

CRUISE
NUMBER

9744

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

Nov 3 to 14, 1997

VESSEL

VECTOR

PROJECT

INLETS

Captain: Brian Pennell
 Second Officer: _____
 First Officer: Sean
 Third Officer: _____

Cruise Participants / Agencies: TOS

Scientific Personnel: Party Chief: D. Stacchi

[illegible]

Second leg of cruise: _____ Party Chief: _____

[illegible]

Data logging system: Unit no.: P31

Program Name: Sea Save

CTD deck unit make: Sea Bird
model: +
serial no.:
program version: 1

Computer make: P31
model: 526-1
serial no.:
serial no.:

1st CTD make: Sea Bird model: 911+ serial no.: 0437

Temperature sensor
coefficients: slope: _____
model: 3p/az serial no.: 2106/2062
offset: _____

Conductivity sensor
model: 4C
serial no.: 1748 / 1764
coefficients: slope: offset:

Pressure sensor range: _____ psi serial no.: _____

coefficients: FSP: _____ dB offset: _____

Transmissometer model: serial no.:
coefficients: slope: offset:

Comments: _____

2nd CTD make: Gurdlire model: 8715 serial no.: 58482
Temperature sensor model: serial no.:
coefficients: slope: offset:
Conductivity sensor model: 87410 serial no.: 58816
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: 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:

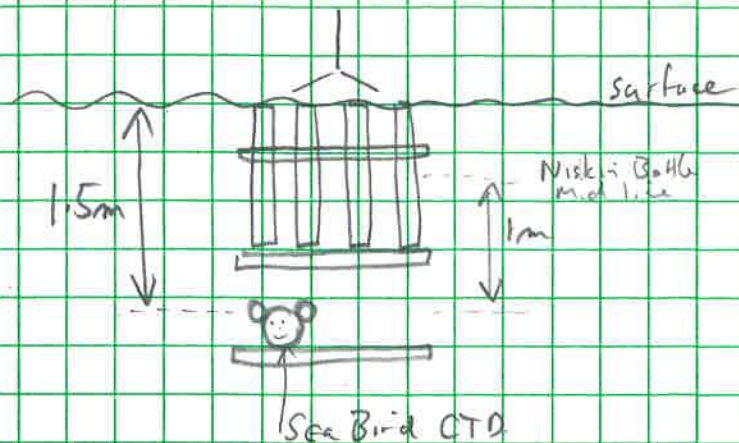
Program version: number of depth bins:
Time zone: bin length (2x):
Sampling interval: sec pulse length:
Blank beyond transmit: pings per ensemble:
Pulse cycle time:
% pings good threshold:

Comments:

Data Processing

① cast 108: has curious salinity differences, look at this profile in more detail
I suggest a T-S plot.

② The starting depth or surface depth for all CTD/rosette casts is 1.5m below the surface. (see diagram below).



DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE								PAGE		OF	
1997		Nov		VECTOR		9744								11			
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			
03	S3	ROS	2351	BE	001	48 35.33	123 30.05		220						97440001.DAT		
03	S3	ROS	2359	BO	1/2	48 35.31	123 30.11								97440002.DAT		
03	S3	ROS		EN	2						1-12	12					
04	Kn1	ROS	2127		3	50 38.13	126 25.42		252		13-24	12			97440003.DAT		
04	Kn1	ROS	2133		3 1/2	50 38.12	126 25.41										
04	Kn1	ROS			4										97440004.DAT		
04	Kn2	ROS	2249		5	50 39.34	126 11.02		180		25-34	10			97440005.DAT		
04	Kn2	ROS	2255		6	50 39.35	126 11.06								97440006.DAT		
05	Kn4	ROS	0004	BE	7	50 40.68	125 56.28								"Access denied" to this file		
05	Kn4	ROS	0014	BO	7/8	50 40.64	125 56.28								97440007.DAT		
05	Kn4	ROS	0030	EN	8	50 40.67	126 56.31		441		35-49	15					
05	Kn5	ROS	0111	BE	9	50 41.57	125 47.00										
05	Kn5	ROS		BO	9/10												
05	Kn5	ROS	0118	EIX	10	50 41.58	125 46.97				50-63	14					
05	Kn6	ROS	0238	BE	11	50 48.06	125 37.30										
05	Kn6	ROS	0249	BO	11/12	50 48.01	125 37.41										
05	Kn6	ROS	0306	EN	12	50 48.05	125 37.47		520		64-79	16					

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

DAILY LOG

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YEAR 1997			MONTH Nov.			SHIP VECTOR				CRUISE 9744				PAGE 2	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	
05	Kn9	ROS	0406	BE	13	50 54.33	125 32.81								
05	Kn9	ROS	0415	BO	13/14	50 54.34	125 32.74								
05	Kn9	ROS	0430	EN	14	50 54.39	125 32.77				80-93	14			
05	Kn11	ROS	0523	BE	15	50 02.49	125 33.97								
05	Kn11	ROS	0528	BO	15/16	50 02.47	125 33.93								
05	Kn11	ROS	0537	EN	16	50 02.48	125 33.99		209		94-103	10			
05	FrS1	ROS	2341	BE	17	51 02.24	126 42.96		242		104-115	12		97440017.DAT	
05	FrS1	ROS	2345	BO	17 1/2										
05	FrS1	ROS	2353	EN	18	51 02.24	126 42.98							97440018.DAT	
06	Se8	ROS	0113	BE	19	51 11.01	126 39.50		133		116-123			97440019.DAT	
06	Se8	ROS	0116	BO	19 1/2	51 11.01	126 39.47								
06	Se8	ROS	0117	EN	20	51 11.00	126 39.47							97440020.DAT	
06	Se7.5	ROS	0153	BE	21	51 08.15	126 41.62								
06	Se7.5	ROS	0201	BO	21/22	51 08.10	126 41.72							97440021.DAT	
06	Se7.5	ROS	0214	EN	22	51 08.04	126 41.82		371		124-137	14			
														97440022.DAT	

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OCEAN PHYSICS

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YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1997			NOV.			VECTOR			9744			3			
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	Se6	ROS	03:11	BE	23	51 04.31	126 52.31							97440023.DAT	
6	Se6	ROS	03:22	BO	23/24	51 04.35	126 52.27								
6	Se6	ROS	03:39	EN	24	51 04.32	126 52.19		535		138-153	16			
6	Se5	ROS	04:19	BE	25	51 04.23	127 00.70								
6	Se5	ROS	04:33	BO	25/26	51 04.28	127 00.63								
6	Se5	ROS	4:49	EN	26	51 04.28	127 00.47		615		154-169	16			
6	Se4	ROS	5:27	BE	27	51 03.13	127 07.94								
6	Se4	ROS	5:39	BO	27/28	51 03.15	127 08.00								
6	Se4	ROS	5:57	EN	28	51 03.15	127 07.96		533		170-185	16			
6	Se3	ROS	6:34	BE	29	51 02.85	127 15.44								
6	Se3	ROS	6:44	BO	29/30	51 02.84	127 15.51								
6	Se3	ROS	6:57	EN	30	51 02.89	127 15.62		446		186-200	15			
6	Se2	ROS	7:59	BE	31	51 03.53	127 23.36								
6	Se2	ROS	8:02	BO	31/32	51 03.52	127 23.31								
6	Se2	ROS	8:05	EN	32	51 03.52	127 23.31				201-207	7			
6	NUS2	ROS	1737	BE	33	51 05.34	127 13.36		126		208-215	8		97440033.DAT	
6	NUS2	ROS	1740	BO		51									

6 NUS2 ROS 1740 BO 51 05.34 127 13.34

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

USW

sea water loop

TIME CODE -

BE -

beginning time of cast

DE -

deployment time

8

POSITION CODE -

RAD -

RADAR

GPS -

GLOBAL

LOR -

LORAN

BO -

bottom time of cast

MR -

messenger release

RE -

recover mooring

CTD -

mooring

NET -

net haul

DRF -

drifter

EN -

end of cast

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YEAR		MONTH			SHIP		CRUISE					PAGE		OF	
1997		Nov			VECTOK		9744					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	
06	NUS1	ROS		BE	35						216-222	7		*	
*	Error light on deck unit lite up and alarm sounded. Aborted this cast. Checked cable + slip rings all OK. Doug removed the Sea Bird CTD from the rosette and connected it to the deck unit using a short cheater cable. Same problem as before. Error Light on + alarm sounded. He disconnected the sensors + opened up the underwater unit. He believes that the power supply is faulty. We have no spares. We are switching to the Guildline system.														
	We switched to the Guildline system CTD 58,482 + deck unit 57107 SN# 58,995 and the 12 bottle rosette with GO pylon. When we powered up the system we could not get the deck unit error light to go off. Inside the lab, connecting the CTD to the deck unit bypassing the winch + slip rings the error light went off and we could log data. We switched to the alternate winch + spare slip rings and the error light once again came on. Doug tried adjusting a potentiometer in the deck unit but it did not solve the problem.														
	As a last resort we started hydrocasts for DO + salinity only, no temperature.														
	Note! There was no cast at NUS1. There are no files with consecutive # 35!														
	SEE PAGES 13 + 14 for entries on bottle casts # 36 to 48														

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

9/11/07

After talking to Sea-Bird engineer, I had another look at the CTD. I replaced the 2-pin sea-cable bulkhead, which turned out to be faulty. This seems to have returned the Sea-Bird CTD # 0457 to good working condition. I reassembled the fish and we are now able to continue the program as before.

Doug Anderson

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YEAR 1997		MONTH Nov		SHIP VECTOR				CRUISE 9744					PAGE 5 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
08	Ri7	ROS	2:12	BE	49	51 46.75	127 23.47							
08	Ri7	ROS	2:18	BO	49/50	51 46.76	127 23.49							
08	Ri7	ROS	2:26	EN	50	51 46.74	127 23.48		242		370-381	12		
08	Ri8	ROS	3:03	BE	51	51 50.70	127 21.70							
08	Ri8	ROS	3:07	BO	51/52	51 50.69	127 21.67							
08	Ri8	ROS	3:12	EN	52	51 50.70	127 21.70		160		382-390	9		
08	HA1	ROS	5:16	BE	53	51 41.80	127 33.29							
08	HA1	ROS	5:22	BO	53/54	51 41.81	127 33.31							
08	HA1	ROS	5:35	EN	54	51 41.83	127 33.31		315		391-403	13		
08	DO2	ROS	22:13	BE	55	53 26.89	129 12.38		394		404-417	14		
08	DO2	ROS	22:21	BO	55/56	53 26.91	129 12.45							
08	DO2	ROS	22:35	EN	56	53 26.90	129 12.39							
09	DO4	ROS	23:55	BE	57	53 37.50	129 12.29				418-430			
09	DO4	ROS	00:02	BO	57/58	53 37.50	129 12.25							
09	DO4	ROS	00:14	EN	58	53 37.51	129 12.26		332					
09	DO6	ROS	01:24	BE	59	53 44.29	129 01.36							
09	DO6	ROS	01:32	BO	59/60	53 44.32	129 01.30				431-444			

CAST TYPE -

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TIME CODE -

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POSITION CODE -

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LOR - LORAN

At start of upcast at Kh3 Sea Save gave an
error message "Not enough memory to edit forms ---?"
We had lots (>500Mb) storage available on both C+D drives.
When I checked the system resources ~~we~~ FS-02 had 90% free.
Error did not appear the next time - problem?

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1997		NOV		VECTOR		9744		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
09	D06	RO	0144	EN	60	53 44.36	129 01.59		373					
09	G11+	ROS	0318	BE	61	53 50.85	128 58.11							
09	G11+	ROS	0322	BO	61/62	53 50.83	128 58.18							
09	G11+	ROS	0329	EN	62	53 50.85	128 58.12		195		445-455	11		Bottom depth changed quickly, Rosette dragged along undersea
09	D08	ROS	0503	BE	63	53 50.67	128 48.01							mountain. Scratches, 2 spigots damaged, no
09	D08	ROS	0510	BO	63/64	53 50.75	128 48.15							major damage.
09	D08	ROS		EN	64	53 50.73	128 48.15		320		456-469	14		
09	D010	ROS		BE	65									
09	D010	ROS		BO	65/66									
09	D010	ROS	0637	EN	66	53 58.65	128 40.62		153		479			
09	Kh3	ROS	2010	BE	67	54 36.03	129 56.74		62	50	479-483	5		
09	Kh3	ROS	2014	BO	67/68									
09	Kh3	ROS	2017	End	68	54 36.01	128 56.81							
09	Kh2	ROS		BE	69	54 39.12	130 03.63		167	157				ice on surface
09	Kh2	ROS	2107	BO	69/70									
09	Kh2	ROS		EN	70						484-493	10		
09	Kh2	ROS	2114	EN		54 39.13	130 03.63							

CAST TYPE -

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MOR -bottle cast
ctd
mooringROS -
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DRF -rosette
net haul
dritter

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sea water loop

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1997		NOV		VECTOR		9744		7		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
09	Kh1	ROS	2151	BE	71	54 42.72	130 09.39		119		494-501	8		
09	Kh1	ROS	2153	BO	71/72	54 42.73	130 09.42							
09	Kh1	ROS	2158	EN	72	54 42.74	130 09.21							
09	PI3	ROS	23:23	BE	73	54 46.69	130 19.70							
09	PI3	ROS	23:32	BO	73/74	54 46.69	130 19.65							
09	PI3	ROS	23:48	EN	74	54 46.80	130 19.60		492		502-516	15		
10	PI5	ROS	00:50	BE	75	54 52.83	130 10.86							
10	PI5	ROS	00:58	BO	75/76	54 52.87	130 10.84							
10	PI5	ROS	01:11	EN	76	54 52.94	130 10.81		426		517-530	14		
10	PI7	ROS	02:08	BE	77	54 59.34	130 02.76							
10	PI7	ROS	02:13	BO	77/78	54 59.31	130 02.68							
10	PI7	ROS	02:22	EN	78	54 59.32	130 02.50		223		531-542	12		
10	Ob2	ROS	03:19	BE	79	55 06.72	129 57.35							
10	Ob2	ROS	03:28	BO	79/80	55 06.77	129 57.35							
10	Ob2	ROS	03:39	EN	80	55 06.80	129 57.36		430		543-557	15		Bottle #7 - Leaky Valve/Sprigger
10	Ob4	ROS	04:37	BE	81	55 13.89	129 51.11							
10	Ob4	ROS	04:47	BO	81/82	55 13.93	129 51.11							
10	Ob4	ROS	05:04	EN	82	55 13.93	129 51.05		534		558-573			Replaced Bottle 7 Sprigger

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

LISW -

sea water loop

TIME CODE

BE

CAST TYPE -

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CTD -
MOR -bottle cast
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DRF -rosette
net haul
dritter

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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	
10	056	ROS	06:14	BE	83	55 21.35	129 45.90								
10	056	ROS	06:18	BO	83/84	55 21.35	129 46.00							Samples 573 & 574	
10	056	ROS	06:26	EN	84	55 21.36	129 46.22		175		573-584*	10*		not taken due to shallower depth than anticipated	
10	AA3	ROS	0722	BE	85	55 27.21	129 37.05								
10	AA3	ROS	0730	BO	85/86	55 27.23	129 37.02								
10	AA3	ROS	0743	EN	86	55 27.19	129 37.00		390		585-598	14			
10	HA2	ROS	0856	BE	87	55 28.30	129 44.61								
10	HA2	ROS	0902	BO	87/88	55 28.29	129 44.60								
10	HA2	ROS	0916	END	88	.29	166		306		599-611	13			
11	PRH5	ROS	03:23	BE	89	54 22.13	130 15.73								
11	PRH5	ROS	03:25	BO	89/90	54 22.12	130 15.74								
11	PRH5	ROS	03:28	EN	90	54 22.11	130 15.78		59		612-617	6			
11	PRH4	ROS	03:52	BE	91	54 20.28	130 17.45								
11	PRH4	ROS	03:54	BO	91/92	54 20.27	130 17.43								
11	PRH4	ROS	03:56	EN	92	54 20.27	130 17.42		49		618-622	5			
11	PRH3	ROS	04:18	BE	93	54 19.48	130 19.64								
11	PRH3	ROS	04:19	BO	93/94	54 19.47	130 19.65								
11	PRH3	ROS	04:21	EN	94	54 19.47	130 19.65		48		623-627	5			

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mooringROS -
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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			
11	PRH2	ROS	04:46	BE	95	54 18.48	130 21.87										
11	PRH2	ROS	04:47	BO	95/96	54 18.47	130 21.86										
11	PRH2	ROS	4:50	EN	96	54 18.49	130 21.88		65		628-634	7					
11	RRH1	ROS	5:30	BE	97	54 14.88	130 20.86										
11	PRH1	ROS	5:32	BO	97/98	54 14.88	130 20.87										
11	PRH1	ROS	5:34	EN	98	54 14.88	130 20.90		48		635-639	5					
11	Aal1	ROS	1609	BE	99	53 07.67	128 30.98		142								
11	Aal1	ROS	1613	BO	99/100	53 07.64	128 30.95										
11	Aal1	ROS	1620	EN	100	53 07.70	128 31.00				640-648	9					
11	Khu1	ROS	1714	BE	101	53 05.82	128 28.52		156								
11	Khu1	ROS	1717	BO	101/102	53 05.83	128 28.53										
11	Khu1	ROS	1724	EN	102	53 05.86	128 28.52				649-657	9					
11	GrI1	ROS	1857	BE	103	52 55.73	128 26.21		155								
11	GrI1	ROS	1900	BO	103/104												
11	GrI1	ROS	1907	EN	104	52 55.77	128 26.18		432		658-666	9					
11	GR1	ROS	2048	BE	105	52 55.55	128 30.71										
11	GR1	ROS	2056	BO	105/106	52 55.56	128 30.70										

11

CAST TYPE

1

BOT

bottle cast

ROS

rosette

USW

sea water loop

TIME CODE

BE

beginning time of cast

BO

bottom of cast

EN

end of net

11

GR1

ROS

2100

EN

ROS - rosette

NET - 10

DRF -

USW - sea water loop

52 55.55

128 30.71

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

667-684

15

POSITION CODE -

RAD - RADAR

GPS - GLOBAL

LOR - LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1997		NOVEMBER		VECTOR		9744		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
11	FC	ROS	2158	BE	107	52 47.90	128 25.82		551					
11	FC	ROS	2209	BO	107/108	52 47.91	128 25.79				682-697	16		Trans. moving on downcast
11	FC	ROS	2226	EN	108	52 47.90	128 25.80							
11	SP	ROS		BE	109									
11	SP	ROS		BO	109/110									
11	SP	ROS	23:30	EN	110	52 47.46	128 16.11		342		698-711	14		
12	MU1	ROS		BE	111									
12	MU1	ROS		BO	111/112									
12	MU1	ROS	00:38	EN	112	52 52.74	128 08.72		332		712-724	13		
12	Ky1	ROS		BE	113									
12	Ky1	ROS		BO	113/114									
12	Ky1	ROS	02:14	EN	114	52 45.02	127 59.84		405		725-738	14		
12	MC	ROS		BE	115									
12	MC	ROS		BO	115/116									
12	MC	ROS	03:33	EN	116	52 42.61	128 09.69		615		739-754			
(Continue)														

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

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP				CRUISE					PAGE 11 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	
12	Sm5	ROS	1612	BE	117	51	21.24	127 06.27		108		755-761	7			
12	Sm5	ROS	1615	BO	117/118	51	21.24	127 06.29								
12	Sm5	ROS	1620	EN	118	51	21.31	127 06.31								
12	Sm4	ROS	1643	BE	119	51	21.62	127 08.99		184						
12	Sm4	ROS	1646	BO	119/120	51	21.62	127 08.97								
12	Sm4	ROS	1654	EN	120	51	21.61	127 08.98				762-771	10			
12	Sm3	ROS	1727	BE	121	51	18.49	127 14.63		328						
12	Sm3	ROS	1733	BO	121/122	51	18.41	127 14.82							Trans. noisy on upcast	
12	Sm3	ROS	1745	EN	122	51	18.42	127 14.91				772-785	14			
12	Sm2	ROS	1815	BE	123	51	18.02	127 22.19		373						
12	Sm2	ROS	1822	BO	123/124	51	18.03	127 22.26								
12	Sm2	ROS	1835	EN	124	51	18.09	127 22.38				786-799	14			
12	Sm1	ROS	1905	BE	125	51	18.73	127 30.08		212						
12	Sm1	ROS	1909	BO	125/126	51	18.75	127 30.14								
12	Sm1	ROS	1917	EN	126	51	18.75	127 30.24				800-810	11			
12	BO2	ROS	2027	BE	127	51	23.38	127 23.07		152						
12	BO2	ROS	2030	BO	127/128	51	23.38	127 23.08								
12	BO2	ROS	2037	EN	128	51	23.38	127 23.09				811-819	9			

CAST TYPE -

BOT -

bottle cast

ROS -

rosette

LCM -

acoustic

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

INSTITUTE OF OCEAN SCIENCES

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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DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1997		November		VECTOR		9744		13						
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
06	MeS2	Bot	23:19	MR	36	51° 11.4' N	127° 18.1' W			150	216-224	9		1.2L Niskin bottles
06	MeS1	Bot	23:52	?	37	51° 11.9' N	127° 21.0' W			160	225-234	10		
07	Be7	Bot	02:37	MR	38	51° 06.32' N	126° 55.73' W	GPS		250	235-246	12		
07	Be6	Bot	03:19	MR	39	51° 06.57' N	127° 02.07' W	GPS	331	320	247-259	13		Note there are two sample #'s: 259, the second was renamed "259B"
07	Be5	Bot	04:13	MR	40	51° 07.21' N	127° 08.636' W	GPS	—	260	259B-271	13		
07	Be4	Bot	05:14	MR	41	51° 07.8' N	127° 15.4' W	GPS	373	350	272-284	13		
07	Be3	Bot	06:11	MR	42	51° 07.85' N	127° 22.22' W	GPS	286	280	285-297	13		
07	Be2	Bot	07:03	MR	43	51° 07.91' N	127° 30.56' W	GPS		175	298-308	11		
07	Re2	Bot	20:59	MR	44	51° 31.098' N	127° 33.717' W	GPS	—	320	309-321	13		

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

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