

CRUISE
NUMBER

9748

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

Dec 15 - 1997

VESSEL

J. P. Tully

PROJECT

El Niño / La Perouse

Captain: John Anderson / Paul Frost

Second Officer: Shane

Cruise Participants / Agencies:

Scientific Personnel: Party Chief: David Spear

First Officer: _____

Third Officer: Red

Name

Doug Anderson

Watch

Cabin

Name

Watch

Cabin

Second leg of cruise: Party Chief: _____

Name

Watch

Cabin

Name

Watch

Cabin

Data logging system: Unit no.: _____

Program Name: _____

Program version: _____

CTD deck unit make: _____

model: _____

serial no.: _____

Computer make: _____

model: _____

serial no.: _____

1st CTD make: Seabird

model: 19

serial no.: 17466

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: _____

DAILY LOG

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YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1997			December			Tully			9748			1			
DAY (UTC)	STATION ID	CAST TYPE	TIME (PST)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	File CONSEC SAMPLE # (hex)	# OF BOTTLES	INIT	COMMENTS	
97/12/18	E03	CTD	1531	BO	001	49°05.580	126°51.216	DGPS	470m	460m	974800			Done just after deployment of	
	LG4	CTD	1647	BE	002	49°11.241	126 49.648	DGPS	150m	145	974801			E03-Z-2	
	LG3	CTD	1740	BE	003	49 15.060	126 43.731	DGPS	119m	115	974802				
97/12/20	MUC6	CTD	0930	BE	004	49 35.783	126 35.661	DGPS	118	110	974803				
	TLU1	CTD	1102	BE	005	49 41.600	126 30.980	DGPS	260	255	974804				
	MUC5	CTD	1210	BE	006	49 38.946	126 28.572	DGPS	212	~85-90	974805			Aborted @ ~85m winch... leaking	
	MUC5	CTD	1228	BE	007	49 39.071	126 28.380	GPS	215	210	974806				
	MUC4	CTD	1328	BE	008	49°38.500	126°20.688	GPS	288	270	974807				
	MUC3	CTD	1415	BE	009	49°39.043	126°14.433	GPS	364	355	974808				
	MUC2	CTD	1507	BE	010	49 40.208	126 09.522	GPS	365	355	974809				
	MUC5km	CTD	1604	BE	011	49 39.008	126 05.501	GPS	173	168	974810				
	MUC1	CTD	1639	BE	012	49 37.520	126 03.628	GPS	132	125	974811			Downloaded All Casts and Emptied Memory	
97/12/21	LG01	CTD	1315	BE	013	49 20.480	126 35.070	GPS	54	50	9748LG00			Wind ~5-10Kn Sunny	
	LG02	CTD	1344	BE	014	49°18.677	126 38.040	GPS	100	95	9748LG01			Possibly another very short data file created (Doug did it)	
	LG03	CTD	1428	BE	015	49 15.016	126 43.680	GPS	120	115	9748LG02			Left on between stations could be 2 casts combined	
	LG05	CTD	1629	BE	016	49 07.376	126 55.200	GPS	275	270	9748LG03				
	LG07	CTD	1758	BE	017	48 59.406	127 07.040	GPS	1780	600m	9748LG04			SOF 19 only rated to 600m (wind getting up)	
97/12/23	A-2	CTD	1001	BE	018	48 30.386	126 12.512	GPS	525	520	9748A05			CTD after A-2 Deployment	

CAST TYPE -

BOT -

CTD -

MOR -

bottle cast

ctd

mooring

ROS -

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 cast

DE -

MR -

RE -

deployment time

messenger release

recover mooring

POSITION CODE -

RAD -

GPS -

LOR -

RADAR

GLOBAL

LORAN

Deployment of E03-Z-2 Dec 18, 1997

Mooring Prepared while steaming to station

On Station 1400

Start Deployment 1423 - 35m RCM4 1429 - 100m RCM4 1431 - 175m RCM4 1440 - 400m RCM4

Dropped Wheels at 1446

Depth = 497m

Latitude = $49^{\circ}04.492'$

Longitude = $126^{\circ}57.515'$

Deployment of A-2

Start Assembly 0745

Final Deck Check 0900

First meter in water 0924

Second meter in water 0927

Having a lot of difficulty getting reliable soundings

Wheels Dropped 4830.250

12612.360

Depth 507m