

CRN:

99-10

DAILY LOG

INSTITUTE OF OCEAN SCIENCES

OSAP

DATE: JUNE 1 to 24 1999

152 to 175

VESSEL: J. P. TULLY

PROJECT: Line P

Captain: Bill Noon

First Officer:

Third Officer:

Cruise Participants / Agencies:

Scientific Personnel: Party Chief: Ron Perkins

Name	Watch	Cabin	Name	Watch	Cabin
TIM SONTAR	1	G	RON PERKIN		A
VINCENT CORONINI	1	H	WENDY RICHARDSON		B
MELANIE QUENNVILLE	1	E	NES SUTHERLAND		E
MARIE ROBERT	2	Elec.	JANET BARWELL-CLARKE		D
ANGELICA PENA	2	F	ELAINE BAIRD		D
MICHAEL BENTLEY	2	G	HUGH MACLEAN		5
DARREN TUELUE	3	17	MICHAEL ARYCHUK		C
MICHAEL LIPSEN	3	H	MARTY DAVELAAR		C
CATHLEEN VESTIFALS	3	F			

Second leg of cruise: Party Chief:

[illegible]

Data logging system: Unit no.

Program Name:

Program version:

CTD deck unit make:

model:

serial no.:

Computer make:

model:

serial no.:

1st CTD make: SEA BIRD model: 911 serial no.: ~~0433~~ 0443

Temperature sensor

model: _____

serial no.: ~~0433~~ 0443

serial no.: 2062. 2106 = T1

coefficients: slope:

$$\perp \phi$$

Conductivity sensor

model:

serial no: 1764 1748 = C

coefficients: slope:

13

offset: "c1"

Pressure sensor range: Pascals

Dsi

serial no: 63507

coefficients: FSP:

dB

offset:

Transmissometer

model: SEATFC H

serial no. 1820

coefficients: slope: 19.852 (98/08/07) on 20.0255 (99/03/15) offset: .020 (98/08/07) on 0.000 (99/03/15)

Comments: C ϕ ⁽¹⁷⁴⁸⁾ sensor was switched to CTD 437C at card # 35 June 17 '99

New CD sensor was S. N. 1779

T₀ (2012) sensor was switched to CTD 437, T₀ at Oct 35, June 17 1999

New Tø sensor 10/20 S.N. 2023

Other Sensors: PAR S.N. 4495 (Model GSP-200 L45) (Biospherical Inst.)
Fluorometer WS35-417P (Wetlabs, U.B.C.)

2nd CTD make: SEA BIRD model: 911 serial no.: 437
Temperature sensor model: _____
coefficients: slope: _____ serial no.: 2023 (TD); 2142 (TI)
Conductivity sensor model: _____ offset: Changing to: 2062 (TD) on June 16
coefficients: slope: _____ serial no.: 1729 (CD); 1762 (CI)
Pressure sensor range: PAROS psi serial no.: 63502
coefficients: FSP: _____ dB offset: _____
Transmissometer model: SEATECH serial no.: 182D
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: _____ 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 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: _____

Portals 9600, 000, 1 STOP BIT, 7 DATA BITS ECHO ON XON/XOFF

Depart 105 ^{15:11}
~~14:00~~ PDT June 1, 1999.

Deploy anchor at $48^{\circ} 39.665' N$, $123^{\circ} 27.875' W$ 21.25 m depth

Deploy anchor at $48^{\circ} 39.670' N$, $123^{\circ} 27.920' W$ 21.25 m depth 15:50 PDT

casts 16
18
32

June 3 3:16 UTM.
after consec. #4

Secondary Conductivity (Salinity) is reading ϕ all the way back to the
test file at 105. Connector was checked by Darren — all O.K.
so pulled CTD # 443 and replaced with CTD 437

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR 1999			MONTH 6			SHIP J. P. Tully				CRUISE 9910				PAGE 1	OF 1
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE N	LONGITUDE W	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS	
May 31	DOCK 105	TEST			0001										
1															
2	SI03	ROS	0153	BE	2	48° 35' 67	123° 30' 00		228					Loops taken	
2	SI03	ROS	0159	BO	2	48° 35' 72	123° 29' 98			212	1-21	21			
2	SI03	ROS	0223	EN	2	48° 35' 86	123° 29' 88								
1	ECOBuoy	NET	2313	BE	3	48° 39' 513	123° 29' 105		75.25					Start Net Tow 5m off bottom	
2	JF1	LOOP	0922			49° 13' 196	123° 32' 148							Wrong lat+long	
2	JF2	LOOP	1119	BE		48° 18' 652	123° 59' 785		181					NOT AT POSITION BO.	
2	JF3	LOOP	1327	BE		48° 26' 870	124° 30' 155		~237					CARGO SHIP	
2	JF4	LOOP	1525			48° 31' 911	125° 00' 500								
3	PIE115	ROS	0142	BE	4	46° 54' 08	124° 59' 62		777				MR	PROBLEMS WITH WINCH	
3	PIE115	ROS	0157	BO	4	46° 53' 99	124° 59' 81				22-33	12		NO SEZ SALINITY	
3	PIE115	ROS	0223	EN	4	46° 54' 05	124° 59' 99							FOLDED CHAIN IN HALF	
3	PIE114	ROS	0430	BE	5	47° 00' 18	125° 03' 49		823					TO REDUCE LENGTH	
	PIE114	"		BO	5	47° 00' 36	125° 03' 50			800	34-46	13		LOOPS TAKEN	
	PIE114	"		EN	5	47° 00' 70	125° 03' 58							NEW CTD	

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

OCEAN PHYSICS

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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	
3	PIE113	ROS	0727	BE	6	47 00.03	125 30.61	GPS	1760		47-62	16			
3	PIE113		0808	BO	6	47 00.10	125 30.19								
3	PIE113		0900	EN	6	46 59.98	125 29.87								
3	PIE112	ROS	1136	BE	7	46 59.93	126 00.07		2565						Loops taken
3	PIE112	ROS	1241	BO	7	46 59.99	126 00.13			2568	63-82	20	MR		CONDs off by 0.002
3	PIE112	ROS	1350	EN	7	46 59.99	126 00.79								
3	PIE111	ROS	16:18	BE	8	47 0.12	126 28.18		2563	2570	83-102A	19 ²⁰			Soak CTD cell Triton
3	PIE111	ROS	17:11	BO	8	47 0.46	126 28.45								
3	PIE111	ROS	18:17	EN	8	47 0.62	126 29.40								
3	PIE110	ROS	21:30	BE	9	46 59.997	127 12.063		2649	2655	102 ^B -121	20			Have to wait 2 hrs before sampling; not enough Freon ventages
3	PIE110	ROS	22:19	BO	9	46 59.89	127 12.27								
3	PIE110	ROS	2317	EN	9	47 00.07	127 12.59								
4	PIE109	ROS	0237	BE	10	47 00.05	127 55.40		2712						Loops taken
4	PIE109	ROS	03:20	BO	10	46 59.92	127 55.62					122-141	20		
4	PIE109	ROS	0427	EN	10	46 59.71	127 55.92								
4	PIE109	ROS	06:20	BE	11	47 0.07	127 55.33		2711						Freon Cast
4	PIE109	ROS	7:12	BO	11	47 0.39	127 55.11					142-161	20		
4	PIE109	ROS			11	47 0.62	127 55.33								

CAST TYPE -

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ctd
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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

POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

HEAVY SWELL FOR STATIONS 106 AND 105.

HEAVE COMPENSATOR HOOK WAS DAMAGED ON THE UPCAST AT 600m DEPTH OF CAST 15
THE REMAINDER OF THE BOTTLES WERE TRIGGERED WITHOUT STOPPING

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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	
4	PIE 108	ROS	1311	BE	12	46 59.99	128 38.76		2741				MR	Loops taken	
4	PIE 108	ROS	1402	BO	12	46 59.69	128 38.96			2748	162-181	20			
4	PIE 108	ROS		EN	12										
4	PIE 107	ROS	1926	BE	13	46 59.963	129 22.953		2573		182-201	20	NO.		
4	PIE 107	ROS	2011	BO	13	46 59.56	129 23.43								
4	PIE 107	ROS	2114	EN	13	46 59.46	129 24.09								
5	PIE 106	ROS	04:43	BE	14	47 0.04	130 1.13		2728		202-221	20	EN	LOOPS TAKEN	
5	PIE 106	ROS	05:33	BO	14	47 0.21	130 0.80			2658					
5	PIE 106	ROS	06:54	EN	14	46 59.96	130 01.68								
6	PIE 105	ROS	15:34	BE	15	47 00.01	131 13.89		2870		222-241	20		LOOPS TAKEN	
6	PIE 105	ROS	16:42	BO	15	47 0.03	131 15.64		2504					HEAVE COMPENSATOR	
6	PIE 105	ROS	18:11	EN	15	46 59.77	131 16.59							HOOK WAS DAMAGED AT 600m	
6	PIE 104	ROS	0403	BE	16	46 59.91	132 22.42		3320					THE REMAINDER OF THE	
6	PIE 104	ROS	05:18	BO	16	47 0.02	132 23.26				242-263	22		BOTTLES WERE TAKEN	
6	PIE 104	ROS	07:00	EN	16	47 0.22	132 24.26							WITHOUT STOPPING	
6	PIE 103	ROS	1420	BE	17	46 59.99	133 27.77		3649?					LOOPS TAKEN	
6	PIE 103	ROS	1526	BO	17	46 59.91	133 28.64			3590	264-286	23			
6	PIE 103	ROS		EN	17										

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

HEAVY SWELL FOR STATIONS 106 AND 105.

HEAVY COMPENSATOR HOOK WAS DAMAGED ON THE UPCAST AT 600m DEPTH OF CAST 15
THE REMAINDER OF THE BOTTLES WERE TRIGGERED WITHOUT STOPPING.

Cast #22, 100m Rosette for angelica

DAILY LOG

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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
6	PIE102	ROS	2323	BE	18	46°59.20	134°36.71		3982		287-309	23		
7	PIE102	ROS	0035	BO	18	46°59.93	134°36.51			4045				
7	PIE102	ROS	0205	EN	18	47°00.32	134°37.80							Loops Taken
7	PIE101	ROS	0816	BE	19	47°0.06	135°44.12		4138		310-333	24		Loops Taken 0830 UTC
7	PIE101	ROS	0931	BO	19	47°0.31	135°43.91		4190					
7	PIE101	ROS	1051	EN	19	47°0.63	135°43.78							
7	PIE100	ROS	1610	BE	20	46°59.83	136°50.94		4158					
7	PIE100	ROS	1720	BO	20	46°59.55	136°51.05			4150	334-357	24		Loops taken 16:30 UTC
7	PIE100	ROS	1833	EN	20	46°59.72	136°51.40		4121					
7	ED1	CTD	20:53	BE	21	47°14.95	137°9.85		4121					Loops taken 21:03
7	ED1	CTD	21:28	BO	21	47°14.63	137°9.72							
7	E1	CTD	21:54	EN	21	47°14.34	137°9.51							
8	ED2	ROS	0034	BO	22	47°31.56	137°27.60							
8	ED2	ROS	0039	BO	22	47°31.47	137°27.56							Rosette for Angelica primary productivity to a room for water.
8	ED2	ROS	0047	EN	22	47°31.45	137°27.55							
8	ED2	ROS	0124	BE	23	47°31.90	137°27.60		41092		358-381	24		Stop @ 1537 16: his wind for - 3 min.
8	ED2	ROS	0239	BO	23	47°32.49	137°26.76		4144					
8	ED2	ROS		EN	23	47°32.36	137°24.45							

CAST TYPE -

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ctd
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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

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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
8	PIE99	ROS	0817	BE	24	46° 59.89	137° 57.89		4166	4224	382-405	24	MR	LOOPS TAKEN
8	PIE99	ROS	0935	BO	24	46 59.18	137° 58.08							Pressure spikes @ beg
8	PIE99	ROS	1122	EN	24	46 58.64	137° 58.22							Computer slow by 15 min
8	PIE98	ROS	1552	BE	25	47 0 06	139 04 04		3527					End time good.
8	PIE98	ROS	1556	BO	25	47 0 10	139 04 02			75m				primary prod. cast
8	PIE98	ROS	1604	EN	25	47 0 14	139 04 00							
8	PIE98	ROS	1628	BE	26	46 59.99	139 04 15		3917	4285	406-429	24		LOOPS TAKEN
8	PIE98	ROS	17:50	BO	26	47 00.15	139 04.83							
8	PIE98	ROS	19:20	EN	26	47 0.05	139 5.45						MR	
9	PIE97	ROS	0019	BE	27	46 59.92	140 13 45		4325					LOOPS TAKEN
9	PIE97	ROS	0138	BO	27	46 59.24	140 14.17			4392	430-453	24		Strong current pushing us westward.
9	PIE97	ROS	03:20	EN	27	46 59 19	140.16 89						CR	
9	PIE96	ROS	07:54	BE	28	47 0.07	141 21.16		4403	4464			MR	
9	PIE96	ROS	09:16	BO	28	47 0.26	141 21.59				454-477	24		Loops taken at 1000h
9	PIE96	ROS	10:41	EN	28	47 0.05	141 22.79							47° 0.06 141 22.12
9	PIE95	ROS	1520	BE	29	47 00 07	142 26 36		4494					Loops taken @ 0830
9	PIE95	ROS	1646	BO	29	47 00 61	142 26 46			4577	478-501	24		
9	PIE95	ROS	1814	EN	29	47 01 38	142 26 48							

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
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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	PIE94	ROS	2200	BE	30	46 59.83	143 49.66		4577		502-525	24		
10	PIE94	ROS	0011	BO	30	46 59.75	143 28.35			4662				Loops taken
10	PIE94	ROS	0145	EN	30	46 59.62	143 27.30							Coccolithophore Sample Taken 3min after start
10	PIE93	ROS	0658	BE	31	46 59.93	144 40.11		4674		526-549	24	102	Loops taken 0706h.
10	PIE93	ROS	0820	BO	31	46 59.62	144 39.47		4753					WRONG STN NAME IN HDR.
10	PIE93	ROS	0955	EN	31	46 59.38	144 39.82							
10	PIE92	ROS	1455	BE	32	46 59.77	145 48.53		4783					cast to 4888m, wire out 4948m $\approx$ 2 1/2 wraps left & 5100m
10	PIE92	ROS	1628	BO	32	46 59.76	145 48.32			4888	550-573	24		LOOPS TAKEN
10	PIE92	ROS		EN	32									
11	UW1	USW	0412	BE		47 56.70	145 27.24							Loop Sample
11	UW2	USW	0657	BE		48 22.07	145 21.19							" "
11	UW3	USW	1103	BE		49 04.496	145 06.150							" "
11	UW4	USW	1511	BE		49 47.40	144 49.231							" "
11	EDSTAR	DRF	1640	BE		50 00.026	144 44.22							
11	"	DRF	1746	EN		50 00.296	144 43.880							
11		MOR	19:50											Recovery. Remineralization Mooring
12	P26	PAR CTD	2:51	BE	33	50 00.11	144 59.99							PAR CAST TO 150m
12	P26	"	2:56	BO	33	50 00.11	144 59.99							

CAST TYPE -

BOT -

bottle cast

CTD -

ctd

MOR -

mooring

ROS -

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sea water loop

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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	P26	PAR CTD	2:59	EN	33	50 00.11	144 59.99							
12	P26	BOT	4:00	BE		50 00.22	144 59.99			500 m				
12	P26	PUMP	5:00	BE		50 00 22	145 00 00							\$ CASTS 3x5 / 1x30 / 1x500
12	P26	BOT	12:30	BE		49 55 50	144 59 67			100 m				PUMPING TILL 11:00 UTC
12	P26	DRF	14:25	BE		50 06.622	145 01.064							PROD GO-FLO'S
12	P26	DRF	21:40	EN		50 07.397	145 00.215							DEPLOY PROD DRIFTER
12	P26	BOT	11:25	BE		49 59 638	144 54 736			1000 m				RECOVER PROD DRIF
13	P26	ROS	15:36	BE	34	49 59.90	145 00.33	GPS	4247		574-597			Fe GO FLO'S
13	P26	ROS	16:56	BO	34	49 59.78	145 01.78	"						Only 22 bottles triggered
13	P26	ROS	18:20	EN	34	49 59.121	145 01.59	"						
13	P26	USW	16:21	BE		49 59.76	145 1.17							
13	P26	DRF	19:50	EN										Loops Taken
														CLOSED LIDS ON FDK TRAPS
														LOOPS UNDER WAY - PORT HARDY
13	Loop	USW	2:59	BE		50 16 141	143 08 157				598		2000	Loops Snd, chl, nts
14	Loop	USW	07:05			50 23.440	141 57.255				599		0000	Loops Taken
14	Loop	USW	11:00			50 29.600	140 49.152				600		0400	Loops Taken
14	Loop	USW	15:00			50 35.438	139 43.891				601		0800	Loops Taken
14	Loop	USW	19:00			50 40.503	138 40.000				602		1200	Loops Taken

CAST TYPE -

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

USW -

sea water loop

TIME CODE -

BE -
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EN -beginning time of cast
bottom time of cast
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POSITION CODE -

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INSTITUTE OF OCEAN SCIENCES

YEAR 1999		MONTH June		SHIP		CRUISE								PAGE	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	Time	COMMENTS	
14	Loop	USW	2350			50 43 955	137 14 360				603		1650	Loops taken @ 1650	
15	Loop	USW	0300			50 44 676	136 15 08				604		2000	Loops taken	
15	Loop	USW	0700			50 45.582	134 59.514				605		2400	LOOPS TAKEN	
15	Loop	USW	1100			50 46 932	133 41.180				606		0400	Loops TAKEN	
15	Loop	USW	1500			50 46 300	132 24 130				607		0800	Loops Taken	
15	Loop	USW	1900			50 48.265	131 06.554				608		1200	Loops TAKEN.	
15	Loop	USW	2315			50 50.663	129 37.795				609		1615	Loops TAKEN	
16	Loop	USW	0335			50 53 852	128 13 090				610		2035	Loops Taken	
16	Loop	USW	0700			50 42.694	128 51.663				611		0000	Loops TAKEN	
16	Loop	USW	1055			50 33 902	130 05 103				612		0355	Loops TAKEN	
16	Loop	USW	1500			50 25 160	131 23 498				613		0800	Loops Taken	
16	Loop	USW	1900			50 16 331	132 38.632				614		1200	Loops TAKEN	
16	Loop	USW	2300			50 09.282	133 39.353				615		1600	Loops TAKEN	
17	Loop	USW	0335			50 01 217	134 48 078				616		2035	Loops Taken	
17	Loop	USW	0700			49 55.290	135 39.906				617		0000	Loops TAKEN.	
17	Loop	USW	1140			49 48.493	136 50.060				618		0440	Loops TAKEN	
17	Loop	USW	1505			49 41 371	137 37 200				619		0805	Loops Taken	
17	Loop	USW	1705			Aborted Pro	No	SAMPLE			620			Loop Not Taken	

CAST TYPE -

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

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

0443 - Primary - good
Sec. - bad
0437 - Primary
- Sec.

Wed June 16

11:00am - Swapping Primary Sensor Package From 0443 to 0437 which is Sensor package on rosette. Will install Fluor & PAR.

0437 primary taken off - C = SN 41729
T = SN 32023

0443 primary taken off - C = SN 41748
T = 2062

New Configuration for 0437:
Primary:
C - 1748
T - 2062
Secondary:
C - 1762
T - 2142

Par
HeatLab Fluor
Transmissometer

New Configuration for 0443
Primary C = 1729
T = 2032 - NFB
Secondary C = 1764
T = 2106

PC = SW 1748
date 06-May-99

G = -4.33990133E+00
H = 5.31904494E-01
I = -9.64883154E-04
J = 7.29220488E-05

Ct cor = 3.25000E-06
CPCor = -9.5700E-08
slope = 1.000000
offset = 0.000000

PT = SW 2062
05 May 99s

G = 4.13792861E-03
H = 6.27982418E-04
I = 2.07463313E-05
J = 2.14324983E-06
FO = 1000.000
Slope = 1.000000
offset = 0.000000

0443CTD.CON
Par SW 4495

97/02/17

M = 1.0000000

B = 0.

Const.

540540540.54000000

Mult. 1.00000000

Tx

182 D

98 08 07

19.852

0.020

.25

↑

Should be

99 / 03 / 15

20.0255

0.000

.25

according to the spreadsheet

0: instruments \ transimeters \ trans.xls

R.P.

0437

Par 2.159 e+03

Tx 62.05

} open

Par - 1.85 e+03

} cover

Tx - 0.02

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH				SHIP				CRUISE				PAGE		OF	
1999		June															
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			
17	P20	ROS	1941	BE	35	49 34.00	138 39.65		3890		621-638	18		DMS cast to 400m			
17																	
17																	
17	P20	ROS	2132	BE	36	49 34.06	138 39.82		3890		639-661	23					
17	P20	LOOP	2202			49 34.10	138 39.96							LOOPS TAKEN.			
	"	ROS	2249	BO	36	49 34.09	138 40.03										
	"	ROS	0021	EN	36	49 33 97	138 40 05										
18	P20	Net	1600		37	49 31.066	138 36.471			150			local 0900	BONGO 150m			
18	P19	ROS	2002	BE	38	49 29.90	137 39.88				662-685			LOOPS TAKEN.			
18	P19	ROS	2035	BO	38	49 29.74	137 39.85				TRIP ALL BOTTLES.			FRESH BLANK + PARTICULATE BLANK			
19	P19	ROS	2059	E	38	49 29.70	137 39.83										
19	P18	CTD	0112	BE	39	49 25.83	136 40.12		3842		686-688	3		3 BOT. FOR DOC BLANK			
19	P18	CTD	0142	BO	39	49 25.51	136 40.24			2004				LOOPS TAKEN			
19	P18	CTD	0211	EN	39	49 25.29	136 40.63										
19	P17	CTD	0622	BE	40	49 20.95	135 39.94		3661					LOOPS TAKEN			
19	P17	CTD	0651	BO	40	49 20.76	135 39.70										
19	P17	CTD	0719	EN	40	49 20.63	135 39.73										
19	P16	NET	1130	BE	41	49 16 900	134 39.701		3646	150				BONGO			

CAST TYPE -

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ctd
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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

DAILY LOG

OCEAN PHYSICS

C Frog

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1999		June		Tully		9910								
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
19	P16	ROS	1409	BE	42	49 16 25	134 39.22		3645					DMS CAST
19	P16	ROS	1417	BO	42	49 16 10	134 39 20			400 m	689-706			LOOPS TAKEN
19	P16	ROS		EN	42									Cast on deck 0750
19	P16	ROS	1616	BE	43	49 16.40	134 41.53		3642		707-729			DEEP CAST
19	P16	ROS	1722	BO	43	49 16.11	134 41.15							
19	P16	ROS		EN	43									
20	P15	CTD	0659	BE	44	49 11.97	133 40.15		3422					CTD LOOPS TAKEN TO 2000 m
20	P15	CTD	0736	BO	44	49 11.90	133 40.42							
20	P15	CTD	0757	EN	44	49 11.92	133 40.37							
20	P14	CTD	1209	BE	45	49 07.37	132 39.87		3332	2003				LOOPS TAKEN
20	P14	CTD	1243	BO	45	49 07.22	132 40.01							
20	P14	CTD	1304	EN	45	49 07.19	132 40.12							
20	P13	CTD	1727	BE	46	49 02.51	131 40.03		3035					
20	P13	CTD	1803	BO	46	49 02.16	131 39.90			2001				Loops Taken
20	P13	CTD		EN	46									
20	P12	ROS	2356	BE	47	48 58 23	130 40 17			400m	730 → 747			DMS CAST:
21	P12	ROS	0003	BO	47	48 58 24	130 40 20							Bottle 18 did not trip.
21	P12	ROS	0027	EN	47	48 58 22	130 40 28							

CAST TYPE -

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TIME CODE -

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 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

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE							PAGE		OF	
1999		June														
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 Temp	COMMENTS		
21	P12	NET	1100	BC	48	48° 58.09	130 40 98		2924	150				NET Tows		
21	P12	ROS	1334	BC	49	48 58.36	130 40 12		3251					check con file?		
21	P12	ROS	1423	BO	49	48 58.45	130 40 43				748-769	22		Loops TAKEN		
21	P12	ROS	1533	EN	49									comp. display missing scans		
21	P11	CTD	1815	BE	50	48 55.83	130 10 16		2770				10.49			
21	P11	CTD	1850	BO	50	48 55.51	130 10 40							Loops taken		
21	P11	CTD	1912	EN	50	48 55.35	130 10.56									
21	P10	CTD	2125	BE	51	48 53.54	129 39.98		2659				10.6	LOOPS TAKEN.		
21	P10	CTD	2158	BO	51	48 53.39	129 40.18									
21	P10	CTD	2219	EN	51	48 53.39	129 40.33									
22	P9	CTD	0032	BE	52	48 51.41	129 10 00		2359					LOOPS TAKEN		
22	P9	CTD	0105	BO	52	48 51.67	129 10.47			2600						
22	P9	CTD	0128	EN	52	48 51.88	129 10 73									
22	P8	CTD	0341	BE	53	48 48.96	128 40.09		2400					11.41° at surface		
22	P8	CTD	0414	BO	53	48 48.89	128 40.17			2000				Loops taken		
22	P8	CTD		EN	53											
22	P7	CTD	0644	BE	54	48 46.59	128 10 19		2524				11.72	Loops taken		
22	P7	CTD	0724	BO	54	48 46.67	128 10.74							Loops		

CAST TYPE -

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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 -

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DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1999		June				99-10								
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	P7	CTD	0743	EN	54	48 46.64	128 10.86		2562				11.93	LOOPS TAKEN
22	P6	CTD	0956	BE	55	48 44.59	127 39.93							
22	P6	CTD	1031	BO	55	48 44.60	127 39.99							
22	P6	CTD	1052	EN	55	48 44.59	127 39.97							
22	P5	CTD	1253	BE	56	48 41. 48	127 09. 93		2105					Loops TAKEN
22	P5	CTD	1323	BO	56	48 41. 43	127 09 87			2000				TRANSMISOMETER EITHER
22	P5	CTD	1344	EN	56	48 41 44	127 09 91							V. DIRTY OR BAD CONNECTION
22	P04	MOR	1611	RE		48 38.656	126 35.282							P04 Sed. Trap mooring released
22	P4	ROS	1954	BE	57	48 38.81	126 40.11		1329		770-787			
22	P4	ROS	2002	BO	57	48 38.98	126 40.37							
22	P4	ROS	2035	EN	57	48 39.15	126 40.50							
22	P4	ROS	2138	BE	58	48 38.96	126 40.24		1329		788- 802			Deep Cast
22	P4	ROS	2158	BO	58	48 38.98	126 40.55							
22	P4	ROS	2228	EN	58	48 38.90	126 40.92							
23	P4	MOR	0107	DE	-	48 38.674	126 35.835		Approx. 1220m					MOORING DEPLOYED LAP17
23	P4	NET	1115	BE	59	48 38. 976	126 39.695			150				BONGO'S

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1999		June				99-10								
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	Surf Temp	COMMENTS
23	P3	CTD	1412	BE	60	48 37.40	126 19.91		818					Loops TAKEN
23	P3	CTD	1427	BO	60	48 37.08	126 19.72							
23	P3	CTD	1437	EN	60									
23	P2	CTD	1611	BE	61	48 35.92	125 59.79							Loops NOT TAKEN.
23	P2	CTD	1614	BO	61	48 35.91	125 59.75							
23	P2	CTD	1620		61	48 35.90	125 59.70							
23	P1	CTD	1830	BE	62	48 34 33	125 29 97		138				10.3	Loops taken
23	P1	CTD	1833	BO	62	48 34 29	125 29 94		132					cocco taken
23	P1	CTD	1834	EN	62	48 34 28	125 29 94							Head for Barnfield
24	10B	CTD	0029	BE	63	48 32 98	124 43 02		124					
24	10B	CTD	0031	BO	63	48 32 97	124 43 02							
24	103	CTD	0033	EN	63	48 32 97	124 43 02							

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