TSK 7182

Macfarlen project: WCVI

- trawls for bottom fish not recorded here.

1500m

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page 1 of _____

Month July **Year** 2012 **Ship** WE Ricker **Cruise ID** 2012-51

DATE PDT 18

Day UTC	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information Latitude	Positional Information Longitude	Bottom Depth m	Max Depth m	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments (TRAWL GRID)
19	1	0231	BE	CTD		0001	50 41.234	128 29.602	90	86	001 salinity	1	LF/SR1 JH/JB	✓	Grid 1890 of Trawl PDT = 1931 hrs.
		0233	BO				50 41.244	128 29.692							(Night 1) SST ≈ 10.6 C
		0235	EN				50 41.248	128 29.713							
															20178-20808
19	1	0245	BE	NET		0002	50 41.248	128 29.713	95	87	(Frozen / Formalin)		JB, SR VH		PDT=1945 hrs Bongo UNH
19	2	0840	BEG	CTD		0003	50° 24.751	128° 37.943	1500	500		0	LF SR	✓	GRID 1986, PDT=0140 SST ~ 12°C
		0852	BOT				50° 24.617	128° 38.020							Near set-4
		0859	END												
19	2	0903	BE	NET		0004	50° 24.526	128° 38.093	1500+	150	(Frozen / Formalin)				BONGO SR 20808-21845
19	3	1144	BE	CTD		0005	50°21.491	128° 2 3 9	251	245	002 sal. log	1	LF		GRID (near set 5) SSF 11.6°C with standard C ~100m descent
		1149	BO				50°21.438	128° 2 2							
		1154	EN				50°21.409	128° 23.519							
19	3	1158	BE	NET		0006	50°21.409	128° 23.519		150	(Frozen / Formalin)		SR		21845-23318

Cast Type:
BOT = Bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
SET = Fish Set
USW = Sea Water Loop
MOR = Mooring
NET = Plankton 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 before each cast, do not use Ammonia products

Notes: _____

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- no flow, get off labels
- some have no depth for bongos

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page 2 of _____

Month | **Year** | **Ship** | **Cruise ID**

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
20	4	02:45	BE	CTD		0007	50 14.526	127 51.774	73						23318-23772
		2:47	BO	↓			50 14.526	127 51.774	73	70	003	1	JB, SR	✓	
		02:51	EN	↓			50 14.526	127 51.780							
20	4	0305	BE	NET		0015	50 14.526	127 51.70	75	70					
20	5	0719	BE	CTD		0009	50 2.166	128 0.648	1100	500			SR	/	
		0727	BO				50 2.260	128 0.701							
		0736	EN				50 2.270	128 0.773							
20	5	0751	BO	NET		0010	50 2.270	128 0.773	1100	150					23772-24732
															Bongo
															BY BG
20	6	12:07	BE	CTD		0011	50 5.584	127 59.566	150	145	4	1		✓	
		12:10	BO				50 5.629	127 59.594							
		12:14	EN				50 5.653	127 59.632							
20	6	12:22	BO	NET		0012	50 5.653	127 59.632	150	140					24732-25120
															SR26

Cast Type:
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Notes: _____

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

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page 3 of ____

Month				Year			Ship					Cruise ID			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information Latitude	Positional Information Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
20	7	3:01	BE	CTD		0013	49° 58.135'	127° 24.989'	355	342	005	1	[illegible]	✓	may have labelled jar w/ July 20
		3:02	BO				49 58.135	127° 24.997							↓
		3:04	EN				49 58.132	127 25.006							
															↓
20	7	0315	BO	NET		0014	49° 58.132'	127° 25.006'		35					25120-26383 ↳ changed to 26
21	8	9:34	BE	CTD		α	49° 46.849	127 43.024'	959	500					
		9:45	BO				49° 46.849'	127° 42.793'							
		9:55	EN				49° 46.937	127° 42.571							
21	8	9.58	BO	NET		0016	49° 46.937	127° 42.571		150					26383-27975
22	9	03:01	BE	CTD		0017	49° 50.982	126° 57.413	195	190	006	1	JB + SR	✓	
		03:05	BO	|			49° 50.977	126° 57.451							
		03:11	EN	↓			49° 50.971	126° 57.485							
22	9	03:15	BE	NET		0018	49° 50.971	126° 57.485		150					27975-29010

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Time Code:
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MR = Messenger Release Time
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Transmissometer to be cleaned before each cast, do not use Ammonia products

Notes:

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Month | **Year** | **Ship** | **Cruise ID**

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
22	10	07:56	BE	CTD		019	49° 39.484	127° 15.506	132	125	/	X	JB+SR		
		07:58	BO	↓			49° 39.485	127° 15.517							
		08:00	EN	↓			49° 39.485	127° 15.535							
22	10	08:07	BE	NET		020	49° 39.485	127° 15.535		125					29010 - 29865
22	11	1133	BE	CTD		021	49 37.859	127 33.600	810	500	7	1	✓SR	✓	
		1142	BO				49. 37.864	127 33.606							
		1155	EN				49 37.838	127 33.985							
22	11	1203	BO	NET		022	49° 37.838	127 33.985	810	160					29865 - 30880
23	12	0308	BE	CTD		23	49 39.056	126 36.914	155	150	8	1	SR	✓	
		0311	BO				49 39.015	126 36.914							
		0315	EN				49 38.995	126 36.913							
															30880 - 31388
23	12	0322	BO	NET		24	49 38.995	126 36.913	157	150					Bongo VN24

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

Notes: _____

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month July **Year** 2012 **Ship** Richter **Cruise ID** 2012-51

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
23	13		BE	CTD		25	49 31.693	126 47.906	59	54	–		SR	/	13 Next
			BO				49 31.705	126 47.934							
			EN				49 31.705	126 47.933							
															31388-31832
23	13		BO	NET		26				52					Bongo VNN
								39							
23	14	13:04	BE	CTD		27	49°27.131	126° 9.797	157	150					
		13:07	BO				49° 27.001	126° 9.730							
		13:12	EN				49° 26.897	126° 9.698							
23	14	13:20	BO	NET		28	49 26.897	126° 9.698		145					31833-32900
24	15	0300	BE	CTD		29	49 20.694	126 38.738	55	45		X		/	VH
		0303	BO				49 20.719	126 38.747							
		0305	EN				49 20.736	126 38.752							
															32900 –
24	15	0320	BO	NET		30	49 20.736	126 38.752	55	45					Bongo 33250

Cast Type:
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Transmissometer to be cleaned before each cast, do not use Ammonia products

Notes: _____

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Page 6 of _____

Month JULY **Year** 2012 **Ship** WERICKER **Cruise ID** 2012 1

Day UTC	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
July 24	16	07	BE	CTD		31	49° 23.869	126° 55.998	136	127		(1)		/	LAF ~13°C SST
			BO				49° 23.905	126° 56.009		"					
			BN				49° 23.915	126° 55.985							
	16	0715	BO	NET		32	49° 23 915	126° 55.985	136	125					33250 - 34325
	17	12:42	BE	C		33	49° 17.626	127° 13.298	836			(1)		/	
		5	BO				49° 17.585	127° 13.343							
		13:03	BN				49 17.597	127 13.432							
	17		BO	ET		34	49 17 597	127 13.432		150					34325 - 35591
	18	2:59	BE	CTD		35	49 9.763	126 38.792	128	115		(1)			~2000HRS PDT VH
		3:01	BO				49 9766	126 38.756							
		3:04	BN				49 9763	126 38.767							
	18	3:20	BO	NET		36	49 9763	126 38.767	128	115 (?) 110					0230 HRS PDT 35591 - 36255

Cast Type:
BOT = Bottle cast, no CTD
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BO = Bottom Time of Cast
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MR = Messenger Release Time
RE = Recover Mooring Time

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

Notes: _____

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DAILY SCIENCE LOG

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Page 7 of ____

Month JULY **Year** 2012 **Ship** WEB **Cruise ID** 2012-51 Sardine

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
July 25	19	12:27	BE	CTD		37	49° 2.736	126° 2.696	52	42		(1)			LAF. PDT ~ 0530 Am
			BO				49° 2.755	126° 2.678							
			BN				49° 2.756	126 2.676							
															36255 - 36599
	19		BO	NET		38	49 2.756	126 7.676		40					LAF
	20	04:10	BE	CTD		39	48°59.614	126°23.67	142	135		(1)			
		04:14	BO				48 59.55°	126° 23.678							
		04:18	BN				48 59 498	126 23687							
	20		BO	NET		40				135					36599 - 37625
									~~237~~	~~225~~					
	21	9:31	BE	CTD		41	48° 59.549	126° 39.319	237	225		∅			
		9:35	BO												
		9:39	BN				48°59.534	126° 39.295							
															37625 - 39448
	21		BO	NET		42	48 59.534	126 39.295	240	150					LAF - PDT ~ 0230 July 26 Hes.

Cast Type:
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Time Code:
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RE = Recover Mooring Time

Notes: _____

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

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Month July **Year** 2012 **Ship** WER **Cruise ID** 2012-51

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information Latitude	Positional Information Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
	22	12:06	BE	CTD		43	48 54.558	126 46.181	500	762		(1)			Forgot the 90sec timer
		12:16	BO				48 54.469	126 46.210							
		12:28	EN				48 54.432	126 46.324							
	22		BO			44	48 54.432	126 46.324		150					39498 - 40503
	23	03:05	BE	CTD		45	48 40.526	126 18.332	475	438		(1)			
		03:14	BO				48 40.439	126 18.414							
		03:25	EN				48 40.332	126 18.445							
	23		BO			46	48 40.332	126 18.445		150					40503 - 41815
TR	24		BE	CTD		47	48 57.?	126 ?.	65	58					LAST PUT = Jul 27 0080h missed 'BE Time'
			BO				48 57.074	126 4.652							
			EN				48 54.077	126 4.651							
	24		BO	NET		48	48 54.077	126 4.651		55					LAST 41815 - 42242

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Notes: _____

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month | **Year** | **Ship** | **Cruise ID**

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
	25	12:26	BE	CTD		49	48.53758	125 44 892	90	101		(1)			VH - went past 90 96)
		12:29	BO				48 53822	125 44 896							dropped msg at
		12:31	EN				48 53857	125 44 892							90
	25		BO	BONGO		50	48 53 857	125 44 892		90					42242-43073
	26	3.11	BE	CTD		51	4849.812	125 33.334	40	50					
		3:13	BO				4849.808	12533.328							GROUND
		3:15	EN				4849 804	125 33.322							R A
	26		BO			52	4849.804	12533.322		35					43073-43209
	27	7:23	BE	CTD		53	48 41.278	125 51.480	60	70					
		7:24	BO				48 41 274	125 51, 487							
		7:25	EN				48 41.269	125 51.498							
	27		BO			54	4841.269	125.51,498		60					43209-43441

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Version: 16 April 2010

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month | **Year** | **Ship** | **Cruise ID**

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
SAT	28	1051	BE	CTD		55	48° 41.530'	125° 31.844'	158	145		(1)			DAT
			BO				48° 41.512'	125° 31.981'							
			EN				49° 41.520'	125° 32.100'							
	28		BO	BONGO		56	48° 41.520	125° 32.100		145					43441-4443
SAT	29	322	BE	CTD		57	48° 41.753	125° 17.826	45	55		(1)			
		3:23	BO				48° 41.742	125° 17.832							
		24	EN				48° 41.728	125° 17.850							
	29		BO	BONGO		58	48° 41.728	125° 17.850		45					44443-44579
	30	07:43	BE	CTD		59	48° 37.431	125° 35.508	120	130					
		07:46	BO				48 37.469	125 35.596							
		7:48	EN				48 37.488	125 35.631							
	30		BO	BO		60	48 37.488	125 35.631		120?					44579 - 45485

Cast Type:
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Transmissometer to be cleaned before each cast, do not use Ammonia products

Notes: _____

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Month July **Year** 2012 **Ship** WERidd **Cruise ID** -51

Day UTC	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Latitude	Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
Sun July 29	31	1135	BE	CTD		61	48° 25.488	125° 40.651	133	5		(1)			[illegible]
			BO				48 25.861	125° 40.621							
			EN				48° 25.810	125° 40.630							
	31		BO	Bongo		62	48° 25.810	125° 40.630		120					45485-46499
	32	0321	BE	CTD		63	48° 22.441'	125° 36.[illegible]	139	130		(1)			
		0325	BO				4° 22.373	125 36.464							
		0330	EN				48° 22.349	125° 36.370'							
	33		BO	Bongo		64	48 22 349	125 36 370		130					46499-47851
	33	0647	BE	CTD		65	48° 25.5	125° 54.368	161	150		✓			[illegible]
							48° 25.538	125° 54.305							
		0658	EN				48.25.549	125.54.235							
	33	0710	BO	Bongo		66	48° 25.549	125° 54.235		150					47851-48838

Cast Type:
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UN = Up / No stop
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Notes:

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BO – Bottom Time of Cast
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DE = Deployment Time
MR = Messenger Release Time
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Transmissometer to be cleaned before each cast, do not use Ammonia products

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month July | Year 2012 | Ship WERICK | Cruise ID S1 | Page _____ of _____

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
	34	12.18	BE	CTD		67	48°23.226	126°7.636		345		(1)			
		12:24	BO				48 23.225	126 7.660							
		12.33	EN				48° 23.234	126° 7.724							
	34		BO	BONGO		68	48° 23 234	126° 7.724		150					48838 - 49751
	35	03:11	BE	CTD		69	49° 18.967	126° 37.891	84	94		(1)			
			BO				49 18.974	126° 37.912							
			EN				49° 18.990	126° 37.945							
	35		BO	BONGO		70	49 18 990	126 37.945		85					49751 - 50356
															By LGO2
	36	12.11	BE	CTD		71	49°19.374	126°51.677	12	130		(1)			
		12 13	BO				49° 19.366								
			EN				49° 19.350	126° 51.737							
	36		BO	BONGO		72	49° 19.350	126 51.737		120					50356 - 51405

Cast Type:
BOT = Bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
SET = Fish Set
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Bottle Firing Method:
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Notes: _____

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month JULY **Year** 2012 **Ship** W.E. RICKER **Cruise ID** 2012-51

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
JULY 31	37	3:11	BE	CTD		73	49° 9.492	126° 37.792	115	125		(1)			
		3:14	BO				49° 9.484	126° 37.811							
		3:17	EN				49° 9.460	126° 37.818							
									110	(from label)					
	37		BO	BONGO		74	49 9.460	126° 37.818	~~63~~	~~73~~		(1)			51405 - 52519
AUG 1	38	11:19	BE	CTD		75	48° 55.397	126° 4.546							
		11:21	BO				48° 55.391	126° 4.567							
		11:23	EN				48° 55.381	126° 4.607							
	38		BO	BONGO		76	48° 55.381	126° 4.607	65			(1)			52519 - 53189
AUG 1	39	3:04	BE	CTD		77	48° 56.191	125° 10.342	80	90		(1)			
		3:07	BO				48° 56.197	125° 10.346							
		3:09	EN				48° 56.203	125° 10.345							
	39		BO	BONGO		78	48° 56.203	125° 10.345		80					53187 - 54177

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month AUGUST **Year** 2012 **Ship** **Cruise ID**

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information Latitude	Positional Information Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
AUG 2	40	0752	BE	CTD		79	48° 49.108	125° 27.725	98	90		1			-AF NOT OSSIAS. AUG 2
			BO				48° 49.122	125° 27.739							LAST CTD @ SIDNEY SPIT -
			EN				48° 49.138	125° 27.750							202-5!
AUG 2	40	0815	BO	BONGO		80	48° 49.138	125° 27.750	98	85					54177-55048

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Notes:

BONGO TSK 7182

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page ____ of 3

Month	AUGUST	Year	2012	Ship	W.E. RICKER	Cruise ID	54

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
03	1	14:08	BE	CTD		001	48°53.243	125 42.353	43	35		1	JB+KD		
		14:09	BO				48 53.243	125°42.353							
		14:11	EN				4853238	125°42.346							
															55048-55380
	1	14:20	BE	NET		002	48°53.238	12542.353	43	35					
04	2	14:03	BE	CTD		003	48° 45.913	125 51.904	6			2	JB+KD		
		14:04	BO				48 45.923	125 51.917							
		14:05	EN				48°45.916	125 51.941							
	2		BE	NET		004	48° 45.916	125 51.941	65	60					55380-55732
05	3	14:03		CTD		005	48 39.400	125 28.746	67			3	JB+LM		In HCM
		14:05	BO				48°39.394	125° 28.706							where [illegible]
		14:07	EN				48° 39.395	125° 28.847							we [illegible] tacke connected them
															as [illegible] looks fine
	3	14:	BE	NET		006	48°39.395	125 28.847	67	60					55732-56258

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month AUG **Year** 2017 **Ship** RICKER **Cruise ID** 4

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information: Latitude	Positional Information: Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
7	4	20:59	BE	CTD		007	48 50.783	125 55.007	60	55	4	1	[illegible]		
		21:00					48 50.803	125 55.002							
		21:02	BN				48 50.815	125 54.998							
	4	21:15	BE	NET		005	48 50.815	125 54.998	60	55					56258-56572
8	5	19:51	BE	CTD		009	48 36.328	125 53.902	87	80	5	1	BTL		
		19:53	BO				48								
			BN				48 36.323	125 53.855							
	5		BE	NET		010	48 36.323	125 53.855	87	75					56512-57941
9	6	16:58	BE	CTD		011	48 34.858	125 17.708	120		6	1	CM		
		17:00					48 34.903								
		17:04	BN				48 34.878	125 17.773							
	6	17:20	BO	NET		013	48 34.878	125 17.773	115	105	95 from label				57941-57599

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DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month Aug **Year** 2017 **Ship** Tucker **Cruise ID** 2017 4

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information Latitude	Positional Information Longitude	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
10	7	14:11	BE	CTD		013	48 33.216	124 47.42		116	7	1			
			BO				48 33.87	3							
		14:16	EN				48 33.235	124 47.44							
															57599-58166
10	7	14	BE	NET		014	48 33.251	124 47.512	117	~~116~~ 105					~~58166-58970~~
11	8	14:51		CTD		015	48 26.341	125 37.583	118	110	1	1			
		14:53					48 26.333	125 37.588							
		14:56	EN				48 26.321	125 37.588							
11	8	14:10	BE	NET		016	48 26.321	125 37.588		105					58166-58970
12	9	22:09	BE	CTD		017	48 29.528	125 8.090	202	190	9	1			
		22:13	BO				461	125 8.044							
		22:17	EN				48 29.498	125 8.015							
12	9	22:25	BE	NET		018	48 29.518	125 8.015	202	150					58970 - 60156

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