

CRUISE
NUMBER

95-01

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

7 Feb to

VESSEL

J. P. Tully

PROJECT

Line P. Papa

CTD Cruise 95-01

*** Summary Report ***
Page 1

12-FEB-1996

Filename	Consec#	Station	Latitude	Longitude	Date	Time	
X95010002.CTD	002	MP01	48 17.26 N	123 48.06 W	1995/02/08	06:50 UTC	
X95010003.CTD	003	MP02	35.99 48 34.52 N	125 30.95 W	1995/02/08	09:05 UTC	
95010005.CTD	005	MP03	48 37.48 N	126 19.96 W	1995/02/09	10:16 UTC	
95010006.CTD	006	MP04	48 39.20 N	126 40.21 W	1995/02/09	12:35 UTC	
95010008.CTD	008	MP05	48 41.75 N	127 10.00 W	1995/02/09	16:00 UTC	
95010010.CTD	010	MP06	44.5 48 44.29 N	127 36.77 W	1995/02/09	19:35 UTC	39.88
95010012.CTD	012	MP07	48 46.73 N	128 10.18 W	1995/02/09	23:42 UTC	
95010014.CTD	014	MP08	48 48.96 N	128 39.93 W	1995/02/10	03:39 UTC	
95010016.CTD	016	MP09	48 51.43 N	129 9.61 W	1995/02/10	07:04 UTC	
95010018.CTD	018	MP10	48 53.60 N	129 39.90 W	1995/02/10	10:38 UTC	
95010020.CTD	020	MP11	48 56.14 N	130 10.29 W	1995/02/10	13:56 UTC	
95010022.CTD	022	MP12	48 58.23 N	130 39.89 W	1995/02/10	17:23 UTC	
95010024.CTD	024	MP13	49 2.57 N	131 39.94 W	1995/02/11	00:48 UTC	
95010026.CTD	026	MP14	49 7.85 N	132 40.04 W	1995/02/11	06:32 UTC	
95010028.CTD	028	MP15	49 11.96 N	133 40.12 W	1995/02/11	12:03 UTC	
95010030.CTD	030	MP16	49 16.88 N	134 40.23 W	1995/02/12	03:24 UTC	
95010032.CTD	032	MP17	49 20.86 N	135 39.57 W	1995/02/12	09:29 UTC	39.82
95010034.CTD	034	MP18	26 49 21.02 N	136 39.69 W	1995/02/12	16:57 UTC	40.40
95010036.CTD	036	MP19	49 29.92 N	137 40.18 W	1995/02/13	03:15 UTC	
95010038.CTD	038	MP20	49 33.92 N	138 40.03 W	1995/02/13	09:56 UTC	
95010040.CTD	040	MP21	49 38.20 N	139 40.07 W	1995/02/13	15:45 UTC	
42.04 95010042.CTD	042	MP22	49 41.48 N	140 33.49 W	1995/02/13	21:28 UTC	40.45
95010044.CTD	044	MP23	49 45.97 N	141 39.73 W	1995/02/14	03:12 UTC	40.07
50.16 95010046.CTD	046	MP24	49 46.28 N	141 40.59 W	1995/02/14	08:43 UTC	40.49
95010048.CTD	048	MP25	49 59.99 N	143 36.34 W	1995/02/14	15:22 UTC	39.88
95010050.CTD	050	MP35	50 0.04 N	144 17.79 W	1995/02/14	19:45 UTC	18.17
95010052.CTD	052	MP26	49 59.13 N	144 0.00 W	1995/02/15	05:01 UTC	
95010054.CTD	054	MP26	50 0.48 N	144 59.61 W	1995/02/15	06:47 UTC	
00.06 95010058.CTD	058	MP26	50 1.27 N	144 0.22 W	1995/02/15	16:58 UTC	59.65
95010060.CTD	060	MP39	50 0.29 N	145 0.05 W	1995/02/16	04:50 UTC	59.98
01.99 95010061.CTD	061	MP39	50 0.29 N	145 0.05 W	1995/02/16	06:19 UTC	58.29
95010064.CTD	064	MP30	50 0.05 N	146 23.67 W	1995/02/16	09:45 UTC	
95010066.CTD	066	W150	50 0.04 N	147 5.73 W	1995/02/16	13:46 UTC	
27.14 95010068.CTD	068	MP41	50 26.95 N	144 59.99 W	1995/02/18	00:25 UTC	59.90
95010070.CTD	070	MP32	50 53.97 N	144 59.97 W	1995/02/18	04:39 UTC	59.86

Corrections made Mar 9, 2001. J.

9501xref.lis

95010072.CTD	072	N150 ✓	50 55.37 N	144 56.80 W	1995/02/18 08:57 UTC
			51 20.96	145 00.04	

Captain: Al Combs First Officer: Brian Pennell 95-01
 Second Officer: AL LINDEN Third Officer: Bill Doherty
 Cruise Participants / Agencies: IOS, UBC
 Scientific Personnel: Party Chief: Frank Whitney

Name	Watch	Cabin	Name	Watch	Cabin
Frank Whitney		A			
Tim Soutar	12-4	F			
Bernard Minkley	4-8	E			
John Love	8-12	S			
Reg Bigham	4-8	D			
Tracy Feeney	8-12	C			
Hugh Maclean	12-4	G			
Philip Boyd UBC		H			
Robert GOLDBLATT UBC		H			

Second leg of cruise: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin

Data logging system: Unit no.: _____

Program Name: CTD.EXE

Program version: 1.35 1.Sep 94

CTD deck unit make: Guildline

model: 87108

serial no.: _____

Computer make: Dell

model: 450DE

serial no.: _____

1st CTD make: Guildline

model: WOCKE

serial no.: 59901

Temperature sensor

model: _____

serial no.: _____

coefficients: slope: 1.0

offset: 0

Conductivity sensor

model: _____

serial no.: _____

coefficients: slope: 1.0

offset: 0

Pressure sensor range: 6000 psi

serial no.: _____

coefficients: FSP: _____ dB

offset: _____

Transmissometer

model: _____

serial no.: _____

coefficients: slope: _____

offset: _____

Comments: _____

CTD s/n 58483 3000 psi Temp m/n 87401 s/n 57915

and m/n 87410 s/n 58814

2nd CTD make: Guildline model: C706 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: _____

Winches:

1. make: <u>Swann</u>	model: <u>329</u>	serial no.: <u>1483</u>	use: <u>CTD backup</u>
2. make: <u>Swann</u>	model: <u>329</u>	serial no.: <u>1307</u>	use: <u>CTD/Rosette</u>
3. make: <u>Swann</u>	model: <u>329</u>	serial no.: <u>1207</u>	use: <u>empty drum moving</u>
4. make: <u>Swann electric</u>	model: <u>455</u>	serial no.: <u>1451</u>	use: <u>empty drum moving</u>
5. make: <u>Swann</u>	model: <u>420</u>	serial no.: <u>1432</u>	use: <u>hydra</u>
6. make: _____	model: _____	serial no.: _____	use: _____
7. make: _____	model: _____	serial no.: _____	use: _____

Salinometer: make: Guildline model: 8410 serial no.: 59724

SAIL System:

Program version: _____ Time zone: UTC

Sampling interval: 120 sec

CTF module no.: _____ serial no.: _____

Remote temperature model: — serial no.: _____

Flow sensor model: _____ serial no.: _____

Other sensors: (special for this cruise)

Name: Fluoro-S module ID: _____ serial no.: _____

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

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

Comments: CTF module data string modified by John Love Feb 7/95

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: Setup done by Howard Freedland.

Sytech counter pickup, both magnets same polarity

Boat and fine drill

7 Feb. 95

depart IOS.

1503 JFI SAMPLED SAL, CHL & NUT.

1643 JFO2 loop samples.

1843 JFO3 loop samples.

Note MPI station is File #2 there is no file #1

Oxygen Temp sensor model 90600-30, Oakton, with orange thermistor cable

12-4 Watch.

MPO3

(87107 CTD Deck unit.)

Computer and deck unit set up for single CTD cast using
58483 CTD probe only (No rosette) Consec # 5.

NOTE

MPO4 ROSETTE cast change over power and serial cables
to 87108 CTD deck unit. Power up rosette CTD probe 15 to
20 min before cast.

MPO3 - DEPTH COMING UP/NO FINGER TRACE - STOPPED @ 790 (DEPTH 4800)

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR	MONTH				SHIP	CRUISE				PAGE	OF			
1995	Feb				J.P. Tully	9501				1				
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
7	JFO1	USW	2303		—						L1			loop samples #1.
8	JFO2	USW	0143		—						L2			loop #2
8	JFO3	USW	0243		—	48 27.04	124 30.11				L3			loop #3
8	JFO4	USW	0445		—	48 32.3	125 00				L4			Loop #4
8	MP01	CTD	0650	BE	2	48 34.49	125 30.08		135.4	132				CTD ONLY
8	MP01	USW	0656	EN	—	48 34.467	125 30.180				L5			loop #5
8	MP02	USW	0859	—	3	48 35.924	125 58.930				L6			Loop #6
8	MP02	CTD	0906	BE	3	48° 35.999	125° 00.005		115.6	110 m				CTD ONLY
8	MP03	USW	1033	—	—	48° 37.486	126° 19.986				L7			Loop #7
8	MP03	CTD	1039	BE	4	48° 37.481	126° 20.028		826 m	585				CTD ONLY ABORTED
8	MP03	CTD	1100	EN	4	48 37.29	126 20.02							ON DECK CAST
9	MP03	CTD	1017	BE	5	48° 37.444	126° 19.965		825	790				CTD ONLY
9	MP03	CTD	1040	EN	5	48° 37.319	126° 19.621							END CAST
9	MP04	ROS	1236	BE	6	48 39.20	126 40.21		1301	1287				
9		ROS	1256	BO	6	48 39.41	126 40.32							
9		ROS	1256	BE	7	48 39.41	126 40.31				1-18	18	RM	
9	MP04	ROS	1335	EN	7	48 39.81	126 40.41							
	MP04 +	USW	1415								L8			loop taken after leaving station

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

MP03 - ABORTED CAST @ 585 m - SALINITY JUMPED TO 75 PARTS AND WOULD NOT COME BACK DOWN - GUESS EITHER SOMETHING IN CELL OR LOOSE CONNECTION. BROUGHT FISH ON DECK AND PROCEEDED TO UCLULET (IF LET JOAN SLEEP) 3 A.M. YOU OWE ME BIG TIME
REPLAY LOG TO SEE PLOT - LOGGED & UP CAST TO SHOW RESULTS

Feb 8 AM FISHING

PM Loaded Randy Raskins + replaced wave rider buoys off Long Beach
2130 Returned to Uclulet to offload Randy + buoys.

0411 arrive Stn MP04

Rosette casts 6, 7 to 1300 db.
5 litre samples taken at 10, 20, 30 and 50 m

ARR MPOS CTD only to 2000 m² using CTD #58483
Cast # 8, 9 (upcast #9)

MP07 CTD # 12/13 @ 2508 Lb.
Go-RLO little to
net haul.

MP08 Calibration coefficients changed in Header for #58483 CTD
These coefficients were obtained from a post calibration of #58483
after the Woc cruise (SAN 18 1995) IOS.

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		Feb.				9501		2						
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
9	MP05	CTD	1600	BE	8	48 41.75 N	127 09.76	GPS	2074					CTD # 58483
9	MP05	CTD	1634	BO	9	48 41.95	127 09.67	GPS	2084	2064	L 9	1	YL	CTD 58483 UPCAST
9	MP05	CTD	1710	EN	9	48 41.80	127 10.22	GPS	2084					
9	MP06	CTD	1935	BE	10	48 44.55	127 39.88	GPS	2542				HM	START CAST
9	MP06	USW	1949		—	48 44.561	127 40.417	GPS			L10 Loop			Loop
9	MP06	CTD	2021	BO	10/11	48 44.700	127 40.911	GPS		2550				BOTTOM
9	MP06	CTD	2050	EN	11	48 45.11	127 41.04	GPS	2570					ON DECK
9	MP07	CTD	2343	BE	12	48° 46.734	128 10.183	GPS	2502				HM	START CAST
10	MP07	USW	0000		—	48 46.825	128 10.364	GPS	—	—	L11 Loop			
10	MP07	CTD	0016	BO	13	48 46.83	128 10.69			2508				
10	MP07	CTD	0044	EN	13	48 46.87	128 11.03							
10	MP08	CTD	0341	BE	14	48 48.97	128 39.93		2516					
10	MP08	USW	0351			48 48.99	128 40.06				L12			loop
10	MP08	CTD	0412	BO	14	48 49.12	128 40.30							
10	MP08	CTD	0443	EN	15	48 49.25	128 40.58							UPCAST
10	MP09	CTD	0704	BE	16	48 51.40	129 09.42	GPS	2361					START CAST
10	MP09	USW	0708		—	—	—	↓			L13 loop.			loop.
10	MP09	CTD	0745	BO	16	48 51.58	129 09.60	↓		2400				BOTTOM

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

MP11

CTD # 20 + 21

mounted digital thermometer in Rosette bottles # 4 and 14.

MP12
Rosette Cast. Note that header is MP04 this Cruise # it should be MP12
see Actual Lat Long. 95010022 (Header file has been edited BM)

Will correct above error on the up cast file. 95010023

Upcast Transmissometer signal noisy after 700m to 450m.

1 extra bottle fired on rosette

Counter on Hydro winch damaged by water (Kovlis Counter)

Cleaned and dried using alcohol (BM)

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YEAR		MONTH		SHIP		CRUISE		PAGE						
1995		Feb		Tully		9501		3 OF						
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
10	MP09	CTD	0813	EN	17	48° 51.72	129° 09.62	GPS		2400				END CAST
10	MP10	CTD	1038	BE	18	48° 53.60	129° 39.90	GPS	2650					START CAST
10	MP10	USW	1040		—	48 53.599	129° 39.951	GPS		2656	L14			LOOP 10
10	MP10	CTD	1119	BO	18	48 53.72	129° 40.48	GPS		2656				@ Bottom
10	MP10	CTD	1148	EN	19	48° 53.77	129° 40.86	GPS						ON DECK - END CAST
10	MP11	CTD	1357	BE	20	48 56.14	130 10.28		2753					
10	MP11	USW	1403	EN	—	48 56.17	130 10.28				L15			loop 5, chl, mt.
10	MP11	CTD	1430	BO	20	48 56.24	130 10.01			2778.				
10	MP11	CTD	1431	BE	21	48 56.24	130 10.00							
10	MP11	CTD	1502	EN	21	48 56.30	130 09.60							
10	MP12	ROS	1723	BE	22	48 58.23	130 39.89		3237					NOTE head = MP04 should be 12
10	MP12	USW	1730	Loop	—						L16			LOOPS
10	MP12	ROS	1818	BO	22	48 58.87	130 40.53			3268				BOTTOM
10	MP12	ROS	1819	BE	23	48 58.87	130 40.52				19-41			START UP
10	MP12	ROS	1950	EN	23	48 58.96	130 40.83							ON DECK
11	MP13	CTD	0049	BE	24	49 02.58	131 39.95		2997.					
11	MP13	CTD	0125	BO	24	49 02.70	131 40.41			3000.				50 m above bottom
11	MP13	CTD	0125	BE	25	49 02.70	131 40.41							

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

USW -

sea water sampler

TIME CODE

BE

bottom

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

MP14

Sea Mount at 3053 m depth to peak CTD
to 3000 m depth of station should be 3320 m $\begin{bmatrix} 49 & 08 & 32.6 \\ 132 & 40 & 9.11 \end{bmatrix}$ GPS pos

CTD Salinity is still bad will look at it in morning

* DO NOT TAKE CTD 58483 BELOW 3000m

Slue

0357 arrive MP15
CTD 58483 #28, 29 to 3000 db.

depart line P, heading south to inspect MET buoy.

1853 arrive MP16
GO-FLO cast to 30 m
CTD 58483 #30 to 3000 db. wind 25 knots gusting to 30.
heave compensation being used.

Wind 30+ swell building cancelled Rosette cast.

Noticed 4 metre offset in pressure reading at surface at 6°
Entered -4 offset in program setup screen.

0130 ARRIVE MP 17

CTD CAST $\rightarrow$ 3000m

HEAVE COMP. USED

WIND 30-35 KNOTS

0301 DEPART MP17

DAILY LOG

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		Feb.				9501		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
11	MP13	USW	0127	BE	—	49 02.70	131 40.45	GPS			L17			
11	MP13		0205	EN	25	49 02.84	131 41.08							
11	MP14	CTD	0632	BE	26	49 07.973	132 40.160		3320					
11	MP14	USW	0645		—	49 08.073	132 40.424				L18			LOOP MP14
11	MP14	CTD	0718	BO	26/27	49 08.28	132 40.91							
11	MP14	CTD	0756	EN	27	49 08 80	132 41 57		3066	3000				
11	MP15	CTD	1203	BE	28	49 11.97	133 40.12		3412					
11	MP15	USW	1240	EN		49 12.02	133 40.25				L19			loop
	MP15	CTD	1241	BO	28/29	49 12.34	133 39.99		3012					580m above bottom
	MP15	CTD	1315	EN	29	49 12.60	133 40.18							
12	MP16	CTD	0326	BE	30	49 16.88	134 40.23		3635					
12	MP16	USW	0337	EN	—	49 17.01	134 40.36				L20			loop samples.
12	MP16	CTD	0402	BO	30	49 17 29	134 40 46							
12	MP16	CTD	0442	EN	31	49 17 90	134 40 89							End of upcast
12	MP17	CTD	0929	BE	32	49° 20.86	135° 39.82		3370					START CAST
12	MP17	USW	0949	EN	—	49° 20.126	135° 39.672				L21			Loop 17
12	MP17	CTD	1012	BO	32/33	49° 20.97	135° 39.57			3000				
12	MP17	CTD	1047	EN	33	49° 21.05	135° 39.37							ON DECK

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

DAILY LOG

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		Feb.				9501		5.						
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
12	MP18	CTD	1657	BE	34	49 26.36	136 40.40	GPS						
12	MP18	USW	1705			49 26.634	136 40.603	GPS			L22			
12	MP18	CTD	1749	BO	34/35	49 27.18	136 40.62	GPS	3890	3000				
12	MP18	CTD	1833	EN	35	49 27.96	136 40.62	GPS						
13	MP19	CTD	0317	BE	36	49 29.72	137 40.18		3929.					
13	MP19	USW	0322	EXP		49 29.98	137 40.30				L23			
13	MP19	CTD	0355	BO	36/37	49 30.24	137 40.29			3001				
13	MP19	CTD	0440	EN	37	49 31.07	137 40.70	GPS						
13	MP20	CTD	0956	BE	38	49° 33.97	138° 40.10	GPS	3970					START CAST
	MP20	USW	1009			49° 34.074	138° 39.921				L24			Loop
	MP20	CTD	1034	BO	38	49° 34.16	138° 39.59			3005				BOTTOM
13	MP20	CTD	1108	EN	39	49° 34.08	138° 39.11	GPS						END CAST
13	MP21	CTD	1545	BE	40	49 38.22	139 40.07		3963					
13	MP21	USW	1551	EN		49 38.24	139 40.00				L25			
13	MP21	CTD	1622	BO	40/41	49 38.50	139 40.05			3002				
13	MP21	CTD	1701	EN	41	49 38.76	139 40.29							
13	MP22	CTD	2128	BE	42	49° 42.04	140° 40.45	GPS	3920					START CAST
13	MP22	USW	2000								L26			Loop

CAST TYPE -	BOT -	bottle cast	ROS -	rosette	USW -	sea water loop	TIME CODE -	BE -	beginning time of cast	DE -	end time of cast
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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

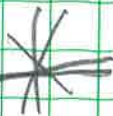
12 Feb.

1912 ~~min~~ MP19

FETS 13.

1300. LOOP SAMPLES TAKEN.

~~MP 22 FILES ARE IN WINDOWS~~



DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		Feb.				95-01		6						
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
13	MA22	CTD	2208	Bo	42	49° 41.94	140° 41.14	GPS	3002					BOTTOM
13	MP22	CTD	2241	EN	43	49° 41.71	140° 41.63	GPS						ON DECK
14	MP23	CTD	0312	BE	44	49 45.99	141 40.07	GPS	4050					
14	MP23	USW	0319	EN	—	49 46.03	141 40.18	GPS			L27			
14	MP23	CTD	0350	Bo	44/45	49 46.16	141 40.52	GPS	3000					
14	MP23	CTD	0430	EN	45	49 46.27	141 40.60	GPS						
14	MP24	CTD	0843	BE	46	49° 50.16	142° 39.88	GPS	3990					START CAST
14	MP24	USW	0905	—	—	49° 50.213	142° 40.037	1			L28			Loop
14	MP24	CTD	0920	Bo	46	49° 50.16	142° 40.19	1	3000					BOTTOM
14	MP24	CTD	0953	EN	47	49° 49.99	142° 40.20	1						ON DECK
14	MP25	CTD	1522	BE	48	49 59.78	143 36.35	GPS	4145					wind 25-30 knots
14	MP25	USW	1533	EN	—	49 59.96	143 36.35				L29			
14	MP25	CTD	1600	Bo	48/49	49 59.66	143 36.86	GPS						
14	MP25	CTD	1647	EN	49	50 00.06	143 38.05	GPS	3014					
14	MP35	CTD	1945	BE	50	50° 00.15	144° 18.17	GPS	4142					START
14	MP35	USW	1955	—	—	50° 00.23	144 18.42	GPS			L30			Loop
14	MP35	CTD	2024	Bo	50/51	50° 00.44	144° 18.62	GPS	3000					BOTTOM
14	MP35	CTD	2057	EN	51	50° 00.62	144° 18.52	GPS						END

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 -
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messenger release
recover mooring

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GPS -
LOR -RADAR
GLOBAL
LORAN

1610 loc FDA in 10m east of P26. Traps at 9 depths to 1000m.

24 Bottle Rosette, all tubing checked, several bottles and tubing tightened

Drum core is missing a bolt. 329 winch #1307 (yellow)
(right hand side)

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR	MONTH		SHIP		CRUISE		PAGE		OF					
1995	Feb.				95-01		7.		1					
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
15	P26-10m	DRF	0010	BE	—	50 00.49	144 44.52W	GPS	4203	1000	—			FDSTAR, 1000m long
15	MP26	CTD	0501	BE	52	49 59.94	145 00.04	GPS	4253					CTD 58483
15	MP26	USW	0509		—	50 00.00	144 59.97	GPS			L 31			
15	MP26	CTD	0548	BO	52/53	50 00.24	144 59.65	GPS		3001				
15	MP26	CTD	0625	EN	53	50 00.49	144 59.63	GPS						
15	MP26	ROS	0647	BE	54	50 00.57	144 59.66	GPS	4253		42-34			WOCE CTD
15	MP26	ROS	0802	BO	54/55	50 01.27	145 00.21	GPS		4301				20m above bottom
15	MP26	ROS	0802	BE	55	50 01.27	145 00.22	GPS			42-64	23		
15	MP26	ROS	0947	EN	55	50 01.22	145 02.70	GPS						
15	MP26	CTD	1220	BE	56	50 00.14	145 00.38		4253					CTD 6
15		CTD	1316	BO	56/57	50 00.76	145 00.89			4250				no pinger CTD failed
15	MP26	CTD	1410	EN	57	50 01.43	145 01.33W							at 332m
15	"	Go-Flu	1500	EN	—	50 01.3N	145 02.0W	GPS	4254	100	—	9		Prod. Cast to 100m
15	"	Go-Flu	1600	EN	—	"	"	"	"	20m		2		
15	"	DRF	1618	BE	—	50 02.619	145 01.389	"	4216	100m	—	9		Prod. incubator
15	"	ROS	1658	BE	58	50 00.06	144 59.65	GPS	4251					
15	"	ROS	1727	BO	58/59	50 00.21	144 58.75	GPS						
15	"	ROS	1727	BE	59	50 00.21	144 58.74	GPS		1500	65-84			

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LORAN

Cast: Stopped at 0505 - Winch making spooky noises - stopped cast

No 62 Hydro # (Delete) upcast is now 63 - downcast is 61.

* MP 30 - NO NAME IN FILE "PLACE.CTD" NAMED CAST MP 39 AGAIN - NOTE *

- WIND 35+ KNOTS

- WINCH TOP SPEED $\approx .75$ m/sec CAST TO 2000 m ONLY

W150

Winch speed increased
Winds too high for Rosette cast.

Feb 17
0930

~~E~~ Line parted (by PROP) during recovery. Recovered were Beacon ball, Argos, set of 4 large balls, several small balls (1 or 2 broken) + chain. Break was in the chain. A crunch was heard when floats were against stern. Lost = 3 lg bells, Acoustic release, Neolon with 12 traps.
+ 1 TEMP/PRESS. PROBE

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE				PAGE		OF		
1995		FEB		TULLY		9501				8				
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
15	MP26	ROS	1827	EN	59	50 00.49	144 57.27	GPS		1499				
	MP26	DRF	2210	RE	—	50 02.94	145 00.33	GPS		4238				Recover Prod. drifter
16	MP39	CTD	0450	BE	60	50.00.33	145 59.98	GPS						Cast stopped - winch quit
16	MP39	CTD	0504	BO		50.00.67	145 59.70	GPS		489				
16	MP39	CTD	0619	BE	61	50.01.99	145 58.29	GPS	4258					
16	MP39	USW	0634		—	50.00.99	145 59.30	GPS		2005	L32			
16	MP39	CTD	0727	BO	61/63	50.01.99	145 58.29	GPS						
16	MP39	CTD	0755	EN	63	50 02.31	145 58.10	GPS						
16	MP 30	CTD	0945	BE	64	50°00.04	146°23.63	GPS	4347					START
16	MP 30	USW	1039	—	—	50°00.062	146°23.030	GPS			L33			Loop
16	MP 30	CTD	1033	BO	64/65	50°00.05	146°23.14	GPS		2003				BOTTOM
16	MP 30	CTD	1052	EN	65	50°00.10	146°23.11	GPS						END CAST / ON DECK
	W150	CTD	1348	BE	66	50 00.04	147 05.71		4389					wind 30-35
16	W150	USW	1400	EN	—	50 00.06	147 05.69				L34			Rosette cancelled, wind
	W150	CTD	1427	BO	66/67	50 00.19	147 05.39			3000				35-40 knots.
	W150	CTD	1503	EN	67	50 00.25	147 05.37							
17	P26	DRF	1730	RE	—	50 03.57	144 39.02	GPS	4178	1000				LOST FDA
18	MP41	CTD	0027		68	50°27.14	144°59.90		4256					

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Feb 21 0800 Preparations for Seal Trap Mooring deployment. On mooring are
one current meter + 1 DIAMOND SEDIMENT TRAP. Bottom DEPTH ~ 550 m.

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1995		Feb				9501		9		16				
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
18	MP41	USW	0033	EN	—	50°27.25	144°59.89				L35			
18	MP41	CTD	0104	BO	68	50°27.61	144°59.78							
18	MP41	CTD	0106	BE	69	50°27.64	144°59.82							
18	MP41	CTD	0136	EN	69	50°27.92	144°59.72							
18	MP32	CTD	0439	BE	70	50°53.97	144°59.86		4257					
18	MP32	USW	0450		—	50°54.12	144°59.61				L36			
18	MP32	CTD	0519	BO	70/71	50°54.34	144°59.41			3000				
18	MP32	CTD	0558	EN	71	50°54.81	144°58.31							
18	N150	ROS	0857	BE	72	51°20.96	145°00.04	GPS	4025					START CAST
18	N150	USW	0907	—	—	51°20.965	144°59.942	GPS			L37			Loop
18	N150	ROS	1007	BO	72/73	51°21.07	144°59.44	GPS		4014	85-107			BOTTOM
18	N150	ROS	1146	EN	73	51°21.05	144°59.25	GPS						END CAST / ON DECK
							END OF VOCE WORK							
18	PB1	USW	2042	BE	—	51°07.57	142°42.36	GPS	3924		L38			Go-Flos for UBC
19	PB2	SAIL	2040	BE	—	50°31.42	136°34.72	GPS	3672	(T= 7.08 S= 32.528 from SAIL)				Go-Flos for UBC
21	SITEG	DE	1855	BE	—	49°39.48	127°37.02	"	583					JGOFs TRAP MOORING
21	"	DE	1922	EN	—	49°38.793	127°38.264	"	5352					Released mooring

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23 Feb 1630 Deployed directional wave buoy near Long Beach.

1640 Zodiac launched to recover failing wave buoy

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[illegible]