

ROSETTE LOG

MISSION ID: 2002-12 STATION: SANB CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 9/4/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	1	84	2.165		✓ 103	✓		×										
2	2	255	1.646		✓ 103			×										
3	3	364	5.610		✓ 50			×										(had a small air bubble) 57
4	4	392	5.663		✓ 50			×										
5	5	534	9.418		✓ 1			×										
6	6	535	9.000		✓ 1			×										
7																		S ₁ S ₂ S ₃
8																		.038
9																		.030
10																		.048
11																		.071
12																		.040
13																		.027
14																		.034
15																		.039
16																		.027
17																		.021
18																		.027
19																		
20																		
21																		S ₁ 0-50 70
22																		Net 0-30 50
23																		Phos. 0-3
24																		

Comments: _____

SHIP: Vector
 ENTERED BY: S. Toews
 CHECKED BY: _____

Bottom Depth: 110

Cast # down: _____
 Cast # up: _____

Time	LOC	UTC
Begin:		1403
Bottom:		1405
End:		1411

START POSITION (GPS)
 LAT: 48°39'48
 LONG: 123°29'60

BOTTOM POSITION (GPS)
 LAT: 48°39'49
 LONG: 123°29'59

END POSITION (GPS)
 LAT: 48°39'49
 LONG: 123°29'58

.027	.003
.027	.004
.027	.003

10 heads
 11 mnts

ROSETTE LOG

MISSION ID: 2002-12 STATION: 59 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 9/4/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	7	572	4097	bot-5	✓	215		T	T									
2	8	588	4144	200	✓	200												
3	9	632	4402	175	✓	175												
4	10	657	4563	150	✓	150												
5	11	695	5113	125	✓	125												
6	12	697	5524	100	✓	100												
7	13	707	5758	75	✓	75												
8	14	708	5992	50	✓	50												
9	15	709	6067	40	✓	40												
10	16	712	6202	30	✓	30												
11	17	715	6225	20	✓	20												
12	18	727	6313	10	✓	10												
13	19	730	6452	5	✓	5												
14	20	1105	6483	swf														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 231

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1608

Bottom:1615

End:1628

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 32.38

LONG: 123 1457

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 102 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 09/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	21	84	1.890	bot-5	✓	241	✓											
2	22	255	1.834	250	✓	241	✓											
3	23	364	1.965	200	✓	260	✓											
4	24	392	2.018	175	✓	175	✓											
5	25	534	2.147	150	✓	149	✓											
6	26	535	2.230	125	✓	125	✓											
7	27	572	2.619	100	✓	100	✓											
8	28	588	3.170	75	✓	74	✓											
9	29	632	4.159	50	✓	50	✓											
10	30	657	4.340	40*	✓	40	✓											on oxygen computer entered depth of 25m by * mistake ST
11	31	695	4.672	30	✓	30	✓											
12	32	697	4.893	20	✓	20	✓											
13	33	707	5.305	10	✓	10	✓											
14	34	708	5.404	5	✓	5	✓											
15	35	709	5.465	surf		.63	✓											
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: _____

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT: 48

LONG: 124

BOTTOM POSITION (GPS)

LAT: 48

LONG: 124

END POSITION (GPS)

LAT: 48

LONG: 124

ROSETTE LOG

MISSION ID: 2002-12 STATION: 75 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 10/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	36	1141	1.915	807.5	✓	217	✓											
2	37	1142	1.880	200	✓	200												
3	38	1146	1.894	175	✓	175												
4	39	1148	2.159	150	✓	150												
5	40	1153	2.427	125	✓	125												
6	41	1158	3.154	100	✓	100												
7	42	1171	3.758	75	✓	75												
8	43	1174	4.505	50	✓	50												
9	44	1175	4.838	40	✓	39												
10	45	1176	5.151	30	✓	30												
11	46	1188	5.338	20	✓	20												
12	47	1189	5.661	10	✓	10												
13	48	1191	5.808	5	✓	5												
14	49			SURF	⊗	1												seps - didn't trip
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: S. Toews

CHECKED BY:

Bottom Depth: 224

Cast # down: 9

Cast # up:

TimeLOCUTC

Begin:0437

Bottom:0443

End:0459

START POSITION (GPS)

LAT: 48°28.18

LONG: 124°32.80

BOTTOM POSITION (GPS)

LAT: 48°28.21

LONG: 124°32.80

END POSITION (GPS)

LAT: 48°28.50

LONG: 124°32.86

ROSETTE LOG

MISSION ID: 2002-12 STATION: 72 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 10/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	49	1231	1974	60-5	✓ 184	✓												
2	50	1233	2007	175	✓	✓												
3	51	1235	2002	150	✓	✓												
4	52	1237	2044	125	✓													
5	53	1238	2638	100	✓													
6	54	1241	3550	75	✓													
7	55	1243	4225	50	✓													
8	56	1244	4317	40	✓													
9	57	1247	4466	30	✓													
10	58	1248	4820	20	✓													
11	59	1249	5348	10	✓													
12	60	1254	5344	5	✓													
13	61	1256	5380	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 191

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom: 0839
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4818.60
LONG: 12403.96

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 69 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): april 10, 2002

				ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
						OXY				ALK		CHL							
1	62	84	2.198	607-5	✓ 173														
2	63	255	2.170	150	✓ 150														
3	64	364	2.196	125	✓ 125														
4	65	392	2.494	100	✓ 100														
5	66	534	3.872	75	✓ 75														
6	67	535	4.485	50	✓ 50														
7	68	572	4.817	40	✓ 40														
8	69	588	5.008	30	✓ 30														
9	70	632	5.378	20	✓ 20														
10	71	657	5.531	10	✓ 10														
11	72	695	5.667	5	✓ 5														
12	73	697	5.721	0	✓ 142														
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 177

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		12:17
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 4815.60
LONG: 123 43.21

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: ADCP CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 10/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	74	707	2705	113	✓	113		✓	✓									
2	75	708	2875	100	✓	99.6		1	1									
3	76	709	2.809	75	✓	75												
4	77	712	4.629	50	✓	50												
5	78	715	4.833	40	✓	40												
6	79	727	4844	30	✓	30												
7	80	730	5.382	20	✓	20												
8	81	1105	5.889	10	✓	10												
9	82	1110	6.018	5	✓	5												
10	83	1126	6.178	SURF	✓	71		✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 119

Cast # down: 18

Cast # up:

Time

LOC

UTC

Begin: 1621

Bottom: 1624

End:

START POSITION (GPS)

LAT: 48°14.00

LONG: 123°17.93

BOTTOM POSITION (GPS)

LAT: 43°14.01

LONG: 123°17.95

END POSITION (GPS)

LAT: 43°14.

LONG: 123°

ROSETTE LOG

MISSION ID: 2002-12

STATION: 62

CAST NUMBER: 22

UTC DATE (dd/mm/yyyy):

10/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	84	1142	3.201	150	✓	✓	✓	✓										
2	85	1146	3.325	125	✓	✓												
3	86	1148	3.901	100	✓													
4	87	1153	4.637	75	✓													
5	88	1158	5.081	50	✓													
6	89	1171	5.252	40	✓													
7	90	1174	5.296	30	✓													
8	91	1175	5.404	20	✓													
9	92	1176	5.799	10	✓													
10	93	1188	5.879	5	✓													
11	94	1189	6.049	0	✓			✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 150

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 1929

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4822.78

LONG: 12302.64

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 65 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 10/04/2002

				ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
						OXY				ALK		CHL							
1	95	1192	3.090	121	✓														
2	96	1193	3.379	100	✓														
3	97	1194	3.808	75	✓														
4	98	1195	4.434	50	✓														
5	99	1201	4.702	40	✓														
6	100	1203	4.916	30	✓														
7	101	1206	5.404	20	✓														
8	102	1209	5.599	10	✓														
9	103	1210	5.917	5	✓														
10	104	1212	5.979	0	✓														
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 122

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 20:43

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4816.13

LONG: 123 09.64

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 5.6 CAST NUMBER: #30 UTC DATE (dd/mm/yyyy): 11/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	105	84	4.577	ROT.-5	✓	200												
2	106	255	4.525	200	✓	186												
3	107	364	4.475	175	✓	176												
4	108	392	4.704	150	✓	150												
5	109	534	5.111	125	✓	124												
6	110	535	5.163	100	✓	99												
7	111	572	5.335	75	✓	75												
8	112	588	5.502	50	✓	50												
9	113	632	5.616	40	✓	40												
10	114	657	5.735	30	✓	30												
11	115	695	5.690	20	✓	20												
12	116	697	5.852	10	✓	10												
13	117	707	6.050	5	✓	5												
14	118	708	6.247	surf	✓	71												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: S. Tews
CHECKED BY:

Bottom Depth: ~ 210

Cast # down: 30
Cast # up:

Time	LOC	UTC
Begin:		0409
Bottom:		0416
End:		04

START POSITION (GPS)
LAT: 48° 46.34
LONG: 123° 01.82

BOTTOM POSITION (GPS)
LAT: 48° 46.36
LONG: 123° 01.82

END POSITION (GPS)
LAT: 48° 46.
LONG: 123° 01

ROSETTE LOG

MISSION ID: 2002-12 STATION: 46 CAST NUMBER: 37 UTC DATE (dd/mm/yyyy): 11/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	119	712	5.025	807	✓	174												
2	120	715	4.937	175	✓	174												
3	121	727	5.051	150	✓													
4	122	730	5.215	125	✓	126												
5	123	1105	5.776	100	✓	100												
6	124	1110	5.911	75	✓	75												
7	125	1126	5.971	50	✓	50												
8	126	1128	5.831	40	✓	40												
9	127	1130	5.493	30	✓	30												
10	128	1134	6.192	20	✓	20												
11	129	1135	6.229	10	✓	10												
12	130	1136	7.543	5	✓	5												
13	131	1137	9.832	0	✓	1.33												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 179

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom: 1133

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 51.41

LONG: 123 10.80

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 42 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): April 11, 2002

				ROSETTE OPERATION			Samples taken															
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed	pressure	SAL		NUT		TCO		C13									
							OXY				ALK		CHL									
1	132	535	3.410	BOT	✓	320	✓															
2	133	1158	2.834	300	✓	300	✓															
3	134	1153	3.218	250	✓	249																
4	135	1148	3.990	200	✓	200																
5	136	1146	4.800	175	✓	175																
6	137	1142	4.966	150	✓	150																
7	138	1191	5.108	125	✓	125																
8	139	1189	4.990	100	✓	101																
9	140	1188	4.813	75	✓	75																
10	141	1176	4.888	50	✓	50																
11	142	1175	5.090	40	✓	40																
12	143	1174	5.807	30	✓	30																
13	144	1192	6.540	20	✓	20																
14	145	1193	7.630	10	✓	10																
15	146	1194	9.386	5	✓	5																
16	147	1195	9.217	surf	✓	0																
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 326

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom: 14:42

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 4901.78

LONG: 123 2647

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 39 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 11/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	148	1231	2.506	380	✓ 378													On bottom
2	149	1233	2.599	350	✓ 350													
3	150	1235	2.714	300	✓ 300													
4	151	1237	3.140	250	✓ 250													
5	152	1238	3.867	200	✓ 200													
6	153	1241	4.360	175	✓ 175													
7	154	1243	4.556	150	✓ 150													
8	155	1244	4.985	125	✓ 125													
9	156	1247	5.071	100	✓ 100													
10	157	1248	4.930	75	✓ 75													
11	158	1249	5.563	50	✓ 50													
12	159	1254	5.406	40	✓ 40													
13	160	1256	5.118	30	✓ 30													
14	161	1258	5.388	20	✓ 20													
15	162	1260	6.847	10	✓ 10													near end point
16	163	1261	9.142	5	✓ 5													
17	164	1264	9.252	0	✓ 71													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: S. Trews
CHECKED BY:

Bottom Depth: 380

Cast # down: 44
Cast # up:

Time	LOC	UTC
Begin:		1650
Bottom:		1657
End:		1716

START POSITION (GPS)
LAT: 49°09.74
LONG: 123°32.93

BOTTOM POSITION (GPS)
LAT: 49°09.69
LONG: 123°33.03

END POSITION (GPS)
LAT: 49°09.56
LONG: 123°33.32

Comments:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 27 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 11/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	165	1281	2.599	345	✓													
2	166	1282	2.801	300	✓													
3	167	1283	3.085	250	✓													
4	168	1284	3.803	200	✓													
5	169	1285	4.128	175	✓													
6	170	1286	4.736	150	✓													
7	171	1287	4.874	125	✓													* Nit + Sal too low?
8	172	1288	5.294	100	✓													
9	173	1290	4.671	75	✓													
10	174	1291	4.713	50	✓													
11	175	1292	5.160	40	✓													
12	176	1293	5.658	30	✓													
13	177	1294	6.516	20	✓													
14	178	1295	9.191	10	✓													
15	179	1297	9.356	5	✓													
16	180	1298	9.371	0	✓													endpt not great ✓
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: S. Toews
CHECKED BY:

Bottom Depth: 350

Cast # down: 48
Cast # up:

Time	LOC	UTC
Begin:		2127
Bottom:		2136
End:		2153

START POSITION (GPS)
LAT: 49°19.12
LONG: 123°47.93

BOTTOM POSITION (GPS)
LAT: 49°19.31
LONG: 123°47.97

END POSITION (GPS)
LAT: 49°19.69
LONG: 123°48.34

ROSETTE LOG

MISSION ID: 2002-12 STATION: 2 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13								
																				OXY
1	181	84	2.982	250	✓	BOT	1													
2	182	255	2.972	250	✓	250														
3	183	364	3.909	200	✓	200														
4	184	392	4.742	175	✓	175														
5	185	534	4.884	150	✓	150														
6	186	535	5.091	125	✓	125														
7	187	572	5.241	100	✓	100														loose stopper
8	188	588	4.811	75	✓	75														
9	189	632	4.633	50	✓	50														
10	190	657	4.719	40	✓	40														
11	191	695	5.116	30	✓	30														
12	192	697	6.366	20	✓	20														
13	193	707	8.976	10	✓	10														
14	194	708	9.079	5	✓	5														poor endpoint
15	195	709	9.230	1	✓	0														
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 278

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		02:12
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 24 03

LONG: 124 09 10

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 4 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	196	715	2533	bottom	✓	346		✓	✓									
2	197	727	2657	300	✓	301												
3	198	730	2920	250	✓	250												
4	199	1105	3.459	200	✓	200												
5	200	1110	3.961	175	✓	175												
6	201	1126	4.421	150	✓	150												
7	202	1128	4.524	125	✓	125												
8	203	1130	4.300	100	✓	101												
9	204	1134	4.354	75	✓	77												
10	205	1135	4.705	50	✓	50												
11	206	1136	4.920	40	✓	40												
12	207	1137	5.193	30	✓	30												
13	208	1138	6.065	20	✓	20												
14	209	1141	6.489	10	✓	10												108.57
15	210	1313	6.509	5	✓	5												1.113 136.56
16	211	1314	6.487	surf.		~2.5		✓	✓									1.109 136.53
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: S. Toews
CHECKED BY:

Bottom Depth: 344

Cast # down: 55
Cast # up:

Time	LOC	UTC
Begin:		<u>0436</u>
Bottom:		<u>0444</u>
End:		

START POSITION (GPS)
LAT: 49°24'50
LONG: 124°21'93

BOTTOM POSITION (GPS)
LAT: 49°24'51
LONG: 124°21'68

END POSITION (GPS)
LAT: 49°24
LONG: 124°21

ROSETTE LOG

MISSION ID: 2002-12 STATION: 6 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	212	1142	4.199	bot	✓ 184		✓	✓										
2	213	1146	4.592	175	✓ 175													
3	214	1148	5.065	150	✓ 150													
4	215	1153	5.002	125	✓ 126													
5	216	1158	4.293	100	✓ 100													
6	217	1171	4.367	75	✓ 75													
7	218	1174	4.847	50	✓ 50													
8	219	1175	5.157	40	✓ 39													
9	220	1176	8.113	30	✓ 30													
10	221	1188	8.580	20	✓ 20													
11	222	1189	8.681	10	✓ 10			✓										
12	223	1191	8.869	5	✓ 5													nuts not taken
13	224	1192	8.852	0	✓ 2		✓											"
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: S. Trews
CHECKED BY:

Bottom Depth: 190

Cast # down: 57
Cast # up:

Time	LOC	UTC
Begin:		<u>0641</u>
Bottom:		<u>0646</u>
End:		<u>0658</u>

START POSITION (GPS)
LAT: 49°30.60
LONG: 124°27.75

BOTTOM POSITION (GPS)
LAT: 49°30.59
LONG: 124°27.56

END POSITION (GPS)
LAT: 49°30.54
LONG: 124°27.11

Comments:

ROSETTE LOG

MISSION ID: 2002-12 STATION: 9 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	225	1193	3.208	607	✓	165	✓											
2	226	1194	3.360	150	✓													
3	227	1195	3.840	125	✓													
4	228	1201	4.022	100	✓													
5	229	1203	4.227	75	✓													
6	230	1206	4.660	50	✓													
7	231	1209	4.876	40	✓													
8	232	1210	5.745	30	✓													
9	233	1212	6.713	20	✓													
10	234	1215	7.009	10	✓													
11	235	1216	7.057	5	✓													
12	236	1222	7.050	0	✓			✓	✓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: _____

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 73

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:	<u>09:30</u>	
Bottom:	<u>09:34</u>	
End:	<u>09:45</u>	

START POSITION (GPS)

LAT: 49°35.50

LONG: 124°38.27

BOTTOM POSITION (GPS)

LAT: 49°35.50

LONG: 124°38.24

END POSITION (GPS)

LAT: 49°35.50

LONG: 124°38.30

oxygen kit #3.

ROSETTE LOG

MISSION ID: 2002-12 STATION: 12 CAST NUMBER: 63 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	237	1231	2.738	bot	✓	351												
2	238	1233	3.001	300	✓	300												
3	239	1235	3.283	250	✓	250												
4	240	1237	3.616	200	✓	200												
5	241	1238	4.055	175	✓	174												
6	242	1241	4.382	150	✓	150												
7	243	1243	4.082	125	✓	125						1250						lot of undissolved particles
8	244	1244	3.859	100	✓	100												
9	245	1247	4.100	75	✓	75												
10	246	1248	4.715	50	✓	50												
11	247	1249	5.166	40	✓	40												
12	248	1254	7.026	30	✓	30												
13	249	1256	8.415	20	✓	20												
14	250	1258	8.545	10	✓	10												
15	251	1260	8.667	5	✓	5												
16	252	1261	8.942	0	✓	Surf.		✓	✓									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vecton
 ENTERED BY: #
 CHECKED BY: #

Bottom Depth: 351

Cast # down: 63
 Cast # up:

Time	LOC	UTC
Begin:	<u>11:36</u>	
Bottom:	<u>11:43</u>	
End:	<u>11:53</u>	

START POSITION (GPS)
 LAT: 49 43 62
 LONG: 124 40 83

BOTTOM POSITION (GPS)
 LAT: 49 43 60
 LONG: 124 40 80

END POSITION (GPS)
 LAT: 49 43 60
 LONG: 124 43 60

Comments: For sample # 239 - I was running out of H₂SO₄ + didn't realize; so I did not get a full ml for a proper titration. SJ.

ROSETTE LOG

MISSION ID: 2002-12 STATION: 14 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken												
				Sample Depth	Confirmed	pressure	SAL		NUT		TCO		C13						
								OXY				ALK		CHL					
1	253	1281	2.831	BOT	✓	308													
2	254	1282	2.879	300	✓	300													
3	255	1283	3.152	250	✓	250													
4	256	1284	3.441	200	✓	200													
5	257	1285	3.480	175	✓	175													
6	258	1286	3.712	150	✓	150													
7	259	1287	3.745	125	✓	125													
8	260	1288	4.049	100	✓	100													
9	261	1290	4.485	75	✓	75													
10	262	1291	4.988	50	✓	50													
11	263	1292	5.062	40	✓	40													
12	264	1293	5.243	30	✓	30													
13	265	1294	5.233	20	✓	20													
14	266	1295	7.511	10	✓	10													
15	267	1297	7.709	5	✓	5													
16	268	1298	7.684	0	✓	0													
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: Vector
 ENTERED BY:
 CHECKED BY:

Bottom Depth:

Cast # down: 66
 Cast # up:

Time LOC UTC
 Begin: 14:42
 Bottom: 14:45
 End: 14:47

START POSITION (GPS)
 LAT: 49 51 58
 LONG: 125 1 58

BOTTOM POSITION (GPS)
 LAT: 49 51 58
 LONG: 125 1 59

END POSITION (GPS)
 LAT: 49 51 58
 LONG: 125 1 61

Comments: Check sample #'s - I may have been putting 296's instead of 266's. 51

ROSETTE LOG

MISSION ID: 2002-12 STATION: 16 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	269	1301	3429	bot	✓ 151													
2	270	1302	3426	125	✓ 125													
3	271	1303	4.318	100	✓ 100													
4	272	1304	4.827	75	✓ 75													
→ 5	273	1305	6.753	50	✓ 50													
6	274	1306	5.046	40	✓ 40													
7	275	1307	5.085	30	✓ 30													
8	276	1309	5.183	20	✓ 20													
9	277	1310	5.250	10	✓ 10													
10	278	1311	5.368	5	✓ 5													
11	279	1313	6.286	0	✓ 1.8-2.0													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: S. TOEWIS

CHECKED BY: _____

Bottom Depth: 155

Cast # down: 67

Cast # up: _____

Time	LOC	UTC
Begin:		
Bottom:		<u>1542</u>
End:		

START POSITION (GPS)

LAT: _____

LONG: _____

BOTTOM POSITION (GPS)

LAT: 49 57.70

LONG: 125 08.79

END POSITION (GPS)

LAT: _____

LONG: _____

Comments: _____
