

DAILY LOG

CRUISE
NUMBER

2001-01

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

Jan 10-16 2001

VESSEL

Vector

PROJECT

SoG

Captain: JOANNE MCNISH
First Officer: SANDER FRASER

Second Officer: DUSTIN FLAIR
Third Officer: —

Mission Participants / Agencies: OSAR/IOS

Scientific Personnel: Party Chief: DIANE MASSON

[illegible]

Second leg of Mission: Party Chief:			
Name	Watch	Cabin	Name
			Watch
			Cabin

Data logging computer: F562
Data acquisition program: Seaware V1.19
CTD deck unit make: Seabird model: 11 + serial number: 0508

Primary CTD

Make: Seabird model: 911 plus serial number: 0550
 Primary temperature sensor serial number: 2374 Calibration date: 02-May-00
 Primary conductivity sensor serial number: 1764 Calibration date: 28-Sept-00
 Secondary temperature sensor serial number: 2668 Calibration date: 07-Mar-00
 Secondary conductivity sensor serial number: 2102 Calibration date: 28-Sept-00
 Other sensors: Transmissometer Wetlabs C-Star s/n: 3330R
 Other sensors: _____ s/n: _____
 Other sensors: _____ s/n: _____
 Other sensors: _____ s/n: _____

Secondary CTD

Make: _____ model: _____ serial number: _____

Primary temperature sensor serial number: _____ Calibration date: _____

Primary conductivity sensor serial number: _____ Calibration date: _____

Secondary temperature sensor serial number: _____ Calibration date: _____

Secondary conductivity sensor serial number: _____ Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Comments: _____

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

INSTITUTE OF OCEAN SCIENCES

Year 2001					Month January		Ship Vector		Cruise I.D. 2001-01					
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	S.I.	ROS	23:55	BE	01	48 39.07	123 29.32		100	100				all bottles triggered for test
			23:59	BO		48 39.06	123 29.32							
			00:05	EN		48 39.05	123 29.35							
11	59	ROS	1:53	BE	02	48 37.77	123 14.61		235		1-14	14		*CTD went down
			2:08	BO		48 37.68	123 14.61			221				and back up first
			2:24	EN		48 37.72	123 14.58							then redo cast at 2:02
11	60	ROS	3:03	BE	03	48 33.78	123 12.85		298					5 in one file
			3:14	BO		48 33.68	123 12.86			297				
			3:24	EN		48 33.57	123 12.86							
	61	ROS	3:58	BE	04	48 29.15	123 09.20		288					
			04:06	BO		48 29.00	123 09.18			270				
			04:15	EN		48 28.84	123 09.24							
	70	ROS	07:05	BE	05	48 19.25	123 43.08		151					
			07:10	BO		48 19.30	123 42.90			145				
			07:15	EN		48 19.34	123 42.73							
11	69	ROS	08:05	BE	06	48 15.59	123 43.26		181	172	15-26	12		
			08:13	BO		48 15.59	123 43.36							
			08:25	EN		48 15.59	123 43.36							

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 2001					Month JANUARY			Ship VECTOR				Cruise I.D. 2001-01			
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	
	68	ROS	909	BE	07	48 12.25	123 42.44		140						
			912	BO		48 12.28	123 42.37			136					
			0917	EN		48 12.28	123 42.25								
	73	ROS	12:02	BE	08	48 14.86	124 6.53		165						
			12:07	BO		48 14.73	124 6.52			147					
			12:11	EN		48 14.80	124 6.40								
	72	ROS	12:51	BE	09	48 18.74	124 3.80		191		27-39	13			
			12:57	BO		48 18.66	124 3.73			177					
			13:09	EN		48 18.58	124 3.68								
	71	ROS	13:47	BE	10	48 22.16	123 59.73		115						
			13:52	BO		48 22.14	123 59.78			108					
			13:55	EN		48 22.14	123 59.79								
	103	ROS	17:17	BE	11	48 32.92	124 43.18		126						
			17:23	BO		48 32.91	124 43.21			118					
			17:27	EN		48 32.90	124 43.25								
	102	ROS	18:00	BE	12	48 29.99	124 44.44		259		40-54	15			
			1809	BO		48 30.04	124 44.20			249					
			1826	EN		48 30.16	124 44.46								

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 2001					Month January			Ship VECTOR				Cruise I.D. 2001-01		
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	101		1921	BE	13	48 25.34	124 45.15		236					
			1927	BO		48 25.29	124 45.18			187				
			1932	EN		48 25.37	124 45.23							
11	74		2035	BE	14	48 25.13	124 35.64		190					
			2041	BO		48 25.13	124 35.67			180				
			2046	EN		48 25.13	124 35.64							
11	75	ROS	2123	BE	15	48 28.28	124 32.86		225		55-69	15		
			2131	BO		48 28.25	124 33.01			221				
			2155	EN		48 27.92	124 33.06							
11	76		2222	BE	16	48 31.36	124 29.93		95					↑ using 0530CTD.COM
			2230	BO		48 31.36	124 29.93			91				
			2223	EN		48 31.36	124 29.90							
12	105		0439	BE	17	48 11.08	123 19.03		91					using 0530NEW.COM STILL WON'T CONVERT
			0442	BO		48 11.07	123 19.13			85				↓
			0445	EN		48 11.04	123 19.19							
12	ADCP	ROS	0521	BE	18	48 13.94	123 18.22		121		70-79	10		
			0525	BO		48 13.92	123 18.34			113				
			0534	EN		48 13.83	123 18.57							

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 2001					Month January			Ship VECTOR				Cruise I.D. 2001-01		
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	104		0633	BE	19	48 19.98	123 16.05		68					
			0636	BO		48 19.93	123 16.16			60				
			0639	EN		48 19.91	123 16.25							
12	67		0717	BE	20	48 22.85	123 17.79		105					
			0720	BO		48 22.90	123 17.76			95				
			0724	EN		48 22.94	123 17.70							
12	66		0805	BE	21	48 19.23	123 14.24		103					
			0809	BO		48 19.27	123 14.31			99				Some variance between salinity sensors (small)
			0813	EN		48 19.29	123 14.32							
12	62	ROS	0916	BE	22	48 22.71	123 02.55		150		80-90	11		flat calm - strong
			0922	BO		48 22.63	123 02.56			148				tides
			0932	EN		48 22.58	123 02.54							
12	65	ROS	1040	BE	23	48 16.04	123 09.62		125	117	91-100	10		weight removed -
			1044	BO		48 16.01	123 09.61							bridle left on-zappel
			1052	EN		48 15.97	123 09.57							to bottom
12	64		1124	BE	24	48 12.82	123 05.64		106					
			1127	BO		48 12.83	123 05.61			100				
			1130	EN		48 12.81	123 05.62							

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 2001					Month JANUARY			Ship VECTOR					Cruise I.D. 2001 - 01			
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	63	CTD	12:09	BE	25	48	14.69	122	58.39		150					
			12:13	BO		48	14.68	122	58.41			145				
			12:17	EN		48	14.65	122	58.47							
	54	CTD	13:53	BE	26	48	26.73	122	44.44		80					
			13:55	BO		48	26.74	122	44.44			75				
			13:58	EN		48	26.76	122	44.39							
	53	CTD	15:05	BE	27	48	33.21	122	45.00		65					
			15:07	BO		48	33.21	122	45.01			60				
			15:09	EN		48	33.22	122	45.04							
	52	CTD	15:53	BE	28	48	38.90	122	48.19		82					
			15:56	BO		48	38.88	122	48.17			77				
			15:59	BN		48	38.85	122	48.16							
	51	CTD	17:13	BE	29	48	46.64	122	51.43		161					
			17:18	BO		48	46.58	122	51.37			155				
			17:23	EN		48	46.56	122	51.21							
	50	CTD	19:09	BE	30	48	43.00	123	13.98		320					
			19:20	BO		48	42.93	123	14.05			320				
			19:28	EN		48	42.92	123	14.09							

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

PDST

1400

Jan 12

- Genuine

Cust 56 - There was some serious wrapping problems on the winch and since this was a rel. deep cast we used this cast to remedy the wrap. However this ctn was also near the Potos - Saturna sill and interesting horiz. inhomogeneity and mixing process might be expected. The tide was a strongish ebb and we were down stream of the sill.

The only data I believe to be suspect is the spike at ~ 135 in T-15, since it coincide with some wrapping adjustment. However, I do not know if air wrapping adjustment can result in a spike that is consistent with the water properties around it. Steve M.

1430

- Weather exceptionally amenable to oceanographic sampling

- Strong tides evident by the amount of float saw encountered.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2001					Month JANUARY			Ship VECTOR				Cruise I.D. 2001-01		
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	57	ROS	2016	RE	31	48 44.07	123 08.19		160	155				
			2021	BO		48 44.11	123 08.28							
			2026	EN		48 44.18	123 08.36							on downcast
12	56	ROS	2122	BO	32	48 46.34	123 01.77		206-213	212	101-114	14	SM	Spikes in T+C ~155h coincides with cable stress on winch. See stove w/holy
			2224	BE	33	48 49.39	123 06.11		191					Cast 56 was in an area of hi-horiz. variability and different degrees of mixing. So although there was some wrapping problems on the winch -> go to notes
			2231	BO		48 49.45	123 05.88			188				
			2236	EN		48 49.41	123 05.80							
12	48		2258	BE	34	48 51.69	123 03.18		232					Fraser R. Plume no plume (?) well-mixed
			2305	BO		48 51.67	123 03.25			228				
			2313	EN		48 51.67	123 03.28							
12	49		2346	BE	35	48 54.46	122 59.56		134					
			2351	BO		48 54.90	122 59.61			129				
			2355	EN		48 54.91	122 59.60							
13	50		0022	BE	36	48 57.66	122 56.09		31					
			0023	BO		48 57.65	122 56.10			24				
			0024	EN		48 57.65	122 56.10							

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					Month			Ship		Vector			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
13	44	ROS	01:12	BE	37	48	56.8	123	6.0		123				-	Restarted Seasave
			01:15	BO	37							117				program - changed from
			01:19	EN												DEMO.CON to
13	45		01:46	BE	38	48	53.88	123	8.21		131					<u>OSSDNEW.CON</u> 0.1
			01:49	BO		48	53.88	123	8.23			125				may have been edited
			01:53	EN		48	53.92	123	8.26							
13	46	ROS	02:17	BE	39	48	51.44	123	10.78		180		115-126	12		
			02:23	BO		48	51.45	123	10.71			170				
			02:24	EN		48	51.36	123	10.70							
13	TM5		03:18	BE	40	48	54.06	123	15.91		205					Station #43 entered in
			03:25	BO		48	54.13	123	15.95			200				Seasave
			03:31	EN		48	54.05	123	15.89							
13	43		04:49	BE	41	49	00.18	123	30.02		206					
			04:55	BO		49	00.19	123	30.00			200				
			05:01	EN		49	00.17	123	29.97							
13	TM1		05:22	BE	42	49	00.42	123	27.34		239					
			05:30	BO		49	00.41	123	27.28			233				
			05:38	EN		49	00.48	123	27.22							

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 2001					Month January			Ship Vector				Cruise I.D. 2001-01		
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
13	TH2	ROS	0553	BE	43	49 00.92	123 24.71		322					
			0603	BO		49 01.00	123 25.66			313				HIT BOTTOM
			0615	EN		49 00.93	123 25.48							
13	42	ROS	0632	BE	44	49 01.75	123 26.15		321		127-142	16		
			0643	BO		49 01.76	123 26.22			313				
			0701	EN		49 01.88	123 26.18							
13	TH3		0803	RE	45	49 01.33	123 24.36		290					STRONG FRASER R.
			0809	BO		49 1.32	123 24.47			28				PLUME - RAIN BEGINNING
			0814	EN		49 01.33	123 24.53							
13	TH4		0831	BE	46	49 01.66	123 22.86		250					RAIN ENDED
			0837	BO		49 01.66	123 22.84			243				
			0842	EN		49 01.58	123 22.86							
13	41		0906	BE	47	49 03.22	123 22.40		245					Fiddling with
			0917	BO		49 03.35	123 22.71			241				wrap problems
			0933	EN		49 03.24	123 23.02							
13	37		1051	BE	48	49 13.71	123 20.70		216					deep water intrusion
			1055	BO		49 13.73	123 20.66			207				noted or guessed
			1059	EN		49 13.76	123 20.64							

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 2001					Month JANUARY			Ship CCGS VECTOR				Cruise I.D. 2001-01			
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	
13	38	ROS	11:36	BE	49	49 12.06	123 26.34		209					LIGHT SPRINKLE	
			11:43	BO		49 12.03	123 26.36			207				DEAD CALM - COLD PECULIAR INTER	
			11:49	EN		49 12.03	123 26.38							LEAVING IN TEMP - SOME MINOR SPREAD BETWEEN PRI. + SEC. SAL	
13	39	ROS	12:28	BE	50	49 9.80	123 33.09		383		143-159	17			
			12:36	BO		49 9.75	123 33.19			375					
			12:54	EN		49 9.88	123 33.12								
13	40		13:29	BE	51	49 8.61	123 36.78		150						
			13:34	BO		49 8.62	123 36.80			132					
			13:40	EN		49 8.65	123 36.83								
13	26		14:58	BE	52	49 14.25	123 50.85		240						
			15:03	BO		49 14.25	123 50.89			240					
			15:08	EN		49 14.26	123 50.89								
13	27	ROS	15:51	BE	53	49 19.25	123 47.97		362						
			16:01	BO		49 19.21	123 47.95			355	160-175	16			
			16:21	EN		49 19.12	123 47.93								
13	28		17:03	BE	54	49 24.11	123 45.39		138					Depth came up	
			17:08	BO		49 24.13	123 45.42			128				radically approaching	
			17:11	EN		49 24.14	123 45.43							to seaward	

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 <u>2001</u>					Month <u>January</u>			Ship <u>Vectris</u>				Cruise I.D. <u>2001-01</u>		
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
13	24	ROS	1848	BE	55	49 30.30	124 05.94		429					
			1900	BO		49 30.34	124 06.01			422				
			1919	EN		49 30.31	124 06.01							
13	25		1947	BE	56	49 27.77	124 07.28		317					LIGHT DRIZZLE
			1957	BO		49 27.81	124 07.25			316				CALM
			2007	EN		49 27.87	124 07.35							
13	2	ROS	2037	BE	57	49 24.09	124 09.30		283		176-190	15		
			2046	EN		49 24.14	124 09.16			275				
			2102	BO		49 24.20	124 09.06							
13	1		2133	BE	58	49 20.31	124 12.08		250					
				BO						245				
			2148	EN		49 20.29	124 12.10							
13	4		2249	BE	59	49 24.60	124 21.96		350					
			2258	BO		49 24.55	124 21.98			346				
			2310	EN		49 24.56	124 22.00							
13	3	ROS	2330	BE	60	49 26.56	124 20.17				191-206	16		
			2344	BO		49 26.49	124 20.19		328	325				
14			0001	EN		49 26.47	124 19.97							

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

13 Jan

2230UTC - Calm over, light drizzle over 12-16 shifts
Wire wrapping problems partially fixed at stn 39 (388m)
but still quite messy on SWAN 1-233.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year <u>2001</u>					Month <u>January</u>			Ship <u>VECTOR</u>				Cruise I.D. <u>2001-01</u>		
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
14	5	ROS	00:45	BE	61	49 27.40	124 30.76		321					
			00:54	BO		49 27.44	124 30.81			311				
			01:03	EN		49 27.44	124 30.84							
14	6	ROS	01:27	BE	62	49 30.53	124 27.72		195		207-219	13		
			01:35	BO		49 30.44	124 27.69			186				
			01:46	EN		49 30.43	124 27.83							
14	7		02:17	BE	63	49 34.37	124 24.31		355					
			02:29	BO		49 34.48	124 24.27			345				
			02:41	EN		49 34.49	124 24.34							
14	8		03:28	BE	64	49 34.33	124 32.96		343					
			03:38	BO		49 34.34	124 32.90			330				
			03:49	EN		49 34.42	124 33.10							
14	9	ROS	04:28	BE	65	49 35.51	124 38.26		172		220-231	12		
			04:35	BO		49 35.51	124 38.21			165				
			04:47	EN		49 35.46	124 38.22							
14	10		05:42	BE	66	49 40.68	124 47.30		94					
			05:45	BO		49 40.71	124 47.24			87				
			05:48	EN		49 40.73	124 47.21							

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 2001					Month January			Ship Vector				Cruise I.D. 2001-01		
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
14	11	ROS	0626	BE	67	49 42.30	124 43.35		300					
			0635	BO		49 42.34	124 43.11			290				
			0644	EN		49 42.37	124 42.94							
14	12	ROS	0763	BE	68	49 43.62	124 40.69		358					
			0715	BO		49 43.68	124 40.65			350	232-247	16		
			0734	EN		49 43.43	124 40.69							
14	13	ROS	0912	BE	69	49 55.34	124 55.31		233					cloud cover clearing
			0916	BO		49 55.38	124 55.33			231				cool and calm
			0920	EN		49 55.38	124 55.43							
14	14	ROS	0953	BE	70	49 52.98	124 59.62		315		248-263	16		Interesting stair-step
			1003	BO		49 52.99	124 59.67			309				features with very clear
			1022	EN		49 53.02	124 59.76							water
14	15	ROS	1058	BE	71	49 51.56	125 01.68		121					note: depth
			1101	BO		49 51.56	125 01.68			117				on nominal list = 143
			1104	EN		49 51.56	125 01.66							
14	16	ROS	1200	BE	72	49 57.66	125 8.66		155		264-274	11		
			1206	BO		49 57.67	125 8.67			150				
			1214	EN		49 57.65	125 8.67							

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 2001					Month January		Ship CCGS Vector					Cruise I.D. 2001-01			
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	
14	17	ROS	12:56	BE	73	49 58.85	125 4 16		260						
			12:55	BO		49 58.91	125 4.18			252					
			12:59	EN		49 58.91	125 4.23								
14	18		01:23	BE	74	49 59.19	124 58.89		150						
			01:33	BO		49 59.22	124 58.82			140					
			01:37	EN		49 59.24	124 58.83								
14	19		02:12	BE	75	50 1.19	124 52.96		280						
			02:22	BO		50 1.19	124 52.98			273					
			02:27	EN		50 1.18	124 53.04								
14	20		16:54	BE	76	49 47.24	124 32.33		313						
			17:00	BO		49 47.26	124 32.39			307					
			17:06	EN		49 47.27	124 32.47								
14	22	ROS	18:31	BE	77	49 40.24	124 16.55		358						
			18:41	BO		49 40.21	124 16.47			350					
			18:53	EN		49 40.10	124 16.38								

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