

DAILY LOG BOOK

MISSION
NUMBER

2006 - 01
2006 - 02

DATE:

From: 29 JUNE 2006 to: 22 JULY 2006

VESSEL:

SIR WILFRID LAURIER

PROJECT:

JWACS

25 SEP 2006 - 8 OCT 2006

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

Captain: Mark Taylor First Officer: Steve Kennedy
Second Officer: Fred Third Officer: Van Coppen

Mission Participants / Agencies:

Scientific Personnel:		Party Chief:	
Name	Watch	Cabin	Name
			B. Williams

[illegible]

Second leg of Mission: Party Chief: Humphrey Melling

[illegible]

Data logging computer:

Data acquisition program: Seaseye, Win32 V5.83

CTD deck unit make: SBE model: 33 cove serial number: 33-23108-0058

Primary CTD

Make: SBE25 model: 25 serial number: 0293

Primary temperature serial number: 03-4155 24-Feb-06

Primary conductivity serial number: 04-2607 10-Feb-06

Secondary temperature serial number: None

Secondary conductivity serial number: None

Transmissometer: Sea Tech

Model:

Fluorometer: Model SeaPoint Cable gain: 3x s/n: 2336 P, S or NO pump? UnCal'd

Oxygen sensor: SB E 43 Model: 43 s/n: 43-0615 P, S or NO pump? 8 Feb 06

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

Other sensors: Pressure s/n: 23-Mar-06 29-0464 P, S or NO pump?

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: None 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: _____

Oxygen sensor:	Model:

PAR sensor: _____ Model: _____

Other sensors: _____

Other sensors:

Other sensors: _____

Other sensors:

CTD calibration bottle location (height above CTD in metres): Measure glass -- depends on sampling strategy

Rosette Setup:

Number of bottles: 12
Manufacturer: SeaBed SBE 32-15407
Volume of Bottles (litres): 7

Winches:

1. Make: <u>Hawbolt</u>	Model:	Serial #:	used for:
2. Make:	Model:	Serial #:	used for:
3. Make:	Model:	Serial #:	used for:

Comments on performance during cruise:

Salinometer:

Make: Model: Serial #:

Comments on performance during cruise:

Oxygen Kit #

Comments on performance of kit and chemicals:

Thermosalinograph System:

Program: Sea Save Version: _____
Sampling interval (seconds): 103
Fluorometer sensor serial number: _____

Comments on performance during cruise: Experimental. Temperature biased high by re-circulation Pump freezes up in cold seas

ADCP Setup:

Computer time zone:	<u>None</u>	User Exits:	Name:	Exit Points:
Sampling interval (seconds):	_____		Name:	Exit Points:
Bin Length (2^x):	_____		Name:	Exit Points:
Pulse Length:	_____	Work File:	_____	
Buffer (bytes):	_____			
Gyro Offset:	_____			

Comments:

CTD Test Cast Information

Test Cast at IOS Jetty? (optional)

yes ☐ no ☐

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

Test cast in Saanich Inlet? (recommended)

yes ☐ no ☐

If no, give reason:

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

CTD pressure reading on deck (db): _____

(Should be 0.0 db ± 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:

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Ocean Sciences and Productivity Division

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Month September				Year 2006			Ship Sir Wilfrid Laurier				Cruise ID 2006-02				
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							
29	1HC06-B	1758	BE	CTD		1	70 15.0059	143 57.7380	32						
		1830	EN						2015					No	
		1830				11	70 14.9877	143 57.8601	22+9m		No sampling				
29	1HC06-A	2337	BE	CTD		2	70 21.9709	146° 00.4955	25+5m		NO Sampling			No	
		2350	EN				70 21.8117	146° 00.8449							
30	1HC06-K	0151	BE	CTD		3	70° 17.2887	145° 19.0994	31m		No Sample			No	
		0200	EN				70° 17.2643	145°							
1	BCE	0255	BE	CTD		4	71° 40.6005	154° 58.9375	100+7m		NO SAMPLING			No	
			Bottom				71° 40.5863	154° 58.9546							
		0305	EN				5828	9599						No	
1	BCW	1520	BE	CTD		5	71° 48.062	155° 20.5479	164+5=170m		Test Ros				
							71° 48.0080	155° 20.6671						No	
		1550					71° 48.0139	155° 20.7259							
1	BCC					6								No	
	BCC			CTD			71° 43.9499	155° 09.9248	288m						
2	BCC	733	BE	CTD		6	71° 43.9235	155° 09.7849	288m		Sampling	12 11		No	Salinity samples from
		754	EN				71° 43.9362	155° 09.8440							Bottles #3, #6, #8
2	BCH	1131 502	BE	CTD		7	71° 06.2303	159° 19.8250	179m		Sampling	5		No	Salinity Bottle #3
		1730	11	11			71° 06.2353	159° 19.6107			11				

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

SBE 33 fuse for sea cable blown. Cause traced to seawater short circuit within Impulse connector at lower end of sea cable.
A new pigtail (4-pin) ^{was} spliced on to replace this defective connector before Cast #6 was completed.

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[illegible]

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- ✓ 25
- ✓ 50
- ✓ 75
- ✓ 100
- ✓ 110
- ✓ 125
- ✓ 150
- ✓ 170

- ✓ 25
- ✓ 50
- ✓ 75
- ✓ 100
- ✓ 110
- ✓ 125
- ✓ 150
- ✓ 175
- ✓ bottom

Low or

Middle

High

Barrow

