

ROSETTE LOG

MISSION ID: 2004-37 STATION: SI CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 7/12/2004

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	1	1334	0.746	Bot	✓ 140										
2	2	657	0.220	100	✓ 100										
3	3	1235	3.237	75	✓ 75										
4	4	1451	4.862	51	✓ 1.5										
5		1351													
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

SHIP:
ENTERED BY: JK
CHECKED BY: JK

Bottom Depth: 110

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:	<u>134</u>	
Bottom:	<u>136</u>	
End:	<u>142</u>	

START POSITION (GPS)
LAT: 48 39 15
LONG: 123 29 55

BOTTOM POSITION (GPS)
LAT: 48 39 13
LONG: 123 29 33

END POSITION (GPS)
LAT: 48 39 10
LONG: 123 29 50

Comments: Oxy Blank 0.003 Dec 6/04 Standard 0.724 See note in logbook.

ROSETTE LOG

MISSION ID: 2004-37 STATION: 59 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 7/12/2004

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	5	1176	3.522	Bot	✓	✓										2ml acid
2	6	1135	3.672	200	✓	✓										- changed flask ✓OK
3	7	1351	3.774	175	✓											
4	8	1153	4.107	150	✓											
5	9	1449	4.055	125	✓											
6	10	1448	4.272	100	✓											
7	11	1450	4.021	75	✓											
8	12	1350	4.727	50	✓											
9	13	1445	4.782	40	✓											
10	14	1453	4.790	30	✓											
11	15	1353	4.868	20	✓											
12	16	1336	4.827	10	✓											
13	17	1389	4.816	5	✓							✓✓				
14	18	1391	4.878	Surf	✓							✓✓				
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 238

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		351
Bottom:		357
End:		411

START POSITION (GPS)
LAT: 48 37 752
LONG: 123 14 438

BOTTOM POSITION (GPS)
LAT: 48 37 73
LONG: 123 14 413

END POSITION (GPS)
LAT: 48 37 656
LONG: 123 14 212

ROSETTE LOG

MISSION ID: 2004-37 STATION: 102 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 07/12/2004

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	19	1137	2.049	Bottom	✓	247	✓											
2	20	364	2.284	250	✓	247	✓											-2ml acid - not all chem in
3	21	572	2.083	200	✓													bubble on probe
4	22	1352	2.330	175	✓													-2ml acid
5	23	1452	2.749	150	✓													
6	24	1344	3.004	125	✓													-2ml acid
7	25	1444	3.370	100	✓													
8	26	1454	3.616	75	✓													
9	27	1447	4.588	50	✓													
10	28	535	5.289	40	✓													
11	29	1158	6.119	30	✓													
12	30	708	6.221	20	✓													
13	31	1130	6.233	10	✓													
14	32	1442	6.235	5	✓													
15	33	1443	6.375	surf	✓													
16																		
17																		
18																		
19																		
20																		
21																		#3
22																		oxy not pickled properly
23																		
24																		

SHIP: Vector
ENTERED BY: JH
CHECKED BY: JH

Bottom Depth: 247

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:	15 23	
Bottom:	15 31	
End:	15 50	

START POSITION (GPS)
LAT: 48 30 077
LONG: 124 43 910

BOTTOM POSITION (GPS)
LAT: 48 30 174
LONG: 124 43 78

END POSITION (GPS)
LAT: 48 30 307
LONG: 124 43 483

Comments: Bot 6 did not close properly

ROSETTE LOG

MISSION ID: 2004-37 STATION: 75 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 7/12/2004

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	34	1136	2.040	Bot	✓	221	✓											
2	35	1302	2.044	200	✓		✓											
3	36	1400	2.188	175	✓													
4	37	1397	2.480	150	✓													
5	38	1433	2.950	125	✓													
6	39	1432	3.092	100	✓													
7	40	1398	3.771	75	✓													
8	41	1434	4.167	50	✓													
9	42	1206	4.115	40	✓													
10	43	1410	4.369	30	✓													
11	44	1212	5.078	20	✓													
12	45	1399	5.948	10	✓													
13	46	1393	6.072	5	✓							✓✓						
14	47	1270	5.885	Surf	✓							✓✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 225

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1803
Bottom:		1811
End:		1824

START POSITION (GPS)
LAT: 48 28 147
LONG: 124 32 797

BOTTOM POSITION (GPS)
LAT: 48 28 064
LONG: 124 32 616

END POSITION (GPS)
LAT: 48 27 977
LONG: 124 32 38

ROSETTE LOG

MISSION ID: 2004-37 STATION: 72 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
						OXY				ALK		CHL						
1	48	1231	2.121	80T	✓	184	✓											OXY wrong depth Flask 1430 Repl = 2.268210
2	49	1480	2.058	175	✓		✓											(#9948) wrong sample #'s
3	50	1406	2.059	150	✓													need to Δ OK done
4	51	1459	2.277	125	✓													9953 sample Rep
5	52	1403	2.617	100	✓													Flask 1138 3.302
6	53	1477	3.300	75	✓													
7	54	1411	3.778	50	✓													
8	55	1175	4.296	40	✓													9956 Rep sample Flask 1456 4.930
9	56	1482	4.867	30	✓													
10	57	1478	5.665	20	✓													Flask 1384 Sample 51
11	58	1479	6.111	10	✓													2.288
12	59	1417	5.987	5														W
13	60	1404	5.973	Surf.														W
14																		Sample 59 Flask 1457 = 6.008
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: GT
CHECKED BY:

Bottom Depth: 186

Cast # down: 12
Cast # up:

Time	LOC	UTC
Begin:		2234
Bottom:		2240
End:		22

START POSITION (GPS)
LAT: 48° 18.67
LONG: 124° 04.10

BOTTOM POSITION (GPS)
LAT: 48° 18.70
LONG: 124° 04.28

END POSITION (GPS)
LAT: 48° 18.
LONG: 124° 04.

Comments: Did a couple of reps of oxygen sampler with old computer Windows 95 to see log book see if any difference with XP. It will have to run with proper standard values.

ROSETTE LOG

MISSION ID: 2004-37 STATION: 69 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 7/12/04

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	61	1389	2.175	80T	✓	170	✓											
2	62	1451	2.199	150	✓		✓											
3	63	1452	2.236	125	✓													
4	64	1391	2.727	100	✓													
5	65	1448	2.968	75	✓													
6	66	1446	3.334	50	✓													
7	67	1449	3.589	40	✓													
8	68	1445	4.308	30	✓													
9	69	1176	4.443	20	✓													
10	70	1353	4.595	10	✓													
11	71	1135	4.865	5	✓							✓						
12	72	1153	4.665	surf	✓							✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: *4*
CHECKED BY:

Bottom Depth:

Cast # down: 15
Cast # up: 15

Time	LOC	UTC
Begin:	211	
Bottom:	216	
End:	229	

START POSITION (GPS)
LAT: 4 8 15 625
LONG: 123 43 388

BOTTOM POSITION (GPS)
LAT: 4 8 15 572
LONG: 123 43 438

END POSITION (GPS)
LAT: 4 8 15 484
LONG: 123 43 283

Comments:

ROSETTE LOG

MISSION ID: 2004-37 STATION: ADCP CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 8/12/2004

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	73	1450	3.185	BOT	✓ 78											2 ml total
2	74	1235	3.244	75	✓											
3	75	1137	3.759	50	✓											
4	76	657	4.139	40	✓											
5	77	1453	4.495	30	✓											
6	78	1350	4.686	20	✓											
7	79	1334	4.713	10	✓											
8	80	1251	4.840	5	✓											
9	81	364	4.781	surf	✓											
10																
11																
12																
13																
14																
15																
16																
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20																
21																
22																
23																
24																

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 80

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		612
Bottom:		616
End:		622

START POSITION (GPS)
LAT: 48 13 778
LONG: 123 16 502

BOTTOM POSITION (GPS)
LAT: 48 13 830
LONG: 123 16 484

END POSITION (GPS)
LAT: 48 13 854
LONG: 123 16 358

Comments:

ROSETTE LOG

MISSION ID: 2004-37 STATION: 56 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 8/12/04

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	82	1130	3.854	BAT	✓	210	x											2 ml acid
2	83	1443	3.771	200	✓		x											
3	84	1442	3.743	175	✓													
4	85	1136	3.838	150	✓													2 ml acid
5	86	1302	4.117	125	✓													2 ml acid
6	87	1400	4.255	100	✓													
7	88	1397	4.491	75	✓													
8	89	1433	4.672	50	✓													2 ml acid
9	90	1432	4.589	30	✓													2 ml acid
10	91	1398	4.831	30	✓													
11	92	1434	4.441	20	✓													
12	93	1206	4.578	10	✓													
13	94	1410	4.728	5	✓								xx					
14	95	1212	4.707	5m/s	✓								xx					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: 21
CHECKED BY: 1

Bottom Depth: 210

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:	13	43
Bottom:	13	50
End:	14	07

START POSITION (GPS)
LAT: 48 46 369
LONG: 123 1 547

BOTTOM POSITION (GPS)
LAT: 48 46 391
LONG: 123 1 476

END POSITION (GPS)
LAT: 48 46 434
LONG: 123 1 300

Comments: depth 40 meter fixed BOT 9
BOT 9 & 10 fixed at 30

ROSETTE LOG

MISSION ID: 2004-37 STATION: 46 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 12/08/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
1	96	1399	4.030	80T	✓ 175	✓												
2	97	1393	4.277	150	✓	✓												
3	98	1270	4.128	125	✓													
4	99	1371	4.301	100	✓													
5	100	1331	4.778	75	✓													
6	101	1473	4.364	50	✓													
7	102	1317	3.984	40	✓													
8	103	1306	3.696	30	✓													
9	104	1378	3.574	20	✓													
10	105	1382	4.864	10	✓													
11	106	1375	5.149	5	✓							✓✓						
12	107	1384	5.270	50T	✓							✓✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: JT

CHECKED BY:

Bottom Depth: 178

Cast # down: 32

Cast # up:

TimeLOCUTC

Begin:2202

Bottom:2209

End:

START POSITION (GPS)

LAT: 48°51.31

LONG: 123°10.80

BOTTOM POSITION (GPS)

LAT: 48°51.31

LONG: 123°10.72

END POSITION (GPS)

LAT: 48 51 280

LONG: 123 10 524

ROSETTE LOG

MISSION ID: 2004-37 STATION: 42 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 9/12/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3				
							OXY			ALK		CHL				
1	108	1400	3.019	6-5	✓ 310	XX		XX								
2	109	1404	2.864	300	✓	X										
3	110	1406	2.905	250	✓	X										
4	111	1410	2.993	200	✓											
5	112	1411	2.988	175	✓											
6	113	1417	3.083	150	✓											2 samples used 113" for this sample
7	114	1421	3.354	125	✓											up to the "000" end
8	115	1422	3.629	100	✓											
9	116	1424	4.223	75	✓											
10	117	1425	4.065	50	✓											
11	118	1426	3.881	40	✓											
12	119	1427	4.034	30	✓											
13	120	1431	4.069	20	✓											
14	121	1432	5.996	10	✓											
15	122	1433	6.479	5	✓							XX				
16	123	1434	6.238	Surf.	✓							XX				
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: VECTOR
ENTERED BY: *TL*
CHECKED BY: *TL*

Bottom Depth: 30

Cast # down: 34
Cast # up: 34

Time	LOC	UTC
Begin:	0:56	
Bottom:	1:04	
End:		

START POSITION (GPS)
LAT: 49 1 772
LONG: 123 26 096

BOTTOM POSITION (GPS)
LAT: 49 1 728
LONG: 123 26 038

END POSITION (GPS)
LAT: 49 1 724
LONG: 123 26 030

ROSETTE LOG

MISSION ID: 2004-37

STATION: 39

CAST NUMBER: 39

UTC DATE (dd/mm/yyyy):

9/12/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
1	124	1302	2.628	807-5	✓ 373	✓													
2	125	1319	2.613	350	✓	✓													
3	126	1336	2.784	300	✓														
4	127	1352	2.819	250	✓														
5	128	1353	2.909	200	✓														
6	129	1391	3.227	175	✓														
7	130	1397	3.216	150	✓														
8	131	1398	3.634	125	✓														
9	132	1351	3.169	100	✓														
10	133	1350	3.495	75	✓														
11	134	1130	3.355	50	✓														
12	135	1136	3.738	40	✓														
13	136			30	✓														
14	137	1389	4.951	20	✓														
15	138	1334	5.891	16	✓														
16	139	1344	5.952	5	✓														
17	140	1457	6.246	2000	✓														
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 375

Cast # down:

Cast # up:

Time LOC UTC

Begin: 5:17

Bottom: 5:26

End: 5:40

START POSITION (GPS)

LAT: 49 9.839

LONG: 123 33.079

BOTTOM POSITION (GPS)

LAT: 49 9.824

LONG: 123 33.012

END POSITION (GPS)

LAT: 49 9.797

LONG: 123 33.067

Comments: Note: Chlorophyll samples labeled # 122 and 123. Dec 20/04 M19

ROSETTE LOG

MISSION ID: 2004-37 STATION: 27 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 9/12/04

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	141	1400	2.706	807	✓ 3.40	✓												
2	142	1404	2.738	360	✓	✓												
3	143	1406	2.865	250	✓													
4	144	1410	2.930	200	✓													
5	145	1411	3.063	175	✓													
6	146	1417	3.234	150	✓													
7	147	1421	3.165	125	✓													
8	148	1422	3.507	100	✓													
9	149	1424	3.436	75	✓													
10	150	1425	3.055	50	✓													
11	151	1426	3.404	40	✓													
12	152	1427	3.870	30	✓													
13	153	1431	4.985	20	✓													
14	154	1432	5.878	10	✓													
15	155	1433	6.219	5	✓								✓					
16	156	1434	6.280	surf	✓								✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: B

CHECKED BY:

Bottom Depth: 345

Cast # down:

Cast # up:

TimeLOCUTC

Begin:842

Bottom:8152

End:

START POSITION (GPS)

LAT:4919110

LONG:12347.96

BOTTOM POSITION (GPS)

LAT:4919068

LONG:1234796

END POSITION (GPS)

LAT:491895

LONG:1234796

ROSETTE LOG

MISSION ID: 2004-37 STATION: 2 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 09/12/2004

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	157	1399	2.792	6-5	✓ 275	x		xx										2 ml acid
2	158	1393	2.653	250	✓	x												
3	159	1270	2.719	200	✓													
4	160	1370	2.846	175	✓													
5	161	1331	3.329	150	✓													
6	162	1473	3.203	125	✓													bubble on probe finished
7	163	1317	3.414	100	✓													
8	164	1306	3.307	75	✓													
9	165	1378	3.183	50	✓													
10	166	1382	3.670	40	✓													
11	167	1375	4.143	30	✓													
12	168	1384	4.991	20	✓													
13	169	1302	6.303	10	✓													
14	170	1319	6.417	5	✓							xx						
15	171	1336	6.348	1	✓							xx						copepod in sample
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 277

Cast # down: 44
Cast # up:

Time	LOC	UTC
Begin:		1144
Bottom:		1152
End:		

START POSITION (GPS)
LAT: 49°24'08"
LONG: 124°09'30"

BOTTOM POSITION (GPS)
LAT: 49°24'07"
LONG: 124°09'31"

END POSITION (GPS)
LAT: 49°24'06.8"
LONG: 124°2'12.6"

Comments: - all oxy sample need 2 ml acid to dissolve.

ROSETTE LOG

MISSION ID: 2004-37 STATION: 3 CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 9/12/04

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	172	364	2.645	DOT	✓ 317	✓												
2	173	535	2.623	300	✓	✓												
3	174	572	2.879	250	✓	✓												
4	175	657	2.804	200	✓													
5	176	708	2.985	175	✓ 6													
6	177	1135	3.095	150	✓ 7													
7	178	1137	3.291	125	✓ 8													
8	179	1138	3.239	100	✓ 9													
9	180	1153	3.106	75	✓ 10													
10	181	1158	3.585	50	✓ 11													
11	182	1175	4.497	40	✓ 12													
12	183	1176	5.229	30	✓ 13													
13	184	1195	5.570	20	✓ 14													
14	9185	1231	5.759	10	✓ 15													
15	186	1212	6.032	5	✓ 16													
16	187	1228	6.107	Surf	17													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vectors
ENTERED BY: [Signature]
CHECKED BY: [Signature]

Bottom Depth: 317

Cast # down: 47

Cast # up: 47

Time	LOC	UTC
Begin:	1415	
Bottom:	1423	
End:	1441	

START POSITION (GPS)
LAT: 49 26 600
LONG: 124 20 166

BOTTOM POSITION (GPS)
LAT: 49 26 607
LONG: 124 20 119

END POSITION (GPS)
LAT: 49 26 602
LONG: 124 20 006

Comments: Sample #9185 to 185 - had to change flasks - redo titration
Letters 415 - fixed at 200 so 41 BOTTLE # GO TO 17
colorimeter wanders to 106.4% trans. in beginning

ROSETTE LOG

MISSION ID: 2604-37 STATION: 6 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 9/12/2004

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	188	1352	2.993	00T	✓ 1.89	x												
2	189	1353	2.903	175	✓	x												
3	190	1391	2.962	150	✓													
4	191	1397	3.138	125	✓													
5	192	1398	3.064	100	✓													
6	193	1351	2.949	75	✓													
7	194	1350	3.537	50	✓													
8	195	1130	4.846	40	✓													
9	196	1136	5.195	30	✓													
10	197	1354	5.278	20	✓													
11	198	1389	5.862	10	✓													
12	199	1334	5.927	5	✓							xx						
13	200	1344	6.030	Surf	✓			↓	↓			xx						
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: DM. J. L.
CHECKED BY:

Bottom Depth: 191

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		16:12
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 30.509
LONG: 124 27.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-37 STATION: 9 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 09/12/04

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	201	1400	2.689	805	✓	165	✓											
2	202	1404	2.601	150	✓		✓											
3	203	1406	2.726	125	✓													
4	204	1410	2.725	100	✓													
5	205	1411	3.028	75	✓													
6	206	1417	3.468	50	✓													
7	207	1421	4.346	40	✓													
8	208	1422	5.286	30	✓													
9	209	1424	6.079	20	✓													
10	210	1425	6.167	10	✓													
11	211	1426	6.129	5	✓													
12	212	1427	6.100	surf	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 167

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 19:12

Bottom: 19:16

End: 19:23

START POSITION (GPS)

LAT: 49 35.454

LONG: 124 38.203

BOTTOM POSITION (GPS)

LAT: 49 35.437

LONG: 124 38.153

END POSITION (GPS)

LAT: 49 35.37

LONG: 124 37.99

ROSETTE LOG

MISSION ID: 2004-37 STATION: 12 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 09/12/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	213	1399	2.607	Bot	✓ 350	✓												
2	214	1393	2.602	350	✓	✓												
3	215	1270	2.531	300	✓													
4	216	1371	2.701	250	✓													
5	217	1331	3.042	200	✓													
6	218	1473	2.905	175	✓													
7	219	1302	3.086	150	✓													
8	220	1319	3.086	125	✓													
9	221	1336	2.645	100	✓													
10	222	1382	3.038	75	✓													
11	223	1375	5.887	50	✓													
12	224	1384	5.981	40	✓													
13	225	1317	8.893	30	✓													-sample not full!!
14	226	1306	6.099	20	✓													
15	227	1378	5.997	10	✓													
16	228	1457	6.425	5	✓							✓✓						
17	229	1446	6.532	surf	✓			✓	✓✓			✓✓						
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:		2125
Bottom:		2134
End:		2150

START POSITION (GPS)
LAT: 49° 43' 55"
LONG: 124° 40' 80"

BOTTOM POSITION (GPS)
LAT: 49° 43' 52"
LONG: 124° 40' 88"

END POSITION (GPS)
LAT: 49° 43' 46"
LONG: 124° 40' 41.003"

ROSETTE LOG

MISSION ID: 2004-37 STATION: 14 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 10/12/2004

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	230	1400	2.615	6-5	✓	312	X		XX									
2	231	1404	2.601	300	✓		X											
3	232	1406	2.650	250	✓													
4	233	1410	2.765	200	✓													
5	234	1411	2.696	175	✓													
6	235	1417	2.593	150	✓													
7	236	1421	2.529	125	✓													
8	237	1422	3.036	100	✓													
9	238	1424	3.802	75	✓													
10	239	1425	4.643	50	✓													
11	240	1426	5.029	40	✓													
12	241	1427	5.137	30	✓													
13	242	1431	5.525	20	✓													
14	243	1432	5.664	10	✓													
15	244	1433	5.706	5	✓							XX						
16	245	1434	5.762	Surf	✓			✓	✓			XX						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: JH
CHECKED BY:

Bottom Depth: 312

Cast # down: 57
Cast # up: 57

Time	LOC	UTC
Begin:	00 22	
Bottom:	00 30	
End:	00 41	

START POSITION (GPS)
LAT: 49 53 029
LONG: 124 59 496

BOTTOM POSITION (GPS)
LAT: 49 53 084
LONG: 124 59 357

END POSITION (GPS)
LAT: 49 53 222
LONG: 124 59 317

ROSETTE LOG

MISSION ID: 2604-37 STATION: 16 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 10/12/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	246	1442	2.696	BOT	✓ 140	✓												
2	247	1443	2.587	125	✓	✓												
3	248	1444	2.570	100	✓													
4	249	1445	2.569	75	✓													
5	250	1447	4.090	50	✓													
6	251	1448	4.109	40	✓													
7	252	1449	4.512	30	✓													
8	253	1450	4.444	20	✓													
9	254	1451	4.672	10	✓													
10	255	1453	4.815	5	✓													
11	256	1452	4.806	surf	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: 7

CHECKED BY:

Bottom Depth: 145

Cast # down: 59

Cast # up: 59

Time

LOC

UTC

Begin: 222

Bottom: 226

End: 232

START POSITION (GPS)

LAT: 49 57 730

LONG: 125 8 821

BOTTOM POSITION (GPS)

LAT: 49 57 726

LONG: 125 8 809

END POSITION (GPS)

LAT: 49 57 713

LONG: 125 8 768

ROSETTE LOG

MISSION ID: 2004-37 STATION: 23 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 10/12/2004

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	257	1399	4.432	Bot	✓ 231	✓										
2	258	1393	4.435	200	✓	✓										
3	259	1270	4.341	175	✓											
4	260	1371	4.434	150	✓											
5	261	1331	4.850	125	✓											
6	262	1473	4.437	100	✓											
7	263	1302	4.385	75	✓											
8	264	1319	4.560	50	✓											
9	265	1336	4.388	40	✓											
10	266	1382	4.267	30	✓											
11	267	1375	4.494	20	✓											
12	268	1384	4.396	10	✓											
13	269	1317	4.415	5	✓							✓✓				
14	270	1306	4.431	Surf	✓							✓✓				
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Vector

ENTERED BY: DM

CHECKED BY:

Bottom Depth: 237

Cast # down: 61

Cast # up:

Time	LOC	UTC
Begin:		0445
Bottom:		
End:		

START POSITION (GPS)

LAT: 50° 14.97

LONG: 125° 23 026

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG: