

CRN

9340

DAILY LOG

INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE 15 to 26 Nov, 1993

VESSEL R.B. YOUNG

PROJECT ALBERNI

Captain: Mike Wheeler

First Officer: JOHN - MATE , WAYNE - DECK
ROMAN - ENG , RANDY - DECK
PHIL - COOK

Second Officer: _____

Third Officer: _____

Cruise Participants/Agencies: _____

Scientific Personnel: Party Chief: DARIO STUCCI

Name

Watch Cabin

Name

Watch Cabin

D. Stucchi

D. Tuole

Second leg of cruise: Party Chief: _____

Third leg of cruise: Party Chief: _____

Data logging system: Unit number: System #1

Program version: 1.26

CTD deck unit make: Guildline

model: 87107

serial no.: 58610

Computer make: HP VEC-1

model: VECTRA 98/00

serial no.: 2945A07169

Monitor make: NEC

model: Multisync 2A

serial no.: _____

Printer make: Roland

model: PR 1212A

serial no.: _____

1st CTD make: Guildline

model: 8705

serial no.: 53,501

Temperature sensor

model: _____

serial no.: _____

coefficients: slope: 1.0

offset: 0.0099

Conductivity sensor

model: _____

serial no.: _____

coefficients: slope: 1.0006

offset: -0.0006

Pressure sensor range: _____

psi

serial no.: _____

coefficients: FSP: 2000

dB

offset: -1.13

Transmissometer

model: /

serial no.: /

coefficients: slope: /

offset: /

Comments: _____

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:

Ocean Ecology's 7cm diameter 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^x): _____
 Sampling interval: _____ sec. pulse length: _____
 Blank beyond transmit: _____ pings per ensemble: _____
 Pulse cycle time: _____
 Percent pings good threshold: _____

Comments:

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YEAR 1993 MONTH NOV TIME ZONE UTC SHIP R. B. YOUNG CRUISE 9340 PAGE 1 OF

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
15	DECK (JG72)				001	?	?						Test of CTD/rosette system on deck
15	DOCK (JG72)				002	?	?						Test of CTD/rosette system in water.
													oil 10 bottles tripped - OK
													but end cell reads 0.00.
16	SAAN	190	Temp. data incorrect		003	0052							$V_0 = -2.5$
					004	0102							T sensor not working.
													Tripped all bottles at 150m
													Daron greased all connectors on CTD/rosette
	SAAN	184	0235		005	0236							$P_0 = -1.7$
													Up + down T profile appears to be OK
													will try PARB with 5300 tomorrow
													Upcast not logged
													$P_0 = -2.1$
													* note time on CTD files is out by one hour *
													slowly one hour
													* used SETIME to reset system time to UTC *
													but at sometime the clock of the computer
													was incorrectly set one hour slow.

PA13

Salinity sample #2 at 15m.

9.

RT451	9.901	9.905
P2099	14.1 db.	
TU46	9.902	9.904

PA10

Cal sample #3 at 100m.

#11

RT451	9.287	9.291
P2099	103.5	
T446	9.285	9.287

9.289

DAILY LOG

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YEAR 1993

MONTH NOV

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SHIP R. B. YOUNG

CRUISE 9340

PAGE 2 OF 2

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PA07

Cal sample #4 at 100m

18

T 451	9.240	9.244
P 2099	102.6 db.	
T 446	9.242	9.244

PA05

Cal sample #5 at 70m

19

- no Salinity sample bottle lanyard hung up
- RT's OK

T 451	9.304	9.308
P 2099	69.9	
T 446	9.306	9.308

PA05

Cal. sample #6 at 70m
Sal sample #6

21

T 451	9.304	9.308
P 2099	20.3	
T 446	9.306	9.308

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PA04

Cal sample #7 at 55m

(23)	T451	9.318	9.322
	P2209	57.1db	
	T446	9.319	9.321

PA03

Cal sample #8 at 30m

(27)	T451	9.431	9.435
	P2209	32.1db	
	T446	9.431	9.433

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Cal sample #10 at 8 m

33

T451	10.046	10.050
P2099	7.9	
T446	10.044	10.046

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DAILY LOG

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YEAR	1993	MONTH	11	TIME ZONE	GMT	SHIP	Young	CRUISE	9340	PAGE	OF		
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
20	I15	13		037	1851								Downcast near chamber 215
				038	1854	38		#15					Psurf = -2.0
								Sal & RT cells					Upcast for oxy sample
								T451 = 9.922°C					Psurf = -1.9
								P2099 = 12.1db					9.926
								T446 = 9.926°C					9.928
21	F11	7		039	1851								Downcast
													Psurf = -2.5
				040	1852	040		#18 at 8m.					Upcast for oxy sample.
								T451 = 9.760	9.764				Psurf = -2.6
								P2099 = 6.5db					
								T446 = 9.767	9.764				
22	K12	17		041	1817	041							Downcast
													Psurf = -3.2
				042	1820	042		#21					blank card!
								T451 = 9.688	9.692				ignore it!
				043	1822	043		#21	P2099 = 15.9db				Upcast for oxy sample
								T446 = 9.690	9.692				Psurf =

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DAILY LOG

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YEAR	93	MONTH	11	TIME ZONE	UTC	SHIP	RB YOUNG	CRUISE	9340	PAGE	OF		
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
25	PA07			064	2029	64		28	T451 = 9.296 P20995 = 104.7 T446 = 9.217		9300 9299		Upcast w. rosettes at 105, 75, 60, 50, 40, 35, 30, 25, 20, 15 down + upcast rosette w. samples at 10, 8, 6, 4, 2, 0 m. (srfc p = -1.4)
25	PA10	114	2105	49 09.20 124 48.17	065	2056							Downcast Srfc. p = -1.4
				066	2122			29	T451 = 9.227 P20995 = 112.7 T446 = 9.228		9231 9.230		Upcast w. rosettes at 113, 100, 75, 60, 50, 40, 35, 30, 25, 20 down + upcast rosette w. samples at 15, 10, 8, 6, 4, 2, 0 m. Srfc. p = -1.3
25	PA13	136	2206	49 07.73 124 48.49	067	2128	67						Downcast Srfc p = -1.3
				070	2231	70		30	T451 = 9.203 P20995 = 134.5 T446 = 9.205		9.207 9.207		Upcast w. rosettes at 134, 125, 100, 75, 60, 50, 40, 35, 30, 25 down + upcasts rosette samples at 20, 15, 10, 8, 6, 4, 2, 0 m. (srfc p = -1.5)
25	PA22	268	2312	49 03.32 124 50.38	069	2226							Downcast Srfc p = -1.3
				072	2345			31	T451 = 8.358 P20995 = 265.1 T446 = 8.360		8.362 8.362		Upcast w. rosettes at 265, 250, 200, 150, 125, 100, 75, 60, 50, 40 down + upcast rosette samples at 35, 30, 25, 20, 15, 10, 8, 6, 4, 2 m. (srfc = -1.4)
26				073	2357	73							rosette cast @ srfc.
				074	0025								
				075	0043								
				0046									

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