

DAILY LOG BOOK

MISSION
NUMBER

2009-27

DATE:

From: March 31 / 09 to: April 2 / 09

VESSEL:

CCGS Vector.

PROJECT:

ERI- SOG MOORINGS

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

Captain: Don Lee First Officer: Rhanna.
Second Officer: Carrie Third Officer: _____

Mission Participants / Agencies:

Scientific Personnel:

Party Chief: CINDY WILKINS

Watch Cabin

Watch	Cabin
1	1
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98	98
99	99
100	100

Name _____

Second leg of Mission:

Party Chief:

Name

Watch

Cabin

Name _____

Watch Cabin

Cabin

Data logging computer:

Data acquisition program:

CTD deck unit make: SBE model: 11plus serial number: 0424

Primary CTD

Make: SBE model: 9 + serial number: 0550

Primary temperature serial number: 4883

Primary conductivity serial number: 1763

Secondary temperature serial number: 2095

Secondary conductivity serial number: 2754

Transmissometer: WET LABS Model: 1005 DR
s/n: 1005 DR

Fluorometer: Model Sea point Cable gain: 10X s/n: 7356

Oxygen sensor: 3BE Cuckoo gum. 10X s/n: 1119

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

Other sensors: _____ s/n: _____
 _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____
 _____ s/n: _____

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 _____ S/n: _____
Cable gain: _____

Oxygen sensor: _____ s/n: _____
 Cable gain: _____ s/n: _____
 Model: _____

PAR sensor:	Model:	S/n:
PAR sensor:	Model:	S/n:

Other sensors: _____ s/n _____ model. _____
 _____ s/n _____

Other sensors: _____ s/n: _____

Other sensors:

Other sensors: _____ s/n: _____

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

Rosette Setup:

Number of bottles: 24
Manufacturer: _____
Volume of Bottles (litres): _____

Winches:

1. Make:	Model:	Serial #:	used for:
2. Make:	Model:	Serial #:	used for:
3. Make:	Model:	Serial #:	used for:

Comments on performance during cruise:

Salinometer: N/A

Make: _____ Model: _____ Serial #: _____

Comments on performance during cruise:

Oxygen Kit # 2

Comments on performance of kit and chemicals:

Set up by Bernie and Lynda

Thermosalinograph System: N/A

Program: _____ Version: _____

Sampling interval (seconds): _____

Fluorometer sensor serial number: _____

Comments on performance during cruise:

ADCP Setup:

Computer time zone: _____

Sampling interval (seconds): _____

Bin Length (2^x): _____

Pulse Length: _____

Buffer (bytes): _____

Gyro Offset: _____

User Exits: Name: _____

Name: _____

Name: _____

Exit Points:

Exit Points:

Exit Points:

Work File: _____

Comments:

CTD Test Cast Information

Test Cast at IOS Jetty? (optional)

yes ☐

no ☒

Comments: (i.e. how did everything work??)

no time

Test cast in Saanich Inlet? (recommended)

yes ☐

no ☒

If no, give reason:

no time

Comments: (i.e. how did everything work??)

CTD pressure reading on deck (db): -2.3

(Should be 0.0 db $\pm$ 0.5)

Pumps working? yes ☒

no ☐

(i.e., Was the red LED display on the deck unit 0011 and not still 0010?)

Secondary Temp- Primary Temp: _____

(Average from the Mixed Region)

Secondary Salinity- Primary Salinity: _____

(Average from the Mixed Region)

Additional Comments:

5125

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>April</i>				Year <i>2009</i>				Ship <i>Vector</i>				Cruise ID <i>2009-27</i>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
1	SOG N	1419		ROS	US	BE	49 50.056	124 52.147	340		0-6	6			SNOW!
		1429				BO	49 50.09	124 52.11		330					
		1442				EN	49 50.171	124 52.050							
1	SOG N	15:17 -	15:45	SOG N			Retrieval of deployment C								
	SOG N	9:31 -	9:42			056	49 50.138	124 52.123		336					
							Deployment of SOG N Deployment D								rough seas (2m)
															cold wind
							- very rough seas finger in top float may be damaged								ship doing a great
							- conditions for deployment marginal								job!!
															- taking a while to
															get onto station.

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = 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 for each cast, do not use Ammonia products

Daily_log_book.doc

pump not on — re cast overwrote data 15m.

altimeter clicked in ~ 25m above bottom.

7th bottle tripped accidentally at surface

By 8:30 am PST - mooring found, released picked up — wind to building
SOG-IN

8:36 picked up over side

A separate mooring report will be available
with this log and be available from
Tom Suhr2.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year			Ship			Cruise ID					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
2	506S	1413	BE	ROS	US	003	49°01.33N	123°25.07E	3058	298		4		✓	
		1423	BO				49°1.294	123°24.96E							
		1436	EN				49°1.280	123°24.86E							
		1455													
		1504 - 1550													
		1550													
		2108 - BE													
		2118	EN			004	49°01.639	123°25.494	30813						
															</

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Daily_log_book.doc

April 2

ETA

506-S

7:00 PST

- seas and winds relatively calm but

looking to pick up again

8:53 Start to powerwash and turn over

the 150-300m part of the mooring was badly tangled in a heap