

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2012-57

DATE:

From: July 14 to: July 17

VESSEL:

Vector

PROJECT(S):

SCG Moorings

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: _____

Sampling interval (sec): _____

Bin Length: (2^x): _____

Pulse Length: _____

Buffer (bytes): _____

Gyro Offset: _____

User Exits: Name: _____ Exit points: _____

Name: _____ Exit points: _____

Name: _____ Exit points: _____

Work File: _____

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:

July 14, 2012

This page is for any notes or observations

1033 PDT - Depart LOS heading for SOGS-M recovery

1354 - on station SOGS-M

Range - 16BA 348 348 347

1356 - move to a safe location for release

1400 Range - 428 430 431

1403 Release - 16BA + 1655 - 432 - Received & Executed
- On Surface

1427 - On deck

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>July</u>				Year <u>2012</u>			Ship <u>Vector</u>				Cruise ID <u>2012-58</u>				
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							
14	FR2	2226	BE	ROS	US	001	49° 6.212	123° 18.044	12	0	#1-2	2	KS/SJ/GC		
14	FR1	2239	BE	ROS	US	002	49° 6.816	123° 16.643	9	0	#3-4	2	KS/SJ/GC		
14	FR3	2259	BE	ROS	US	003	49° 6.395	123° 19.586	90	0	#5-6	2	KS/SJ/GC		
14	FR4	2311	BE	ROS	US	004	49° 6.658	123° 20.990	150	0	#7-8	2	KS/SJ/GC		
14	FR5	2327	BE	ROS	US	005	49° 7.080	123° 22.417	182	0	#9-10	2	KS/SJ/GC		strong sewage smell.
14	FR6	2345	BE	ROS	US	006	49° 7.362	123° 23.695	105	0	#11-12	2	KS/SJ/GC		
15	FR7	0035	BE	ROS	US	007	49° 8.100	123° 26.102	280	0	#13-14	2	KS/SJ/GC		Bottle left on pH probe
15	FR8	0051	BE	ROS	US	008	49° 8.660	123° 28.553	321	0	#15-16	2	KS/SJ/GC		
15	FR9	0121	BE	ROS	US	009	49° 9.301	123° 30.874	350	0	#17-18	2	KS/SJ/GC		
15	FR10	0136	BE	ROS	US	010	49° 9.887	123° 32.833	380	0	#19-20	2	KS/SJ/GC		

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

Notes:

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

Produced by the Water Properties Group, IOS

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Version: 16 April 2010

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Month		Year		Ship		Cruise ID		Page		of					
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							
15	SOGN	1405	BE	ROS	US	011	49° 50.173	124° 52.226	332		#21-44	24	KS/SJ/GAC	✓	overshot 250 m
		1412	BO				49° 50.154	124° 52.204		331					by 1.2 m. Went
		1430	EN				49° 50.149	124° 52.220							back down to fire
	SOGN-N	1811	DE	MOR		012	49° 50.168	124° 52.224	335	deployment					bottles
16	SOGS	1420	BE	ROS	US	013	49° 1.410	123° 25.836	319 ⁵		#45-68	24	KS/SJ/GAC	✓	
		1426	BO				49° 1.415	123° 25.831		312					
		1445	EN				49° 1.414	123° 25.850							

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SOGN-MMooring Recovery

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0749 PDT 16B4 358-356 354

Relocate

408 408 413 423

0757 16B4+1655

431 440

- Received & executed

- on surface

0826

- On Deck

BSM 1-A Recovery

This page is for any notes or observations

1500 - On Station

- Send 6412 - NR

5000 - No Response

Use Helle Pinger Receiver

1514 - Send 6422 - 54 61 63

- relocate

Send 6422 - 225

1518 Send 6421 + 6484 230 232 - Received & Executed

1519 - On Surface

This is the code for BSM 2-A (supposedly)
Moorings in positions opposite to what was indicated

This mooring is the complete mooring documented as BSM 2-A, deployed in the wrong location.
Release # 150 Argonaut D712 & AOP M1134 recovered at $49^{\circ}35.50'N$ $124^{\circ}51.46'W$

BSM 2 A Recovery - This will be the instruments and release documented as BSM1A

1629 - Sent 6412 52 51

- Move off 190 190

1635 - 6411 + 6484 - Received & Executed

- On Surface

1640 - On Deck

Recovered at 49 29.28' N
124 46.15' W

ADP M 1119
Argonaut D713
Release # 149

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