

DAILY LOG

CRUISE
NUMBER

2000-09

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

May 1 to May 13, 2000

VESSEL

CCGS VECTOR

PROJECT

INLETS

Captain: Scott Doan **First Officer:** _____

Second Officer: Miles Fidler

Third Officer:

Mission Participants / Agencies: TOS

Scientific Personnel:

Name	Watch	Cabin
Dario Stucchi	1500-2300	
Edmond Fok	1500-2300	
Darren Tuele	0700-1500	
Marc Robert	0700-1500	
Melanie Quenneville	0900 - 1700	
Gillian Moody	1500-2300	
Anna Meckler	0700-1500	

Second leg of Mission: Party Chief:

[illegible]

Data logging computer: PARALYN

Data acquisition program: Seasave Win32 v1.15 serial number: 14262-0425
CTD deck unit make: 114 model: 11P

Primary CTD

Make: model: 911+ serial number: 506

Primary temperature sensor serial number: 2710 Calibration date:

Primary conductivity sensor serial number:	2278	Calibration date:
--	------	-------------------

Secondary temperature sensor serial number: 2095 Calibration date:

Secondary conductivity sensor serial number: 2280 Calibration date: 22/8/0

Other sensors: Transmissometer s/n: 333 DR

Other sensors: Fluorometer s/n: 2229

Other sensors:	s/n:

Other sensors: _____ s/n: _____

Secondary CTD

Make: _____ model: 911T serial number: 0550

Primary temperature sensor serial number: 7111 Calibration date: 2023

Primary conductivity sensor serial number: 17821 Calibration date: 1/28/11

Secondary temperature sensor serial number: 2371 Calibration date: 23/7

Secondary conductivity sensor serial number: 1766 Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____
s/n: _____

Comments: at times monitor loses part of screen 1/3 right hand side

Winches:

1. Swann model: 329 serial #: 1307 use: 3610m x 0.322φ" x 3 cord - used all trip
2. Swann model: 329 serial #: 1483 use: 4915m x 0.322φ" x 1 cord - not used
3. Swann model: serial #: use:
4. Swann model: serial #: use:
5. Swann model: serial #: use:
6. Swann model: serial #: use:
7. Swann model: serial #: use:

Comments:

Salinometer: make:

model:

serial number:

Comments:

Surface Temperature / Salinity Data Logging System:

Program:

Sampling interval (seconds):

Sensor serial number:

Comments:

ADCP Setup:

Program version:

Time zone:

Sampling interval (seconds):

Blank beyond transmit:

% pings good threshold:

Comments:

Number of depth bins:

Bin length (2X):

Pulse length:

Pings per ensemble:

Comments:

Wire Measurements by Chief

May 1st on deck + at 200m 0.318 to 0.322

May 8th on deck
at 200m 0.315 - 0.318
0.316 - 0.318

May 12th on deck
at 100m 0.314 - 0.317
0.315 - 0.317

Winch 329 SN 1307 - 3614m x 0.322g x 3 cond.

May 12th - cut cable at winch rollers.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year					Month			Ship				Cruise I.D.		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
2	S3	ROS	0126	BE	001	48 35 24	123 30.16		228					
			0132	BO		48 35 23	123 30 15			216	1-12	12		
			0151	EN	001	48 35 16	123 30 18							
2	JE10	ROS	1421	BE	002	50 11 40	123 57 17		273					JERVIS INLET
2	JE10	ROS	1429	BO	2	50 11 40	123 57.20			265	13-25	13		
2	JE10	ROS	1444	EN	2	50 11 37	123 57.23							
2	JE9	ROS	1525	BE	3	50 08.56	123 50.43		361					
2	JE9	ROS	1531	BO	3	50 08.53	123 50.37			355	26-39	14		
2	JE9	ROS	1549	EN	3	50 08.44	123 50.19							
2	JE8	ROS	1620	BE	4	50 05.33	123 46.69		477					
2	JE8	ROS	1628	BO	4	50 05.33	123 46.69			470	40-54	15		
2	JE8	ROS	1648	EN	4	50 05 30	123 46.66							
2	JE7	ROS	1723	BE	5	50 02.50	123 51 16		541					
2	JE7	ROS	1731	BO	5	50 02.46	123 51.19			531	55-73	19		Dep. for nuts.
2	JE7	ROS	1752	EN	5	50 02 36	123 51.27							
2	JE6	ROS	1837	BE	6	49 59 06	123 59 36		545					
2	JE6	ROS	1845	BO	6	49 59 01	123 59 44			535	74-89	16		
2	JE6	ROS	1911	EN	6	49 58.87	123 59.49							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
2	JES	ROS	2028	BE	7	49° 54.29	123° 55.30		658					problem with
2	JES	ROS	2038	BO	8	49° 54.26	123° 55.19			650	90-105	16		Secondary SAL, Re-start Rtg @ bottom
2	JES	ROS	2107	EN	8	49° 54.11	123° 54.99							2nd sal ok, only display wrong
2	JE4	ROS	2158	BE	9	49 44.45	123 54.18		671					
2	JE4	ROS	2208	BO	9	49 44.37	123 54.22			662	106-122	17		
2	JE4	ROS	2238	EN	9	49 44.16	123 54.44							
2	JE3	ROS	2320	BE	10	49 48.60	124 02.51		682					
2	JE3	ROS	2331	BO	10	49 48.64	124 02.51			675	123-139	17		
2	JE3	ROS	2358	EN	10	49 48.71	124 02.66							
3	JE2	ROS	0038	BE	11	49 46.27	124 09.43		610					
3	JE2	ROS	0048	BO	11	49 46.21	124 09.69			600	140-155	17		
3	JE2	ROS	0112	EN	11	49 46.13	124 10.27							
3	JE1	ROS	0159	BE	12	49 42.33	124 14.40		279					
3	JE1	ROS	0203	BO	12	49 42.32	124 14.42			270	156-168	13		
3	JE1	ROS	0221	EN	12	49 42.37	124 14.49							
3	Bu8	ROS	1356	BE	13	50 53.23	124 50.94		230					Rosette went out of water before last bottle closed,
3	Bu8	ROS	1400	BO	13	50 53.21	124 50.96			220	169-181	13		so went back down to 20 m then up again to surface.
3	Bu8	ROS	1417	EN	13	50 53.19	124 50.98							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

When re-arming rosette after cast 15 (BU 6) the spring of bottle 13 broke.

Replaced bottle 13 with bottle 24

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
3	BU7	ROS	1449	BE	14	50° 49.77	124° 53.45		356					
			1454	BO	14	50° 49.77	124° 53.41			350	182-195	14		
			1510	EN	14	50° 49.74	124° 53.35							
3	BU6	ROS	1549	BE	15	50° 45.28	124° 54.02		479					See note ←
		ROS	1556	BO	15	50° 45.26	124° 54.00			470	196-210	15		
		ROS	1615	EN	15	50° 45.17	124° 53.97							
3	BU5	ROS	1655	BE	16	50° 40.72	124° 53.10		570					
		ROS	1704	BO	16	50° 40.71	124° 53.11			560	211-229	19		Duplicates @ BOT + SURF for nuts.
		ROS	1725	EN	16	50° 40.73	124° 53.17							
3	BU4	ROS	1808	BE	17	50° 35.28	124° 54.15		640					
		ROS	1818	BO	17	50° 35.24	124° 54.11			631	230-246	17		
		ROS	1843	EN	17	50° 35.19	124° 53.96							
3	BU3	ROS	1921	BE	18	50° 31.71	124° 58.02		650					
		ROS	1931	BO	18	50° 31.72	124° 58.07			640	247-263	17		
		ROS	1955	EN	18	50° 31.78	124° 58.15							
3	BU2	ROS	2038	BE	19	50° 28.17	125° 04.65		653					
			2050	BO	19	50° 28.30	125° 04.62			646	264-280	17		
			2114	EN	19	50° 28.45	125° 04.59							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
3	BU1	ROS	22:05	BE	20	50 22 29	125 04 75		613					
3		ROS	22:15	BO	20	50 22 36	125 04 73			603	281-297	17		Pump is off at surface
3		ROS	22:42	EN	20	50 22 43	125 04 65							have to wait at the beginning
	KN1	GHT	INLET											miss bottle @ 200m
4	KN11	ROS	1404	BE	21	51 02 48	125 33 98		215					
			1407	BO	21	51 02 48	125 33 96		225	210	298-309	12		
			1419	EN	21	51 02 44	125 33 97							
4	KN10	ROS	1456	BE	22	50 58 65	125 33 71		330					
			1502	BO	22	50 58 63	125 33 79			321	310-323	14		
			1517	EN	22	50 58 56	125 33 97							
4	KN9	ROS	1554	BE	23	50 54 32	125 32 82		416					we don't do KN8
			1600	BO	23	50 54 33	125 32 83			408	324-337	14		
			1616	EN	23	50 54 33	125 32 84							
4	KN7	ROS	1721	BE	24	50 48 13	125 37 29		520					
			1729	BO	24	50 48 14	125 37 31			512	338-353	16		
			1749	EN	24	50 48 18	125 37 38							
4	KN5	ROS	1855	BE	25	50 41 61	125 47 11		391					
			1900	BO	25	50 41 61	125 47 20		370	363	354-370	17		
			1919	EN	25	50 41 61	125 47 44							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VEC TOR			Cruise I.D. 2000-07			
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
4	KN5	NET	1944		026									BONGO to 250 m.
4	KN4	ROS	2036	BE	27	50° 40.86	125° 55.99		452					
			2044	BO	27	50° 40.84	125° 56.04			440	371-385	15		
			2103	EN	27	50° 40.84	125° 56.09							
4	KN2	ROS	2206	BE	28	50° 39.30	126° 11.24		181					
			2210	BO	28	50° 39.30	126° 11.26			171	386-395	10		
			2222	EN	28	50° 39.33	126° 11.32							
4	TyC1	ROS	2312	BE	29	50° 43.60	126° 10.95		286					
			2317	BO	29	50° 43.61	126° 10.97			276	396-408	13		
			2335	EN	29	50° 43.69	126° 11.00							
5	KN1	ROS	00:55	BE	30	50° 38.05	126° 25.59		245					
			00:59	BO	30	50° 38.06	126° 25.61			235	409-421	13		
			01:15	EN	30	50° 38.15	126° 25.67							
5	Port Elizabeth	ROS	02:05	BE	31	50° 40.37	126° 28.82		50					
			02:06	BO	31	50° 40.37	126° 28.81			40	422-432	11		
			02:15	EN	31	50° 40.39	126° 28.77							
5	KN0	ROS	03:13	BE	32	50° 38.19	126° 35.28		62					
			03:14	BO	32	50° 38.18	126° 35.35			52	433-437	5		
			03:19	EN	32	50° 38.14	126° 35.50							

Cast type:

BOT = otter cast
CTD = CTD
MOR = mooring

ROS = Rosette
NET = net haul
DRF = drifter

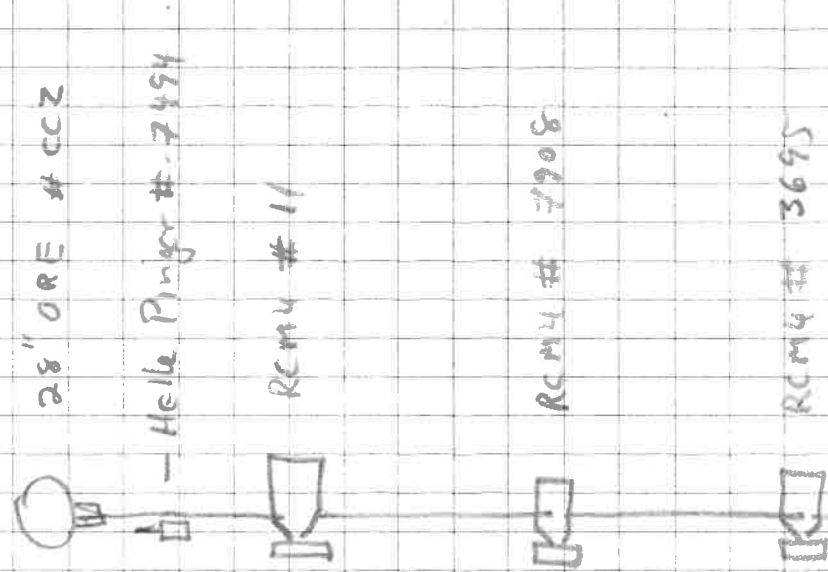
USW = sea water loop

Time Code

BE = beginning time of cast
BO = bottom time of cast
EN = end of cast time

DE = deployment time
MR = messenger release time
RE = recover mooring time

Carrie Bay Mooring



342

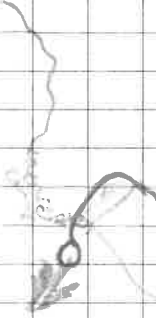
Anchor

400lb

50m wire

Poly 180m

Ground line consists of 50m of wire attached to 180m of $1\frac{1}{8}$ " poly and then another 100m of wire rope.



Ground line

Carrie Bay

Mooring (50° 41.682, 126° 37.252)

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VEC 76 R			Cruise I.D. 2000-09			
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
05	QCS1	ROS	04:12	BE	33	50 40 10	126 46 28		158					
			04:15	BO	33	50 40 15	126 46 27			150	438-446	9		
			04:26	EN	33	50 40 30	126 46 22							
05	Carrie Bay	MOR	1549	DE		50° 41.682	126° 37.252		34					
5	CARRIE BAY	ROS	1707	BE	34	50 41. 48	126 37 55		35					
			1708	BO	34	50 41. 48	126 37. 55			30	447-455	9		
			1712	EN	34	50 41. 46	126 37. 54							
5	FCS	ROS	1831	BE	35	50 46 63	126 40 75		372					
			1836	BO	35	50 46 62	126 40 72			362	456-469	14		
			1852	EN	35	50 46.55	126 40. 57							
5	BURDWOOD GROUP	ROS	1948	BE	36	50 47.71	126 30.09		158					
			1952	BO	36	50 47.71	126 30.10			150	470-481	12		
			2004	EN	36	50 47.71	126 30. 11							
5	TRC 2	ROS	2119	BE	37	50 49.73	126 13 59		307					
			2125	BO	37	50 49. 74	126 13. 64		303	295	482-494	13		
			2142	EN	37	50 49.81	126 13 75							
5	SIR EDMOND BAY	ROS	23:23	BE	38	50 49 96	126 35 98		80					
			23:24	BO	38	50 49 96	126 35 98			70	495-503			
			23:33	EN	38	50 49 97	126 35 99							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR			Cruise I.D. 2000-09			
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
6	KIN3	ROS	01:29	BE	39	50 54 87	126 14 77		201					
			01:38	BO	39	50 54 87	126 14 77			190	505-516	12		
			01:47	EN	39	50 54 86	126 14 84							
6	KIN1	ROS	03:11	BE	40	50 53 54	126 34 62		475					
			03:18	BO	40	50 53 54	126 34 67			467	517-532	16		
			03:40	EN	40	50 53 58	126 34 50							
6	KIN1	NET	0356		41	50° 53.51	126° 34.501							
6	RO5	ROS	18	BE	42	52 27 97	127 44 09		101					ROSCOE INLET
			18:28	BO	42	52 27 97	127 44 88			92	533-540	8		
			18:37	EN	42	52 27 97	127 44 85							
6	RO4	ROS	1924	BE	43	52 29 80	127 50 64		136					
			1927	BO	43	52 29 79	127 50 61			130	541-549	9		
			1937	EN	43	52 29 77	127 50 55							
6	RO3	ROS	2011	BE	44	52 27 09	127 54 95		172					
			2014	BO	44	52 27 11	127 54 90		169	163	550-560	11		
			2025	EN	44	52 27 17	127 54 82							
6	RO2	ROS	2105	BE	45	52 22 69	127 52 57		125					
			2107	BO	45	52 22 68	127 52 53		129	122	561-568	8		
			2116	EN	45	52 22 65	127 52 42							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VEZTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
6	RO1	ROS	2147	BE	46	52° 19.91	127° 56.06		207					
			2151	BO	46	52° 19.92	127° 56.07		203	196	569-580	12		
			2203	EN	46	52° 19.94	127° 56.11							
7	MC	ROS	03-38	BE	47	52 42.53	128 09 82		621					
			03:46	BO	47	52 42.58	128 09 77			610	581-598	18		
			04:12	EN	47	52 42.72	128 09 61							
7	MC	NET	04:26	BE	48	52° 42.85	128° 09.43		621	250				09 250 20" E
7	MU1	ROS	05:40	BE	49	52 52.57	128 08 91		311					
			05:45	BO	49	52 52.56	128 08 89			300	599-612	14		
			06:02	EN	49	52 52.51	128 08 76							
7	Do10	ROS	1552	BE	50	53° 58.52	128° 40.65		153					Douglas Channel
			1555	BO	50	53° 58.52	128° 40.66			145	613-622	10		
			1604	EN	50	53° 58.53	128° 40.71							
7	Do9	ROS	1638	BE	51	53° 54.31	128° 44.15		246					
			1642	BO	51	53° 54.27	128° 44.24			241	623-634	12		
			1654	EN	51	53° 54.17	128° 44.49							
7	Do8	ROS	1723	BE	52	53° 50.72	128° 47.97		317					Rosette out of water, then back @ surface
			1728	BO	52	53° 50.70	128° 48.02			310	635-648	14		Rer last bottle.
			1745	EN	52	53° 50.66	128° 48.10							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2000				Month	MAY		Ship	VECTOR				Cruise I.D.			2000-09	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments			
7	DO 7	ROS	1818	BE	53	53 47 32	128 53 21		387								
			1825	BO	53	53 47 32	128 53 23			374	649-663	15					
			1843	EN	53	53 47 31	128 53 28										
7	DO 7	NET	1850	NET	54	53 47 300	128 53 197										
7	DO 6	ROS	1951	BE	55	53 44 31	129 01 41		374								
			1957	BO	55	53 44 29	129 01 47			366	664-677	14					
			2014	EN	55	53 44 28	129 01 57										
7	DO 5	ROS	2051	BE	56	53 40 52	129 07 27		400								
			2058	BO	56	53 40 52	129 07 31		394	387	678-691	14					
			2115	EN	56	53 40 52	129 07 34										
7	DO 4	ROS	2149	BE	57	53 37 45	129 12 55		323						rust off cable around		
			2153	BO	57	53 37 46	129 12 35			313	692-704	13			130m		
			22:11	EN	57	53 37 60	129 12 27								Spike @ 150m way up		
7	DO 3	ROS	2257	BE	58	53 31 39	129 12 74		347						Rust starts at 97m		
			23:04	BO	58	53 31 38	129 12 75			335	705-718	14			200-250 very bad		
			23:24	EN	58	53 31 41	129 12 82								DATA <u>ALL</u> GARBAGE		
7	DO 2	ROS	2359	BE	59	53 26 80	129 12 59		402								
8			0606	BO	59	53 26 82	129 12 61			395	719-732	14					
			0026	EN	59	53 27 02	129 12 63										

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2000				Month	MAY		Ship	VECTOR			Cruise I.D.			2000-09	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments		
8	DO 1	ROS	01:05	BE	60	53 22 31	129 11 76		465							
			01:12	BO	60	53 22 30	129 11 76			452	733-748	16				
			01:33	EN	60	53 22 26	129 11 47									
8	GAI	ROS	03 05	BE	61	53 19 99	128 54 45		486							
			03 11	BO	61	53 20 01	128 54 40			481	749-763	15				
			03 32	EN	61	53 20 18	128 54 32									
8	RI 1	ROS	17 13	BE	62	51 26.30	127 38.31		331							
			17 18	BO	62	51 26.26	127 38.36			325	764-778	15				
			17 34	EN	62	51 26.13	127 38.54									
8	RI 2	ROS	18 23	BE	63	51 31 25	127 33 61		332							
			18 28	BO	63	51 31 25	127 33 60			323	779-792	14				
			18 46	EN	63	51 31.24	127 33.60									
8	RI 3	ROS	19 24	BE	64	51 35.81	127 31.88		327							
			19 30	BO	64	51 35.79	127 31.89			320	793-806	14				
			19 48	EN	64	51 35.73	127 31.83									
8	RI 4	ROS	20 25	BE	65	51 38.95	127 26.85		299							
			20 30	BO	65	51 38.96	127 26.84			292	807-820	14				
			20 47	EN	65	51 39.00	127 26.68									
8	RI 4	NET	20 50	BE	66	51 38.966	127 26.821			250						

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VERTOL				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
8	R: 5	ROS	2146	BE	67	51° 40.72	127° 19.83		203					
			2149	BO	67	51° 40.74	127° 19.77		200	190	821-831	11		
			2201	EN	67	51° 40.82	127° 19.47							
9	SM1	ROS	0230	BE	68	51 18 71	127 29 86		214					spotted 2 white snowy owls flying around + diving in water
			0231	BO	68					201	832-843	12		
			02:44	EN	68	51 18 67	127 29 60							
9	SM2	ROS	03:18	BE	69	51 17 99	127 22 01		370					measure with @ 200m
			03:25	BO	69	51 17 99	127 21 85			360	844-857	14		on cast up
			03:44	EN	69	51 17 96	127 21 55							200m on deck 0.315-0.318"
9	SM3	ROS	04:14	BE	70	51 18 48	127 14 48		325					
			04:15	BO	70	51 18 50	127 14 43			316	858-871	14		
			04:36	EN	70	51 18 55	127 14 23							
9	SM4	ROS	05:11	BE	71	51 21 53	127 08 96		190					
			05:14	BO	71	51 21 51	127 08 96			181	872-882	11		
			05:26	EN	71	51 21 44	127 08 98							
9	SM5	ROS	05:53	BE	72	51 21 31	127 06 29		110					
			05:55	BO	72	51 21 31	126 06 28			101	883-889	7		
			06:03	EN	72	51 21 33	126 06 27							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
09	Q2	ROS	16 14	BE	73	50 28.27	127 54.37		225					Quatsno Sound
			16 18	BO	73	50 28.31	127 54.44		222		890-901	12		
			16 31	EN	73	50 28.36	127 54.65							
9	Q3	ROS	17 18	BE	74	50 29.69	127 46.42		209					
			17 21	BO	74	50 29.70	127 46.43			196	902-912	11		
			17 33	EN	74	50 29.78	127 46.48							
9	Q4	ROS	18 17	BE	75	50 31.73	127 38.86		122					
			18 19	BO	75	50 31.73	127 38.86			115	913-920	8		
			18 27	EN	75	50 31.76	127 38.85							
9	N22	ROS	18:50	BE	76	50 30.35	127 35.88		127					
			18:52	BO	76	50 30.33	127 35.88			121	921-929	9		
			19:05	EN	76	50 30.30	127 35.88							
9	N18	ROS	19 23	BE	77	50 28.95	127 33.67		178					
			19 26	BO	77	50 28.98	127 33.72			168	930-939	10		
			19 38	EN	77	50 28.97	127 33.75							
9	HOL 5	ROS	22:03	BE	78	50 38.19	127 57.29		57					
			22:05	BO	78	50 38.19	127 57.27			48	940-945	6		
			22 11	EN	78	50 38.17	127 57.19							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
9	HOL 4	ROS	22 47	BE	79	50 36 92	127 51 25		48					
			22 48	BO	79	50 36 92	127 51 24			42	946-950	5		
			22 53	EN	79	50 36 91	127 51 20							
9	HOL 3	ROS	23 25	BE	80	50 35 78	127 45 04		68					
			23 27	BO	80	50 35 78	127 45 05			59	951-955	5		
			23 32	EN	80	50 35 78	127 45 08							
10	HOL 2	ROS	00:02	BE	81	50 35 30	127 38 98		118					-missed surface bottle
			00:04	BO	81	50 35 30	127 38 97			108	956-963	8		use bucket to get
			00:12	EN	81	50 35 29	127 38 96							surface water
10	HOL 2	NET	0021		82	50 35 297	127 38 943							
10	HOL 1	ROS	01:01	BE	83	50 33 86	127 33 62		132					
			01:04	BO	83	50 33 84	127 33 60			125	965-972	8		
			01:13	EN	83	50 33 79	127 33 55							
10	RU 2	ROS	01:35	BE	84	50 34 95	127 30 35		81					
			01:36	BO	84	50 34 95	127 30 33			76	974-980	7		
			01:44	EN	84	50 34 90	127 30 39							
10	RU 3	ROS	02:06	BE	85	50 35 34	127 26 51		69					
			02:07	BO	85	50 35 33	127 26 51			60	981-985	5		
			02:13	EN	85	50 35 33	127 26 51							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
10	20	ROS	1447	BE	86	50° 27.07	127° 31.62		197					stopped tow see @
			1451	BO	86	50° 27.10	127° 31.66			189	986-999	14		-80m way down
			1504	EN	86	50° 27.24	127° 31.81							
10	17	ROS	1530	BE	87	50° 25.75	127° 30.65		179					
			1533	BO	87	50° 25.77	127° 30.68		181	176	1000-1012	13		
			1545	EN	87	50° 25.86	127° 30.75							
10	14	ROS	1607	BE	88	50° 24.37	127° 29.53		140					
			1609	BO	88	50° 24.39	127° 29.54			135	1013-1024	12		
			1620	EN	88	50° 24.45	127° 29.57							
10	11	ROS	1636	BE	89	50° 23.69	127° 28.82		96					
			1638	BO	89	50° 23.69	127° 28.83			90	1025-1034	10		
			1647	EN	89	50° 23.72	127° 28.95							
10	11	NET	1657		90	50° 23.784	127° 29.086							
10	8	ROS	1723	BE	91	50° 22.96	127° 27.46		55					
			1724	BO	91	50° 22.96	127° 27.46			49	1035-1042	8		
			1730	EN	91	50° 22.95	127° 27.46							
10	5	ROS	1750	BE	92	50° 22.03	127° 26.63		52					
			1752	BO	92	50° 22.02	127° 26.63			50	1043-1050	8		
			1758	EN	92	50° 22.01	127° 26.63							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2000				Month	MAY		Ship	VEZTOR			Cruise I.D.			2000-07	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments		
10	2	ROS	1813	BE	93	50 21.00	127 26.52		37							
			1814	BO	93	50 21.00	127 26.51			30	1051-1057	7				
			1819	EN	93	50 21.00	127 26.48									
11	Am 1	ROS	0315	BE	94	50 01.69	127 05 14		41					PHYTO sampled at		
			0316	BO	94	50 01.69	127 05 15			32	1058-1061	4		1040, not 540.		
			0321	EN	94	50 01.69	127 05 19									
11	KAS 1	ROS	0441	BE	95	50 02.00	127 14 36		244							
			0445	BO	95	50 02 01	127 14 39			236	1062-1074	13				
			0459	EN	95	50 02 05	127 14 52									
11	KAS2	ROS	0538	BE	96	50 07 19	127 15 05		106					← CTD		
			0540	BO	96	50 07 19	127 15 05			100	1075-1082	8				
			0550	EN	96	50 07 20	127 15 02									
11	TAHHI	ROS	07:00	BE	97	50 07.85	127 05 65		109							
			07:02	BO	97	50 07 84	127 05 65			101	1083-1090	8				
			07:10	EN	97	50 07 79	127 05 66									
11	P. E	ROS	1405	BE	98	49 54 10	127 01. 41		56							
			1406	BO	98	49 54 09	127 01. 41			50	1091-1095	5				
			1411	EN	98	49 54.07	127 01. 42									

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

Picked up a big rope with the rosette. The rope was across the top of the rosette.
4 bottles got pushed down and 2 bottles (1 and 15) got abraded on the top
part. Change lanyard of bottle 1.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship JETTER				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
11	ESP 2	ROS	1541	BE	99	49° 58.47	126° 56.03		164					Bridge has 150m
			1544	BO	99	49° 58.47	126° 56.05			147	1096-1104	9		Go down to 150
			1553	EN	99	49° 58.46	126° 56.10		152					our sounder is off.
11	ZEB 4	ROS	1643	BE	100	49° 51.35	126° 55.62		238					
			1647	BO	100	49° 51.34	126° 55.63			230	1105-1117	13		
			1701	EN	100	49° 51.30	126° 55.74							
11	ZEB 2	ROS	1743	BE	101	49° 53.63	126° 48.06		236					
			1747	BO	101	49° 53.63	126° 48.06			230	1118-1129	12		
			1800	EN	101	49° 53.67	126° 48.08							
11	ZEB 1	ROS	1843	BE	102	49° 57.91	126° 51.03		115					Pick-up a cable with
			1845	BO	102	49° 57.90	126° 51.04			110	1130-1137	8		the rosette Long
			1904	EN	102	49° 57.90	126° 51.04							line @ 8m + surface
														←
11	TAH 1	ROS	2106	BE	103	49° 54.13	126° 39.46		160					
			2109	BO	103	49° 54.13	126° 39.46			150	1138-1147	10		
			2119	EN	103	49° 54.12	126° 39.50							
11	TAH 2	ROS	2143	BE	104	49° 51.37	126° 39.61		193					
			2146	BO	104	49° 51.34	126° 39.60		182	176	1148-1157	10		
			2157	EN	104	49° 51.36	126° 39.57							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTO R				Cruise I.D. 2000-09		
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
11	TAH3	ROS	22:26	BE	105	49 47 89	126 38 96		120					
			22:28	BO	105	49 47 88	126 38 97			111	1158-1165	8		
			22:37	EN	105	49 47 85	126 38 96							
11	TLU1	ROS	23:48	BE	106	49 41 67	126 30 98		254					Thupana Inlet
			23:49	BO	106	49 41 68	126 30 98			245	1166-1177	12		
12			00:04	EN	106	49 41 67	126 31 10							
12	TLU2	ROS	00:51	BE	107	49 46 88	126 27 97		120					
			00:53	BO	107	49 46 88	126 27 98			111	1179	8		
			01:04	EN	107	49 46 84	126 28 02				1181-1187			
12	MUC5	ROS	02:09	BE	108	49 39 02	126 28 61		242					
			02:13	BO	108	49 39 03	126 28 57			233	1188-1195	12		
			02:27	EN	108	49 39 01	126 28 47							
12	MUC4	ROS	03:04	BE	109	49 38 46	126 20 62		293					
			03:09	BO	109	49 38 43	126 20 58			284	1200-1212	13		
			03:26	EN	109	49 38 39	126 20 55							
12	MUC3	ROS	03:58	BE	110	49 39 09	126 14 11		365					
			04:04	BO	110	49 39 11	126 14 09			355	1213-1226	14		
			04:22	EN	110	49 39 17	126 14 09							
12	MUC3	NET			111									

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2000					Month MAY			Ship VECTOR			Cruise I.D. 2000-09			
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
12	HUC2	ROS	0518	BE	112	49 48 24	126 09 22		368					
			0524	BO	112	49 48 25	126 09 27			360	1227-1239	13		
			0542	EN	112	49 40 25	126 09 42							
12	MSKm	ROS	0611	BE	113	49 38 82	126 05 55		173					
			0614	BO	113	49 38 80	126 05 56			164	1240-1249	10		
			0626	EN	113	49 38 86	126 05 62							
12	MUC1	ROS	0650	BE	114	49 37 35	126 03 36		125					
			0652	BO	114	49 37 35	126 03 36			116	1250-1258	9		
			0701	EN	114	49 37 36	126 03 40							
12	Sy I	ROS	1814	BE	115	49 28 10	126 16 52		137					
			1816	BO	115	49 28 11	126 16 53			132	1259-1267	9		
			1825	EN	115	49 28 09	126 16 59							
12	Sh I	ROS	1935	BE	116	49 24 76	126 07 83		176					
			1938	BO	116	49 24 75	126 07 86			170	1268-1277	10		
			1949	EN	116	49 24 69	126 07 91							
12	Mi C	ROS	2023	BE	117	49 22 79	126 04 99		139					
			2025	BO	117	49 22 78	126 04 99			133	1278-1287	10		
			2037	EN	117	49 22 72	126 04 95							
12	Mi C	NET	2055	EN	118	49 22 800	126 04 045							

Cast type:

BOT = otter 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 time

DE = deployment time
MR = messenger release time
RE = recover mooring time

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

[illegible]

Cast type:	BOT = otter cast	ROS = Rosette	USW = sea water loop	Time Code	BE = beginning time of cast	DE = deployment time
	CTD = CTD	NET = net haul			BO = bottom time of cast	MR = messenger release time
	MOR = mooring	DRF = drifter			EN = end of cast time	RE = recover mooring time