

ROSETTE LOG

MISSION ID: 2003-41 STATION: 56 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 01/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		TOC				
							OXY				ALK		CHL		DOL			
1	1	1287	4.771	8	190	x				x				x	x			(a little bubble in flask prior to titration)
2	2	1290	4.595	200	190	x												
3	3	1291	4.562	175	175.5													
4	4	1293	4.578	150	150.5					x				x	x			
5	5	1294	4.563	125	125.2													
6	6	1295	4.492	100	100.3													
7	7	1298	4.596	75	75.3					x				x	x			
8	8	1299	4.814	50	50.8													
9	9	1306	4.876	30	30.4													
10	10	1301	4.853	20	20.3					x				x	x			
11	11	1302	4.815	10	10.4													
12	12	1303	5.921	0	-0.2					x				x	x			
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: Sf
CHECKED BY:

Bottom Depth: 203

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:	0046	0846
Bottom:	0048	0848
End:	missed that. Sorry	

START POSITION (GPS)
LAT: 48°46.495'
LONG: 123°1.667'

BOTTOM POSITION (GPS)
LAT: 48°46.529'
LONG: 123°1.694'

END POSITION (GPS)
LAT: 48°46.469
LONG: 123°1.534

ROSETTE LOG

MISSION ID: 2003-41 STATION: 62 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 02/12/2003

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	13	1304	3.984	101-5	✓ 143			✓	✓	×								
2	14	1305	4.055	125	✓ 126													
3	15	1306	4.148	100	✓ 101													
4	16	1307	4.542	75	✓					×								
5	17	1309	4.869	50	✓													
6	18	1310	5.114	30	✓													
7	19	1318	5.163	20	✓					×								
8	20	1317	5.191	10	✓													
9	21	1315	5.355	5	✓													
10	22	1314	5.405	0	✓					×	×							
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 147

Cast # down: 12

Cast # up:

Time	LOC	UTC
Begin:		1937
Bottom:		1941
End:		

START POSITION (GPS)

LAT: 48°22.77

LONG: 123°02.40

BOTTOM POSITION (GPS)

LAT: 48°22.75

LONG: 123°02.33

END POSITION (GPS)

LAT: 48°22.72

LONG: 123°02.18

ROSETTE LOG

MISSION ID: 2003-41 STATION: 75 CAST NUMBER: 15 17 UTC DATE (dd/mm/yyyy): 03/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										Station 102 Skipped due to weather
				Sample Depth	Confirmed pressure	SAL		NUT		TCO ₂		C13		Doc		
							OXY			ALK		CHL		Toc		
1	23	1340	2.394	bottom	222.5	X				X				X	X	
2	24	1334	2.302	bottom	222.5	X										
3	25	1344	2.378	200	200											
4	26	1336	2.471	175	175											
5	27	1350	2.747	150	150					X				X	X	
6	28	1351	3.514	125	125											
7	29	1352	4.115	100	100											
8	30	1353	5.286	75	75					X				X	X	
9	31	—		50	50											no sample - spigot broken
10	32	364	5.843	30	30											
11	33	535	6.328	20	20					X				X	X	
12	34	572	6.417	10	10											
13	35	657	6.429	0	0.4					X				X	X	
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP:
ENTERED BY: SF
CHECKED BY:

Bottom Depth: 226

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		0826
Bottom:		0834
End:		0854

START POSITION (GPS)
LAT: 48°27.968
LONG: 124°32.552

BOTTOM POSITION (GPS)
LAT: 48°27.924
LONG: 124°32.472

END POSITION (GPS)
LAT: 48°31.274
LONG: 124°30.306

ROSETTE LOG

MISSION ID: 2003-41 STATION: 72 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 03/12/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCQ		C13		DO	TC			
						OXY				ALK		CHL		TOL				
1	36	708	2.408	bottom	✓ 181					x				x	x			
2	37	1130	2.603	175	✓ 175													
3	38	1135	2.530	150	✓ 150													
4	39	1136	3.365	125	✓ 126					x				x	y			
5	40	1137	4.180	100	✓ 100													
6	41	1138	4.540	75	✓ 75													
7	42	1142	4.644	50	✓ 50					x				x	x			
8	43	1146	5.517	30	✓ 30													
9	44	1153	5.842	20	✓ 20													
10	45	1158	6.066	10	✓ 10					x				x	y			
11	46	1175	6.152	0	✓ 0													
12																		
13										x				x	y			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2003-41 STATION: 69 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 03/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO ₂		C13		D0C				
							OXY				ALK		CHL		TC			
1	47	1287	2.613	BOT-5	✓	175				X				X	X			
2	48	1290	2.564	150	✓	151				X				X	X			
3	49	1291	3.318	125	✓	126												
4	50	1293	4.155	100	✓	101												
5	51	1294	4.260	75	✓	75				X				X	X			
6	52	1295	4.600	50	✓	50												
7	53	1298	4.784	30	✓	30												
8	54	1299	4.802	20	✓	20				X				X	Y			
9	55	1300	5.023	10	✓	10												
10	56	1301	5.218	0	-	0.2				X				X	Y			
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2003-41 STATION: ADCP CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 03/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		DOC				
							OXY			ALK		CHL		Toc.				
1	57	1304	3.720	BOT	117					X	X			X	X			
2	58	1305	3.765	100	99.5													
3	59	1306	4.184	75	74.8					X				X	X			
4	60	1307	4.332	50	50													
5	61	1309	4.698	30	30													
6	62	1314	4.809	20	20					X				X	X			
7	63	1316	5.049	10	9.8					X				X	X			Nutrient rep, bottle 7 + DOC + Toc reps
8	64	1318	—	0	-0.49													Bottle 8 on by V2 Rred (top fired but not bottom)
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * O2 -> put wrong data in -> (need to reverse sample # 63 + 64) S.T.

SHIP:

ENTERED BY: SJ

CHECKED BY:

Bottom Depth: 84m 120m

Cast # down: 26

Cast # up:

TimeLOCUTC

Begin:2124

Bottom:2128

End:2212

START POSITION (GPS)

LAT: 48°13.993

LONG: 123°18.152

BOTTOM POSITION (GPS)

LAT: 48°13.981

LONG: 123°18.229

END POSITION (GPS)

LAT: 48°10.991

LONG: 123°19.049

ROSETTE LOG

MISSION ID: 2003-41 STATION: 65 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 4/2/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		DO					
							OXY			ALK		CHL			Tor				
1	65	1340	4.079	bottom	✓ 120	X				X				X	X				
2	66	1334	-	100	✓													Wrong sample # (65) ↳ forgot magnet 1.501 ml ST.	
3	67	1344	4.744	75	✓					X				X	X				
4	68	1336	5.064	50	✓														
5	69	1350	5.404	30	✓														
6	70	1351	5.427	20	✓					X				X	X				
7	71	1352	5.455	10	✓														
8	72	1353	5.537	0	✓					X				X	X				
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ROSETTE LOG

MISSION ID: 2003-41 STATION: 59 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 04/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO ₂		C13		DO ₂					
						OXY				ALK		CHL		TOC					
1	73	1298	4.490	• BOT-5	✓ 235	✓	X	XX		X	X			X	X				
2	74	1299	4.200	200	✓ 201	✓													
3	75	1300	4.466	175	✓ 175														
4	76	1301	4.552	• 150	✓ 150					X				X	X				
5	77	1302	4.587	125	✓ 125														
6	78	1303	4.606	100	✓ 100														
7	79	1287	4.754	75	✓ 76					X				X	X				
8	80	1290	4.907	50	✓ 52														
9	81	1291	4.923	30	✓ 31														
10	82	1293	4.961	• 20	✓ 20					X				X	X				
11	83	1294	4.994	10	✓ 10														
12	84	1295	5.069	• 0	✓ 0.3		✓	✓		X				X	X				
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 239

Cast # down: 34
Cast # up:

Time	LOC	UTC
Begin:		0459
Bottom:		0505
End:		0519

START POSITION (GPS)
LAT: 48° 37.86
LONG: 123° 14.40

BOTTOM POSITION (GPS)
LAT: 48° 37.96
LONG: 123° 14.34

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-41 STATION: 46 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 04/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		DOC				
						OXY				ALK		CHL		TOC				
1	85	1287	3.915	1 BOT-5	167	X												
2	86	1290	4.153	150	150													
3	87	1291	4.327	125	125													
4	88	1293	4.492	100	100													
5	89	1294	4.806	75	75													
6	90	1295	4.029	50	50													
7	91	1298	4.330	30	30													
8	92	1299	4.543	20	20													
9	93	1300	5.110	10	10													
10	94	1301	6.549	0	0.4													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: SF

CHECKED BY:

Bottom Depth: 170

Cast # down: 35

Cast # up:

TimeLOCUTC

Begin:0814

Bottom:0821

End:—

START POSITION (GPS)

LAT: 48°51.510

LONG: 123°10.896

BOTTOM POSITION (GPS)

LAT: 48°51.618

LONG: 123°11.183

END POSITION (GPS)

LAT: oops

LONG:

ROSETTE LOG

MISSION ID: zero 3-41 STATION: 42 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 4/12/2003

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	95	1302	2.629	bottom	✓	313												
2	96	1303	2.796	300	✓													
3	97	1304	2.856	250	✓													
4	98	1305	2.908	200	✓													
5	99	1306	3.119	175	✓													
6	100	1307	3.054	150	✓													
7	101	1309	4.216	125	✓													
8	102	1314	4.626	100	✓													
9	103	1310	4.711	75	✓													
10	104	1318	4.357	50	✓													
11	105	1319	3.680	30	✓													
12	106	1315	4.275	20	✓													
13	107	1319	5.681	10	✓	9.81												
14	108	1324	6.819	0	✓	5.4												DIC not collected flow surface ROT #14
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: Vector

ENTERED BY: JS

CHECKED BY: JS

Bottom Depth: 313

Cast # down: 39

Cast # up: 39

TimeLOCUTC

Begin:1234

Bottom:1242

End:

START POSITION (GPS)

LAT: 49 18 79

LONG: 123 26 18

BOTTOM POSITION (GPS)

LAT: 49 18 82

LONG: 123 26 08

END POSITION (GPS)

LAT: 49 18 3

LONG: 123 26 04

ROSETTE LOG

MISSION ID: 2003-41 STATION: 39 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 4/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		DO				
						OXY				ALK		CHL		TOL				
1	109	1346	2.502	BOT-5	✓ 369?	✓	X	X		X				X	X			
2	110	1334	2.538	350	✓													bubble on lens.
3	111	1344	2.611	300	✓													
4	112	1336	2.816	250	✓													
5	113	1350	3.130	200	✓													
6	114	1351	3.179	175	✓													
7	115	1352	3.564	150	✓					X				X	Y			
8	116	1353	3.017	125	✓													
9	117	1354	3.228	100	✓													
10	118	364	3.139	75	✓					X				X	X			
11	119	535	3.952	50	✓													
12	120	572	4.070	30	✓													
13	121			20	✓					X				X	X			no water -
14	122	708	5.685	10	✓													
15	123	1130	6.812	0	✓					X				X	X			
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2003-41

STATION: 27

CAST NUMBER: 46

UTC DATE (dd/mm/yyyy): 04/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		90				
							OXY			ALK		CHL		160				
1	124	1287	2.788	300-5	345	X				✓				X	X			
2	125	1290	2.643	300	300	X												
3	126	1291	2.676	250	250	X												
4	127	1293	2.880	200	200													
5	128	1294	3.283	175	175													
6	129	1295	3.509	150	150					X				X	X			
7	130	1298	3.570	125	125													
8	131	1299	3.918	100	100													
9	132	1300	3.745	75	75					X				X	+			
10	133	1301	3.937	50	50													
11	134	1302	4.611	30	30													
12	135	1303	5.377	20	20					X				X	X			
13	136	1304	5.921	10	10													
14	137	1305	6.526	0	-0.1					+				+	+			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: SP

CHECKED BY:

Bottom Depth: 348

Cast # down: 4/6

Cast # up:

Time LOC UTC

Begin: 2056

Bottom: 2104

End: 2122

START POSITION (GPS)

LAT: 49°19.086

LONG: 123°48.0

BOTTOM POSITION (GPS)

LAT: 49°19.08

LONG: 122°48.01

END POSITION (GPS)

LAT: 49°19.016

LONG: 123°48.005

Comments:

ROSETTE LOG

MISSION ID: 2003-41 STATION: 16 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 05/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	138	1334	3.281	BOT-5	✓	150148	X	X	X									
2	139	1336	4.042	125	✓				X	X								
3	140	1340	4.165	100	✓													
4	141	1344	4.666	75	✓				X									
5	142	1350	5.009	50	✓													
6	143	1351	5.056	30	✓													
7	144	1352	5.280	20	✓				X									
8	145	1353	5.362	10	✓													
9	146	1354	5.372	0	✓				X									
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 155

Cast # down: 51
Cast # up:

Time	LOC	UTC
Begin:		1855
Bottom:		1901
End:		

START POSITION (GPS)
LAT: 49.57.69
LONG: 125.08.73

BOTTOM POSITION (GPS)
LAT: 49.57.74
LONG: 125.08.65

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-41 STATION: 14 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 05/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		DO		CHL	TC	
1	147	364	2.539	313						✓				X	X			
2	149	535	2.520	296														
3	149	572	2.584	250														
4	150	657	2.664	200														
5	151	708	2.644	175														
6	152	1130	2.640	150						X				X	Y			
7	153	1135	2.675	125														
8	154	1136	2.966	100						X				X	X			
9	155	1137	4.155	75														
10	156	1138	4.994	50														
11	157	1142	5.644	30														
12	158	1146	5.644	20						X				X	X			
13	159	1153	5.892	10														
14	160	1158	5.720	6						X				X	X			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: 81

CHECKED BY:

Bottom Depth: 315

Cast # down: 53

Cast # up:

Time LOC UTC

Begin: 2100

Bottom: 2107

End: 2123

START POSITION (GPS)

LAT: 49°52.981

LONG: 124°59.640

BOTTOM POSITION (GPS)

LAT: 49°52.910

LONG: 124°59.636

END POSITION (GPS)

LAT: 49°52.700

LONG: 124°59.527

ROSETTE LOG

MISSION ID: 2003-41 STATION: 12 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 06/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK		CHL		
1	161	1287	2.529	Bot	✓ 351	X	X	X		X	X					X	X	
2	162	1290	2.609	300	✓	↓												
3	163	1291	2.630	250	✓													
4	164	1293	2.646	200	✓													
5	165	1294	2.639	175	✓													
6	166	1295	2.661	150	✓					X						X	X	
7	167	1298	2.657	125	✓													
8	168	1299	2.674	100	✓													
9	169	1300	3.205	75	✓					X						X	X	
10	170	1301	5.977	50	✓													
11	171	1302	6.097	30	✓													
12	172	1303	6.172	20	✓					X						X	X	
13	173	1304	6.154	10	✓													
14	174	1305	6.181	0						X						X	X	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY: ST
 CHECKED BY:

Bottom Depth: 357

Cast # down: 55

Cast # up:

Time	LOC	UTC
Begin:		0541
Bottom:		0549
End:		0605

START POSITION (GPS)
 LAT: 49°43.65
 LONG: 124°40.76

BOTTOM POSITION (GPS)
 LAT: 49°43.71
 LONG: 124°40.65

END POSITION (GPS)
 LAT: 49°43.72
 LONG: 124°40.83

Comments:

ROSETTE LOG

MISSION ID: 2003-41

STATION: 9

CAST NUMBER: 58

UTC DATE (dd/mm/yyyy): 06/Dec/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK	CHL			
1	175	1334	2.677	Bot	166	X				X					X	X		
2	176	1336	2.580	150	150					X					X	X		
3	177	1346	2.598	125	125													
4	178	1344	2.707	100	100													
5	179	1350	2.944	75	75					X					X	X		
6	180	1351	3.526	50	50													
7	181	1352	5.116	30	30													
8	182	1353	5.467	20	20					X					X	X		
9	183	1130	5.826	10	10													
10	184	364	5.917	0	-0.06					X					X	X		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: 88
CHECKED BY:

Bottom Depth: 170

Cast # down: 58

Cast # up:

Time	LOC	UTC
Begin:		0813
Bottom:		0817
End:		0835

START POSITION (GPS)
LAT: 49°35.42
LONG: 124°38.29BOTTOM POSITION (GPS)
LAT: 49°35.35
LONG: 124°38.26END POSITION (GPS)
LAT: 49°35.165
LONG: 124°37.95

ROSETTE LOG

MISSION ID: 2003-41 STATION: 6 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 06/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Doc				
							OXY			ALK		CHL		Doc				
1	185	535	2.597	bottom	192	x				x				x	x			
2	186	572	2.650	175	175													
3	187	657	2.779	150	150					x				x	x			
4	188	708	2.776	125	125													
5	189	1135	2.719	100	102													
6	190	1176	3.026	75	75					x				x	x			
7	191	1136	4.300	50	50													
8	192	1137	5.247	30	30	Did not fire.												
9	193	1138	5.706	20	20					x				x	x			
10	194	1142	5.800	10	10													
11	195	1146	5.802	0	-0.2					x				x	x			
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: Vector
 ENTERED BY: SP
 CHECKED BY: _____

Bottom Depth: 190

Cast # down: 61

Cast # up: _____

Time	LOC	UTC
Begin:		1126
Bottom:		1130
End:		1145

START POSITION (GPS)
 LAT: 49°30.552
 LONG: 124°27.763

BOTTOM POSITION (GPS)
 LAT: 49°30.552
 LONG: 124°27.703

END POSITION (GPS)
 LAT: 49°30.401
 LONG: 124°27.875

ROSETTE LOG

MISSION ID: 2003-91 STATION: 3 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 6/12/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13			10L			
							OXY			ALK		CHL	nk					
1.	196	1287	2.348	BOT-5	✓					X					X	+		
2	197	1290	2.462	300	✓													
3	198	1291	2.831	250	✓													
4	199	1293	2.840	200	✓													
5	200	1294	2.997	175	✓													
6	201	1295	3.396	150	✓					X					X	+		
7	202	1298	3.647	125	✓													
8	203			100	✓													
9	204	1300	2.889	75	✓					X					X	+		
10	205	1301	3.365	50	✓													
11	206	1302	4.947	30	✓													
12	207	1303	5.365	20	✓					X					+	+		
13	208	1304	5.443	10	✓													
14	209	1305	6.157	0	✓					X					+	+		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: *[Signature]*

CHECKED BY: *[Signature]*

Bottom Depth: 326

Cast # down: 64

Cast # up: 64

Time	LOC	UTC
Begin:	13	51
Bottom:	13	58
End:	14	14

START POSITION (GPS)

LAT: 49 26 51

LONG: 124 20 12

BOTTOM POSITION (GPS)

LAT: 49 26 47

LONG: 124 20 14

END POSITION (GPS)

LAT: 49 26 34

LONG: 124 20 37

ROSETTE LOG

No DOC or TOC at this station

MISSION ID: 2003-41 STATION: 2 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 06/12/2003

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	210	1306	2.620	bottom	✓	276	↓	X		X				X	X			
2	211	1307	2.760	250	✓		↓											
3	212	1309	2.874	200	✓													
4	213	1310	3.084	175	✓													bubble on lens. wrong bottle flask #
5	214	1311	3.294	150	✓					X				X	X			
6	215	1313	3.588	125	✓													
7	216	1314	3.766	100	✓													
8	217	1315	3.697	75	✓					X				X	X			
9	218	1317	3.703	50	✓													
10	219	1318	3.791	30	✓													(put in wrong depth)
11	220	1319	5.428	20	✓					X				X	X			
12	221	1328	5.637	10	✓													
13	222	—		surface			↓	✓		X				X	X			- bottle didn't release
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: SI
CHECKED BY:Bottom Depth: 279Cast # down: 66

Cast # up:

Time	LOC	UTC
Begin:		1559
Bottom:		1605
End:		1619

START POSITION (GPS)
LAT: 49.24.13
LONG: 124.09.24BOTTOM POSITION (GPS)
LAT: 49.24.06
LONG: 124.09.15END POSITION (GPS)
LAT: 49.243.90
LONG: 124.0908.99

Comments: