

CRUISE
NUMBER

9541

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

NOV. 20 - 24, 1995

VESSEL

VECTOR

PROJECT

SAANICH INLET STUDY

Captain: John Anderson First Officer: _____
Second Officer: _____ Third Officer: _____

Cruise Participants / Agencies:

Scientific Personnel: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin
<u>D. Stucki</u>	_____	_____	_____	_____	_____
<u>B. Minkley</u>	_____	_____	_____	_____	_____
<u>T. Jahasz</u>	_____	_____	_____	_____	_____
<u>Doug Anderson (Coop Student)</u>	_____	_____	_____	_____	_____
<u>G. Chase</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Second leg of cruise: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin
<u>Frank Whitney</u>	_____	_____	_____	_____	_____
<u>John Bullister (PNBL)</u>	_____	_____	_____	_____	_____
<u>Wendy Richards</u>	_____	_____	_____	_____	_____
<u>John Love</u>	_____	_____	_____	_____	_____
<u>Jim Powell(?) Aguarutrix</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Data logging system: Unit no.: _____

Program Name: CTD.EXE Program version: 1.40
CTD deck unit make: Guildline model: 87107 serial no.: 58,995
Computer make: DELL model: 450DE serial no.: 115NH

1st CTD make: Guildline model: 8715 serial no.: 58,483
Temperature sensor model: 87401 serial no.: 57,915
coefficients: slope: 0.99928 offset: 0.045687
Conductivity sensor model: 87410 serial no.: 58,814
coefficients: slope: 0.998851 offset: -0.00144
Pressure sensor range: _____ psi serial no.: _____
coefficients: FSP: _____ dB offset: _____
Transmissometer model: SEATECH serial no.: I501215
coefficients: slope: -2.03955 offset: 161.7776

Comments: _____

2nd CTD make: Guldlia model: 8715 serial no.: 53,501
Temperature sensor model: 87401 serial no.: 53,237
coefficients: slope: _____ offset: _____
Conductivity sensor model: 87,410 serial no.: 52,474
coefficients: slope: _____ offset: _____
Pressure sensor range: _____ psi serial no.: _____
coefficients: FSP: _____ dB offset: _____
Transmissometer model: _____ serial no.: _____
coefficients: slope: _____ offset: _____

Winches:

1. make: _____	model: _____	serial no.: _____	use: _____
2. make: _____	model: _____	serial no.: _____	use: _____
3. make: _____	model: _____	serial no.: _____	use: _____
4. make: _____	model: _____	serial no.: _____	use: _____
5. make: _____	model: _____	serial no.: _____	use: _____
6. make: _____	model: _____	serial no.: _____	use: _____
7. make: _____	model: _____	serial no.: _____	use: _____

Salinometer: make: Guldlia model: PortaSal serial no.: 58 879

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 ID: _____ serial no.: _____
Name: _____ module ID: _____ serial no.: _____
Name: _____ module ID: _____ serial no.: _____

Comments: _____

ADCP Setup:

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

Comments: _____

YEAR1995

MONTHNov

SHIPVECTOR

CRUISE9541

PAGE1

OF4

DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
21	S1	CTD/ ROS	17:19		001*									Downcast, $P_0 = -1$
									Noisey data suspect slip rings!					
	S1		17:23		002*						1 →			Upcast for samples
									- Program hung at 60m					
									- Salinity offscale					
	S1		17:32		003*						→ 9			Upcast from 60m.
	S2		18:13		004 ⁺				Changed CTD's now, its 58,483					Downcast, $P_0 = 0.2$
									Slip ring noise still present					
	S2		18:17		005 ⁺						10 - 24			Upcast for samples
									- Bernard cleaning slip ring but still noisy. He used contact cleaner and then added new oil					
	S3		19:22		006 ⁺				227m					Downcast, $P_0 = 0.5$
									Noise still present on all channels					
	S3		19:28		007 ⁺						25 - 39			Upcast, $P_0 = -0.5$
									- Sat boat to JDS to pick up spare slip ring assembly,					
									- Bernard + George remaking splice on armored cable at the winch end.					

CAST TYPE - BOT - bottle cast
CTD - ctd
MOR - mooring

ROS - rosette
NET - net haul
DRF - drifter

USW - sea water loop

TIME CODE - BE - beginning time of cast
BO - bottom time of cast
EN - end of cast

DE - deployment time
MR - messenger release
RE - recover mooring

POSITION CODE - RAD - RADAR
GPS - GLOBAL
LOR - LORAN

* USING CTD # 53,501

+ CTD # 58,483

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[illegible]

CAST TYPE -	BOT -	bottle cast	ROS -	rosette
	CTD -	ctd	NET -	net haul
	MOR -	mooring	DRF -	drifter

+ = CTD # 58,463

TIME CODE -	BE -	beginning time of cast	DE -	deployment time
	BO -	bottom time of cast	MR -	messenger release
	EN -	end of cast	RE -	recover mooring

POSITION CODE -	RAD -	RADAR
	GPS -	GLOBAL
	LOR -	LORAN

+ CTD/ROS cast using J. Bullitt's bottles #1 to #13 but left #4 & #6 of our own.

23/11/98

- S8 - I reconnected the transmissometer to the CTD/rosette system.
- We will determine if noise is from transmissometer or deck unit.

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		NOV		VECTOR		9541		3		4				
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
22	S3	CTD + ROS	1811	BE	14	48 35.286	123 30.225	GPS	225					
			1815	BO	14-15									
	S3		1827	EN	15	48 35.278	123 30.350	GPS			76-93	18		Upcast for samples
22	S6		2056	BE	16	48 41.58	123 30.13	GPS	73m					
	"		2058	BO	17	48 41.59	123 30.11				94-101	8		Upcast, 8 bottles tripped
23	S8		17:16	BE	018					93				Downcast, $P_0 = 3.6$
			17:18		019						102-110			Upcast for samples
23	S7		18:01	BE	020				86m					Downcast, $P_0 = 2.7$
			18:03		021						111-119			Upcast
23	S5a		18:45		022				62m					hit bottom Downcast, $P_0 = 2.7$
			18:48		023						120-126			Upcast for samples
23	S5b		19:16		024				156m					Downcast, $P_0 = 3.3$
			19:20		025						127-140			Upcast for samples

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		NOV		VECTOR		95-41		4		4				
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
23	S5*		20:23		026				184m					Downcast, $P_0=3$
	S5*		20:26		027						141-155			Upcast for samples
23	S5c		21:07		028				78m					Downcast, $P_0=2.5$
			21:10		029						156-164			Upcast for samples
23	S5d		21:40		030				28m					Downcast, $P_0=30$
			21:42		031						165-168			Upcast
23	S4		22:04		032				215					Downcast, $P_0=2.7$
			22:09		033						169-182			Upcast for samples
23	S3		22:47		034				226					Downcast, $P_0=3$
			22:53		035						183-197			Upcast
23	S2		23:33		036				217					Downcast, $P_0=3$
			23:38		037						198-211			Upcast for samples

CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW -

sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

* Entered as S5B should be S5