

CTD/ROSETTE _____ LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 39.60		123 29.97		BB.	
			1	PB						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
3	08	94	zone	PDT	177 m		152m			
			in water	1155						
			down							
			on deck	1211						

COMMENTS
Crashed with light sensor - removed

[illegible]

94210002 tag1
94210003 begin
of tag1
tag1
tag2

Ver 1.31

COMMENTS
Floorometer disconnected

[illegible]

[illegible]

Ver. 1.32/1.21

$$943100\% \Rightarrow 1.32$$
$$943100001_2 \rightarrow 131$$

Remained 007 to 066

COMMENTS

Program crashed @ 150m while tripping. May have
double tripped (#3+4?) Tag 3 may not have happened, use end
of hole, 9 bottles tripped, took extra O₂ to determine which one doubled

 $\frac{24}{6} \uparrow$

7/21

9

20.7

23

124.

0-14

CTD/ROSETTE S...LER LOG SHEET

CRUISE
9431

STATION
no. 7A/7 I.D. NEWS
(SH10)

LATITUDE
48 38.82

LONGITUDE
123 08.49

RECORDED BY

Ver 1.32

DA MO YR
3 8 94

TIME
zone PDT
in water 1915
down
on deck 1936

SOUNDER (m)
270

CAST DEPTH (m)
265

DATA BACKUP DISK

COMMENTS
Downcast is Ver 1.32, end of file is bottle 1
Upcast is Ver 1.31

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
265	1		1134	✓													
200	2		1135	✓													
150	3		1136	✓													
100	4		1137	✓													
50	5		1138	✓													
30	6			✓		✓											
15	7			✓		✓											
0	8			✓		✓											

Ver 1.32

Ver 1.31 Fog

2

3

4

5

6

7

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 22.6	123 02.76	JR7
			8	HEIN IS.			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
3	8	94	zone	POT.	154	150	
			in water				
			down				
			on deck	2044			

COMMENTS

[illegible]

COMMENTS

[illegible]

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 35.72	125 0882	
			11	L604			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
4	8	94	zone	POT			
			in water	0800 0945			
			down				
			on deck		COMMENTS		
					410 cancelled (fish boats) went back & led L602 No Clupea		

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9341			no.	I.D.	48 32.8		125 15.51		DLM	
			12	LB6						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
4	8	94	zone	PDT	115		110			
			in water	1042						
			down							
			on deck	1053						

COMMENTS
fluorometer disabled this cast

[illegible]

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	48 28.93	125°15.3	
		13	C1			

DA	MO	YR	TIME	
4	8	94	zone	PDT
			in water	
			down	
			on deck	

SOUNDER (m)	CAST DEPTH (m)	COMMENTS
154.0	150	
CTD only, fluo fluo disabled bongo tow 0-150m, 1 bottle in high turb lay		

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	4825.4	135 03.8	
			14	C2			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
4	8	94	zone	RDT	138	135	
			in water				
			down				
			on deck				

COMMENTS
C2 = LBAZ Fluorometer ON!! 1st entry!! - tried common OTI

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 23.4	125 20.8	
			15	C3-LBA3			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
4	8	94	zone	PDT	124	120	
			in water	1445			
			down				
			on deck				

COMMENTS
LaPer plankton C3, no bottles
SYSTEM CRASHED ON UPLAST - NOT LOGGING

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
09431			no. 16		I.D. BB-LCB3		48°21.29		125°30.04	
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
4 8 94			zone		128					
			in water							
			down							
			on deck							
					COMMENTS					
					CTD only		Fluorometer disconnected again			

[illegible]

CRUISE		STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431		no.	I.D.	48 32.01		125 35.30			
		17	B7=LCB4						

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK	
21	8	94	zone	ADT	80	75		
			in water	1807				
			down	1812				
			on deck					

COMMENTS
CTD / Bongo
Fl on using Ver 1.29.

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
7431			no.	I.D.	44 25.45	125 28.36	
			18	LB8			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
04	08	94	zone	PDT	158 139	160	
			in water				
			down				
			on deck	1950			
COMMENTS							
back to Ver 1.31 - no fluorometer							

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 22.03W	225 34.7	JRF
			19	LB9			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
4	8	94	zone	PDF	152	150	
			in water				
			down				
			on deck	2047			
			COMMENTS				

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 15.17		125 47.55			
			20	LB11						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
4	8	94	zone	POT	210		200			
			in water	2210						
			down							
			on deck	2223						

COMMENTS	
TAKS 1-5 ARE BOTTLE 1! BOTTLE 6 DID NOT FILL COMPLETELY. O ₂ ONLY	

[illegible]

CTD/ROSETTE SERIAL LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
94131			no.	I.D.	48 12.61		125 51.23		R01	
			21	LB12						
DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
4	8	94	zone	P01	505-520		510			
			in water	2320						
			down							
			on deck							
			COMMENTS							

[illegible]

CTD/ROSETTE S... LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no. 22		I.D. 1314		48 08.5		125 59.8	
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
5 8 94			zone in water		~ 1125		225			
			down							
			on deck		COMMENTS					
			1310		STOPPED WITH 780M WIRE OUT. ROSETTE AT 200!					
			1340							

[illegible]

CTD/ROSETTE SERIAL LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	45 04-4	126 08-39	
			23	LB15			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
5	8	94	zone	PDT	1540	500	
			in water	0316			
			down				
			on deck				

COMMENTS

[illegible]

CTD/ROSETTE S... LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 00.45		126 16.85			
			24	CR16						
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
5 8 94			zone	POT	DEEP		500 m			
			in water	0516						
			down							
			on deck	0549						
COMMENTS										
CTD only - crashed (line 979, Collected - 110 m prior) on view at surface										

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE
9431

STATION	
no.	I.D.
25	II01

LATITUDE
47 59.94

LONGITUDE
126 60 07

RECORDED BY

DA	MO	YR
5	8	94

TIME	
zone	PDT
in water	
down	0825
on deck	

SOUNDER (m)

CAST DEPTH (m)
500m

DATA BACKUP DISK

BOTTLE 5 - NO GLASS
NVT. TUBE

COMMENTS

crashed @ 250m on upcast restarted at 94310026 then
crash @ 80m restart as 94310027, renamed to 94310025b
renamed to 94310025c

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
520	1		1168	✓													
350	2		1176	✓													
250	3		1180	✓													
200	4		1181	✓													
150	5		1181	✓													
100	6		1182	✓													
75	7		1189	✓		✓											
50	8			✓		✓											
25	9			✓		✓											
10	10			✓		✓											

File 25

Tag 1

2

File 25b

Tag 1

3

2

3

File 25c

2

3

4

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	47°53.42'	126°12.12'	
			26	3001			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
5	8	94	zone	PDT			
			in water	0943			
			down	1000			
			on deck				

COMMENTS
Floor on (Version 1.24)

Ver 1 24

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE
9431

STATION
no. 27 I.D. 1002

LATITUDE
48 01.07

LONGITUDE
126 21.32

RECORDED BY

DA MO YR
5 8 94

TIME
zone PDT
in water 1108
down 1123
on deck

SOUNDER (m)

CAST DEPTH (m)

94310027
94310025

DATA BACKUP DISK

COMMENTS
CTD/R/Borgos Ver 1.24
New file renamed Tags 1-4 are not bottles, using wrong deck unit

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1		1120	✓				Tag 5									
350	2		1121	✓				Tag 6									
250	3		1122	✓				Tag 7									
200	4		1125	✓				Tag 8									
150	5		1126	✓				Tag 9									
100	6		1128	✓				Tag 10									
75	7		1129	✓		✓		Tag 1 false	2								
50	8		1130	✓		✓		Tag 2	"	"							
25	9			✓		✓		Tag 3	"	"							
10	10			✓		✓		Tag 4	"	"							

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	94 08.23	126 09 00	Rad
			28	J102			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
5	8	94	zone	PDT		500	
			in water	1350			
			down				
			on deck	1430			
COMMENTS							
CTD ONLY - NO BOTTLES							

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 15.5		126 18.8			
			29	J103						
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
5 8 94			zone	PDT			500			
			in water	1537						
			down							
			on deck							
COMMENTS										
PROGRAM CRASHED WHEN ARMING BOTTLE 3 NO TAG FOR BOTTLE 3. / SAME FOR BOTTLE 4. A STARTED DOING ALT B.										

29ⁱ
29b
29c
29d - eventually
used alt. b

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 08.88		126 30.50			
			30	J03						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
5	8	94	zone	PDT	2368		500 m			
			in water	1812						
			down							
			on deck							

COMMENTS
CAD only

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48° 16.4	126° 40.0	DLM/JRF
			31	JO 04			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
5	8	94	zone	PDT	2050m+	500m	
			in water	2000			
			down				
			on deck	2027			

COMMENTS
Top of Go-Flow didn't close, bottle #6

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 23.09		126 28.40		JBS	
			32	JT 04						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
5	8	94	zone	POT	1300		500			
			in water	2219						
			down							
			on deck	2240						

COMMENTS	
NO BOTTLES	

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	42.25.9	126 13.7	ROA
			33	6609			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
5	2	94	zone	PDT	610-60	500	
			in water	1156-2358			
			down				
			on deck	0035	COMMENTS HIGH ERROR RATE NEAR SURFACE CRASHED PROGRAM JUMP AFTER BOTTLE 9 TRIP RESTARTED. BOTTLE 10 IS TAG 1 OF FILE 9431033a.*		

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 29.03	126 07.44	REN
			34	LC8			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
6	8	94	zone	POT	195-202	190	
			in water				
			down				
			on deck	0216	COMMENTS		
			DISABLED FLUOR. CHANNEL. GENERATING HIGH ERROR RATE - CRASHED PROGRAM AT START.				

[illegible]

CTD/ROSETTE S...LER LOG SHEET

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY		
9431			no.	I.D.	48 36.40		125 54.10				
			36	LC06							
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK		
6 8 94			zone	PDT	93		85 90				
			in water	0442							
			down								
			on deck	0449							
			COMMENTS								
			CTD/Bongo Fl on reverse but no grade on downcast								

[illegible]

CRUISE		STATION		LATITUDE		LONGITUDE		RECORDED BY		
9431		no. 37 I.D. BS-LCS		48 29.94		175 47.50				
DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
6	8	94	zone P2T		65		60			
			in water							
			down							
			on deck 0549							
COMMENTS										
CTD/Bongo NO Filter										

[illegible]

CTD/ROSETTE SURVEYER LOG SHEET

CRUISE
9431

STATION	
no.	I.D.
38	LC04

LATITUDE
48°43.5'

LONGITUDE
125°40.50'

RECORDED BY

DA	MO	YR
6	8	94

TIME	
zone	
in water	
down	0645
on deck	

SOUNDER (m)
166

CAST DEPTH (m)
160m

DATA BACKUP DISK

COMMENTS
Crash lost bottle (rosette trip spikes) renamed 94310039 to 94310886

Depth (m)	Bottle Number									Thermometers (left)								(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.				
160	1	✓	1141	✓		✓															
125	2		1142	✓																	
100	3		1143	✓																	
75	4		1144	✓																	
50	5		1156	✓																	
25	6			✓																	
10	7			✓																	
0	8	✓		✓		✓															

Tag 1
Crash
286 - bottle #1

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	48 48.74 80	125 31.00 04	
		39	LC02			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
6	8	94	zone	110		
			in water			
			down			
			on deck			

COMMENTS
CTD/R. No Floor

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
100	1	✓	1154	✓													
75	2		1153	✓		✓											
50	3		1155	✓													
25	4			✓													
10	5			✓													
0	6	✓		✓		✓											

Bottle

CTD/ROSETTE SURVEYER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	48 30.92	126 37.50	
		40	J105			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
6	8	94	zone	1580	500	
			in water			
			down			
			on deck			

COMMENTS
computer crashed on upcast at ~50 m "View" only for remainder of upcast

[illegible]

CTD/ROSETTE S... LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.						
			41	5005						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
06	08	94	zone	PWT						
			in water	1650						
			down							
			on deck							

COMMENTS	
0 = 100 m (downcast) = 94310411 - Floor 100 = 500 m (downcast) = 94310416 - No Floor	

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 32.0 .18	126 58.93	
			42	J006			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
6	8	94	zone	PDT	2304		
			in water				
			down	1826			
			on deck				
COMMENTS							
Using Physics Guidline Deckunit NOT ONE ERR (Floor ON!)							

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 38.78		126 47.17		P.D.	
			43	JI 06						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
06	08	94	zone	PST	1480					
			in water	2037						
			down							
			on deck	2056						

COMMENTS
using Ocean Physics deck unit

[illegible]

7

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 46.53		126 58.59		ROD	
			44	J107						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
6	8	94	zone		1380		500			
			in water	1029						
			down							
			on deck							

COMMENTS	

[illegible]

CTD/ROSETTE SOUNDER LOG SHEET

CRUISE
943.1

STATION	
no.	I.D.
45	"G"

LATITUDE
49 39 10

LONGITUDE
127 38.57

RECORDED BY

DA	MO	YR
07	08	94

TIME	
zone	PRT
in water	0609
down	
on deck	0650

SOUNDER (m)
540

CAST DEPTH (m)
500

DATA BACKUP DISK

COMMENTS
1st cast at sed trap "G" site

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	14 C-Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1			✓		✓		✓									
400	2			✓		✓		✓									
300	3			✓		✓		✓									
200	4			✓		✓		✓									
100	5			✓		✓		✓									
50	6			✓		✓	✓	✓									
20	7			✓		✓	✓	✓									
5	8			✓		✓	✓	✓									

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.			
			46	NEWS (3)			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	8	94	zone	PJT	571	500 m	
			in water	0708			
			down	0725			
			on deck				
COMMENTS							
2nd cast (for VBC + $\text{Se} + \text{O}_2$) at "G"							

[illegible]

Need to rename
48 to 47b

[illegible]

+ bongos 0-50 & 0-250m

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	39	18	B.B.
			48	News (G)	4938.500	12942.165	
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	8	94	zone	PDT	757	500 m	
			in water				
			down	10:53			
			on deck				
COMMENTS							
Drifter #30 deployment site							

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	49 07.49	127 44.48	
		51	NEW 50			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	8	94	zone		500	
			in water			
			down			
			on deck			

COMMENTS
CTD/R at site "O" crash @ 300m Also 94310051 94310512

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1			✓		✓		✓									
400	2			✓		✓		✓									
300	3			✓		✓		✓									
200	4			✓		✓		✓									
100	5			✓		✓		✓									
50	6			✓		✓	✓	✓									
20	7			✓		✓	✓	✓									
5	8			✓		✓	✓	✓									

Tag
1
2
end of file
Bottle

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	49 07.46	127 48.19	
			52	New			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	8	94	zone	18.55	2500	200	
			in water		COMMENTS second cast this site		
			down				
			on deck				

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	490505	12819.12	ROD
			53	JER3			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	8	94	zone	POT.	2490	500	
			in water	2216			
			down	2227			
			on deck				

COMMENTS
LOST PROBE AT 10M UP NO TAG FOR 10

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY		
9431			no.	I.D.	44 46.95		127 58.95		R015		
			54	NEWS			127 59.04				
DA	MO	YR	TIME			SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
8	8	94	zone	POT		2507		500			
			in water	0210							
			down								
			on deck								
			COMMENTS								
			TRAP SITE '5'								

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
93431			no.	I.D.	48 47.02		127 59.06			
			55	NFWS						
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
8 8 94			zone	PMT						
			in water	0310						
			down							
			on deck							
COMMENTS										
SLOWLY CAST AT '5'. PROGRAM CRASHED ON UPGRADE RESTARTED AS STN 56 - TO BE RENUMBERED TO 55A										

[illegible]

DA	MO	YR
8	8	94

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	48 39.84		127 08.34		RDP	
			58	J007						

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
8	8	94	zone	PDT	2088	500m	
			in water	1433			
			down				
			on deck	1457			

COMMENTS
CTD only

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	48 47.66	127 17.85	
			57	J008			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
8	8	94	zone	PDI		500 m	
			in water	1600			
			down				
			on deck				

Pressure
P20995
499.3

[illegible]

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	48 54.12	127 05.89	
		60	5108			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
8	8	94	zone	lots	500 m	
			in water			
			down			
			on deck			

COMMENTS
CTD only (T calibration @ 500m) (+P)

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.			
			61	JJ09			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
8	8	94	zone	PBT	1741		
			in water	1960			
			down				
			on deck				

COMMENTS

[illegible]

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
94			no.	I.D.	48 55.16	127 27.02	Rod.
			62	J009			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
8	8	94	zone	POT	2078	500	
			in water				
			down				
			on deck	2215			

COMMENTS
C/A ONLY

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	4902.84		127 36.66		Roi	
			63	JO10						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
8	8	94	zone	PDT	2270		500			
			in water	2340						
			down							
			on deck							

COMMENTS

[illegible]

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	49 09.47		127 24.54		RCD	
			64	J810						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
9	8	94	zone	PBT	1706		500			
			in water	0147						
			down							
			on deck							

COMMENTS	
NO BOTTLES	

[illegible]

7

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	49 17.11	127 33.90	RDD
			65	3711			

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
9	8	94	zone	PBT	1804	500	
			in water	0326			
			down				
			on deck				

COMMENTS

[illegible]

49.8

30

16.6

CTD/ROSETTE S...LER LOG SHEET

CRUISE
9431

STATION	
no.	I.D.
66	J011

LATITUDE
49 10.48

LONGITUDE
127 45.88

RECORDED BY

DA	MO	YR
9	8	94

TIME	
zone	PDT
in water	0534
down	
on deck	

SOUNDER (m)

CAST DEPTH (m)
500 m

DATA BACKUP DISK

COMMENTS
CTD only (calib, bottle @ 500m)

P20995
499.7

Depth (m)	Bottle Number									Thermometers (left)								(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.				
500	1	✓		✓						T647		4.639		T451		4.642					
350	2			✓																	
250	3			✓																	
200	4			✓																	
150	5			✓																	
100	6			✓																	
75	7			✓																	
50	8			✓																	
25	9			✓																	
10	10	✓		✓																	

CTD/ROSETTE S... LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	49° 20' 07"	127° 35' 12"	
		67	J012			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
9	8	94	zone	2469	500	
			in water			
			down			
			on deck			

COMMENTS
CTD/R/Bongos

P20995
496.7

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1	✓	1125	✓						T647	4655			T451	4654		
350	2		1126	✓													
250	3		1125	✓													
200	4		1129	✓													
150	5		1130	✓													
100	6		1131	✓													
75	7		1132	✓													
50	8		1133	✓			✓										
25	9			✓			✓										
10	10	✓		✓			✓										

TCTD =
4.657

17' max

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	49 24 71	177 43.54	
		68	J112			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
9	8	94	zone	2000		
			in water			
			down			
			on deck			

COMMENTS
CTD only - cal bottle @ 500m

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE
9431

STATION	
no.	I.D.
69	J113

LATITUDE
49 32.48

LONGITUDE
127 52.73

RECORDED BY

DA	MO	YR
9	8	94

TIME	
zone	PDT
in water	1110
down	
on deck	

SOUNDER (m)
7900

CAST DEPTH (m)
500m

DATA BACKUP DISK

COMMENTS
CTD/R/Banyas (2)

P20995
500.8

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1	✓	1134 ✓							T451	4.723			T647	4.717		
350	2		1135 ✓														
250	3		1136 ✓														
200	4		1137 ✓														
150	5		1138 ✓														
100	6		1139 ✓														
75	7		1140 ✓														
50	8		1141 ✓			✓											
chl max 20	9			✓		✓											
10	10	✓		✓		✓											

TCTD = 4.722

14.8

10.7

CTD/ROSETTE S... LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
94131			no.	I.D.	49 25.88	128 04.76	ROA + TAFFY
			70	7013			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
9	8	94	zone	PDT.	2408	500	
			in water	1325			
			down				
			on deck	1344			
			COMMENTS				
			LTA ONLY.				

[illegible]

CTD/ROSETTE S. LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	48 43.49	128 14.17	ROD
		71	5014			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)
09	08	94	zone	PDT	2332	515
			in water			
			down	1505		
			on deck			
COMMENTS: ALT. T. ad FOR BOTTLES TO 200m WHERE PROGRAM CRASHED. SECOND DATA FILES RENAMED 9431031A* ALT. Bad FROM 300						

P20995
502.9

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1	✓	1171	✓						T451	4.466			T647	4.491		
350	2		1172	✓													
250	3		1173	✓													
200	4		1161	✓													
150	5		1162	✓													
100	6		1142	✓													
75	7		1143	✓													
50	8		1144	✓		✓											
	9			✓		✓											
10	10	✓		✓		✓											

from Dave's
spreadsheet
20

7

10-5

500
4.737

CTD/ROSETTE S. LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	49 47.51	128 11.57	
		73	JL15			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
9	8	94	zone		500	
			in water			
			down			
			on deck			

COMMENTS
CTD/R/Bongos (2)

P20995
495.1

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1									T451		4.672		T647		4.668	
350	2																
250	3																
200	4																
150	5																
100	6																
75	7																
50	8																
chl max	9																
10	10																

P = 497.8
T = 4.676

42m

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	49 40.78		128 23.28		ROD & TAPP	
			74	JO15						
DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
9	8	92	zone	PBT	2241.8		500			
			in water	2117						
			down							
			on deck	2142						
					COMMENTS		CTD ONLY			

[illegible]

CTD/ROSETTE S. J. LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	49 52.41		128 11.02		ROD	
			75	LBP7						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
4	8	94	zone	PAT	2198		500			
			in water	2314						
			down	2326						
			on deck							

COMMENTS
CUT ONLY

[illegible]

CTD/ROSETTE S... LER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	4956.30		12805.44		ROD + TAPPY	
			76	LBP6						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
10	8	94	zone	PDT	744- 799		500			
			in water							
			down	0035						
			on deck	0103						

COMMENTS	

p
492.0

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	50 01.37	127 58.16	TAPPY & RBD.
			77	LB84			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	8	94	zone	POT	1011	500	
			in water	0240	COMMENTS		
			down				
			on deck				

[illegible]

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	50 04.11	127 54.27	
		78	LBP2			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	8	94	zone	97	90	
			PDT			
			in water			
			0429			
			down			
			on deck			

COMMENTS
CTD/R/Bompos

P20995
9/1.5

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
95	1	✓	1139	✓						T451		7.075		T647		7.069	
75	2		1135	✓													
50	3		1136	✓		✓											
25	4		1137	✓		✓											
50	5		1138	✓		✓											

del
max → 1.2
(low overrange
on floor)

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	50 10.96	129 01.04	
		79	5019			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	8	94	zone		500	
			in water			
			down			
			on deck			

COMMENTS

GPS fixed. Pos'n's in header are correct
(4 HDR files)

GPS was sending too many digits, messing up formatting

CTD T=4.621
P=499.8

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1	✓								T451		4.622		T647		4.615	
350	2									P2098		499.7	(pressure)				
250	3																
200	4																
150	5																
100	6																
75	7																
50	8																
28	9																
10	10																

chl not

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	50 17.80	128 49.90	
		80	JI 19			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	08	94	zone	1972	500 m	
			in water			
			down			
			on deck			

COMMENTS
CTD/Rosette

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1		✓ 1147	✓													
350	2		✓ 1150	✓													
250	3		✓ 1149	✓													
200	4		✓ 1153	✓													
150	5		✓ 1157	✓													
100	4		✓ 1152	✓													
75	7		✓ 1153	✓		W											
50	8		✓ 1154	✓		✓											
chl max	9			✓		✓											
10	10	✓		✓		✓											

35

CTD
P = 500.5
T = 4.641

CTD/ROSETTE S... LER LOG SHEET

CRUISE			LATITUDE		LONGITUDE		RECORDED BY	
9431			no. 22		I.D. JI 17		ROD	
DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)	
10	8	94	zone PDT		1753		500	
			in water 1449					
			down					
			on deck 1521					
			COMMENTS					

P2099
499.8

[illegible]

CTD/ROSETTE SPALLER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	49 55.96		128 42.38			
			83	JO17						
DA MO YR			TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
10 8 94			zone	PJT			500m			
			in water							
			down							
			on deck							
COMMENTS										
CTD - All bottles @ 200m for sed traps.										

$$\frac{P2099.5}{299.5 \text{ lb}}$$
[illegible]

CVD
P = 299.9
T = 5.4419

CTD/ROSETTE S...LER LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9431		no.	I.D.	49 48.37	128 32.93	
		84	J016			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	8	94	zone	1550	500m	
			in water			
			down			
			on deck			

COMMENTS
CTD/R + Bongos 2

P20995
499.9 M

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1	✓	✓	✓						T451		4.503		T647		4.499	
350	2		✓	✓													
250	3		✓	✓													
200	4		✓	✓													
150	5		✓	✓													
100	6		✓	✓													
75	7		✓	✓													
50	8		✓	✓		✓											
39	9			✓		✓											
10	10			✓		✓											

CTD
P = 500.4
T = 4.507

CTD/ROSETTE S...LER LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9431			no.	I.D.	49 55.04	128 21.07	ROD
			85	JT16			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
10	8	94	zone	POT	2027	500	
			in water	2035			
			down				
			on deck				
COMMENTS							
NO BOTTLES							

[illegible]

CTD/ROSETTE SHOOTER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9431			no.	I.D.	49 12.96		127 12.84			
			86	NEWS						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
11	8	94	zone	POT	737		250			
			in water	0413						
			down							
			on deck							

COMMENTS
RECOVERED DRIFTER #30.

[illegible]

P2099 S
499.9

[illegible]