

CRN

9444

DAILY LOG

INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

Dec. 5-16, 1994

VESSEL

Fx ROSS

PROJECT

SAANICH INLET STUDY

Captain: J Henderson (JH) First Officer: _____

Second Officer: _____ Third Officer: _____

Cruise Participants/Agencies: DJS, DT, RHB

Scientific Personnel: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin
Dec 5 :	DJS, DT + JH	(Bill Crawford AM only)			
Dec 6 - 8 :	DJS, DT + JH				
Dec 9 :	DT, JH + RHB + DJS (for AM only)				
Dec 12 - 13 :	DT, RHB + JH				
Dec 14 :	DJS, DT + JH				
Dec 15 :	DJS, RHB + JH				

Second leg of cruise: Party Chief: _____

Dec 16 : DJS, DT, RHB + JH

Launches used — FX ROSS : Dec 5-8 + Dec 13-16
— NUCLEUS : Dec 9th + 12th

Third leg of cruise: Party Chief: _____

Data logging system: Unit number: _____ Program version: _____

CTD deck unit make: _____ model: 87107 serial no.: 57,160

Computer make: COMPAQ model: 4/25 serial no.: _____

Monitor make: _____ model: _____ serial no.: _____

Printer make: _____ model: _____ serial no.: _____

1st CTD make: Gouldline model: 8705 serial no.: 43825

Temperature sensor model: _____ serial no.: _____

coefficients: slope: _____ offset: _____

Conductivity sensor model: _____ serial no.: _____

coefficients: slope: _____ offset: _____

Pressure sensor range: _____ psi serial no.: _____

coefficients: FSP: 1000 dB offset: _____

Transmissometer model: _____ serial no.: _____

coefficients: slope: _____ offset: _____

Comments: NAVTRAC GPS (Trimble Navigator) Ocean Physics

2nd CTD make: _____ model: _____ serial no.: _____
 Temperature sensor model: _____ serial no.: _____
 coefficients: slope: _____ offset: _____
 Conductivity sensor model: _____ serial no.: _____
 coefficients: slope: _____ offset: _____
 Pressure sensor range: _____ psi serial no.: _____
 coefficients: FSP: _____ dB offset: _____
 Transmissometer model: _____ serial no.: _____
 coefficients: slope: _____ serial no.: _____

WINCHES:

battery operated (2007) physics winch

CTD	make: _____	model: _____	serial no.: _____
counter	make: _____	model: _____	serial no.: _____
HYDRO	make: _____	model: _____	serial no.: _____
counter	make: _____	model: _____	serial no.: _____
Spooling	make: _____	model: _____	serial no.: _____
Drag	make: _____	model: _____	serial no.: _____
Other	make: _____	model: _____	serial no.: _____

Salinometer make: _____ model: _____ serial no.: _____

SAIL System:

Program version: _____ Time zone: _____
 Sampling interval: _____ sec.
 CTF module no.: _____ serial no.: _____
 Remote temperature model: _____ serial no.: _____
 Flow sensor model: _____ serial no.: _____
 Other sensors: (special for this cruise)
 Name: _____ module I.D.: _____ serial no.: _____
 Name: _____ module I.D.: _____ serial no.: _____

Comments:

ADCP Setup:

Program version: _____ number of depth bins: _____
 Time zone: _____ bin length (2"): _____
 Sampling interval: _____ sec. pulse length: _____
 Blank beyond transmit: _____ pings per ensemble: _____
 Pulse cycle time: _____
 Percent pings good threshold: _____

Comments:

9444

CTD LOG

Wed Dec 07 94

Cons#001

S1-

Lat: 48° 31.241

Long: 123° 32.31

Time: 22:13 7/12/94

P_{sec} = 0.9

Stop Time 22:17

Max Depth 150m

*WAD83 Chart Datum.

S2

Cons#002

Lat: 48° 33.42

Long 123° 30.80

Time: 2252 7/12/94

P_{sec} = 1.2

Stop Time 2258

Max Depth 201m

Salinity Sample #1 at 201m at 2258

RT's 798

9.424

679

9.423

P# 2099

201.9 db.

S3

Cons#003

Lat 48° 35.36

Long 123° 30.12

Time 23:27 7/12/94

P_{sec} 1.2

Stop Time 2333

Max Depth 219

Salinity Sample #2 at 2333 at 219m

RT's 798

9.434

1

679

9.434

P# 2099

219.4 db.

S4

Cons#004

Lat 48° 37.31

Long 123° 29.89

Time 0001 8/12/94

P_{sec} 0.9

Stop time 0005

Max Depth

* Note clock on Compag Computer set to PDT. *

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[illegible]

Dec 13

Active Groups

	<u>Tr</u>	<u>PH</u>	
01	✓	✗	brendwood freight
22	✓	✓	N of Senanus
30	✓	✗	Gravally Leach
32	✓	✓	Yarrow Pt
33	✓	✓	Sheppard Pt
34	✓	✓	off Coles bay - middle of channel
37	✓	✗	down elbow Pt 1 mile in
39	✓	✓	
40	✓	✓	Pat Bay

→
Visits
✗

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[illegible]

S5 calibration thermometers
Sol. sample #6

#798	9.440
#679	9.440
P2099	181.7 db

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YEAR	1994	MONTH	DEC	TIME ZONE	UTC	FX ROSS	CRUISE	9444	PAGE	OF
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DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
14	S4d	44	2128		24	2128							$P_{src} = 0.7$
14	S4c	30	2135		25	2136							$P_{src} = 0.8$
14	S4	219	2144		26	2148	2154	#7					$P_{src} = 0.8$ Sal Sample at 2110
14	S4b	186	2207		27	2207							$P_{src} = 0.7$ raining
14	S4a	71	2223		28	2224							
14	S3		2305		29	2307							$P_{src} = 0.8$ Tied up with M57 Doing comparison cast
15	S8	90	1807		30	1809							$P_{src} = 0.2$

Salinity Sample #7

Calibration Thermometers

#798

9.441

#679

9.434

2099

213.8 db

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[illegible]

Cal Sample #8 at SS

#798	—	low battery
#679	9.443	°C
#2099	180.2	dB

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YEAR	1994	MONTH	DEC	TIME ZONE	UTC	CRUISE	9444	PAGE	OF
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[illegible]

Calibration Sample #9 at S4

#679	9.435
#2099	212.1 db

Sample #10 at S3

#679	9.435
#2099	218.0 db

Calibration Data

[illegible]