

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Month DECEMBER				Year 2006				Ship VECTOR				Cruise ID 2006-35				
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	
1	6	1021	BE	ROS	UP	42	49 30.577	124 27.763	190		172-184	13	DT VF	✓		
		1026	BO				49 30.574	124 27.822		189						
		1033	EN				49 30.583	124 27.889								
1	7	1109	BE	CTD		43	49 34.458	124 24.235	352		—	—	DT VF	✓		
		1118	BO				49 34.464	124 24.310		348						
		1124	EN				49 34.468	124 24.282								
1	8	1217	BE	CTD		44	49 39.330	124 33.023	336		—	—	10/5M	✓		
		1225	BO				49 39.426	124 32.984		337						
		1231	EN				49 39.476	124 32.927								
1	9	1318	BE	ROS		45	49 35.496	124 38.340	166		185-194	12	10/5M	✓		
		1322	BO				49 35.509	124 38.334		164						
		1330	EN				49 35.521	124 38.302								
1	10	1424	BE	CTD		46	49 40.693	124 47.312	92				10/5M	✓		
		1427	BO				49 40.693	124 47.347		89						
		1429	EN				49 40.690	124 47.357								
1	11	1501	BE	CTD		47	49 42.366	124 43.445	298				10/5M	✓		
		1508	BO				49 42.348	124 43.404		295						
		1514	EN				49 42.342	124 43.367								

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Daily_log_book.doc

1 DECEMBER STN 27 ROSETTE DOES NOT APPEAR TO FIRE AT BOTTOM. BOTTLE FIRE PANEL AND BOTTLE FIRING SEQUENCE INDICATE 1 BOTTLE FIRED, BUT NO RED LINE ON PLOT. AT NEXT DEPTH STATION FIRING BOTTLES THROUGH THE SOFTWARE DOES NOT INCREMENT PANEL OR SEQUENCE. WE TRY FIRING FROM DECK UNIT, WHICH SEEMS TO WORK, HOWEVER BY THEN WE DO NOT KNOW HOW MANY BOTTLES MAY HAVE BEEN TRIPPED AND CHOOSE TO BRING ROSETTE TO THE DECK. (DURING THESE TEST WE REBOOT SOFTWARE, COMPUTERS AND DECK UNIT)

ON DECK WE DISCONNECT AND RECONNECT LTD END OF PYLON CONNECTOR CABLE AND CHECK WORD OUT PUT FROM PYLON MODEM. ROTARY SWITCHES TO "E" SHOWS NO OUTPUT, WHEREAS IF IT WAS WORKING PROPERLY, RIGHTMOST DISPLAY SHOULD SHOW "0". SOFTWARE APPEARS TO WORK FINE BUT WHEN IT BEGINS TO TALK TO CAROUSEL, BOTTLE FIRE PANEL SHOWS AND BOTTLE FIRE SEQUENCE CHANGE TO "1". FIRING FROM DECK UNIT WORKS PROPERLY AND CAST IS REDONE FIRING THE BOTTLES IN THAT WAY.

AFTER CAST WE REINSTALL SEASAVE (NOTE: I HAPPENED TO HAVE A COPY ON MY LAPTOP - COULD NOT FIND ANY WITH LTD STUFF - SHOULD HAVE SAVED). REINSTALLATION SEEMS TO ONLY DO A "MAINTENANCE AND REPAIR" INSTALL OVER THE ORIGINAL. NO IMPROVEMENT.

WE REPLACE PYLON CABLE, WORD "E" STILL SHOWS NOTHING AND SOFTWARE STILL ACTS THE SAME - DO ANOTHER CAST. (A PREVIOUS CAST SHOWED "SPIKING" ON BOTTLE TRIPPING I AM TOLD AND CABLES WERE)
 HENCE SUSPECT

NEXT WE COMPLETELY UNINSTALL SOFTWARE AND START FROM SCRATCH RECONFIGURING EVERYTHING INCLUDING THE WATER SAMPLER. THIS, WITH AN UNKNOWN COMBINATION OF THE PROCEDURES ABOVE APPEARS TO SOLVE THE PROBLEM AND BOTTLES FIRE NORMALLY FROM SOFTWARE. HOWEVER WORD "E" STILL DOES NOT SHOW "0". INDICATING RETURN COMMUNICATION FROM THE PYLON MODEM.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>12</i>				Year <i>2006</i>			Ship <i>Vector</i>				Cruise ID <i>2005-35</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
<i>1</i>	<i>12</i>	<i>1537</i>	<i>BE</i>	<i>ROS</i>		<i>48</i>	<i>49 43.535</i>	<i>124 40.824</i>	<i>353</i>		<i>197-212</i>	<i>16</i>	<i>14/57</i>	☒	
		<i>15:45</i>	<i>BO</i>				<i>49 43.495</i>	<i>124 40.697</i>		<i>345</i>					
		<i>16:00</i>	<i>EN</i>				<i>49 43.420</i>	<i>124 40.438</i>							
<i>1</i>	<i>13</i>	<i>17:40</i>	<i>BE</i>	<i>CTD</i>		<i>49</i>	<i>49 55.742</i>	<i>124 55.243</i>	<i>232</i>					☒	
		<i>17:45</i>	<i>BO</i>				<i>49 55.312</i>	<i>124 55.289</i>		<i>220</i>					
		<i>17:49</i>	<i>EN</i>				<i>49 55.308</i>	<i>124 55.322</i>							
<i>1</i>	<i>14</i>	<i>18:17</i>	<i>BE</i>	<i>ROS</i>		<i>50</i>	<i>49 52.977</i>	<i>124 59.611</i>	<i>319</i>		<i>213-228</i>	<i>16</i>		☒	
		<i>18:23</i>	<i>BO</i>				<i>49 53.011</i>	<i>124 59.617</i>		<i>305</i>					
		<i>18:37</i>	<i>EN</i>				<i>49 53.017</i>	<i>124 59.585</i>							
<i>1</i>	<i>15</i>	<i>19:00</i>	<i>BE</i>	<i>CTD</i>		<i>51</i>	<i>49 51.576</i>	<i>125 1.576</i>	<i>125</i>					☒	
		<i>19:03</i>	<i>BO</i>				<i>49 51.566</i>	<i>125 1.577</i>		<i>120</i>					
		<i>19:05</i>	<i>EN</i>				<i>49 51.569</i>	<i>125 1.578</i>							
<i>1</i>	<i>16</i>	<i>2005</i>	<i>BE</i>	<i>ROS</i>	<i>UP</i>	<i>52</i>	<i>49 57.688</i>	<i>125 8.618</i>	<i>156</i>		<i>229-239</i>	<i>11</i>	<i>DT</i>	☒	<i>Lots of current</i>
		<i>2010</i>	<i>BO</i>				<i>49 57.704</i>	<i>125 8.700</i>		<i>156</i>					<i>-large wind angle</i>
		<i>2018</i>	<i>EN</i>				<i>49 57.677</i>	<i>125 8.726</i>							
<i>1</i>	<i>17</i>	<i>2045</i>	<i>BE</i>	<i>CTD</i>	<i>-</i>	<i>53</i>	<i>49 58.789</i>	<i>125 4.280</i>	<i>264</i>		<i>—</i>	<i>—</i>	<i>DT</i>	☒	
		<i>2051</i>	<i>BO</i>				<i>49 58.775</i>	<i>125 4.222</i>		<i>260</i>					
		<i>2056</i>	<i>EN</i>				<i>49 58.769</i>	<i>125 4.180</i>							

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

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IT IS POSSIBLE THAT THE WATER SAMPLER WAS INCORRECTLY CONFIGURED, THIS WAS NOT CHECKED PRIOR TO THE FINAL REINSTALL WHERE EVERYTHING WAS RECONFIGURED. THE COMMUNICATION FROM THE PYLON MODEM MAYBE DIFFERENT FOR THE SBE CAROUSEL AS THE MANUALS APPEAR TO BE WRITTEN FOR THE G.O. CAROUSEL. EVERYTHING APPEARS TO BE WORKING FINE ON SUBSEQUENT ROSETTE LASTS — STEVE

POST SCRIPTUM: IT APPEARS THAT IF ANY OTHER CAROUSEL TYPE IS SELECTED IN "WATER SAMPLER CONFIGURATION" THAN THE CORRECT "SBE CAROUSEL" WHEN SEASAVE SETS UP COMMUNICATIONS FIRING SEQUENCE AND BOTTLE FIRE PANEL WILL SHOW "1" BOTTLE FIRED

→ So, stn 27 was done by firing bottles from Deck Unit. (Diana)

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month 12 (DEC)				Year 2006			Ship VECTOR				Cruise ID 2006-35				
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							
1	18	2124	BE	CTD	—	54	49 59.202	124 58.945	148		—	—	DT VF	✓	
		2127	BO				49 59.184	124 58.916		147					
		2130	EN				49 59.174	124 58.909							
1	19	2207	BE	CTD	—	55	50 1.214	124 52.847	274		—	—	DT VF	✓	
		2214	BO				50 1.223	124 59.903		273					
		2219	EN				50 1.226	124 59.945							
2	20	0:22	BE	CTD	—	56	49 47.212	124 32.287	315		—	—	DT VF	✓	bottom !!!
		0:28	BO				49 47.237	124 32.344		308					
		0:34	EN				49 47.257	124 32.377							
2	22	159	BE	CTD		57	49 40.246	124 16.375	352				DT VF	✓	
		207	BO				49 40.207	124 16.424		348					
		213	EN				49 40.182	124 16.469							
2	24	333	BE	CTD		58	49 30.335	124 59.96	423				DT VF	✓	
		342	BO				49 30.295	124 60.59		421					
		350	EN				49 30.272	124 61.30							
2	51	1040	BE	CTD		59	48 46.704	122 51.564	163		—	—	DT VF	✓	
		1043	BO				48 46.703	122 51.557		156					
		1046	EN				48 46.714	122 51.559							

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2	52	1213	BE	CTD	-	60	48 38.857	122 43.248	82		—	—	DT VF	✓	→
		1216	BO				48 38.852	122 43.297							
		1219	EN				48 38.852	122 43.326							
2	53	1300	BE	CTD	-	61	48 33.166	122 44.988	60		—	—	10/4M	✓	
		1302	BO				48 33.139	122 44.999		62					
		1304	EN				48 33.127	122 45.008					10/4M		
2	54	1349	BE	CTD		62	48 26.593	122 44.308	77					✓	
		1351	BO				48 26.578	122 44.294		77					
		1353	EN				48 26.566	122 44.287							
2	63	1537	BE	CTD		63	48 14.611	122 58.518	152					✓	
		1541	BO				48 14.608	122 58.535		150					
		1544	EN				48 14.602	122 58.534							
	64	16:21	BE	CTD		64	48 12.806	123 5.818	109					✓	
		16:24	BO				48 12.818	123 5.842		105					
		16:27	EN				48 12.826	123 5.869							
	65	16:58	BE	ROS		65	48 15.896	123 9.756	125		240-249	10		✓	
		17:00	BO				48 15.402	123 9.734		120					
		17:07	EN				48 15.884	123 9.686							

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the altimeter was not working regularly on our last shift - stations 16-19, not always reading the height when near bottom. On this cast at ~10 mab T+S began to increase a lot, but transmissometer decreased. Probably an interesting water mass but we came back for fear of hitting bottom. Start pinging! (and fix altimeter.)

DT and VF

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[illegible]

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