CRN 91-01

DAILY LOG

INSTITUTE OF OCEAN SCIENCES

OCEAN PHYSICS

DATE JAN 7th 1991

VESSEL

PROJECT 91-01

Captain: P. Frost. First Officer: J. Campbell
Second Officer: B. Pennell Third Officer: P. Murphy

Cruise Participants/Agencies:
IOS - Tides & Currents, Ocean Physics

Scientific Personnel: Party Chief: M.J. Woodward A

name	watch	cabin	name	watch	cabin
B.R. de Lange Boom	4-8	B	J. Love	12-4	G
L.W. Dorosh	12-4	C			
A.N. Douglas	8-12	D			
N.A. Sutherland	8-12	E			
K.R. Halcro	12-4	F			
C. Hannah	4-8	F			
second leg of cruise:			Party Chief:		
third leg of cruise:			Party Chief:		

DATA LOGGING SYSTEM: Unit number: program ver.
CTD deck unit make: GUILD model: 87107 serial no.: 56610
Computer make: HP model: VECTRA serial no.: 2945A
monitor make: NEC 2A model: serial no.:
printer make: 1212A model: serial no.:

1st CTD make: GUILDLINE model: serial no.: 53501
temperature sensor model: serial no.:
coefficients: slope: 1 offset: 0
conductivity sensor model: serial no.:
coefficients: slope: 1 offset: 0
pressure sensor range: 3000 psi serial no.:
coefficients: FSP: 2000 dB offset: 3
transmissometer model: serial no.: 197
coefficients: slope: -2.0886 offset: 104.430
Comments:

2nd CTD make: NOT USED 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:_____ offset:_____
Comments:_____

WINCHES:

CTD	make:_____	model: 3/0	serial no.: 1433
counter	make: REV	model: 8750	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: C SAIL time zone: UTC
sampling interval: 2 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^X):_____
sampling interval:_____ sec. pulse length:_____
blank beyond transmit:_____ pings per ensemble:_____
pulse cycle time:_____
percent pings good threshold:_____
Comments:_____

CALIBRATION SUMMARY

Probe	Digital Therm	Mer Therm #5957	Mere Therm 6554	SAL#
6.994	6.997	9.1/7.02 6.98	———	2

Due to bad weather the main CTD program was not executed.

Only 1 calibration sample early in cruise was taken complete with 7 loop samples.

Calibration cast Con # 3 was a separate file at approximately 15 metre.

During the 4 day stay in Port Hardy the RDI system was switched off

The sail loop and flourometer was left running.

Ocean Ecology was notified regarding the flourometer calibration samples

The RDI system was switched on for the run from Port Hardy via Inside passage (Johnstone Strait) to I 0.5

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YEAR 1991	MONTH Jan	TIME ZONE UTC	SHIP Parizeau	CRUISE 91-01	PAGE 1 OF

DAY	STATION NUMBER	DEPTH SOUNDING (M)	SHIP STOP/START TIME	LATITUDE/LONGITUDE	STD CONSEC. #/DEPTH	STD TIME	HYDRO CONSEC. #/DEPTH	MESSENGER TIME	SALINITY #/CALIBRATION LOOP OR DEPTH	OXYGEN #	SURFACE TEMPERATURE/ SALINITY			NOTES
											SAIL			
~~8~~ 9	WH7	190		50°28.1	1	0215					31.385			de Lange Boom, Hannah
			0227	128°53	170						6.999			
9	WH06	268	0302	5030	2			1	31.846					
								Loop						
9	WH06	268		50 30 70	3	0327	0326	2	31.786	7.040				
			03 29	128 46 17	13			13		31.406				Calibration bottles
9	WH05	289	0400	50 32 92	4	0403		3	31.316	7.112				
				128 41 08						30.882				
9	WH04	192	0438		5	0443				7.178				
										30.895				
9	WH03	157	0516	50 37.01	6	0520		4	31.293	7.290				calibin bottle
				128 31.0				Loop		30.874				Loop
9	WH02	95	0548	50 28 13	7	0552				7.545				
				128 26.75						30.643				
9	WH01	40	0613	50° 39.21	8	0618				7.338				
				128°23.90						30.604				
9	JS14	100	2359	50°47.30	9	0002								
				128°47.70										
10	JS13	100	0055	50° 49.762	10	0056		5	31.479	7,437				Loop @ 0107 Z
			0103	128° 58.44				Loop		31,077				
10	JS12	54	0202	50° 52.96	11	0203				6.894				
			0208	129° 08.24						31.355				
10	JS11	180	0310	50° 59.76	12	0312		6	32.120	7.617				LOOP @ 0327 Z
			0322	129°20.54				Loop		31.711				

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YEAR 91	MONTH Jan	TIME ZONE	SHIP	CRUISE 91-01	PAGE 2 OF

DAY	STATION NUMBER	DEPTH SOUNDING (M)	SHIP STOP/START TIME	LATITUDE/LONGITUDE	STD CONSEC #/DEPTH	STD TIME	HYDRO CONSEC #/DEPTH	MESSENGER TIME	SALINITY #/CALIBRATION LOOP OR DEPTH	OXYGEN #	SURFACE TEMPERATURE/ SALINITY			NOTES
10	JS10	260	432	51 07.4 129 34.3	13	436				6.883 31.453				
10	JS09	267	59	51 15.6 129 49.30	14	602				6.749 31.581				
~~10~~	~~JS08~~													
				JS Station										
19	NEWSTN	430		50 30.32 126 35.08	15	1908			7 30255 LOOP					