

DAILY LOG

trip # 5

14-18 Aug 2017

CRUISE
NUMBER

2017-07

DATE

To:

VESSEL:

Salacia

PROJECT(S):

Strait of Georgia Zooplankton

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division

WaterProperties.ca

**** The following 3 pages are VERY IMPORTANT as they document equipment and settings used on board ****

These pages are to be completed by the CTD Technician setting up the equipment, the Watch Leader on board, and the Chief Scientist MUST verify that all relevant sections are completed prior to leaving the vessel. Any mid-cruise changes to be noted by watch leader in the notes.

Data logging computer: #32

Data acquisition program: Seasave

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

Primary CTD Cruise #1+2 6-10 Mar, 20-24 Mar

Make: SBE ~~25+~~ model: 25+ serial number: 1123

Primary temperature serial number: 4888

Primary conductivity serial number: 4513

Secondary temperature serial number: _____

Secondary conductivity serial number: _____

Transmissometer: _____ Model: _____ s/n: _____

Transmissometer: _____ Model: _____ s/n: _____

Fluorometer: Model ECO Cable gain: 13 s/n: 2214 P, S or NO pump?

Fluorometer: Model _____ Cable gain: _____ s/n: _____ P, S or NO pump?

Oxygen sensor: SBE Model: 43 s/n: 3234 P S or NO pump?

PAR sensor: _____ Model: _____ s/n: _____ Surface PAR? Y / N

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?

Other sensors: _____ s/n: _____ P, S or NO pump?

Secondary CTD #3-5-9 June, #4 30 July-4 Aug

Make: SBE model: 25+ serial number: 1123

Primary temperature serial number: 4888

Primary conductivity serial number: 3396

Secondary temperature serial number: _____

Secondary conductivity serial number: _____

Transmissometer: _____ Model: _____ s/n: _____

Transmissometer: _____ Model: _____ s/n: _____

Fluorometer: Model ECO Cable gain: 13 s/n: 2214 P, S or NO pump?

Fluorometer: Model _____ Cable gain: _____ s/n: _____ P, S or NO pump?

Oxygen sensor: SBE Model: 43 s/n: 3234 P S or NO pump?

PAR sensor: _____ Model: _____ s/n: _____ Surface PAR? Y / N

Other sensors: _____ s/n: _____ P, S or NO pump?

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CTD calibration bottle location (height above CTD in metres): 1.2 m (see notes)

This also includes the bottle location above the CTD on non-rosette casts (e.g., W.E. Ricker)

100832

file #

DAILY SCIENCE LOG

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Month		Year		Vessel		Cruise ID									
August		2017		Salick		207-07									
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
133	CBE2	14	10:08	BE	CTD		48° 44.205	123° 34.372	65		-	-	sn	☒	
			10:11	Bo			48° 44.199	123° 34.331		60	-			☐	
			10:12	EN			48° 44.191	123° 34.319			-			☐	
134	CBE2	14	10:18	BE	NET		48° 44.183	123° 34.307	65		-			☐	Score
			10:20	Bo			48° 44.177	123° 34.302		55	-			☐	
			10:22	EN			48° 44.169	123° 34.297			-			☐	
135	41	14	13:25	BE	CTD		49° 03.292	123° 22.219	245	10	-	-	sn	☒	test cast to
			13:25	Bo			.	.			-			☐	check depth
			13:26	EN			49° 03.285	123° 22.222			-			☐	FILE IN
136	41	14	13:32	BE	CTD BOT		49° 03.281	123° 22.196	245		51-53	3	sn	☒	Sal at 239m
			13:38	Bo			49° 03.239	123° 22.174		240	-			☐	→ 72
			13:47	EN			49° 03.285	123° 22.209			-			☐	140ml chl a
137	41	14	14:05	BE	NET		49° 03.317	123° 22.264	245		-			☐	
			14:18	Bo			49° 03.262	123° 22.205		230	-		sn	☐	Score
			14:24	EN			49° 03.241	123° 22.189			-			☐	
138	38	14	15:31	BE	CTD		49° 12.010	123° 26.380	300		-	-	sn	☒	73
			15:38	Bo			49° 11.974	123° 26.310		295	-			☐	
			15:45	EN			49° 11.947	123° 26.268			-			☐	
			:				.	.			-			☐	

Event Type:

BOT = Bottle cast (no CTD)

CTD = Standalone CTD

ROS = CTD in Rosette

SET = Fish Set

Bottle Firing Method:

US = Up / Stop (default)

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EN = End Time of Cast

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

DE = Deployment Time

MR = Messenger Release Time

RE = Recover Mooring Time

Notes:

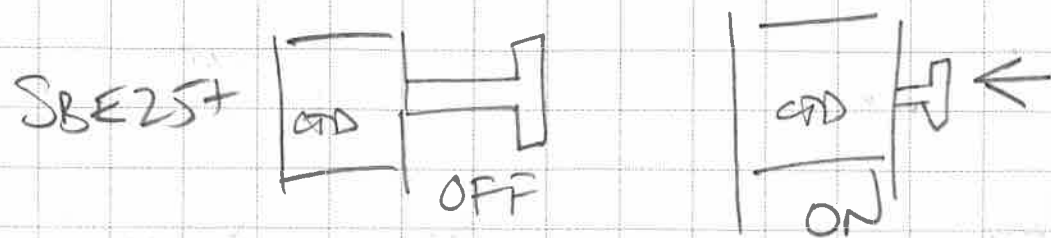
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'ON' switch lifted accidentally or not for

Don't think this are recorded, thinking switch got knocked on deployment —
upload data just surface



Nishin didn't trip → read cast just for salt (no CTD data) sample

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Month <u>Aug</u>				Year <u>2017</u>		Vessel <u>Salica</u>		Cruise ID <u>2017 07</u>							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
139	38	14	15:48	BE	NET		45° 12.004	123° 26.388	300		-			☐	
			15:58	BO			49° 11.955	123° 26.305		240	-			☐	
			16:04	EN			49° 11.742	123° 26.296			-			☐	
140	40	14	17:04	BE	CTD		49° 08.647	123° 36.805	146		-		SN	☒	hit bottom?
			17:08	BO			49° 08.672	123° 36.784		141130	-			☐	wire slack at
			17:12	EN			49° 08.698	123° 36.623			-			☐	130m (74)
141	40	14	17:15	BE	NET		49° 08.530	123° 36.812	146		-		SN	☐	Scor
			17:20	BO			49° 08.600	123° 36.795		1365	-			☐	
			17:23	EN			49° 08.611	123° 36.782			-			☐	
142	GE02	15	07:58	BE	CTD		49° 15.011	123° 44.983	400		54-56	3	SN	☒	Sei e 3944 (77)
			08:05	BO			49° 15.058	123° 44.963		395	-			☐	chl x 280m
			08:10	EN			49° 15.084	123° 44.951			-			☐	each
143	GE02	15	08:30	BE	NET		49° 14.985	123° 45.051	400		-			☐	Scot
			08:42	BO			49° 15.009	123° 45.026		390	-			☐	
			08:51	EN			49° 15.020	123° 45.030			-			☐	
144	CPF1	15	10:35	BE	CTD		49° 22.031	124° 05.047	245		-			☐	(76)
			10:41	BO			49° 22.029	124° 05.023		240	-		SN	☒	
			10:46	EN			49° 22.022	124° 05.011			-			☐	
			:				.	.			-			☐	

Event Type:

BOT = Bottle cast (no CTD)
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LOOP = Sea Water Loop

MOR = Mooring
 NET = Plankton Net Haul
 DRF = Drifter

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Entrance Dred 30m → avg temp, sal

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Month <u>Aug</u>			Year <u>2017</u>			Vessel <u>Salvex</u>			Cruise ID <u>2017-07</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
145	CPF1	15	10:43	BE	NET		49° 22.015	124° 04.987	245		-		sn	☐	
			10:54	BO			49° 22.007	124° 04.985		235	-			☐	
			11:00	EN			49° 22.008	124° 04.853			-			☐	
146	CPF2	15	12:59	BE	CTD		49° 27.989	124° 30.059	325		-	-	sn	☒	(77)
			13:06	BO			49° 27.947	124° 30.061		320	-			☐	
			13:13	EN			49° 27.930	124° 30.073			-			☐	
147	CPF2	15	13:15	BE	NET		49° 27.928	124° 30.077	325		-		sn	☐	
			13:24	BO			49° 27.931	124° 30.083		315	-			☐	
			13:31	EN			49° 27.907	124° 30.105			-			☐	
148	BS-11	15	14:44	BE	CTD		49° 29.021	124° 46.020	58		-	-	sn	☒	(78)
			14:47	BO			49° 29.004	124° 46.014		53	-			☐	
			14:49	EN			49° 28.992	124° 46.010			-			☐	
149	BS-11	15	14:50	BE	NET		49° 28.986	124° 46.001	53		-		sn	☐	
			14:51	BO			49° 28.931	124° 45.999		48	-			☐	
			14:52	EN			49° 28.931	124° 45.793			-			☐	
150	11	16	06:36	BE	CTD		49° 42.448	124° 43.414	290		57-58	2	sn	☒	(79) CANNOT UPLOAD
			06:43	BO			49° 42.360	124° 43.433		280	-			☐	
			06:49	EN			49° 42.294	124° 43.442			-			☐	
			:				.	.			-			☐	

Event Type:

BOT = Bottle cast (no CTD)
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SET = Fish Set

LOOP = Sea Water Loop
MOR = Mooring
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DRF = Drifter

Bottle Firing Method:

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Time Code:

BE = Beginning Time of Cast
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CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

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MR = Messenger Release Time
RE = Recover Mooring Time

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Notes:

This page is for any notes or observations

→ Upload failed → tryed 3X

DAILY SCIENCE LOG

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Month <u>August</u>			Year <u>2017</u>		Vessel <u>Salaia</u>			Cruise ID <u>2017-07</u>							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
151	11	16	07:00	BE	NET		49°42.324	124°43.375	290		-	-	SR	☐ ☐	Scan
			07:09	BO			49°42.263	124°43.439		280	-			☐ ☐	→
			07:15	EN			49°42.219	124°43.463			-			☐ ☐	
152	22	16	11:03	BE	CTD		49°40.152	124°16.238	353		59 -	1	SR	☒ ☐	schmidt e347m
			11:12	BO			49°40.164	124°16.265		348	-			☐ ☐	(80) ✓
			11:23	EN			49°40.165	124°16.299			-			☐ ☐	
153	22	16	11:25	BE	NET		49°40.174	124°16.307	353		-		SR	☐ ☐	
			11:36	BO			49°40.166	124°16.320		343	-			☐ ☐	
			11:43	EN			49°40.181	124°16.367			-			☐ ☐	
154	24	16	13:13	BE	CTD		49°30.299	124°06.003	425		-			☒ ☐	(81) ✓
			13:23	BO			49°30.334	124°06.064		420	-		SR	☐ ☐	
			13:33	EN			49°30.365	124°06.115			-			☐ ☐	
155	24	16	13:36	BE	NET		49°30.375	124°06.121	425		-			☐ ☐	
			13:43	BO			49°30.413	124°06.173		415	-		SR	☐ ☐	
			13:50	EN			49°30.442	124°06.211			-			☐ ☐	
156	28	17	07:59	BE	CTD		49°24.105	123°45.320	134		-	-	SR	☒ ☐	(82) ✓
			08:02	BO			49°24.100	123°45.346		124	-			☐ ☐	
			08:04	EN			49°24.102	123°45.356			-			☐ ☐	
			:				.	.			-			☐ ☐	

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Bottle Firing Method:

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pump head for mesh down of net

pump working again. Took bottom off, cleanup, etc.

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Month August				Year 2017			Vessel Salween			Cruise ID 201707					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
157	28	17	08:07	BE	NET		49° 24.106	123° 45.386	134		-		SK	☒	
			08:11	BO			49° 24.100	123° 45.403		124	-			☐	
			08:13	EN			49° 24.100	123° 45.417			-			☐	
158	Habit	17	08:35	MR	BOT		49° 20.405	123° 43.702		5	60-61	2		☐	280ml chl
159	28 46	17	13:09	BE	CTD		48° 51.360	123° 10.800	176 300	176	62	2	SK	☐	Safe (83)
			13:15	BO			48° 51.391	123° 10.908		295	-			☐	
			13:18	EN			48° 51.407	123° 10.998		171	-			☐	
160	28 46	17	13:22	BE	NET		48° 51.405	123° 10.766	176 300	166	-			☐	SCOR
			13:27	BO			48° 51.435	123° 10.858		292	-			☐	
			13:30	EN			48° 51.452	123° 10.930			-			☐	
161	59	17	15:37	BE	CTD		48° 36.947	123° 14.996	225		62		SK	☐	Safe 219m
			15:43	BO			48° 36.981	123° 15.023		220	-	1		☐	(84)
			15:50	EN			48° 36.966	123° 14.945			-			☐	
162	59	17	15:54	BE	NET		48° 37.019	123° 14.795	225		-	#		☐	Safe SCOR
			16:00	BO			48° 37.105	123° 14.743		215	-		SK	☐	
			16:05	EN			48° 37.037	123° 14.632			-			☐	
163	GI-01	18	06:47	BE	CTD		48° 45.828	123° 20.531	65		-	-	SK	☒	(85)
			06:50	BO			48° 45.774	123° 20.539		60	-			☐	
			:	EN			.	.			-			☐	

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Bottle Firing Method:

US = Up / Stop (default)
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Notes:

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Month				Year		Vessel			Cruise ID						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information		Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
							Latitude	Longitude							
164	GJ-01	18	06:53	BE	NET		48° 45.698	123° 20.552	65		-		SR	☒	Scan
			06:55	BO			48° 45.665	123° 20.552		55	-			☐	
			06:56	EN			48° 45.657	123° 20.556			-			☐	
165	SC#4	18	07:38	BE	CTD		48° 43.488	123° 24.991	90		63-64	2	82	☐	(86) - 140m
			07:41	BO			48° 43.456	123° 24.935		85	-			☐	Plankton
			07:43	EN			48° 43.446	123° 24.925			-			☐	
166	SC#4	18	07:48	BE	NET		48° 43.357	123° 24.841	90		-		SR	☐	
			07:50	BO			48° 43.379	123° 24.757		80	-			☐	
			07:54	EN			48° 43.359	123° 24.747			-			☐	
167	CBE2	18	08:47	BE	CTD		48° 44.266	123° 34.548	65		-		SR	☐	(87) -
			08:50	BO			48° 44.275	123° 34.513		60	-			☐	
			08:51	EN			48° 44.275	123° 34.503			-			☐	
169	CBE2	18	08:53	BE	NET		48° 44.275	123° 34.470	65		-			☐	Scan
			08:55	BO			48° 44.280	123° 34.468		55	-			☐	
			08:56	EN			48° 44.283	123° 34.462			-			☐	
			:				°	°			-			☐	
			:				°	°			-			☐	
			:				°	°			-			☐	
			:				°	°			-			☐	
			:				°	°			-			☐	

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