

DAILY LOG BOOK

MISSION
NUMBER

2003 - 04

DATE:

From: FEB 12 to: MAR 4

VESSEL:

W. E. RICKER

PROJECT:

WELCH - HI SEAS SALMON

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

Captain: S. A. WEBB First Officer: ROGER WALKER
Second Officer: WILEY CONNOR Third Officer: _____

Mission Participants / Agencies: PBS / 105

Scientific Personnel:

Scientific Personnel:

Name	Party Chief:	Watch	Cabin	Name
PAUL WILSON	TYLER	ZULSWSKI		

[illegible]

Second leg of Mission:

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

[illegible]

Data logging computer:

Data acquisition program:

CTD deck unit make: SEB model: 11+ serial number: 11A18377-0471

Primary CTD

Make: SCARAB model: 911 serial number: 0506

Primary temperature serial number: 2668 model: 0000
serial number: 0000

Primary conductivity serial number: 1766

Secondary temperature serial number: 7374

Secondary conductivity serial number: 2178

Transmissometer: 2120
Model: Model:

Fluorometer: Model _____
Model: _____
Cable gain: _____

Oxygen sensor: _____ Cable gain: _____
 Model: _____

PAR sensor: _____ Model: _____

Other sensors: _____
Model: _____

Other sensors:

Other sensors:

Other sensors:

Secondary CTD

Make: FABIA model: 25 serial number: 2524247-0774

Primary temperature serial number: 034084

Primary conductivity serial number: 042754

Secondary temperature serial number: _____

Secondary conductivity serial number: _____

Transmissometer: _____ Model: _____

Fluorometer: Model _____
Cable gain: _____
modul. _____

Oxygen sensor: _____
Caotic galli. _____
Model: _____

PAR sensor: _____
Model: _____
Model: _____

Other sensors: PRESSURE 053445 model:

Other sensors:

Other sensors:

Other sensors: _____

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

FOR PUMPS

- RT CLICK SBE ICON

- PROPERTIES

- TARGET - AFTER \SEASERVE.EXE"

POT IN SPACE FORWARD SLASH /

PC

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month FEBRUARY					Year 2003			Ship WE RICKER				Cruise ID 2003-04			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
14	IV1 01	2142	CTD	BE	001	48 50 23	125 09 72		78.1		1			BOT @ 10m FOR SAL/CHL/NUTS	
				BO										BAD CAST	
				EN										CTD HOOPED	
		2156	NET	BE	002	48 50 11	125 09 85							BONGO	
			TRAWL	BE	003	48 50 50	125 08 55								
14	IV1 02	2320	NET	BE	004	48 53 43	125 04 842		147		/			BONGO (CTD NOT WORKING)	
14	IV1 03		TRAWL	BE	005	48 55 10	125 02 56							NO CTD	
15	fj	0058	NET	BE	006	48 57 64	125 00 029	166	150					BONGO	
		0054	BOT	BE	007	48 57 62	125 00 063				1			BOT TO 10m FOR SAL/CHL/NUTS	
15	IV1 04		TRAWL	BE	008	48 54 49	125 12 17								
		0315	BOT	BE	009	48 52 24	125 15 15							BOT TO 10m FOR SAL/CHL/NUTS	
		0306	NET	BE	010	48 52 24	125 15 17	85m						BONGO	
15	EP01	1505	BOT	BE	011	49 20 33	126 32 99	51			1			BOT @ 10m FOR SAL/CHL/NUTS	
		1511	NET	BE	012	49 20 39	126 33 02	40						BONGO	
			TRAWL	BE	013	49 19 48	126 34 42								
15	EP02	1653	BOT	BE	014	49 18 95	126 38 01	96m			1			BOT @ 10m FOR SAL/CHL/NUTS	
		1700	HUGH NET	BE	015	49 19 00	126 38 12		85m					MOIRAS ON SHELF SAMPLE	
		1722	NET	BE	016	49 19 06	126 32 28		85m					BONGO	

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 of cast time

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

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

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Additional comments

FEB 14/03/0650 CDAQ ON FILE .001 (THERMO SALINOGRAPH)
1450UTC

— 001 — OFFSET OFF BY 107m — RESET TO 0m @ SURFACE — TOOK CTD TO 20m ON WINCH COUNTER IN 78m OF WATER
BUT CTD SHOWED 243m — COMPLETELY WRONG

FEB 15/03/0645 CDAQ ON FILE .002
1445UTC

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month FEBRUARY					Year 2003			Ship W E. RICKER				Cruise ID 2003-04		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
15	EP02		TRAWL	BE	017	49 18 34	126 39 29							
15	EP03	1844	BOT	BE	018	49 16 24	126 42 69	120			1			BOT @ 10m FOR SAL/CHL/NUIS
			NET	BE	019	49 16 22	126 42 61		105					BONGO
			TRAWL	BE	020	49 16 02	126 43 48							
15	EP04	2050	BOT	BE	021	49 13 74	126 42 56	115			1			BOT @ 10m FOR SAL/CHL/NUIS
		2057	NET	BE	022	49 13 66	126 42 50							BONGO
			TRAWL	BE	023	49 12 04	126 43 41							
15	EP05	2253	BOT	BE	024	49 12 06	126 49 54	142			1			BOT @ 10m FOR SAL/CHL/NUIS
		2258	NET	BE	025	49 12 05	126 49 49		130					BONGO
			TRAWL	BE	026	49 11 23	126 51 11							
16	EP06	0025	BOT	BE	027	49 09 63	126 53 46	182			1			BOT @ 10m FOR SAL/CHL/NUIS
		0031	NET	BE	028	49 09 59	126 53 51		150					BONGO
			TRAWL	BE	029	49 09 13	126 54 12							

Cast type: USW = sea water loop • bottle firing method: • Time Code
 BOT = bottle cast, no CTD MOR = mooring • US = up / stop • BE = beginning time of cast
 CTD = CTD without Rosette NET = net haul • UN = up / no stop • BO = bottom time of cast
 ROS = Rosette plus CTD DRF = drifter • DN = down / no stop • EN = end of cast time
 DE = deployment time
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						Latitude	Longitude							
16	EP 12	1505	BOT	BC	030	48 29 61	128 11 58	>1400			1			BOT @ 10m FOR SAL/CHL/NUTS
		1513	NET	BC	031	48 29 64	128 11 48		150					BONGO
			TRAWL	BC	032	48 30 54	128 09 35							
16	EP 11	1802	BOT	BC	033	48 43 92	127 50 25	>1500			1			BOT @ 10m FOR SAL/CHL/NUTS
		1812	HUGH'S NET	BC	034	48 43 92	127 50 03		250					BONGO FOR MOIRA/DNA
			NET	BC	035				150					BONGO
			TRAWL	BC	036	48 44 36	127 47 49							
16	EP 10	2026	BOT	BC	037	48 51 62	127 40 10	>1000			1			BOT @ 10m FOR SAL/CHL/NUTS
		2031	NET	BC	038	48 51 61	127 39 99		150					BONGO
			TRAWL	BC	039	48 51 59	127 40 33							
16	EP 09	2204	BOT	BC	040	48 53 84	127 26 02	>1000			1			BOT @ 10 FOR SAL/CHL/NUTS
		2210	NET	BC	041	48 53 80	127 25 94		150					BONGO
			TRAWL	BC	042	48 54 42	127 23 49							
17	EP 08	0003	BOT	BC	043	49 01 43	127 10 54	>1000			1			BOT @ 10m FOR SAL/CHL/NUTS
		0009	NET	BC	044	49 01 38	127 10 46		150					BONGO
			TRAWL	BC	045	49 01 58	127 08 49							

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Additional comments

FEB 16 / 03 / 0655 CDAQ TO FILE .003.BIN
1455UTC

DAILY LOG

Ocean Sciences and Productivity Division

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Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
17	EP 07	0156	BOT	BE	046	49 07 66	126 59 51	526			1			BOT @ 10m For SAL/CHL/NUTS
		0202	NCT	BE	047	49 07 70	126 59 53		150					BONGO
			TRAWL	BE	048	49 08 21	126 58 21							
17	1015	2115	BOT CTD	BE	049	49 53 03	126 47 33				1			BOT @ 10m For SAL/CHL/NUTS
		2127	NCT	BE	050	49 53 36	126 47 29							BONGO
			TRAWL	BE	051	49 53 31	126 48 14							CAST 00
17	1016	2258	NCT	BE	052	49 53 04	126 55 35							
			TRAWL	BE	053	49 52 24	126 55 08							
18	1017	0131	CTD	BE	054	49 46 40	127 06 30	45	35		1			BOT @ 10m For SAL/CHL/NUTS
		0137	NCT	BE	055	49 46 42	127 06 35		35					BONGO
			TRAWL	BE	056	49 46 29	127 07 56							CAST 00
18	10101	1521	CTD	BE	057	49 54 17	127 34 24	62	50		1			BOT @ 10m For SAL/CHL/NUTS
		1533	NCT	BE	058	49 54 31	127 34 32							BONGO
			TRAWL	BE	059	49 54 50	127 33 41							CAST 01

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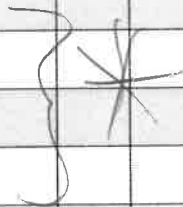
WED - AFT.

Additional comments

FEB 17/03/0700 CADG to FILE .004.BIN

1500 UTC

CAST 00 = IVI 07 HEADER CALLED IT VI 01
CAST 01 = VI 01 " " " VI 02
CAST 02 = VI 02 " " " IVI 07



DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
18	VI 02	1653	CTD	BE	060	49 55 15	127 26 14	64	50		1			BOT@ 10m FOR SAL/CAL/MUTS	
		1702	NET	BE	061	49 55 08	127 26 16							BONGO	
			TRAWL	BE	062	49 55 25	127 25 25							CAST 02	
18	VI 08	1823	CTD	BE	063	49 56 05	127 18 03	65	50		1			BOT@ 10m FOR SAL/CAL/MUTS	
			NET	BE	064	49 56 00	127 18 28	67	50					BONGO	
			TRAWL	BE	065	49 56 27	127 18 04							CAST 03	
18	VI 09	2008	CTD	BE	066	49 58 28	127 15 52	131	50		1			BOT@ 10 FOR SAL/CAL/MUTS	
		2014	NET	BE	067	49 58 25	127 15 59		120					BONGO	
			TRAWL	BE	068	49 58 32	127 15 20							CAST 04	
18	VI 10	2120	CTD	BE	069	50 00 25	127 10 43	150	50		1			BOT@ 10m FOR SAL/CAL/MUTS	
		2129	NET	BE	070	50 00 23	127 10 47		140					BONGO	
			TRAWL	BE	071	50 00 32	127 15 20							CAST 05	
18	VI 11	2253	CTD	BE	072	50 03 03	127 15 07	225	50		1			BOT@ 10m FOR SAL/CAL/MUTS	
		2303	NET	BE	073	50 03 06	127 15 04		150					BONGO	
			TRAWL	BE	074	50 04 02	127 15 13							CAST 06	

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Additional comments

FEB 18/03/0921 LOCAL
1721 UCT CDAQ TO FILE 005 BIN

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
19	1V1 12	0026	CTD	BE	075	50 05 19	127 09 25	161	50		1			BOT @ 10m FOR SAL/CHL/NUIS
		0032	NET	BE	076	50 05 19	127 09 27		150					BONGO
			TRAWL	BE	077	50 04 58	127 10 17							CAST 07
19	1V1 13	1502	CTD	BE	078	50 31 23	127 40 24	149	50		1			BOT @ 10m FOR SAL/CHL/NUIS
		1513	NET	BE	079	50 31 14	127 40 33		135					BONGO
		1538	TRAWL	BE	080	50 30 50	127 41 22							CAST 08
19	1V1 14	1620	CTD	BE	081	50 30 19	127 43 07	61	50		1			BOT @ 10m FOR SAL/CHL/NUIS
		1630	NET	BE	082	50 30 21	127 43 12	48	35					BONGO
		1648	TRAWL	BE	083	50 30 03	127 44 32							CAST 09
19	1V1 15	1724	CTD	BE	084	50 28 46	127 47 57	130	50		1			BOT @ 10m FOR SAL/CHL/NUIS
		1735	NET	BE	085	50 28 47	127 47 54		120					BONGO
		1759	TRAWL	BE	086	50 28 41	127 48 31							CAST 10
19	1V1 16	1844	CTD	BE	087	50 28 13	127 53 59	204	50		1			BOT @ 10m FOR SAL/CHL/NUIS
		1852	NET	BE	088	50 28 17	127 53 39							BONGO
		2012	TRAWL	BE	089	50 28 16	127 54 06							CAST 11

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Additional comments

FEB 14/03/0650 CDAR TO FILE 006.Bin

1450 UTC

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
19	VI 03	2111	CTD	BE	090	50 24 48	128 00 11	160	50		1			BOT @ 10m FOR SAL/CHL/NUIS	
		2130	NET	BE	091	50 24 47	128 00 09		150					BONGO	
		2157	TRAWL	BE	092	50 24 19	128 01 51							CAST 12	
19	VI 04	2251	CTD	BE	093	50 23 25	128 09 36	108	50		1			BOT @ 10m FOR SAL/CHL/NUIS	
		2302	NET	BE	094	50 23 23	128 09 43		90					BONGO	
		2322	TRAWL	BE	095	50 23 31	128 10 48							CAST 13	
20	VI 05	0617	CTD	BE	096	50 23 21	128 15 44	164	50		1			BOT @ 10m FOR SAL/CHL/NUIS	
		0021	NET	BE	097	50 23 20	128 15 37		150					BONGO	
		0050	TRAWL	BE	098	50 23 23	128 16 44							CAST 14	
20	T1 01	1725	CTD	BE	099	51 15 05	128 13 31	40	30		1			BOT @ 10m FOR SAL/CHL/NUIS	
	(T 01)	1732	NET	BE	100	51 15 13	128 13 29		25					BONGO	
		1754	TRAWL	BE	101	51 14 47	128 14 30							CAST 15	
20	T 02	1910	CTD	BE	102	51 12 26	128 20 40	141	50		1			BOT @ 10m FOR SAL/CHL/NUIS	
		1915	NET	BE	103	51 12 27	128 20 42		130					BONGO	
		1941	TRAWL	BE	104	51 12 10	128 21 15							CAST 16	

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Additional comments

FEB 20/03/0653

CDAQ TO FILE 007.BIN

1453 UTC

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
20	T 03	2101	CTD	BE	105	51 07 33	128 29 16	157	140		1			BOT @ 10m FOR SAL/CAL/MUTS
		2110	NET	BE	106	51 07 30	128 29 41		150					BONGO
		2142	TRAWL	BE	107	51 07 05	128 29 35							CAST # 17
20	T 04	2332	CTD	BE	108	51 00 59	128 44 28	70	50		1			BOT @ 10m FOR SAL/CAL/MUTS
		2336	NET	BE	109	51 00 54	128 44 19		55					BONGO
21		0000	TRAWL	BE	110	51 00 33	128 45 25							CAST # 18
21	T 05	0129	CTD	BE	111	50 55 05	129 57 35	66	50		1			BOT @ 10m FOR SAL/CAL/MUTS
		0132	NET	BE	112	50 54 07	128 57 36		50					BONGO
		0204	TRAWL	BE	113	50 54 35	128 57 48							CAST # 19
21	T 12	1504	CTD	BE	114	50 20 23	130 13 58	1000+	150		1			BOT @ 10m - SAL/CAL/MUTS
		1516	NET	BE	115	50 20 04	130 12 44		150					BONGO
		1546	TRAWL	BE	116	50 20 50	130 13 14							CAST # 20
21	T 11	1706	CTD	BE	117	50 26 08	130 01 47	1000+	150		1			BOT @ 10m - SAL/CAL/MUTS
		1717	NET/HUGH	BE	118	50 25 59	130 01 31		250					BONGO - DNA - MORI RA
		1738	NET	BE	119				150					BONGO
		1804	TRAWL	BE	120	50 26 23	130 00 07							TRAWL CAST # 21

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						Latitude	Longitude								
21	T 10	1910	CTD	BE	121	50 30 18	129 51 37	1000+	150		1			BOT @ 10m - SAL/CHL/NUTS	
		1921	NET	BE	122	50 30 19	129 51 44		150					BONGO	
		1947	TRAWL	BE	123	50 30 42	129 50 30							CAST # 22	
								16							
21	T 09	2055	CTD	BE	124	50 35 06	129 43 29	1000+	150		1			BOT @ 10m - SAL/CHL/NUTS	
		2103	NET	BE	125	50 35 05	129 43 35		150					BONGO	
		2131	TRAWL	BE	126	50 35 37	129 42 44							CAST # 23	
21	T 08	2239	CTD	BE	127	50 39 32	129 31 49	1000+	150		1			BOT @ 10m - SAL/CHL/NUTS	
		2250	NET	BE	128	50 39 31	129 31 58		150					BONGO	
		2317	TRAWL	BE	129	50 40 08	129 30 44							CAST # 24	
22	T 07	0024	CTD	BE	130	50 44 20	129 22 03	800	150		1			BOT @ 10m - SAL/CHL/NUTS	
		0045	NET	BE	131	50 44 11	129 22 09		150					BONGO	
		0107	TRAWL	BE	132	50 44 41	129 20 33							CAST # 25	
			CTD	BE	133									BOT @ 10m - SAL/CHL/NUTS	
			NET	BE	134									BONGO	
			NET	BE	135									BONGO	
			TRAWL	BE	136									TRAWL	

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						Latitude	Longitude							
22	T06	0216	TRAWL	BE	133	50 49 01	129 13 11							Trawl
		0319	CTD	BE	134	50 49 20	129 11 44	87	75		1			BOT @ 10m - SAL/CHL/MUTS CAST # 26
		0250	NET (HULL)	BE	135	50 49 39	129 10 55	84	70					BONGO - DNA - MORIA
		0308	NET	BE	136	50 49 39	129 10 55	84	70					BONGO
22	HS 01	1508	CTD	BE	137	52 29 27	129 47 45	190	150		1			BOT @ 10m - SAL/CHL/MUTS
		1522	NET	BE	138	52 29 22	129 47 54		150					BONGO
		1554	TRAWL	BE	139	52 29 54	129 49 41							CAST # 27
22	HS 02	1653	CTD	BE	140	52 33 27	129 57 10	251	150		1			BOT @ 10m - SAL/CHL/MUTS
	* OVER	1707	NET	BE	141	52 33 30	129 57 20		150					BONGO
		1734	TRAWL	BE	142	52 34 06	129 58 53							CAST # 28 BAD
22	HS 03	1835	CTD	BE	143	52 37 13	130 07 57	244	150		1			BOT @ 10m - SAL/CHL/MUTS
		1848	NET	BE	144	52 37 19	130 08 08		150					BONGO
		1911	TRAWL	BE	145	52 37 47	130 09 32							CAST # 29 BAD
22	HS 04	2020	CTD	BE	146	52 40 44	130 18 30	223	200					BOT @ 10m - SAL/CHL/MUTS
		2034	NET	BE	147	52 40 47	130 18 54		150					BONGO
		2059	TRAWL	BE	148	52 41 13	130 20 16							CAST # 30 BAD

Cast type:
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USW = sea water loop
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• bottle firing method:
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• UN = up / no stop
• DN = down / no stop

• Time Code
• BE = beginning time of cast
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RE = recover mooring time

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

Additional comments

FEB 22 / 03 0755
1555 UTC

CDAR TO FILE 008.BIN

HS-02 BAD LOOKING CAST VMAIN AT 10.4 (SHOULD CHANGE @ 10.2) ∴ CHANGED BATTERIES - VMAIN @ 13.5 NOW

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
22	HS 05	2154	CTD		149	52 43 47	130 27 43	138	125		1			BOT @ 10m - SAL/CHL/MUT
		2203	NET		150	52 43 55	130 27 54		120					BONGO
		2224	TRAWL		151	52 44 21	130 29 04							CAST # 31 BAD
22	HS 06	2316	CTD		152	52 46 41	130 35 52	124	115		1			BOT @ 10m - SAL/CHL/MUTS
		2327	NET		153	52 46 49	130 36 03		110					BONGO
		2346	TRAWL		154	52 47 11	130 37 20							CAST # 32 BAD
23	HS 07	0130	CTD		155	52 50 20	130 37 09	103	90		1			BOT @ 10m - SAL/CHL/MUTS
		0141	NET		156	52 50 22	130 37 15		90					BONGO
		0200	TRAWL		157	52 50 56	130 36 53							CAST # 33
23	DE 01	1509	CTD		158	54 10 35	131 47 18	57	45		1			BOT @ 10m - SAL/CHL/MUTS
		1519	NET		159	54 10 37	131 47 27		45					BONGO
		1533	TRAWL		160	54 10 35	131 49 26							CAST # 34
23	DE 02	1638	CTD		161	54 09 59	131 59 25	70	60		1			BOT @ 10m - SAL/CHL/MUTS
		1644	NET		162	54 10 03	131 59 30		60					BONGO
		1705	TRAWL		163	54 10 34	132 01 42							CAST # 35

Cast type:

BOT = bottle cast, no CTD
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• bottle firing method:

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

22 March 2002
Daily_log_book.doc

Additional comments

Feb 23/03 0658

CDAQ TO FILE 009.BIN

1458 UTC

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
23	DE 03	1802	CTD	BE	164	54 16 14	132 09 00	53	40		1			BOT 10m - SAL/CHL/NUTS
		1812	NET	BE	165	54 16 26	132 09 19		45					BONGO
		1830	TRAWL	BE	166	54 16 03	132 10 24							CAST # 37
23	DE 04	1913	CTD	BE	167	54 08 31	132 16 08	60	50		1			BOT 10m - SAL/CHL/NUTS (*)
		1920	NET	BE	168	54 08 36	132 16 13		50					BONGO
		2016	TRAWL	BE	169	54 08 47	132 18 28							CAST # 38
23	DE 05	2108	CTD	BE	170	54 09 18	132 29 55	50	40		1			BOT 10m - SAL/NUTS
		2114	NET	BE	171	54 11 31	132 28 35		40					BONGO
		2133	TRAWL	BE	172	54 09 57	132 31 09							CAST # 39
23	DE 06	2218	CTD	BE	173	54 12 41	132 36 16	130	120		1			BOT 10m - SAL /NUTS
		2234	NET	BE	174	54 12 18	132 31 59		115					BONGO
		2250	TRAWL	BE	175	54 13 34	132 36 20							CAST # 40
23	DE 07	2337	CTD	BE	176	54 16 51	132 40 16	240	150		1			BOT 10m - SAL/NUTS
		2349	NET	BE	177	54 16 51	132 40 00		150					BONGO
24		0011	TRAWL	BE	178	54 16 04	132 41 25							CAST # 41

Cast type:
BOT = bottle cast, no CTD
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• bottle firing method:
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Transmissometer to be cleaned for each cast, do not use Ammonia products

22 March 2002
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Additional comments

* NOTE CAST # 36 = IN AIR MISTAKE BY CREWMEMBER - DISREGARD

(*) OUT OF CHL FILTERS AFTER THIS CAST - MEL SENT ONLY 110 FILTERS (NOT 200)

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID		
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments
						Latitude	Longitude							
24	FI 01	1502	CTD	BE	179	54° 48.26	133° 03.35	157	145		1			BOT@ 10m - SAL/HUTS
		1534	NET	BE	180	54° 48.37	133° 03.46		145					BONGO
		1542	TRAWL	BE	181	54° 48.26	133° 05.51							CAST # 42
24	FI 02	1637	CTD	BE	182	54° 47.30	133° 10.44	207	150		1			BOT@ 10m - SAL/HUTS
		1650	NET(H)	BE	183	54° 47.29	133° 10.40		150					BONGO - DNA - MOIRA
		1704	NET	BE	184	54° 47.30	133° 10.39							BONGO
		1729	TRAWL	BE	185	54° 47.17	133° 12.16							CAST # 43
24	FI 03	1824	CTD	BE	186	54° 46.46	133° 17.55	149	140		1			BOT@ 10m - SAL/HUTS
		1837	NET	BE	187	54° 46.46	133° 17.38		130					BONGO
		1900	TRAWL	BE	188	54° 46.35	133° 19.09							CAST # 44
24	FI 04	2011	CTD	BE	189	54° 45.29	133° 28.40	123	110		1			BOT@ 10m - SAL/HUTS
		2019	NET	BE	190	54° 45.34	133° 28.40		110					BONGO
		2042	TRAWL	BE	191	54° 45.33	133° 27.09							CAST # 45
24	FI 05	2220	CTD	BE	192	54° 44.42	133° 34.52	188	150					BOT@ 10m - SAL/HUTS
	*	2231	NET	BE	193	54° 44.34	133° 34.46		150					BONGO
		2258	TRAWL	BE	194	54° 44.37	133° 36.10							CAST # 46

Cast type:
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• bottle firing method:
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• Time Code
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MR = messenger release time
RE = recover mooring time

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

Additional comments

FEB 24/03 0657 CDAQ TO FILE 010.BIN
1457 vtc

* F15 HANGA F106200304
F16 " F105200304

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
25	F1 06	0014	CTD	BE	195	54°43.39	133°42.41	212	150		1			BOT @ 10m - SAL / NUTS	
	*	0023	NET	BE	196	54°43.42	133°42.37		150					BONGO	
		0049	TRAWL	BE	197	54°43.47	133°44.44							CAST # 47	
	F1 07	0154	CTD	BE	198	54°42.38	133°50.15	222	150		1			BOT @ 10m - SAL / NUTS	
		0204	NET	BE	199	54°42.54	133°49.57		150					BONGO	
		0228	TRAWL	BE	200	54°43.9	133°51.11							CAST # 48	
25	F1 13	1508	CTD	BE	201	54°34.52	135°07.22	1000+	150		1			BOT @ 10m - SAL / NUTS	
		1518	NET	BE	202	54°34.54	135°07.12		150					BONGO	
		1543	TRAWL	BE	203	54°35.03	135°03.27							CAST # 49	
25	F1 12	1649	CTD	BE	204	54°36.36	134°51.59	1000+	200		1			BOT @ 10m - SAL / NUTS	
		1701	NET (H)	BE	205	54°36.35	134°51.55		250					BONGO - ANA - MOIRA	
		1721	NET	BE	206	54°36.34	136°51.55		150					BONGO	
		1745	TRAWL	BE	207	54°36.59	134°50.23							CAST # 50	
25	F1 11	1846	CTD	BE	208	54°38.05	134°37.53	1000+	150		1			BOT @ 10m - SAL / NUTS	
		1859	NET	BE	209	54°37.57	134°37.39		150					BONGO	
		1924	TRAWL	BE	210	54°38.08	134°35.29				1			CAST # 51	

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

22 March 2002
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Additional comments

IN	COMPUTER FILES	F1 06	HAMCA	F105200304
		F1 05	"	F106200304

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month					Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
25	FI 10	2030	CTD	BE	211	54°39.30	134°21.56	1000 f	150		1			BOT @ 10m - SAL/NUTS	
		2040	NET	BG	212	54°39.25	134°21.58		150					BONGO	
		2105	TRAWL	BE	213	54°39.34	134°20.28							CAST # 52	
25	FI 09	2207	CTD	BE	214	54°40.44	134°09.59	980	150		1			BOT @ 10m - SAL/NUTS	
		2217	NET	BE	215	54°40.54	134°10.03		150					BONGO	
		2241	TRAWL	BE	216	54°41.24	134°08.51							CAST # 53	
25	FI 08	2324	CTD	BE	217	54°41.38	134°02.20	212	150		1			BOT @ 10m - SAL/NUTS	
		2335	NET	BE	218	54°41.55	134°02.23		150					↑ CAST # 54	
			TRAWL	BE	219	54 42 15	134 01 02							BONGO	
26	ISEA 01	1501	CTD	BE	220	56 16 .040	134 30 302	668	150		1			BOT @ 10m - SAL/NUTS	
		1514	NET	BE	221	56 16 066	134 30 445		150					BONGO	
		1538	TRAWL	BE	222	56 16 912								CAST # 55	
26	ISEA 02	1649	CTD	BE	223	56 24 771	134 30 035	710	150		1			BOT @ 10m - SAL/NUTS	
		1700	NET	BE	224	56 24 85	134 30 205							BONGO	
		1723	TRAWL	BE	225	56 26 500	134 30 691							CAST # 56	

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

22 March 2002
Daily_log_book.doc

Additional comments

FEB 26/03 1500 JTC CDAQ to FILE 012.BIN
0700 L6C

Month					Year			Ship				Cruise ID			
Day	Station Name	Time (UTC)	Cast type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keeper	Trans. cleaned	Comments	
						Latitude	Longitude								
26	15EA 03	1824	CTD	BE	226	56 32 756	134 30 512	652	150		1			Bottle 10 - SAL/NUTS	
	*	1837	NET	BE	227	56 32 925	134 30 634		150					BONGO	
		1858	TRAWL	BE	228	56 33 990	134 30 707							CAST # 57	
26	15EA 04	2017	CTD	BE	229	56 40 931	134 30 632	700	150		1			Bottle 10 - SAL/NUTS	
		2027	NET	BE	230	56 40 827	134 ? ?		150					BONGO	
		2051	TRAWL	BE	231	56 42 398	134 31 457							CAST # 58	
26	15EA 05		CTD	BE	232						1			Bottle 10 - SAL/NUTS	
			NET	BE	233									BONGO	
			TRAWL	BE	234									CAST # 59	

Additional comments

* FILE NAMGD ISCA03200303 - SHOULD BE ISCA03200304
=

FEB 27 0800? CDAQ TO FILE 013.BIN
1600 UTC

FEB 28 1200? CDAQ TO FILE 014.BIN
1800 UTC

~~DOB~~ MAR 1/03 0800 CDAQ TO FILE 015.BIN
1600 UTC

MAR 2/03 0914 CDAQ TO FILE 016.BIN
1714 UTC