

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2012-16

DATE:

From:

July 7th 2012

to:

VESSEL:

PROJECT(S):

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
North Saanich, BC, Canada

WaterProperties.ca

Rosette Setup:

Number of bottles: 24
Manufacturer: 105
Volume of bottles (litres): 10 L

Winches:

1. Make: _____ Model: _____ Serial #: _____ Used for: _____
2. Make: _____ Model: _____ Serial #: _____ Used for: _____
3. Make: _____ Model: _____ Serial #: _____ Used for: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Salinometer:

Make: _____ Model: _____ Serial Number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Oxygen Kit(s):

Make: _____ Model: _____ Kit Number: _____
Make: _____ Model: _____ Kit Number: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Thermosalinograph System (SBE21):

Program: _____ Version: _____
Sampling interval (seconds): _____
Fluorometer sensor serial number: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

ADCP Setup:

Computer time zone: _____ User Exits: Name: _____ Exit points: _____
Sampling interval (sec): _____ Name: _____ Exit points: _____
Bin Length: (2^x): _____ Name: _____ Exit points: _____
Pulse Length: _____ Work File: _____
Buffer (bytes): _____
Gyro Offset: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

CTD Test Cast Information

Test Cast along side?

Yes ☐ No ☐

Comments

Test Cast in Saanich Inlet or other location?

Yes ☐ No ☐

Comments

CTD pressure reading on deck (db), before cast: _____ after cast: _____

Pumps working?

Yes ☐ (0011) No ☐ (0010)

Secondary Temp – Primary Temp:

(Average from the mixed region) _____

Secondary Salinity – Primary Salinity:

(Average from the mixed region) _____

Additional Comments:

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Ocean Sciences Division, Institute of Ocean Sciences

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DAILY SCIENCE LOG				Ocean Sciences Division, Institute of Oceanography					Ship		Cruise ID				
Month JULY				Year 2012			Ship CCGS VECTOR		Cruise ID 2012-16						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
07	T2-4	0240	BE	CTD	US	001	48° 58.59	123° 22.35	236		#1-2	2	KS.	✓	2. test bottles for DO @ 50m & 10m
		0246	BO				48° 58.59	123° 22.30		232					
		0253	EN				48° 58.62	123° 22.31							
08	BS1	1509	BE	ROS	US	002	49° 38.884	124° 52.714	20		#3-8	6	KS	✓	bucket sample @ etc.
		1513	BO				49° 38.880	124° 52.706		18					
		1519	EN				49° 38.879	124° 52.716							
08	BS2	1547	BE	ROS	US	003	49° 38.414	124° 53.681	36		#9-15	7	KS	✓	vents/spigots open → redo ↓
		1549	BO				49° 38.413	124° 53.725		34					
		1556	EN				49° 38.414	124° 53.723							
08	BS2	1616	BE	ROS	US	003	49° 38.417	124° 53.725			#9-15	7	KS	✓	repeat,
		16	BO				49° 38.434	124° 53.726							
		1626	EN				49° 38.420	124° 53.734							

Cast Type:

BOT = Bottle cast, no CTD
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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
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Transmissometer to be cleaned before each cast, do not use Ammonia products

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Notes:

Scott's #5 all (250)

Office	Name	Cell	Jill's Cell	Sæbvd
363-6399	655-5226	858-2880	858-6987	(425) 643 6988 ? Guess

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Month <u>July</u>				Year <u>2012</u>			Ship <u>Vecor</u>				Cruise ID <u>2012-16</u>				
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							Latitude	Longitude							
09	BS15	1420	BE	ROS	US	009	49° 30.614	124° 49.373	25		#42-47	6	KS	✓	sunny, clear, calm
		1422	BO				49° 30.616	124° 49.374		22					
		1428	EN				49° 30.619	124° 49.361							
09	BS14	1448	BE	ROS	US	010	49° 31.044	124° 48.716	48		#48-54	7	KS	✓	
		1450	BO				49° 31.033	124° 48.714		45					
		1456	EN				49° 31.027	124° 48.736							
09	BS13	1517	BE	ROS	US	011	49° 31.355	124° 48.480	47		#55-60	7	KS	✓	Added a 25m bottle mid run.
		1520	BO				49° 31.351	124° 48.475		45					
		1527	EN				49° 31.351	124° 48.470							
09	BS12	1552	BE	ROS	US	012	49° 32.366	124° 50.088	39		#61-67	6	KS	✓	
		1554	BO				49° 32.360	124° 50.092		37					
		1600	EN				49° 32.374	124° 50.113							
09	BS11	1623	BE	ROS	US	013	49° 32.209	124° 50.449	47		#68-75	7	KS	✓	
		1624	BO				49° 32.210	124° 50.450		45					
		1631	EN				49° 32.215	124° 50.448							

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
09	BS10	1654	BE	ROS	US	014	49° 32.014	124° 50.999	22		#76-81	6	KS	✓	Did not fire bot
		1656	BO				49° 32.011	124° 51.002		20					6. My mistake
		1701	EN				49° 32.004	124° 51.012							
09	BS26	1415	BE	ROS	US	015	49° 38.063	124° 49.849	47		#82-88	7	KS	✓	May have touched
		1418	BO				49° 38.054	124° 49.838		45					bottom. Winchman
		1425	EN				49° 38.027	124° 49.808							was not paying
															attention. Was going
10	BS25	1449	BE	ROS	US	016	49° 38.960	124° 50.710	53		#89-95	7	KS	✓	very slow.
		1451	BO				49° 38.957	124° 50.710		49					
		1457	EN				49° 38.942	124° 50.707							
10	BS24	1522	BE	ROS	US	017	49° 39.797	124° 51.154	54		#96-102	7	KS	✓	
		1524	BO				49° 39.793	124° 51.157		50					
		1530	EN				49° 39.785	124° 51.170							
10	BS7	1930	BE	ROS	US	018	49° 34.014	124° 52.283	28		#103-108	6	KS	✓	
		1931	BO				49° 34.014	124° 52.285		26					
		1937	EN				49° 34.013	124° 52.306							

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							Latitude	Longitude							
10	BS8	1955	BE	ROS	US	019	49° 34.160	124° 51.562	50 ⁴⁷		#109-115	7	KS	✓	Was a bit quick near bottom but
		1956	BO				49° 34.159	124° 51.560		44					
		2004	EN				49° 34.153	124° 51.564							no issues.
10	BS9	2023	BE	ROS	US	020	49° 34.392	124° 50.975	29		#116-121	6	KS	✓	
		2024	BO				49° 34.392	124° 50.977		27					
		2030	EN				49° 34.388	124° 50.976							
11	BS16	1447	BE	ROS	US	021	49° 29.257	124° 45.732	43		#117-122	6	KS	✓	
		1450	BO				49° 29.258	124° 45.731		41	#117, 118, 119, 120, 121, 122				
		1455	EN				49° 29.275	124° 45.743							
11	BS17	1516	BE	ROS	US	022	49° 29.033	124° 46.174	54		#123-129	7	KS	✓	
		1518	BO				49° 29.036	124° 46.176		51					
		1524	EN				49° 29.051	124° 46.190							
11	BS18	1547	BE	ROS	US	023	49° 28.921	124° 46.524	28 ²²		#130-135	6	KS	✓	
		1547	BO				49° 28.921	124° 46.524		20					
		1553	EN				47° 28.922	124° 46.540							

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
11	BS19	1617	BE	ROS	US	024	49° 28.060	124° 45.205	29		#136-141	6	KS	✓	
		1619	BO				49° 28.061	124° 45.209		27					
		1625	EN				49° 28.079	124° 45.240							
11	BS20	1653	BE	ROS	US	025	49° 28.356	124° 44.784	4039		#142-148	7	KS	✓	3 m off bottom
		1656	BO				49° 28.350	124° 44.797		37					
		1702	EN				49° 28.344	124° 44.860							
11	BS21	1727	BE	ROS	US	026	49° 28.592	124° 44.556	22		#149-154	6	KS	✓	bottom drifting deeper.
		1728	BO				49° 28.589	124° 44.572		20					
		1734	EN				49° 28.588	124° 44.598							
12	BS23	1640	BE	ROS	US	027	49° 27.708	124° 39.968	56		#155-161	7	KS	✓	
		1642	BO				49° 27.700	124° 39.984		54					
		1649	EN				49° 27.674	124° 40.052							
12	BS22	1716	BE	ROS	US	028	49° 28.211	124° 41.810	38	36	162-167	6	KS	✓	bot 1 did not close, cap hung up on frame.
		1717	BO				49° 28.217	124° 41.804							
		1723	EN				49° 28.228	124° 41.767							

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							Latitude	Longitude							
12	BS27	1800	BE	ROS	US	029	49° 25.951	124° 37.506	48 ⁵⁰		#168 -174	7	KS	✓	new stn.
		1802	BO				49° 25.949	124° 37.505		48					stn renamed BS27
		1808	EN				49° 25.946	124° 37.496							after cast (BS27)
12	BS28	1911	BE	ROS	US	030	49° 25.246	124° 36.232	50 ⁵³		#175 -181	7	KS	✓	new stn.
		1916	BO				49° 25.248	124° 36.230		49					stn renamed BS28
		1922	EN				49° 25.250	124° 36.228							after cast (BS28)
12	BS29	2008	BE	ROS	US	031	49° 24.653	124° 34.915	53 ⁵⁵		#182 -188	7	KS	✓	new stn.
		2010	BO				49° 24.656	124° 34.916		53					stn renamed BS29
		2017	EN				49° 24.656	124° 34.919							after cast (BS29)
13	BS30	1510	BE	yoyo	CTD	032	49° 30.876	124° 48.050		0-20	- lowering CTD @ 1-2 knts lowering to 20m @ 1m/s and up to 0m @ 1m/s.				
		1547	EN	transect			49° 30.052	124° 48.793							
13	BS31	1641	BE	yoyo	CTD	033	49° 33.156	124° 50.975		0-20	- same as above. but @ 0.5 m/s				
		1712	EN	transect			49° 32.681	124° 50.586							

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Cruise ID	2012-16
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Month				Year		Ship		Cruise ID		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information	Latitude	Longitude							
13	BS32	2128	BE	CTD	yo-yo	034		49° 30.929	124° 48.248		0-20	* same as previous				
		2212	EN					49° 29.952	124° 48.723							
13			BE			035		49°	124°							
			EN					49°	124°							

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Legend:

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