

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2011-75

DATE:

From: Aug 5, 2011

to: Aug 8, 2011

VESSEL:

CCGS Vector

PROJECT(S):

Moorings / Fraser River Sampling
DFO - OSD

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

WaterProperties.ca

Captain: Kent Reid.

First Officer: _____

Second Officer: _____

Third Officer: _____

Fishing Master: _____

white crew

Mission Participants / Agencies: DFO-08D

[illegible][illegible]

Data logging computer: Older black rack mount

Data acquisition program: SEASAVE V7 (7.21D)

CTD deck unit make: SBE model: 11 plus serial number: 0425

Primary CTD

Make: SBE model: 9+ serial number: 0443

Primary temperature serial number: 2106

Primary conductivity serial number: 1764

Secondary temperature serial number: 2710

Secondary conductivity serial number: 2128

Transmissometer: Wetlabs Model: _____ s/n: 1185DR

Fluorometer: Model WETLABS ECO Cable gain: ~~25~~ 25 s/n: 2215 P, S or NO pump? P

Oxygen sensor: SBF Model: 43 s/n: 0097 **P** S or NO pump?

PAR sensor: _____ Model: _____ s/n: _____

Other sensors: SBE-18 pH s/n: 0692 P, S or NO pump? NO

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

Make: _____ model: _____ serial number: _____

Primary temperature serial number: _____

Primary conductivity serial number:

Secondary temperature serial number:

Secondary conductivity serial number:

Transmissometer: _____ Model: _____ s/n: _____

Fluorometer: Model	Cable gain:	s/n:

Oxygen sensor:	Model:	s/n:

PAR sensor: _____ Model: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: s/n: _____

Other sensors: _____ s/n: _____

Other sensors:

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

Rosette Setup:

Number of bottles: 24
Manufacturer: —
Volume of bottles (litres): 10

Winches: N/A

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: N/A 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: N/A
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: N/A
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 Clock _____

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:

POT SOGS-J Recovery

August 5, 2011

This page is for any notes or observations

1815 - On Station

- Range 169C 357, 357

- Move off two cables

1820 189C 472 470

1821 1655 467 464

1822 - On Surface

Some CTD files may be labelled

2011-75. We tried to change them

all to 2011-60. We noticed the
mistake just before Event #3.

SOGN-J Mooring Recovery

August 6, 2011

This page is for any notes or observations

On Station 0817 PDT

Range 1690 - no response - let out additional cable
Put in Pinger Receiver - mooring is in place

Range 1690 - no response
- Switch transducers
- Still no response

0830 Test deck unit with both transducers on release 887 - on deck - okay

0841 Moved off 1 cable

- attempt release
- 1690 + 1655 - no response
- Send code - several times

0850 - Attempt release with different deck unit 13
- no response

0900 - move right on location & listen for pingers - 1 definitely
- move slightly off location for one last valiant release attempt

0913 - Send multiple release codes

0915 - On Surface

- Happy Ending, No Drag

PS - The release AR861 888 - managed & released when on deck
- no obvious explanation

DAILY SCIENCE LOG

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Month August			Year 2011				Ship CCGS Vector				Cruise ID 2011-75				
Day	Station Name	Time Local (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 N	Longitude W							
05	IOS Dock	1435		CTD test Ros		1	48°39.263'N	123°27.151'W	8m	5m	—	24	Scott Rose	No	All bottles fired. None leaked.
05	SoG-S-J	1815		MOR		2								N/A	SoG-S-J Mooring recovered.
06	FR1	0245 ^{UTC}	Bo	Ros		3	49°6.690	123°17.101	9m	2	1-2	2	Sophie & Kyle	✓	Late starting pump
06	FR2	0313	Bo	Ros		4	49°6.723	123°18.163	10m	1.5	3-4	2	S&K	✓	
06	FR3	0333	Bo	Ros		5	49°6.391	123°19.585	88	1.8	5-6	2	S&K	✓	
06	FR4	0352	Bo	Ros		6	49°6.683	123°21.019	151	1.8	7-8	2	S&K	✓	
06	FR5	0416	Bo	Ros		7	49°7.080	123°22.393	182	1.8	9-10	2	D&S	✓	
06	FR6	0441	Bo	Ros		8	49°7.381	123°23.798	210	1.8	11-12	2	DK	✓	
06	FR7	0502	Bo	Ros		9	49°7.854	123°25.208	255	1.6	13-14	2	D&S	✓	
06	FR8	0528	Bo	Ros		10	49°8.712	123°28.588	322	1.7	15-16	2	D&S	✓	
06	FR9	0546	Bo	Ros		11	49°9.334	123°30.870	350	1.7	17-18	2	D&S	✓	
06	FR10	0606	Bo	Ros		12	49°9.896	123°32.843	374	1.8	19-20	2	D&S	✓	
06	SoGN-	1434	BE	Ros		13	49°50.232	124°52.356	330	329	45-68	24	K+S	✓	
			Bo	Ros			49°50.230	124°52.369							
		1502	EN	Ros			49°50.233	124°52.374							
07	SoG-N			MOR		14	49°50.190	124°52.252	332	Mooring SoG-N-K Deployed				—	Woohee!
08	SoG-S	1518	BE	Ros		15	49°01.445	123°25.832	316			24			Windows says it is not authentic. CTD programme settings lost.
		1522	Bo				49°01.476	123°25.807	313	310					
		1543	EN				49°01.437	123°25.786							

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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NOTE NISKIN #17 - when venting gurgles and whistles alot
it seems to produce alot of small bubbles in
the line. watch out when taking DO

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