

DAILY LOG

CRUISE
NUMBER

2011-16

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

24 MAY - 3 JUNE 2011

VESSEL

JOHN P TULLY

PROJECT

LA PEROUSE / WCVI

SIMON SCHWARTZ
 First Officer: ALAN YOUNG
 RILLOIA LEITAO
 Third Officer: JOEY

IOS, UBC, UVC

Doug Yelland 1200-1600 F

NINA NEMCEK	HP/LC/1149	B
SCOTT ROSE	4-8	C
KELLY YOUNG	4-8	D
ROLAND AN	4-8	E
DAN BEVAN	12-4	F
MEI SATO	8-12	G
JULIE THOMAS	12-4	G
CHRISTA STANLEY +02	00-04	H
MARIA GABRIATH	8-12	Up
MARIE ROBERT	8-12	A

Name	Watch	Cabin	Name	Watch	Cabin
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CTD deck unit make: _____ model: _____ serial number: _____

Make: Seabird model: 911 serial number: 550

Primary conductivity sensor serial number: 2374 Calibration date: _____

Secondary conductivity sensor serial number: 2668 Calibration date:

Other sensors:	Exposure meter	PAR	QSP200	s/n:
				4601

Other sensors: Wetlabs Secipoint fluorometer s/n: 2336

Make: _____ model: _____ serial number: _____

Primary conductivity sensor serial number: _____
Calibration date: _____

Secondary conductivity sensor serial number: _____
Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____

S/n: _____

Comments:

Serial #:	use:	Serial #:	use:
1. Swann model:		serial #:	use:
2. Swann model:		serial #:	use:
3. Swann model:		serial #:	use:
4. Swann model:		serial #:	use:
5. Swann model:		serial #:	use:
6. Swann model:		serial #:	use:
7. Swann model:		serial #:	use:

Comments:

model: serial number:

Sampling interval (seconds): 10 or 30

Sensor serial number: _____

Comments: _____

Program version: _____
 Time zone: _____
 Sampling interval (seconds): _____
 Blank beyond transmit: _____
 % pings good threshold: _____
 Comments: _____
 Number of depth bins: _____
 Bin length (2X): _____
 Pulse length: _____
 Pings per ensemble: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text on the paper.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		MA		Ship		J. P. TULLY		Cruise I.D.		2011-16		P1	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Bottom Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
25	SI03	ROS	0255	BE	1	48° 35.36	123° 30.18	✓	226	217	1-12	12	SR	PAR ON			
			0300	BO		48° 35.38	123° 30.19										
			0320	EN		48° 35.42	123° 30.24										
25	Loop 1	USW	1353			48° 30.35	124° 47.99							1 SAC, 2 HPLC			
25	LB01	ROS	1541	BE	2	48° 40.45	124° 59.30	✓	37				3MS				
			1542	BE		48° 40.45	124° 59.29			26	13-15	3					
			1546	EN		48° 40.48	124° 59.21										
25	LB02	ROS	1621	BE	3	48° 39.02	125° 02.46	✓	57				3MS				
			1624	BO		48° 39.01	125° 02.44			45	16-20	5					
			1629	EN		48° 39.03	125° 02.41										
25	LB03	ROS	1705	BE	4	48° 37.37	125° 05.40	✓	93				3MS				
			1707	BO		48° 37.34	125° 05.43			84	—	Ø					
			1709	EN		48° 37.34	125° 05.45										
25	LB04	ROS	1737	BE	5	48° 35.64	125° 08.65	✓	114				3MS				
			1739	BO		48° 35.62	125° 08.60			104	21-27	7					
			1749	EN		48° 35.59	125° 08.52										
25	E1	ROS	1829	BE	6	48° 31.66	125° 03.79	✓	117				3MS				
			1832	BO		48° 31.67	125° 03.83			107	—	Ø					
			1835	EN		48° 31.66	125° 03.87										
Cast type:		BOT = otter cast CTD = CTD		ROS = Rosette		USW = sea water loop		Time Code		BE = beginning time of cast		DF = deployment time					

Cast type: BOT = otter cast CTD = CTD MOR = mooring

ROS = Rosette NET = net haul DRF = drifter

USW = sea water loop

Time Code BE = beginning time of cast BO = bottom time of cast EN = end of cast time

DE = deployment time MR = messenger release time RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		HAI		Ship		TULLY		Cruise I.D.		2011-16		P2	
Day	Station ID.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Port Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initialed	Comments			
25	E1	NET		BE	7	48° 31.70	125° 4.04		122						switched TSG to 3082C		
1	1	1	1900	BO	1	48° 31.70	125° 4.04			108					Bongo		
			1904	EN		48° 31.70	125° 4.04										
25	LB05	ROS	1954	BE	8	48° 33.90	125° 17.14		101								
			1956	BO		48° 33.89	125° 12.15			91	-						
			1958	EN		48° 33.88	125° 12.16										
25	LB06	ROS	2058	BE	9	48° 32.16	125° 15.53		114								
			2100	BO		48° 32.16	125° 15.55			104	28-35	8			extra 15m		
			2111	EN		48° 32.18	125° 15.57										
	C1	ROS	2152	BE	10	48° 28.92	125° 15.55		150								
			2155	BO		48° 28.92	125° 15.56			140	-						
			2158	EN		48° 28.92	125° 16.00										
	C1	NET	2206	BE	11	48° 28.93	125° 15.73		152								
			2211	BO		48° 28.94	125° 15.84			140					Bongo		
			2214	EN		48° 28.95	125° 15.90										
25	C2	ROS	2302	BE	12	48° 26.11	125° 9.36		160								
			2305	BO		48° 26.11	125° 9.39			150	-						
			2307	EN		48° 26.12	125° 9.43										

Cast type:

BOT = otter cast
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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		MAY		Ship		Tully		Cruise I.D.		2011-16		p3	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials + Trans	Comments			
25	C2	NET	2321 (Local)		13	48° 26.17	125° 9.75		160	150			SR	1621 Local time			
26	C3	ROS	0017	BE	14	48° 23.43	125° 20.83	123					SR ✓				
			0620	BO		48° 23.44	125° 20.89		118								
			0021	EN		48° 23.46	125° 20.96				—	∅					
26	C3	Net	0029	BO	15	48° 23.57	125° 21.25		123	113					35' wire angle		
	LB07	ROS	0117	BE	16	48° 28.68	125° 22.08		157				SR ✓				
			0120	BO		48° 28.69	125° 22.08			147	—	∅					
			0122	EN		48° 28.68	125° 22.08										
	LB07	NET	0137	BO	17	48° 28.607	125° 22.048		157	145			SR	1837 Local time			
	B8	ROS	0240	BE	18	48° 34.45	125° 30.10		138				SR ✓				
			0243	BO		48° 34.47	125° 30.11			130							
			0246	EN		48° 34.49	125° 30.12				—	∅					
26	B4	NET	0257	BO	19	48° 34.62	125° 30.14		124	113							
26	B7	ROS	0342	BE	20	48° 32.04	125° 35.44		79				3H5 ✓				
			0344	BO		48° 32.04	125° 35.44			70	—	∅					
			0346	EN		48° 32.04	125° 35.43										
26	B7	NET	0356	BO	21	48° 32.01	125° 35.41		80	70					TSG restarted		

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Year		2011		Month		MA		Ship		TULLY		Cruise I.D.		2011-16		P4	
Day	Station ID.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
26	LB08	NET	0500	B0	22	48 25.67	125 28.90		138				3H5	Bongu			
26	LB08	ROS	0516	BE	23	48 25.65	125 28.35		162				3H5 ✓	Roseke out of order			
			0520	B0		48 25.63	125 28.31			155	36-46	11		NISTIN ORDER THAT			
			0532	EN		48 25.63	125 28.28										
26	LB09	ROS	0623	BE	24	48 21.91	125 34.53		151				3H5 ✓				
			0626	B0		48 21.92	125 34.54			140	47.54	8					
			0637	EN		48 21.92	125 34.54										
26	LB10	ROS	0732	BE	25	48 18.54	125 41.20		153				CDJ ✓				
			0735	B0		48 18.55	125 41.26			140	-	8					
			0738	BE		48 18.51	125 41.21										
26	LB11	ROS	0829	BE	26	48 15.15	125 47.63		208		55.65	11	CDJ ✓				
			0834	B0		48 15.16	125 47.64			194							
			0849	BE		48 15.18	125 47.76										
26	LB14	NET	0917	B0	27	48 15.31	125 47.83		265	195			CDJ	Bongu			
26	LB12	ROS	0958	BE	28	48 12.83	125 51.86		516		66-82	17	CDJ	Roseke NISTIN out of order			
			1006	B0		48 12.81	125 51.90			809							
			1027	EN		48 12.82	125 52.12										

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Year		2011		Month		May		Ship		Tuesday		Cruise I.D.		2011-16		PS	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Transcribed	Comments		
26	LB13	ROS	1117	BE	29	48° 10.52	125 56.16		920			Ø	SR				
			1131	BO		48 10.54	125 56.22			911							
			1144	EN		48 16.56	125 56.30										
26	LB14	ROS	1217	BE	30	48° 08.42	126 00.00	✓	2061		83-103	21	SR	✓	PAR OFF		
			1236	BO		48° 08.41	126 0.12	1		1194							
			1319	EN		48° 08.54	126 0.26										
26	LB15	ROS	1417	BE	31	48° 04.40	126° 08.60	✓				Ø	SR	✓			
			1451	BO		48° 04.50	126° 08.95		1572	1587			3Hs				
			1514	EN		48° 04.54	126° 08.94										
26	LB16	ROS	1610	BE	32	48° 00.54	126° 17.03	✓	1775			Ø	3Hs		Alt kicked in 25		
			1640	BO		48° 00.54	126 17 20		1760	1790	—				From bottom		
			1707	EN		48° 00.62	126 17.24										
26	LB16	NET	1724	BE	33	48 00 46	126 16.99		1786	1755			HD		Multifined		
			1853	BO		48 00.48	126 17.00										
			20.19	EN		48 00.44	126 17.44		2511								
	LC12	ROS	2238	BE	34	48 14.80	126 40.20										
			2322	BO		48 14.83	126° 40.30	✓		2005	104-106	3	SR		HPLC		
			2357	EN		48° 14.86	126° 40.32										
27	LC12	NET	0019	BO	35	48° 14.69	126° 40.40										

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Oxygen plug used for the first time after cast 84, LC12.

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Year		2011		Month		MAY		Ship		TULCY		Cruise I.D.		2011-16		pg	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
27	LC12	NET	0045	B0	36	48 14.40	126 40.27		0504					MPS - MULTINET			
			0210	BE		48 13.66	126 39.762			1960							
			0309	EN		48 13.256	126 38.998										
27	LC11	ROS	0418	BE	37	48 18.91	126 26.72	✓	1483	1445	107-126	19	3MS	Getting shallower fast!			
			0442	B0		48 19.07	126 26.64										
			0526	EN		48 19.08	126 26.60										
27	LC10	ROS	0613	BE	38	48 22.39	126 20.15	✓	1235		—	Ø	3MS	Time in Seabase increases only every 2			
			0633	B0		48 22.39	126 20.02			1239							
			0649	EN		48 22.38	126 20.00										
21	LC09	NET	0742	B0	39	48 25.97	126 13.55		600	250	—	Ø	CDT	BONHO			
21	LC09	ROS	0751	BE	40	48 25.97	126 13.66	✓	600		127-144	18	CDT	NISIKI'S TIED OUT OF ORDER			
			0808	B0		48 25.96	126 13.67			595				- Attinger Shored 15m			
			0830	EN		48 25.95	126 13.67							off bottom 0595 → sounder said			
21	A2	NET	0932	B0	41	48 22.72	126 03.77		352	250	—	Ø	CDT	BONHO			
27	A2	ROS	0949	BE	42	48 22.70	126 03.79		355		—	Ø	CDT				
			0956	B0		48 22.71	126 03.75			345							
			1002	EN		48 22.74	126 03.81										
27	LC08	NET	1100	B0	43	48 29.471	126 07.125		198	186	—	Ø		0406 LOG 14 hours			

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Year 2011		Month May		Ship TULLY		Cruise I.D. 2011-16		P7						
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
21	LC03A1	ROS	1116	BE	44	48° 29.47	126° 7.09	✓	198		145-155	11	gar	
			1120	BO		48° 29.47	126° 7.06			191				
			1137	BN		48° 29.45	126° 7.04							
27	LC07	ROS	1223	BE	45	48° 33.98	126° 0.33	✓	127			Ø	SR	PAR back on
			1224	BS		48° 33.98	126° 0.35			121				
			1226	EN		48° 33.98	126° 0.38							
27	LC06	NET	1310	BO	46	48° 36.458	125° 54.044		93	83		Ø	KJ	0610 local
27	LC06	ROS	1323	BE	47	48° 36.50	125° 54.07	✓	92	86	156-165	10		
			1325	BO		48° 36.51	125° 54.08							
			1334	EN		48° 36.49	125° 54.07							
27	LC05	ROS	1417	BE	48	48° 39.92	125° 47.31							
			1418	BO		48° 39.92	125° 47.30	✓	65			Ø		
			1420	BN		48° 39.91	125° 47.29							Firing out of order.
27	LC04	ROS	1504	BE	49	48° 43.43	125° 40.61	✓	164	157	166-177	12	3Ms	
			1507	BO		48° 43.41	125° 40.60							
			1519	EN		48° 43.25	125° 40.65							
27	LC04	NET	1539	BO	50	48° 43.344	125° 40.772		166	156			mq	08:29 local

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Year 2011			Month			Ship			Cruise I.D.			2011-16		P8
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
27	LC03	ROS	1618	BE	51	48 47.00	125 34.25	✓	135		—	Ø	3Ms	CHL MAX 25
			1621	BO		48 47.00	125 34.26			125				
			1623	EN		48 47 00	125 34 27							
27	LC02	ROS	1647	BE	52	48 48.71	125 30.91	✓	110		178-184	7	3Ms	CHL MAX 20 →
			1650	BO		48 48.69	125 30.92							
			1659	EN		48 48 66	125 30.95							
27	LC01	ROS	1734	BE	53	48 50 30	125 27 67	✓	95		185-194	10	3Ms	Firing Order out of sequence
			1736	BO		48 50 49	127 27 69			85				
			1745	EN		48 50 40	127 27 73							
27	LD01	ROS	1922	BE	54	48 59.95	125 43.66		37					out of sequence
			1924	BO		48 59.95	125 43.65	✓			195-201	7	3Ms	
			1931	EN		48 59.94	125 43.64							
	LD02	ROS	2002	BE	55	48 58.40	125 46.83		43					
			2004	BO		48 58.39	125 46.83	✓		33	202-206	5	3Ms	
			2010	EN		48 58.38	125 46.87							
	LD02	NET	2020	BO	56	48 58.39	125 46.84		44	34				Brugga

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Longard of NISCIN is over the line. Top part open but bottom end closed.

Made a knot in Longard to shorten. Heads of knot will show @ east 52 to west 140.

DAILY LOG

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INSTITUTE OF OCEAN SCIENCES

Year 2011				Month May		Ship Tully				Cruise I.D. 2011-16 P9				
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
27	LD03	ROS	2049	BE B0	57	48 56.62	125 50.67	✓	47		—	Ø		
			2051	B0		48 56.62	125 50.27			37	—			
			2053	EN		48 56.61	125 50.27							
27	LD04	ROS	2138	BE B0	58	48 53.29	125 56.90	✓	62					
			2140	B0		48 53.29	125 56.92			52	207-215	9		HPLC
			2149	EN		48 53.33	125 57.05							
27	LD04	NET	2156	B0	59	48 53.35	125 57.13		62	52				Bongo
27	LD05	ROS	2249	BE B0	60	48 49.82	126 3.89	✓	90					
			2251	B0		48 49.83	126 3.72			80	—	Ø		
			2253	EN		48 49.84	126 3.75							
27	LD06	ROS	2343	BE B0	61	48 46.30	126 10.03	✓			216-226	11		
			2346	B0		48 46.28	126 10.06							
				EN		48 46.	126							
28	LD07	ROS	0045	BE B0	62	48 42.70	126 16.80	✓	500					
			0054	B0		48 42.76	126 16.80				—	Ø		
			0107	EN		48 42.80	126 16.74							
28	LD08	ROS	0153	BE B0	63	48 39.26	126 23.21	752						Out-of-sequence
			0203	B0		48 39.25	126 23.26				227-245	19		
			0228	EN		48 39.25	126 23.27							

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Year		2011		Month		MAY		Ship		TULLY		Cruise I.D.		2011-16		P10	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
28	LD09	ROS	0319	BE	64	48° 35.65	126° 29.97	✓	1060		—	Ø	3Ms	PAE OFF before LD09			
			0338	BO		48° 35.70	126° 30.01			1050							
			0354	EN		48° 35.75	126° 30.01										
28	LD09	NET	0409	BO	65	48° 35.79	126° 30.14		1040					2109 local Bongo to 250m			
28	LD10	ROS	0500	BE	66	48° 32.25	126° 36.53	✓	1470								
			0525	BO		48° 32.35	126° 36.69			1468	—	Ø	3Ms				
			0547	EN		48° 32.38	126° 36.78										
28	LD11	ROS	0636	BE	67	48° 28.78	126° 43.04	✓	1580				3Ms	FIRING OUT OF ORDER			
			0704	BO		48° 28.87	126° 43.11			1560	246-269	24	CD				
			0750	EN		48° 24.83	126° 42.94										
	LG09	ROS	1117	BE	68	48° 51.22	127° 19.28	✓	2050		—	Ø	SR	Spike in seal			
			1149	BO		48° 51.23	127° 19.32			2008				01350m, maybe			
			1221	EN		48° 51.20	127° 19.38							just a blockage			
	LG09	NET	1235	BO	69	48° 51.19	127° 19.298		2050	250	—	Ø		0535 local time			
	LG08	ROS	1323	BE	70	48° 55.28	127° 13.22	✓	2050		270-272	3					
			1356	BO		48° 55.28	127° 13.63			2005							
			1432	EN		48° 55.36	127° 13.97										

Cast type:

BOT = otter cast
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ROS = Rosette
NET = net haul
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast
BO = bottom time of cast
EN = end of cast time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		MAY		Ship		TULLEY		Cruise I.D.		2011-16		P 11	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
28	LG07	ROS	1515	BE	71	48.59 46	127.07 32	✓	1742		—	Ø	3M _s				
			1539	BO		48.59 55	127.07.59			1750							
			1610	EN		48.59.56	127.07.67										
28	LG07	NET	1624	BO	72	48.59.57	127.07.76		1747	250			3M _s	Bongo to 250m			
28	LG06	ROS	1711	BE	73	49.03.50	127.01.16	✓	945		273-292	20	3M _s	PAR ON			
			1728	BO		49.03.51	127.01.33			973						FIRING OUT OF ORDER	
			1800	EN		49.03.55	127.01.26										
28	LG05	ROS	1840	BE	74	49.07.32	126.55.30	✓	275		—	Ø	3M _s				
			1845	BO		49.7.34	126.55.30										
			1849	EN		49.7.37	126.55.28										
28	LG04	ROS	1929	BE	75	49.11.27	126.49.51	✓	146				3M _s				
			1933	BO		49.11.28	126.49.47			135	293-303	11					
			1943	EN		49.11.25	126.49.54										
28	LG04	NET	1955	BO	76	49.11.29	126.49.56		146	136						Bongo	
28	LG03	ROS	2044	DE	77	49.15.00	126.43.77	✓	120								
			2047	BO		49.15.00	126.43.79			110	—	Ø					
			2049	EN		49.15.00	126.43.80										

Cast type: BOT = otter cast CTD = CTD ROS = Rosette NET = net haul MOR = mooring DRF = drifter

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Time Code BE = beginning time of cast BO = bottom time of cast EN = end of cast time

DE = deployment time MR = messenger release time RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		May		Ship		Tully		Cruise I.D.		2011-16		P12	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
28	LG02	ROS	2130	BE	78	49 18.73	126 38.20	✓	100				dy				
			2133	BO		49 18.73	126 38.22			90	304-313	10					
			2144	EN		49 18.76	126 38.30										
28	LG01	NET	2155	BO	79	49 18.83	126 38.34		100	90				Bongo			
28	LG01	ROS	2224	BE	80	49 20.64	126 35.19	✓	51				dy	Bottom/Ltlo 40m			
			2226	BO		49 20.65	126 35.19			40	314-318	5		Calder 0079 *			
			2231	EN		49 20.71	126 35.21										
29	LBP1	ROS	0534	BE	81	50 04.72	127 52.70	✓	52				3Ms				
			0536	BO		50 04.73	127 52.70			40	319-321	3					
			0540	EN		50 04.68	127 52.77										
29	LBP2	ROS	0559	BE	82	50 03.98	127 54.11	✓	98			Ø	3Ms				
			0602	BO		50 03.98	127 54.11			90							
			0604	EN		50 03.98	127 54.11										
29	LBP2	NET	0615	BO	83	50 03.96	127 54.36		98	90			3Ms	2315 local			
29	LBP3	ROS	0640	BE	84	50 03.23	127 55.47	✓	168		322-334	13		PAR OFF			
			0644	BO		50 03.21	127 55.58		173	165				Firing out of order			
			0658	EN		50 03.21	127 55.87										
29	LBP3	NET	0713	BO	85	50 03.24	127 55.95		180	170			CBT	Bongo			

Cast type: BOT = bottle cast
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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		MAY		Ship		Cruise I.D.		2011-16		P13	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments	
29	LB04	ROS	0843	BE	86	50° 01.44	121° 54.00		1100		—	—	CDT	* See comments	
			0901	BO		50° 01.37	121° 58.31			1086					
			0917	EN		50° 01.38	121° 58.46								
29	LB05	NET	0943	BO	87	50° 00.08	128° 00.00			250	—	—	CDT	BODAO	
29	LB05	ROS	1000	BE	88	50° 00.04	128° 00.29		1281		335-355	21	CDT	Didn't archive	
			1021	BO		50° 00.12	128° 00.11			1270				on downcast.	
			1101	BO		50° 00.04	128° 00.13							Redo on event 89	
	LB05	ROS	1139	BE	89	49° 59.62	128° 00.27	✓	1215		—	0	SK	Redo of event	
			1201	BO		49° 59.59	128° 00.38			1205				88 called 084	
			1222	EN		49° 59.71	128° 00.41								
	LB06	ROS	1300	BE	90	49° 56.23	128° 5.40	✓	875		—	0	SK	Called 090	
			1315	BO		49° 56.19	128° 5.49			869					
			1328	EN		49° 56.21	128° 5.47								
	LB07	NET	1431	BO	91	49° 52.753	128° 11.186		2199	250				0731 Local time	
29	LB07	ROS		BE	92	49° 52.	128° 11.	✓	2198		356-378	23	SK		
			1512	BO		49° 52.52	128° 11.25			2002				Called 092, not 0094	
			1609	EN		49° 52.46	128° 11.49								

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AMS

* ON LAST tile, chips stuck on insect - insect was dropped ~ 5m. When I could suspect so brought on board & started looking at it. Retarded termination = no spike showed on Seisav, so proceeded with 0.3.

But added 1 hr. delay to schedule

→ Bottom depth jumped around a lot from 1075-1120. Stopped @ 1080 as bottom depth on Seisav was as 1071.03 altimeter never kicked in.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		MAI		Ship		TULY		Cruise I.D.		2011-16		P14	
Day	Station ID.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
29	LBP8	ROS	1651	BE	93	49° 48.59	128° 16.97	✓	2066		—	Ø	3Hs	All Niskins closed on way up just to close them, no water needed.			
			1724	Bo		49° 48.69	128° 16.89			2005							
			1745	EN		49° 48.67	128° 16.80										
29	LBP8	NET	1805	BE	94	49° 48.62	128° 16.89		2066					MPS - MOUNT NET			
			1945	30		49° 48.87	128° 17.22			2005							
			2022	EN		49° 49.171	128° 17.37										
30	CPE2	NET	0202	Bo	95	50° 43.010	128° 40.008		122	115	—	Ø	K/RA	1702 Local time			
	CPE2	ROS	0223	BE	96	50° 43.10	128° 40.15	✓	122		—	Ø		PAR back on			
			0225	Bo		50° 43.11	128° 40.17			114							
			0227	EN		50° 43.12	128° 40.17							→			
30	LQ03	ROS	0400	BE	97	50° 39.87	129° 01.88	✓	1278		—	Ø	3Hs	PAR OFF			
			0423	Bo		50° 39.92	129° 01.85			1270				1253ish m depth.			
			0442	EN		50° 39.90	129° 01.76										
30	LQ03	NET	0449	BE	98	50° 39.88	129° 01.75		1270	250			3Ms				
			0455	Bo		50° 39.87	129° 01.82							2155 local			
			0500	EN		50° 39.89	129° 01.86										
30	JI22	ROS	0611	BE	99	50° 39.71	129° 17.32	✓	1380		—	Ø	3Hs	Not sure of depth?			
			0634	Bo		50° 39.71	129° 17.34			1495				12 off bottom on AIT.			
			0657	EN		50° 39.72	129° 17.35										

Cast type:

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After airt 0096, new config file. Two parameters on the CTD. No PAR.
config file LaParouse 550 dual Flu.xulcon.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		May		Ship		TULLY		Cruise I.D.		2011-15		P15	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	Initials	Comments			
30	J122	NET	0712	EO	100	50°39.76	129°17.32		1385	250	—	—	CS	BONG01			
30	CS00	NET	1009	EO	101	50°21.76	129°55.11		2176	250	—	—	CS	BONG01			
30	CS00	ECS	1147	BE	102	50°27.62	129°55.05	✓			379-401	23	SR	Bottle 4 (100g) tripped without the 30 sec wait time.			
			1222	EO		50°27.63	129°55.06										
			1319	EO		50°27.71	129°54.83										
30	CS01	NET	1436	BO	103	50°34.98	129°41.34										
30	CS01	ROS	1513	BE	104	50°34.94	129°40.77	✓	2100		—	Ø	3MS	NOTES! →			
			1544	BO		50°35.06	129°41.07			2005				Stop @ 730 ↑ to inspect			
			1625	EN		50°34.96	129°41.10							Back down to 743 then up again			
30	CS02	NET	1739	BO	105	50°41.32	129°27.93		1894	250				Bongo			
30	CS02	ROS	1752	BE	106	50°41.33	129°27.86	✓	1895		402-421	20	3MS	PAR ON			
			1810	BO		50°41.34	129°27.97			1005				Out-of-sequence			
			1846	EN		50°41.41	129°27.74										
30	CS03	ROS	1934	BE	107	50°45.55	129°19.96	✓	240					ChlMax @ 26 m			
			1937	BO		50°45.54	129°19.88			230	—	Ø					
			1942	EN		50°45.51	129°19.91										
30	CS03	NET	1956	EO	108	50°45.51	129°19.88		240	230				Bongo			

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Before cast 104: change the potting mechanism
go back to LaParra 550 May 24th xulcan conf. Jia but
PAC not on cassette, only one fluorometer.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		May - June		Ship		Tully		Cruise I.D.		2011-16		P16	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position - Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
30	CS04	ROS	2045	BE	109	50 49.08	129 13.22	✓	104								
			2047	BO		50 49.07	129 13.18			94	412-431	10	dy				
			2056	EN		50 49.04	129 13.11										
30	CS04	NET	2108	BE	110	50 49.01	129 13.10		105	95	—	—	dy	END OF!			
30	ODAS	ROS	2352	BE	111	50 51.21	129 53.70	✓	2088						PAR OFF		
31			0016	BO		50 51.24	129 53.78			2005	—	dy	sr	Winch needed to slow down			
			0053	EN		50 51.318	129 53.875								due to bad wire wraps		
	ODAS	NET	0108	BO	112	50 51.358	129 54.092		2088	250	—	0	sr	1808 Local			
31	CS3B	ROS	0316	BE	113	51 00.02	129 27.16	✓	220		—	dy	3ms	NOTES!	—		
			0319	BO		51 00.04	129 27.19			210							
			0323	EN		51 00.04	129 27.18										
31	CS3B	NET	0337	BO	114	51 00.21	129 27.07		220						Bongo.		
31	CS05	ROS	0533	BE	115	50 56.12	128 59.80	✓	65		—	dy	3ms	→			
			0535	BO		50 56.15	128 59.76			55							
			0536	EN		50 56.17	128 59.73										
31	CS05	NET	0548		116	50 56.27	128 59.66		65	55			3ms	Bongo			
31	CS1B	ROS	0719	BE	117	50 52.96	1280 39.97	✓	74	65	—	dy	dy				
			0721	BO		50 52.95	1280 39.98										
			0722	BO		50 52.95	1280 39.98										

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The wire had to be allowed down periodically as the wire was crossed over in a few places

After seat 0111: back to LaParouse 550 dual flu. xul con config file:
no PAR sensor, two fluorometers.

TSG start ~~downing~~ CSOS: start file 7 @: 2055 local, 30 MAI 0519
on the way to stop @: 2224 local

So the TSG add 30 sec to data file every 10 sec!

8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2011	Month	MAY	Ship	THU	Cruise I.D.	2011-16	Page	17					
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
31	C216	NET	0131	60	118	50 51.90	128 39.91	✓	71	65	—	—	CAST	BONCO1
31	C506	ROS	0844	BE	119	50 59.99	128 51.96		65		432-440	9	CAST	
			0946	BO		50 59.91	128 51.91			56				
			0854	BA		50 59.91	128 51.81							
31	C506	NET	0901	BO	120	50 59.91	128 51.93		66	56	—	—	CAST	BONCO1
31	C507	ROS	0956	BE	121	51 04.46	128 44.62		65		—	—	CAST	
			0957	BO		51 04.45	128 44.04			55				
			0959	BO		51 04.45	128 44.06							
31	C507	NET	10 06	BO	122	51 04.49	128 44.10				—	—	CAST	BONCO1
31	C508	ROS	1058	BE	123	51 8.39	128 36.01	✓	142		—	—	CAST	BONCO1
			1101	BO		51 8.40	128 35.98			135				
			1104	BO		51 8.42	128 35.96							
31	C508	NET	1113	BO	124	51 8.434	128 35.874		143	133	—	—		BONCO1
31	C509	NET	1211	BO	125	51 12.363	128 28.083				—	—		OS11 Local time
	C509	ROS	1222	BE	126	51 12.37	128 28.27	✓	195		441-454	14		
			1226	BO		51 12.36	128 28.27			188				
			1240	EN		51 12.39	128 28.18							

Cast type:

BOT = otter cast

CTD = CTD

MOR = mooring

ROS = Rosette

NET = net haul

DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast

BO = bottom time of cast

EN = end of cast time

DE = deployment time

MR = messenger release time

RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2011		Month MAY		Ship Tully		Cruise I.D. 2011-16		p/8						
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
31	C510	ROS	1328	BE	127	51° 16.53	128° 20.04	✓	80	73	—	0	SR	Notes! →
			1330	BO		51° 16.55	128° 20.06							
			1331	EN		51° 16.58	128° 20.04							
31	M6	ROS	1632	BE	128	51° 42.58	128° 07.10	✓	238		—	0	3M5	PAE on
			1637	BO		51° 42.57	128° 07.11			230				
			1643	EN		51° 42.55	128° 07.06							
31	M5	ROS	1706	BC	129	51° 43.42	128° 03.58	✓	332		—	0	3M5	
			1713	BO		51° 43.42	128° 03.61			330				
			1719	EN		51° 43.43	128° 03.63							
31	M4	ROS	1742	BE	130.	51° 44.67	127° 59.95	✓	429		—	0	3M5	NOTE! →
			1751	BO		51° 44.67	127° 59.99			425				
			1758	EN		51° 44.67	128° 00.01							
31	M3	ROS	1828	BE	131	51° 46.24	127° 54.57	✓	322		—	0	3M5	NOTE! →
			1833	BO		51° 46.23	127° 54.61			312				
			1837	EN		51° 46.24	127° 54.63							
31	M2	ROS	1858	BE	132	51° 46.47	127° 53.33	✓	2105		—	0	SR	
			1903	BO		51° 46.47	127° 53.34			205				
			1907	EN		51° 46.47	127° 53.35							

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

ROS = Rosette
NET = net haul
DRF = drifter

USW = sea water loop

Time Code

BE = beginning time of cast
BO = bottom time of cast
EN = end of cast time

DE = deployment time
MR = messenger release time
RE = recover mooring time

after CS10 new config file! "SSD May 31st 2011 PAR and Fluorometer.xmlcon"
PAR on, only new plus.

For next 130: copy config file SSD May 31st 2011 PAR and Fluorometer.xmlcon
and call it copy.xmlcon

Still cannot convert the file using copy.xmlcon. Switch back
for SSD May 31st 2011 PAR and Fluorometer.xmlcon for 131

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		May		Ship		2011		Cruise I.D.		2011-16		P19	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
31	UBC7	ROS	2055	BE	133	51 29.98	127 48.99	✓	160				WJ	LaPSO May 24. xwleon			
			2058	BO		51 29.96	127 48.97			150	455-457	3					
			2104	EN		51 29.92	127 48.95										
31	UBC7	Net	2114	EO	134	51 29.87	127 49.92		160	150				Bongo			
31	Ri1	ROS	2219	BE	135	51 26.34	127 38.23	✓	328				WJ				
			2224	BO		51 26.30	127 38.30			318	458-460	3					
			2231	EN		51 26.23	127 38.43										
31	Ri1	NET	2243	BO	136	51 26.13	127 38.61		328	318				Bongo (Too shallow)			
31	Ri2	NET		BO	137												
1	Ri2	ROS	0005	BE	138	51 31.21	127 33.62	✓	330		461-463	3					
			0010	BO		51 31.21	127 33.61			324							
			0018	EN		51 31.19	127 33.58										
	Ri3	NET	0101	BO	139	51 35.82	127 31.93							Bongo 1			
	Ri3	ROS	0113	BE	140	51 35.75	127 32.08	✓	324		464-466	3					
			0118	BO		51 35.76	127 32.08			318							
			0126	EN		51 35.71	127 32.05										
	Ri4	NET	0211	BO	141	51 38.82	127 26.94		299								

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year		2011		Month		June		Ship		Tide		Cruise I.D.		2011-16		p20	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
1	Ri 4	ROS	0223	RE	142	51° 38.78	127° 26.98	✓	300		467-469	3	SM				
			0227	BO		51° 38.78	127° 26.96			293							
			0234	EN		51° 38.76	127° 26.93										
1	Ri 5	NET	0318	BO	143	51° 40 85	127° 20 05		195	185							
1	Ri 5	ROS	0329	BE	144	51° 40 88	127° 20 20	✓	193		470-472	3	SMs	Closed NISW 4,5,6			
			0333	BO		51° 40 90	127° 20 23			180							
			0338	EN		51° 40 91	127° 20 28										
1	UBC 6	NET	0402	BO	145	51° 40.49	127° 16.98		143	133			SMs				
1	UBC 6	ROS	0411	BE	146	51° 40 55	127° 16 98	✓	145		473-475	3	SMs	Close all other NISW @ surface			
			0415	BO		51° 40 57	127° 17.00										
			0420	EN		51° 40 59	127° 17 00										
	CPE 1	NET	1320	BO	147	51° 0.07	127° 50.33							0620 Local time			
	CPE 1	RES	1334	BE	148	51° 0.14	127° 50.43		138								
			1336	BO		51° 0.11	127° 50.46			131							
			1339	FN		51° 0.09	127° 50.50										
	CPE 2	NET	1320	BO	149	49° 28.04	124° 29.97		350	100				Local time 0620			
	CPE 2	NET	1338	BO	150	49° 28.08	124° 30.10		350	340				" " 0638			

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