

CRUISE
NUMBER

98-18

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

98 08 24.

VESSEL

W.E. RICKER

PROJECT

High Seas Salmon

Captain: S SCHWARZ First Officer: S DOCKERILL
Second Officer: B CAMPBELL Third Officer: _____
Cruise Participants / Agencies: PBS / WELCH
Scientific Personnel: Party Chief: DAVID WELCH

Name	Watch	Cabin
DAVID WELCH (CHIEF SC)		
JOHN WARRIS		
JOHN LOVE (CONTR)	2	
JULIAN WICKSTEED		
JENNIFER FITSGERALD		
MAORIKO WELCH		
MAYA OLLEK		
LESLIE ZEDNAI		

Name	Watch	Cabin
PBS		
PBS		
Contract (Sidney)		
Student (AUSTRALIA)		
- Student (NEW ZEALAND)		

Second leg of cruise: Party Chief:

[illegible]

Data logging system: Unit no.: 735

Program Name: _____

Program version: _____

CTD deck unit make: Gulldine model: 87107 serial no.:

Computer make: Touch model: 486 serial no.: 58 995

1st CTD make: GULDBLIND model: 8715 serial no.: _____

Temperature sensor
model: _____ serial no.: _____

coefficients: slope: 9.99875E-01 offset: -2.73180E-03

Conductivity sensor
model: _____ serial no.: _____

coefficients: slope: 9.99729E-01 offset: 5.03156E-05

Pressure sensor range: _____ psi serial no.: _____

coefficients: FSP: 2000 dB offset: _____

Transmissometer
model: _____ serial no.: 572

coefficients: slope: - 2.50623 offset: 125.304

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: _____ 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: Sea-Bird *Thermosalinograph.* Time zone: UTC - GPS

Sampling interval: 15 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: _____

Johnstone Straite

Station 54, This station was a test cast of fishing nets Bongoes
and CTD. Samples from the loop included
2 x Nutrients, Salinity, Chloro, O₂ and Ba.

All equipment worked and the data collected on the CTD system
was satisfactory.

98-08-26 13:57 UTC

Cast # 3 down 4 up Bad salinity, re do cast
after the Bongo

2nd Cast salinity OK.

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP				CRUISE				PAGE		OF	
1998			AUG			W. E. RICKER				9818				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			
26	Jø1	CTD	0205	BE	1	50 28 24	126 09 11	GPS	330	323	1	LOOP	Y	2x NUT SAL CHLO Ba 018			
26	Jø1	CTD	0212	Bo	1/2	50 28 24	126 9 23	GPS						NET TOW # 1			
26	Jø1	CTD	0219	EO	2	50 28 21	126 09 26	GPS						BONGO # 1			
26	Tø1	CTD	1357		3	51 15 16	128 13 18	GPS			2	Loop	Y	2x NUT SAL CHLO Ba 018			
26	Tø1	CTD	1359		3/4	51 15 13	128 13 36	GPS	40	32				Tow # 2			
26	Tø1	CTD	1401		4	51 15 13	128 13 38	GPS						BONGO # 2			
26	Tø1	CTD	1419		5	51 15 09	128 13 88	GPS									
26	Tø1	CTD	1421		5/6	51 15 12	128 13 86	GPS	44	37							
26	Tø1	CTD	1422		6	51 15 12	128 14 02	GPS									
26	Tø2	CTD	1524		7	51 11 90	128 19 93	GPS	150	145			Y	Tow # 3 BONGO 3			
26	Tø2	CTD	1528		7/8	51 11 91	128 19 98	GPS			3	Loop	Y	2x NUT SAL CHLO Ba 018			
26	Tø2	CTD	1532		8	51 11 91	128 20 03	GPS									
26	Tø3	CTD	1707		9	51 07 358	128 29 29	GPS	155				Y	Tow # 4 BONGO 4			
26	Tø3	CTD	1712		9/10	51 7 24	128 29 64	GPS			4			2x NUT SAL CHLO Ba 018			
26	Tø3	CTD	1717		10	51 07 21	128 29 70	GPS									
26	Tø4	CTD	1919		11	51 01 04	128 43 74	GPS			5		Y	Tow 5 BONGO 5			
26	Tø4	CTD	1922		11/12	51 01 07	128 43 78	GPS									
26	Tø4	CTD	1924		12	51 01 09	128 43 77										

CAST TYPE - BOT - bottle cast

FOS - rosette

USW - sea water loop

TIME CODE - BE

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

98 08 26 1800 PDT End fishing for the day. Proceed to end of TØ line
offshore and complete CTD stations inbound until 0600 98.08.27

NOTE

Cast T15 5 wraps on winch drum at 1486 metres. Out.
Could not do the 1500 calibration sample

Stopped at 1000 metres for calib. on upcast #18

Messenger down at 0942 UTC Start up @ 0848 UTC

0623 PDT

Resume fishing along T line at T13.
inbound.

Tow # 8 Bongo # 8.

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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	
26	T05	CTD	2154	BE	13	50	54 65	128	58 96	GPS	63	58	6	Loop	gl	SAL NUT 0.8 Ba PHYTO	
26	T05	CTD	2157	BO	13/14	50	54 64	128	58 98	GPS					V	Tow 6 BONGO 6	
26	T05	CTD	2159	EN	14	50	54 62	128	59 01	GPS							
26	T06	CTD	2338	BE	15	50	50 48	129	08 55	GPS					gl		
26	T06	CTD	2342	BO	15/16	50	50 49	129	08 56	GPS			7	Loop	gl	SAL NUT 0.8 2xNUT PHY	
26	T06	CTD	2344	EN	16	50	50 51	129	08 56	GPS						Tow 7 BONGO 7	
27	T15	CTD	0858	BE	17	50	09 20	130	40 29	GPS	2500	1486			gl	SAL + NUT 0.8 Ba PHYTO	
27	T15	CTD	0929	BO	17/18	50	08 86	130	40 56	GPS			8-9	2	V	SAL CALIB 1000	
27	T15	CTD	1048	EN	18	50	08 82	130	40 58	GPS	2500	1000				No Fishing	
27	T14	CTD	1121	BE	19	50	13 91	130	30 09	GPS	2500	1000	10	1	gl	2xNUT 0.8 SAL Ba PHYTO	
27	T14	CTD	1139	BO	19/20	50	13 71	130	30 35	GPS						No Fishing.	
27	T14	CTD	1153	EN	20	50	13 57	130	30 35	GPS							
27	T13	CTD	1302	BE	21	50	18 47	130	20 024	GPS	2000	1000	11		gl	Tow 8 BONGO 8	
27	T13	CTD	1323	BO	21/22	50	18 5	130	20 054	GPS							
27	T13	CTD	1335	EN	22	50	18 28	130	20 02	GPS							
27	T12	CTD	1521	BE	23	50	22 084	130	09 735	GPS	1200	500	12.		gl		
27	T12	CTD	1531	BO	23/24	50	22 86	130	09 70	GPS							
27	T12	CTD	1537	EN	24	50	22 83	130	09 71	GPS							

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 -

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GPS -
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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
27	T11	CTD	1642	BE	25	50 27 61	129 59 43	GPS	2000	500		13	1	gl	NUTX4 SAL Ba O18 PHYTO
27	T11	CTD	1653	Bo	25/26	50 27 56	129 59 35	GPS						gl	
27	T11	CTD	1700	EN	26	50 27 56	129 59 35	GPS							
27	T10	CTD	1823	BE	27	50 33 40	129 44 34	GPS	1000 ⁺	500		14	1	gl	NUTX2 SAL Ba O18 PHYTO
27	T10	CTD	1832	Bo	27/28	50 33 31	129 44 29	GPS							
27	T10	CTD	1840	EN	28	50 33 31	129 44 29	GPS							
27	T09	CTD	1918	BE	29	50 36 47	129 38 78	GPS				15		gl	TOW 9 + BONGO 9
27	T09	CTD	1928	Bo	29/30	50 36 47	129 38 77	GPS	2300	500				gl	
27	T09	CTD	1940	EN	30	50 36 64	129 38 69	GPS							2x NUT SAL O18 Ba PHYTO
27	T08	CTD	21:39	BE	31	50 40 80	129 27 56	GPS				16		gl	4x NUT SAL O18 Ba PHYTO
27	T08	CTD	21 50	Bo	31/32	50 40 80	129 27 43	GPS						gl	TOW 10 BONG 10
27	T08	CTD	21 57	EN	32	50 40 86	129 27 26	GPS							
27	T07	CTD	2338	BE	33	50 46 18	129 17 64	GPS	152			17		gl	TOW 11 BONGO 11
27	T07	CTD	2344	Bo	33/34	50 46 14	129 17 46	GPS		145				gl	2x NUT SAL O18 Ba PHYTO
27	T07	CTD	2347	EN	34	50 46 12	129 17 44	GPS							
28	H01	CTD	1305	BE	35	51 55 40	128 33 32	GPS				18		gl	TOW 12 BONGO 12
28	H01	CTD	1309	Bo	35/36	51 55 40	128 33 33	GPS	124	116				gl	4x NUT SAL O18 Ba PHYTO
28	H01	CTD	1311	EN	36	51 55 48	128 33 35	GPS							

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

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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
28	H02	CTD	1458	BE	37	51 58 61	128 45 19	GPS	162	155	19			YL	SAL 2xNUT 0.8 Ba Phyto LOOP
28	H02	CTD	1502	Bo	37/38	51 58 54	128 45 14	GPS							Tow 13 Bonco 13
28	H02	CTD	1505	EN	38	51 58 54	128 45 10	GPS							
28	H03	CTD	1655	BE	39	52 01 97	128 56 97		178	170	20			YL	SAL 2xNUT 0.8 Ba Phyto. LOOP
28	H03	CTD	1659	Bo	39/40	52 01 93	120 56 95								Tow 14 Bonco 14
28	H03	CTD	1702	EN	40	52 01 91	120 56 95								
28	H04	CTD	1849	BE	41	52 05 35	129 08 32		138		21			YL	Tow 15 Bonco 15
28	H04	CTD	1854	Bo	41/42	52 05 35	129 08 31								4 NUTs SAL 0.8 Ba Phy
28	H04	CTD	1857	EN	42	52 05 33	129 08 28								LOOP
28	H05	CTD	2035	BE	43	52 08 86	129 19 92		153		22			YL	Tow 16 Bonco 16
28	H05	CTD	2040	Bo	43/44	52 08 81	129 19 97								2xNUT SAL 0.8 Ba Phyto LOOP
28	H05	CTD	2043	EN	44	52 08 80	129 19 94								
28	H06	CTD	2228	BE	45	52 12 15	129 32 03		212	207	23			YL	2xNUT SAL 0.8 Ba Phy LOOP
28	H06	CTD	2232	Bo	45/46	52 12 15	129 32 09								Tow 17 Bonco 17
28	H06	CTD	2236	EN	46	52 12 15	129 32 12								
29	H07	CTD	0018	BE	47	52 15 48	129 43 89		207	200	24			YL	2xNUT SAL 0.8 Ba Phyto LOOP
29	H07	CTD	0022	Bo	47/48	52 15 47	129 43 82								Tow 18 Bonco 18
29	H07	CTD	0026	EN	48	52 15 47	129 43 75								

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

Con # 58 upcast Bottle on the CTD wire

Will trip and start the upcast at 400 m.

Messenger Time down.	0502
Messenger away @	0504
Start up @	0507
Depth of CTD	393 M

Salinity reading	CTD
33.950	
Temp	5.376
Ratio	0.77026

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1998		Aug		W.E RICKER		9818		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
29	Dø1	CTD	1946	BE	49	54 34 84	132 19 93	GPS	248	248	25	1	JL	4 NUT SAL Ba 0.8 Phyto
29	Dø1	CTD	1953	Bo	49/50	54 34 95	132 19 99	GPS						Tow 19 BONGO 19
29	Dø1	CTD	1957	EN	50	54 34 89	132 20 03	GPS						
29	Dø2	CTD	2247	BE	51	54 31 79	132 32 77	GPS	329		26		JL	2 NUT SAL Ba 0.8 PHYTO
29	Dø2	CTD	2254	Bo	51/52	54 31 79	132 32 60	GPS						
29	Dø2	CTD	2258	EN	52	54 31 79	132 32 47	GPS						Tow 20 BONGO 20
30	Dø3	CTD	01:00	BE	53	54 28 56	132 45 76	GPS	382		27		JL	2x NUT SAL Ba 0.8 PHYTO
30	Dø3	CTD	01:07	Bo	53/54	54 28 41	132 45 69	GPS		374				
30	Dø3	CTD	01:13	EN	54	54 28 33	132 45 66	GPS						Tow 21 BONGO 21
30	Dø4	CTD	0337	BE	55	54 22 55	132 00 72	GPS			28		JL	
30	Dø4	CTD	0342	Bo	55/56	54 22 52	132 00 82	GPS	227	210				Tow 22 BONGO 22
30	Dø4	CTD	03	EN	56	54 22 50	132 00 82	GPS						
30	Dø5	CTD	0453	BE	57	54 22 20	133 11 35	GPS			29		JL	2x NUT SAL Ba 0.8 PHYTO
30	Dø5	CTD	0506	Bo	57/58	54 22	133 11	GPS	458	400				NO Tow OR BONGO.
30	Dø5	CTD	0512	EN	58	54 22 07	133 11 72	GPS			30		←→	400 M CALIB SAL.
30	Dø6	CTD	0608	BE	59	54 19 05	133 24 33	GPS	384	351	31		JL	2x NUT SAL 0.8 Ba Phyto
30	Dø6	CTD	0617	Bo	59/60	54 19 06	133 24 36	GPS						Bottom sheaving
30	Dø6	CTD	0622	EN	60	54 19 05	133 24 41	GPS						

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

6:12

DAILY LOG

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1998		AUG		W.E. RICKER		9818		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
30	D07	CTD	0724	BE	61	54 15 76	133 37 08	GPS	278	265	32	1	fl	2x NUT SAL 018 Ba Phyto
30	D07	CTD	0730	Bo	61/62	54 15 77	133 37 19	GPS						No Bongo or Tow
30	D07	CTD	0735	EN	62	54 15 75	133 37 21	GPS						
30	D08	CTD	0840	BE	63	54 12 73	133 49 55	GPS	444	430	33	1	fl	2x NUT SAL 018 Ba Phyto
30	D08	CTD	0848	Bo	63/64	54 12 72	133 49 67	GPS						No Tow or Bongo
30	D08	CTD	0856	EN	64	54 12 72	133 49 70	GPS						
30	D09	CTD	0957	BE	65	54 09 50	134 02 25	GPS	1750	1000	34		fl	2x NUT SAL 018 Ba Phyto
30	D09	CTD	1019	Bo	65/66	54 09 49	134 02 25	GPS						
30	D09	CTD	1035	EN	66	54 09 47	134 02 29	GPS						No Bongo or Tow
30	D10	CTD	1138	BE	67	54 06 41	134 15 22	GPS	2500	1000	35		fl	2x NUT SAL 018 Ba
30	D10	CTD	1157	Bo	67/68	54 06 37	134 15 50	GPS	2500	1000				Phyto
30	D10	CTD	1212	EN	68	54 06 34	134 15 59	GPS						No Tow or Bongo
30	D11	CTD	1312	BE	69	54 03 28	134 28 22	GPS	2500	1000	36		DW	No Tow or Bongo
30	D11	CTD	1334	Bo	69/70	54 03 53	134 28 67							
30	D11	CTD	1352	EN	70	54 03 53	134 28 97	GPS						Stopped backing off to fix ship on cable drum.
30	D12	CTD	1458	BE	71	53 59 38	134 40 08	GPS	2500		37		DW	No Tow nor Bongo
30	D12	CTD	1515	Bo	71/72	54 00 13	134 40 50	GPS						
30	D12	CTD	1529	EN	72	54 00 22	134 40 33	GPS						

CAST TYPE -

BOT -
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ctd
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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 -
GLOBAL
LOR -RADAR
GLOBAL
LORAN

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DAILY LOG

OCEAN PHYSICS

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YEAR	1998			MONTH	AUG		SHIP	W.E. RICKER			CRUISE	9818		PAGE	6	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			
30	D07	CTD	0724	BE	61	54 15 76	133 37 08	GPS	278	265	32	1	JL	2x NUT SAL 018 Ba Phyto			
30	D07	CTD	0730	Bo	61/62	54 15 77	133 37 19	GPS						No Bongo or Tow			
30	D07	CTD	0735	EN	62	54 15 75	133 37 21	GPS									
30	D08	CTD	0840	BE	63	54 12 73	133 49 55	GPS	444	430	33	1	JL	2x NUT SAL 018 Ba Phyto			
30	D08	CTD	0848	Bo	63/64	54 12 72	133 49 67	GPS						No Tow or Bongo			
30	D08	CTD	0856	EN	64	54 12 72	133 49 70	GPS									
30	D09	CTD	0957	BE	65	54 09 50	134 02 25	GPS	1750	1000	34		JL	2x NUT SAL 018 Ba Phyto			
30	D09	CTD	1019	Bo	65/66	54 09 49	134 02 25	GPS									
30	D09	CTD	1035	EN	66	54 09 47	134 02 29	GPS						No Bongo or Tow			
30	D10	CTD	1138	BE	67	54 06 41	134 15 22	GPS	2500	1000	35		JL	2x NUT SAL 018 Ba			
30	D10	CTD	1157	Bo	67/68	54 06 37	134 15 50	GPS	2500	1000				Phyto			
30	D10	CTD	1212	EN	68	54 06 34	134 15 59	GPS						No Tow or Bongo			
30	D11	CTD	1312	BE	69	54 03 28	134 28 22	GPS	2500	1000	36		DW	No Tow or Bongo			
30	D11	CTD	1334	Bo	69/70	54 03 53	134 28 67										
30	D11	CTD	1352	EN	70	54 03 53	134 28 97	GPS						Stopped & backed off to fix ship on cable drum.			
30	D12	CTD	1458	BE	71	53 59 38	134 40 08	GPS	2500		37		DW	No Tow nor Bongo			
30	D12	CTD	1515	Bo	71/72	54 00 13	134 40 50	GPS									
30	D12	CTD	1529	EN	72	54 00 22	134 40 33	GPS									

CAST TYPE - BOT - bottle cast
CTD - ctd
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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

30 Aug

Stn D16 Wind increasing this will be the last station
on the line before heading up to Alaska Peninsular

14:30 PDT

Calibration bottle on the CTD wire Trip on upcast at
21:30 UT 1000 metres.

Messenger down at. 21:46:10 UT

Start up @ @ 21:52:20 UT

Salinity sample # 42

CTD Salinity 34.365

CTD Ratio 0.73765

CTD Temp 3.083

Depth 997

Depth Range 997 - 1004
during messenger descent

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1998			August			W2 Ricker			9818			7			
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
30	D13	CTD	1632	BE	73	53 56 89	134 53 48	GPS	22500	1000	38	LOOP 1	DLW	Neither Tow nor Bong	
30	D13	CTD	1652	BO	73/74	53 56 89	134 53 31	GPS							
30	D13	CTD	1706	EN	74	53 57 03	134 53 32	GPS							
30	D14	CTD	1815	BE	75	53 53 77	135 06 48	GPS	22500	1000	39	LOOP 1	DLW	Neither Bong nor Tow, Alas!	
30	D14	CTD	1833	BO	75/76	53 53 86	135 06 30	GPS							
30	D14	CTD	1847	EN	76	53 53 85	135 6 21	GPS							
30	D15	CTD	1958	BE	77	53 50 54	135 19 19	GPS			40	LOOP 1	fl	No Bong No Tow.	
30	D15	CTD	20 09	BO	77/78	53 50 61	135 19 06	GPS	22500	1000					4xNUT SAL Ba O18 Phyt
30	D15	CTD	2024	EN	78	53 50 70	135 19 10	GPS				LOOP			
30	D16	CTD	2127	BE	79	53 47 04	135 31 45	GPS	22500	1000	41	WIRE 2	fl	2xNUT SAL Ba O18 Phyl	
30	D16	CTD	2147	BO	79/80	53 47 17	135 31 48	GPS							
30	D16	CTD	2205	EN	80	53 47 38	135 31 40	GPS			42		fl	CALIB @ 1000	
31	CS1	CTD	1708	BE	81	56 26 50	134 23 58	GPS	337					fl	Tow 23 Bong 23
31	CS1	CTD	1718	BO	81/82	56 26 52	134 23 57	GPS		324	—				
31	CS1	CTD	1721	EN	82	56 26 52	134 23 51	GPS							
31	CS2	CTD	1925	BE	83	56 32 08	134 27 57	GPS	432	425	—			fl	Tow 24 Bong 24
31	CS2	CTD	1934	BO	83/84	56 32 03	134 27 51	GPS							Tow 24 Bong 24
31	CS2	CTD	1940	EN	84	56 32 01	134 27 40	GPS							

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

Bø6 Calibration bottle on wire at 500 m

Probe Temp 4.501
SAL 34.026

0600 hr Messenger away

Start up @ 06:04

Bø9 Con # 95 Note some noise on temperature trace
at ≈ 800 m This is the first time I have
seen this during the cruise. Seems to be fine on the up trace

Uptrace had no problem with any channel.

I will check connections and continue to monitor
the situation.

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1998		Sept		W.E. RICKER		9818		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
1	B04	CTD	0406	BE	85	56 09 85	135 14 57	GPS	290	280	43	1	YL	SAL 2X NUT Ba O18 Phyto LOOP
1	B04	CTD	0412	Bo	85/86	56 09 85	135 14 64	GPS						
1	B04	CTD	0418	EN	86	56 09 90	135 14 75	GPS						13.290
1	B05	CTD	0457	BE	87	56 07 07	135 21 36	GPS	313	300	44		YL	4X NUT SAL Ba O18 Phyto LOOP
1	B05	CTD	0503	Bo	87/88	56 07 09	135 21 38	GPS						13.226
1	B05	CTD	0509	EN	88	56 07 15	135 21 40	GPS						
1	B06	CTD	0552	BE	89	56 04 39	135 28 05	GPS	576	500	45	2	YL	2 NUT SAL Ba O18 Phyto LOOP
1	B06	CTD	0600	Bo	89/90	56 04 40	135 28 06	GPS						
1	B06	CTD	0611	EN	90	56 04 50	135 28 18	GPS			46			CALIBRATION 2500m
1	B07	CTD	0657	BE	91	56 01 63	135 34 50	GPS	806		47	1	YL	2 X NUT SAL Ba O18 Phy
1	B07	CTD	0712	Bo	91/92	56 01 66	135 34 52	GPS						
1	B07	CTD	0723	EN	92	56 01 70	135 34 55	GPS						
1	B08	CTD	0805	BE	93	55 58 98	135 41 27	GPS	1350	1000	48	1	YL	2X NUT SAL Ba O18 Phyto
1	B08	CTD	0823	Bo	93/94	55 58 97	135 41 35	GPS						
1	B08	CTD	0837	EN	94	55 58 88	135 41 39	GPS						
1	B09	CTD	0947	BE	95	55 54 00	135 53 01	GPS	72000	1000	49		YL	4 NUT SAL Ba O18 PHYTO
1	B09	CTD	1004	Bo	95/96	55 53 95	135 53 05	GPS						See note
1	B09	CTD	1017	EN	96	55 53 95	135 53 04							

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

Note
13:20 UT

1 Sept.

Problems with temperature channel Pressure dependant.
around 300 - 400 metres
will check connections after end of this cast.
Seems to be OK on the upcast.

Cleaned temperature connector no other problems
with the temperature channel however casts did not go
below 300m which seemed to be the depth where the problem
occurred.

Sept 3 15:00 PDT

Sullivan Wicksteed Australian Student was severely injured
while taking a photograph of the fishing net after a large
haul of Pacific Sardines were brought aboard.

He was at the stern of the vessel when one of the trawl
doors dropped. Some malfunction of the winch allowed
the port warp line holding the door to run out 2 or 3 metres.
The chain that was attached to the door and anchored to
the rail became tight. It picked Sullivan up and carried
him over the guard rail on to the fishing deck.
Medical attention was administered by the ship's crew and
an air lift was arranged through the emergency rescue centre.
A medical team was parachuted to the Rickan and
Sullivan was taken to Kitimat Hospital and then to Vancouver
by helicopter and A.C. ambulance.

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR	MONTH				SHIP				CRUISE				PAGE	OF		
1998	SEPT				W.E. RICKER				9818				9			
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
1	B10	CTD	1130	BE	97	55 49 42	136 04 60	GPS	>2000		1000	50	1	JL		2 NUT SAL 018 Ba Phys - 000 PS
1	B10	CTD	1148	Bo	97/98	55 49 40	136 04 49	GPS								Noise Temp
1	B10	CTD	1201	EN	98	55 49 39	136 04 43	GPS								
1	B11	CTD	1309	BE	99	55 44 80	136 16 09	GPS				51		JL		2 NUT SAL 018 Ba Phys
1	B11	CTD	1327	Bo	99/100	55 44 68	136 16 27	GPS	>2000	1000						Note Noise Temp
1	B11	CTD	1342	EN	100	55 44 68	136 16 47	GPS								use up cast?
1	B03	CTD	2031	BE	101	56 14 95	135 4 67	GPS	147	140	52			DW		started down before I gave ok! Use up cast.
1	B03	CTD	2034	Bo	101/102	56 14 94	135 4 97	GPS							Bento	NET #25
1	B03	CTD	2041	EN	102	56 14 94	135 5 18	GPS								Synon drum - had to pay out some cable from 20-24 m.
1	B02	CTD	2148	BE	103	56 16 38	134 58 95	GPS	135	132	53			DW		
1	B02	CTD	2153	Bo	103/104	56 16 48	134 58 60	GPS							Bento	NET #26
1	B02	CTD	2156	EN	104	56 16 54	134 58 56	GPS								
1	B01	CTD	2310	BE	105	56 14 30	134 55 63	GPS	155	150	54			JL		2 X NUT SAL 018 Ba Phys
1	B01	CTD	2313	Bo	105/106	56 14 39	134 55 65	GPS								
1	B01	CTD	2317	EN	106	56 14 46	134 55 67	GPS								
3	X01	CTD	1314	BE	107	53 23 59	129 12 38		423	410						CTD taken at entrance to Douglas Channel near Grenville Sound - nonstratified
3	X01	CTD	1325	Bo	107/108	53 23 59	129 12 38	GPS								CTD locked up during night
3	X01	CTD	1331	EN	108	53 23 62	129 12 42	GPS								restarted at 13:32 UTC & relocked immediately

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

USW -

sea water loop

TIME CODE -

BE -

beginning time of cast

DE -

deployment time

POSITION CODE -

RAD -

RADAR

CTD -

ctd

NET -

net haul

MO -

mooring

BO -

bottom time of cast

MR -

messenger release

GPS -

GLOBAL

MOR -

mooring

DRF -

drifter

EN -

end of cast

RE -

recover mooring

LOR -

LORAN