

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2012-71

DATE:

From: Oct 17th/2012 to: OCT 21

VESSEL:

Johannessen

PROJECT(S):

SOG MARKINGS

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

WaterProperties.ca

Captain: _____

Second Officer: _____

Fishing Master: _____

First Officer: _____

Third Officer: _____

Mission Participants / Agencies:

[illegible][illegible]

Data logging computer: #7

Data logging computer: #2
 Data acquisition program: SEASAVE
 CTD deck unit make: SBF model: 11+ serial number: 0425

Primary CTD

Make: 5BE model: 9+ serial number: 0506

Primary temperature serial number: 2374

Primary conductivity serial number: 3396

Secondary temperature serial number: 2668

Secondary conductivity serial number: 2754

Transmissometer: WETLABS Model: C-STAR s/n: 1185DR

Fluorometer: Model Seapoint Cable gain: 10x s/n: 2228 P S or NO pump?

Oxygen sensor: SBE Model: 43 s/n: 1119 PS or NO pump?

PAR sensor:	Model:	s/n:
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Other sensors: WETLAB Eco Fluorometer s/n: 2214 P, S or NO pump? NO

Other sensors: \$BE 18 OH s/n: 0692 P. S or NO pump?

Other sensors: _____ s/n: _____

_____ P.S or NO pump?

_____ P.S or NO pump?

Other sensors: _____ s/n: _____

Other sensors: _____ 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:

Fluorometer: Model	Cable gain:
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Oxygen sensor: _____
Model: _____

PAR sensor: _____ Model: _____

Other sensors: _____

Other sensors:

Other sensors:

Other sensors:

Other sensors:

Other sensors:

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

Rosette Setup:

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

Winches:

	Make:	Model:	Serial #:	Used for:
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:

PDT

SOGS - N Mooring Recovery

October 17, 2012

This page is for any notes or observations

1622 On station 1622

- Range 16B4 335 335

- Relocate to position to release

1627 - Range 375 376 377

1628 16B4 + 1655 379 380 Received & executed

1629 - On Surface

SOGN-W Mooring Recovery

Oct. 18, 2012 POT

This page is for any notes or observations

1000 on Station

Range 16BA - 356,356

Move to release location

1010 - 412 413 414

1011 - 16BA + 1655 - 416-417 Received & executed

1012 - On Surface

SCI-A Mooring Recovery Oct 18, 2012

This page is for any notes or observations

1930 UTC On Station

Range 169C - 291 292

1942 Relocated
356 358 359

1943 169C + 1655 369 373 Received & ejected

1944 - On Surface

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page 1 of

Month <u>October</u>			Year <u>2012</u>			Ship <u>Vector</u>			Cruise ID <u>2012-71</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							
17	SoG-S	2241	BE	ROS	US	1	49°1.380'N		316		1-24	24		✓	
		2257	BO				49°1.381			304					7mab
		2314	EN				49°1.381	123°25.664							
17	SoG-S		Mooring Recovery			2									
18	SoG-N		BE	ROS	US	3	49°50.275	124°52.219	320		T-24 ²⁵⁻⁴⁸	24		✓	CTD file #s all off by one. This is 2012-71-0002
		1618	BO				49°50.275	124°52.222		322					5mab
		1637	EN				49°50.320	124°52.187							
19	FR10	1407	BE	ROS	US	4	49°9.886	123°32.826	372	0	67-68	2			The DIC alkalinity
		1409	EN				49°9.888	123°32.812							Rep B has been collected before
19	FR09	1426	BE	ROS	US	5	49°9.307	123°30.886	349		65-66	2		✓	Rep A on the
		1427	EN				49°9.304	123°30.876		0	CP	CP			entire FR transect.
19	FR08	1447	BE	ROS	US	6	49°8.690	123°28.582	321		63-64	2		✓	
		1448	EN				49°8.688	123°28.582		0					
19	FR07	1506	BE	ROS	US	7	49°8.048	123°26.200	281		61-62	2		✓	
		1507	EN				49°8.057	123°26.196		0					
19	FR06	1540	BE	ROS	US	8	49°7.586	123°24.493	229		59-60	2		✓	
		1541	EN				49°7.586	123°24.496		0					
19	FR05	1559	BE	ROS	US	9	49°7.054	123°22.362	181		57-58			✓	
19	FR05	1600	EN				49°7.045	123°22.357		0					

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

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

Notes:

SoGN Rosette - Bottle 11 did not fire.

Extra O_2 taken from bottle 11

~~DATA~~ p TOC, CDOM, DOC taken from bottle 12 (Same depth as 11).

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Page _____ of _____

[illegible]

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