

ROSETTE LOG

MISSION ID: 2003-39 STATION: Fox 1 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 24/10/2003

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	1	1322	5.293	bot -5	✓ 150		✓	✓										
2	2	1323	4.872	100	100		✓	✓										
3	3	1329	5.164	75	75		✓	✓										
4	4	1332	5.507	50	50		✓	✓										
5	5	1333	5.447	30	30		✓	✓										
6	6	1347	5.423	20	20		✓	✓										
7	7	1345	5.461	10	10		✓	✓										
8	8	1346	—	0	1													Bottle was empty (tripped in air)
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Surface bottle empty - no samples

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 155

Cast # down: 2

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:	2113	

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51° 04' 138

LONG: 127° 41' 38

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003 39 STATION: SEQ3 CAST NUMBER: 004 UTC DATE (dd/mm/yyyy): 24/10/2003

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	9	1346	2.620	440	✓	X												
2	10	1342	2.794	400	✓	X												
3	11	1341	2.757	300	✓													
4	12	1338	2.884	250	✓													
5	13	1348	2.875	200	✓													
6	14	1337	2.966	175	✓													
7	15	1335	3.137	150	✓													
8	16	1110	3.715	125	✓													
9	17	727	3.957	100	✓													
10	18	1105	3.971	75	✓													
11	19	709	4.145	50	✓													
12	20	1126	4.243	30	✓													
13	21	707	4.371	20	✓													
14	22	715	4.696	10	✓													
15	23			1.0	✓													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 445

Cast # down: 4
Cast # up:

Time	LOC	UTC
Begin:		<u>0009</u>
Bottom:		<u>0022</u>
End:		

START POSITION (GPS)
LAT: 51° 02' 87
LONG: 127° 15' 69

BOTTOM POSITION (GPS)
LAT: 51° 02' 88
LONG: 127° 15' 69

END POSITION (GPS)
LAT: 51° 02' 85
LONG: 127° 15' 65

ROSETTE LOG

MISSION ID: 2003-39 STATION: SE05 CAST NUMBER: 006. UTC DATE (dd/mm/yyyy): 25/10/2003

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	24	1356	2.960	600	✓ 610													debris in oxygen
2	25	1349	2.911	500	✓ 500													sample (cleared up)
3	26	1216	2.954	400	✓ 400													with acid
4	27	1223	2.975	300	✓ 300													
5	28	1224	2.739	250	250													480
6	29	1225	2.730	200	200													.480 + 0.016 = (.496)
7	30	1356	2.890	175	175													1*
8	31	1358	2.826	150	150													put in wrong sample #
9	32	1361	3.420	125	125													" ← + depth (put in 24)
10	33	1362	3.882	100	100													
11	34	1363	3.693	75	75													bubbles on lens
12	35	1364	4.267	50	50													ugly end pt - no
13	36	1365	4.181	30	30													ugly curve explanation
14	37	1366	4.205	20	20													I etc.
15	38	1367	4.538	10	10													
16	39	1368	6.620	0	1													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * The inside of the colourimeter tube was filthy - cleaned it - 55.

SHIP: Vector.
ENTERED BY:
CHECKED BY:

Bottom Depth: 613

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0320
Bottom:		0331
End:		0356

START POSITION (GPS)
LAT: 51 04.296
LONG: 127 0.697

BOTTOM POSITION (GPS)
LAT: 51 04.314
LONG: 127 0.679

END POSITION (GPS)
LAT: 51 04.33
LONG: 127 00.64

ROSETTE LOG

MISSION ID: 2003-39 STATION: SE07 CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): 25/OCT/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	40	1360	2.769	270	✓													lots of undissolved bits
2	41	1369	2.651	250	✓													seemed to titrate ok
3	42	1371	2.608	200	✓													
4	43	1373	2.610	175	✓													
5	44	1374	2.659	150	✓													
6	45			125	✓													didn't trip - bottom
7	46	1378	3.170	100	✓													got caught up -
8	47	1379	3.299	75	✓													
9	48			50	✓													*not tripped*
10	49	1380	4.194	30	✓													weird curve -
11	50	1381	4.184	20	✓													
12	51	1382	4.316	10	✓													
13	52	1383	6.112	0	✓			✓	✓									not fixed? only 12 bottles fixed.
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: There was no bottle tripped at 50 m - (labelled # 46, 45 by mistake in oxy computer &c)

SHIP:
ENTERED BY: AD
CHECKED BY:

Bottom Depth: 275

Cast # down: 8
Cast # up:

Time	LOC	UTC
Begin:		619
Bottom:		
End:		

START POSITION (GPS)
LAT: 51°06'00.7
LONG: 126°45.001

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: SZ08 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 25/10/2003

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	33	1356	2.531	104	✓													
2	54	1358	3.078	75	✓													
3	35	1361	3.824	50	✓													
4	56	1362	4.095	30	✓													
5	57	1363	4.184	20	✓													
6	58	1364	4.444	10	✓													
7	59			0	✓													not used
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: AD

CHECKED BY:

Bottom Depth: 135

Cast # down: 10

Cast # up:

Time	LOC	UTC
Begin:		0927
Bottom:		
End:		

START POSITION (GPS)

LAT: 51.10.98

LONG: 126.39.50

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: FRS3 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 25/10/2003

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	60	1322	2.337	63	X													weird curve - re-zeroed
2	61	1323	2.860	50	X													" colourimeter
3	62	1329	3.625	30	X													- better curve
4	63	1332	4.034	20	X													
5	64	1333	4.395	10	X													
6	65	1335	5.738	0	X													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: AD

CHECKED BY:

Bottom Depth: 63

Cast # down: 011

Cast # up:

Time	LOC	UTC
Begin:		2235
Bottom:		
End:		

START POSITION (GPS)

LAT: 50° 59.91

LONG: 126° 43 66

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: FRS2 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 26/10/2003

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	66	1337	0.0018	211	✓													anoxic - won't titrate
2	67	1338	0.0018	175	✓													" - "
3	68	1341	0.468*	150	✓													- anoxic - long time to
4	69	1342	0.027	125	✓													titrate -
5	70	1345	0.052	100	✓													* as above (questionable value)
6	71	1346	0.114	75	✓													
7	72	1347	0.705	50	✓													
8	73	1348	3.328	30	✓													
9	74	1105	4.047	20	✓													
10	75	1110	4.191	10	✓													
11	76	1126	4.647	0	✓													
12																		
13	99	1128	2.246+	+														Sample with no label
14																		0.645 + 0.414 ??
15																		computer glitch
16																		an extra -
17																		sample from ?
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: First 5 samples - very anoxic - Winler had a difficult time finding a proper endpt - very questionable values - (ST)

SHIP: Vector
ENTERED BY: AD
CHECKED BY:

Bottom Depth: 214

Cast # down: 012

Cast # up:

Time	LOC	UTC
Begin:		2304
Bottom:		2311
End:		2326

START POSITION (GPS)
LAT: 51.00.53
LONG: 126.42.22

BOTTOM POSITION (GPS)
LAT: 51.00.55
LONG: 126.42.15

END POSITION (GPS)
LAT: 51.00.53
LONG: 126.42.15

ROSETTE LOG

MISSION ID: 2003-39 STATION: FPS-1 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 254 26 / 10 / 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	77	1134	0.028	235	X													anoxic
2	78	707	0.064	200	X													"
3	79	709	0.064	175	X													"
4	80	715	0.028	150	X													"
5	81	727	0.064	125	X													
6	82	1349	0.083	100	X													
7	83	1216	0.452	75	X													
8	84	1223	3.256	50	X													*aborted - had to clean
9	85	1224	4.094	30	X													colorimeter - 0.533+
10	86	1225	4.329	20	X													2(0.583) 0.950
11	87	1320	4.856	10	X													= Sod-Thio (wouldn't titrate)
12	88	1321	5.739	0	X													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 215

Cast # down: 013
Cast # up:

Time	LOC	UTC
Begin:		2356
Bottom:		0002
End:		0016

START POSITION (GPS)
LAT: 51° 02' 27"
LONG: 126° 42' 98"

BOTTOM POSITION (GPS)
LAT: 51° 02' 28"
LONG: 126° 42' 98"

END POSITION (GPS)
LAT: 51° 02' 29"
LONG: 126° 43' 00"

ROSETTE LOG

MISSION ID: 2003-39 STATION: FRS0 CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 26/10/2003

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	89	1365	0.677	157	X													anoxic
2	90	1366	0.042	125	X													"
3	91	1367	0.088	100	X													
4	92	1368	0.682	75	X													
5	93	1360	3.292	50	X													
6	94	1369	4.200	30	X													
7	95	1371	4.374	20														
8	96	1373	4.647	10														
9	97	1374	6.533	0														
10																		
11	99	1128		1														sample with no label
12																		1625
13																		computer glitch
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Oxy analysis went very well - everything behaving!

SHIP: Hecta

ENTERED BY: AD

CHECKED BY:

Bottom Depth: 157

Cast # down: 014

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT: 51°3.834

LONG: 126°44.552

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: BEO5 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 26/10/2003

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	98	1322	3.221	275	✓ 294	✓												post 100% recalc = 3.056
2	99	1323	3.067	250	✓	✓												
3	100	1329	3.151	200	✓													
4	101	1332	3.180	175	✓													
5	102	1335	3.197	150	✓													
6	103	1337	3.166	125	✓													
7	104	1338	2.890	100	✓													
8	105	1341	2.367	75	✓													
9	106	1342	2.659	50	✓													
10	107	1345	4.007	30	✓													
11	108	1346	4.544	20	✓													
12	109	1337	4.201	10	✓													(a little low)
13	110	1347	5.532	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector-
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 296

Cast # down: 15
Cast # up:

Time	LOC	UTC
Begin:		1607
Bottom:		1618
End:		1634

START POSITION (GPS)
LAT: 51° 7.158'
LONG: 126° 8.896

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: ALS3 CAST NUMBER: 016 UTC DATE (dd/mm/yyyy): 27/08/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	111	727	0	135	135													anoxic
2	112	1349	0	125	125													anoxic
3	113	1216	0	100	100													"
4	114	1223	0	75	75													"
5	115	1224	0	50	(60)													(put 50m depth in computer)
6	116	1225	2.111	30	30													
7	117	1320	2.460	20	20													
8	118	1321	3.396	10	10													
9	999	1368	4.973	0	0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: VECTOR
 ENTERED BY: _____
 CHECKED BY: _____

Bottom Depth: 133

Cast # down: _____
 Cast # up: _____

Time	LOC	UTC
Begin:		<u>0038</u>
Bottom:		<u>0042</u>
End:		<u>—</u>

START POSITION (GPS)
 LAT: 51 10.002
 LONG: 126 56.790

BOTTOM POSITION (GPS)
 LAT: 51 10.000
 LONG: 126 56.790

END POSITION (GPS)
 LAT: —
 LONG: —

ROSETTE LOG

MISSION ID: 2003-39 STATION: A1S2 CAST NUMBER: 017 UTC DATE (dd/mm/yyyy): 27/10/2003

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	119	1367	1.304	135	✓ 103													} replicates - everything already labelled for 135m.
2	120	1361	1.333	125	✓ 103													
3	121	1363	1.331	100	✓ 103													
4	122	1362	2.603	75	✓													
5	123	1365	3.188	50	✓													
6	124	1358	3.071	30	✓													
7	125	1364	3.252	20	✓													
8	126	1365	3.741	10	✓													
9	127	1322	7.915	0	✓ 147			✓	✓									
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: 105

Cast # down: 17

Cast # up:

Time	LOC	UTC
Begin:		0134
Bottom:		0137
End:		0144

START POSITION (GPS)

LAT: 51° 10.145

LONG: 127° 02.420

BOTTOM POSITION (GPS)

LAT: 51° 10.14

LONG: 127° 02.45

END POSITION (GPS)

LAT: 51° 10.15

LONG: 127° 02.44

ROSETTE LOG

MISSION ID:

STATION:

CAST NUMBER:

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		C13						
							OXY			ALK		CHL						Sheila's notes to self
1	128	1366	1.589	150	X													(in last file AS2)
2	129	727	1.518	125	X													ugly curve
3	130	1349	1.486	100	X													put in flask # 1316
4	131	1216	2.179	75	X													not 1216
5	132	1223	3.243	50	X													
6	133	1224	3.430	30	X													
7	134	1225	3.541	20	X													
8	135	1320	4.026	10	X													
9	136	1321	7.782	0	X													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 153

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0255
Bottom:		0300
End:		0308

START POSITION (GPS)

LAT: 51° 10.152

LONG: 127° 06.05

BOTTOM POSITION (GPS)

LAT: 51° 10.15

LONG: 127° 06.04

END POSITION (GPS)

LAT: 51° 10.14

LONG: 127° 06.02

ROSETTE LOG

MISSION ID: 2003-39 STATION: MES1 CAST NUMBER: 020 UTC DATE (dd/mm/yyyy): 27/10/2003

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	137	1368	3.261	82	X													
2	138	1360	3.025	50	X													
3	139	1369	3.621	30	X													
4	140	1371	4.450	20	X													
5	141	1373	4.707	10	X													
6	142	1374	6.214	0	X													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Nida
ENTERED BY: X. Delunio
CHECKED BY:

Bottom Depth: 82m

Cast # down: 020
Cast # up:

Time	LOC	UTC
Begin:	<u>2017</u>	
Bottom:	<u>2018</u>	
End:	<u>2024</u>	

START POSITION (GPS)
LAT: 51° 8.845
LONG: 127° 24.744W

BOTTOM POSITION (GPS)
LAT: 51° 8.848
LONG: 127° 24.752

END POSITION (GPS)
LAT: 11
LONG: 11

ROSETTE LOG

MISSION ID: 2003-39 STATION: McS2 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 27/10/2003

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	143	1376	3.056	89	✓ 84													
2	144	1378	3.046	75	✓													
3	145	1379	2.889	50	✓													
4	146	1380	3.713	30	✓													
5	147	1381	4.297	20	✓													
6	148	1382	4.710	10	✓													
7	149	1383	5.896	0														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 90

Cast # down: 21
Cast # up:

Time	LOC	UTC
Begin:		2055
Bottom:		2057
End:		2103

START POSITION (GPS)
LAT: 51° 09.94
LONG: 127° 25.11

BOTTOM POSITION (GPS)
LAT: 51° 09.94
LONG: 127° 25.11

END POSITION (GPS)
LAT: 51° 09.92
LONG: 127° 25.09

Comments:

ROSETTE LOG

MISSION ID: 2003-39 STATION: Mes3 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 27/10/2003

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	150	1384	2.205	91	✓ 85	X												
2	151	1385	2.216	75	✓	X												
3	152	1386	2.294	50	✓													
4	153	1461	3.414	30	✓													
5	154	1481	4.220	20	✓													
6	155	1482	4.695	10	✓													
7	156	1365	6.870	0														
8																		
9																		
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: 96 90

Cast # down: 22
Cast # up:

Time	LOC	UTC
Begin:		2136
Bottom:		2138
End:		21445

START POSITION (GPS)
LAT: 51° 11.60
LONG: 127° 28' 4.72

BOTTOM POSITION (GPS)
LAT: 51° 11.59
LONG: 127° 24.71

END POSITION (GPS)
LAT: 51° 11.59
LONG: 127° 24.20

ROSETTE LOG

MISSION ID: 2003-39 STATION: YES4 CAST NUMBER: 023 UTC DATE (dd/mm/yyyy): 27/10/2003

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	157	1322	0.024	164	✓	163												anoxic -
2	158	1323	0.253	150	✓													
3	159	1329	0.621	125	✓													
4	160	1332	0.800	100	✓													
5	161	1335	1.165	75	✓													
6	162	1337	2.227	50	✓													
7	163	1338	2.689	30	✓	29												
8	164	1341	3.605	20	✓													
9	165	1342	4.440	10	✓													
10	166	1345	6.365	0	✓													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 166

Cast # down: 23
Cast # up:

Time	LOC	UTC
Begin:		2226
Bottom:		2230
End:		

START POSITION (GPS)
LAT: 51°11.83
LONG: 127°21.23

BOTTOM POSITION (GPS)
LAT: 51°11.84
LONG: 127°21.2315

END POSITION (GPS)
LAT: 51°11.83
LONG: 127°21.10

ROSETTE LOG

MISSION ID: 2003-39 STATION: NESS CAST NUMBER: 024 UTC DATE (dd/mm/yyyy): 27/10/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	167	1346	0.205	129	✓ 130													
2	168	1333	0.501	100	✓													
3	169	1347	0.657	75	✓													
4	170	1348	1.458	50	✓													
5	171	1105	2.565	30	✓													
6	172	1110	3.404	20	✓													
7	173	1126	4.009	10	✓													
8	174	1128	6.677	0	✓													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: Neckar
 ENTERED BY: S. Dallmann
 CHECKED BY: _____

Bottom Depth: 129

Cast # down: 023
 Cast # up: _____

Time	LOC	UTC
Begin:		2327
Bottom:		2330
End:		2337

START POSITION (GPS)
 LAT: 51°11.59
 LONG: 127°16.30

BOTTOM POSITION (GPS)
 LAT: 51°11.60
 LONG: 127°16.30

END POSITION (GPS)
 LAT: 51°11.62
 LONG: 127°16.29

ROSETTE LOG

MISSION ID: 2003-36 STATION: BEP3 CAST NUMBER: 025 UTC DATE (dd/mm/yyyy): 28/10/2003

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	175	1287	3.199	B-5	✓ 279	✓	1											over 100%
2	176	1290	3.142	250	✓ 250	✓												
3	177	1291	3.226	200	✓ 200													
4	178	1293	3.281	173	✓ 175													
5	179	1294	3.361	150	✓ 150													
6	180	1295	3.357	125	✓ 125													
7	181	1298	3.388	100	✓ 100													
8	182	1299	2.934	75	✓ 75													
9	183	1300	3.464	50	✓ 50													
10	184	1301	4.260	30	✓ 30													
11	185	1302	4.574	20	✓ 20													
12	186	1304	4.749	10	✓ 10													
13	187	1303	6.350	0	✓ 0													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 284

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0324
Bottom:		0333
End:		0348

START POSITION (GPS)

LAT: 51° 7.840'

LONG: 127° 22.206'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-36 STATION: B507 CAST NUMBER: 028 UTC DATE (dd/mm/yyyy): 28/10/2003

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	188	1305	3.315	286	✓ 254													
2	189	1306	2.968	250	✓													
3	190	1307	3.023	200	✓													
4	191	1309	2.908	175	✓													
5	192	1310	2.795	150	✓													
6	193	1311	2.465	125	✓													
7	194	1313	1.921	100	✓													
8	195	1314		75	✓													
9	196	1315	1.472	50	✓													
10	197	1328	3.547	30	✓													
11	198	1317	3.726	20	✓													
12	199	1318	3.991	10														
13	200	1319	5.809	0														
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 223 256

Cast # down: 028
Cast # up:

Time	LOC	UTC
Begin:		0703
Bottom:		0708
End:		

START POSITION (GPS)
LAT: 51° 06' 32"
LONG: 126° 55' 83"

BOTTOM POSITION (GPS)
LAT: 51° 06' 32"
LONG: 126° 55' 82"

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG 2003-39
MISSION ID: ~~NSP~~

MISSION ID:**STATION:****CAST NUMBER:**

UTC DATE (dd/mm/yyyy):

29/10/2003

[illegible]

SHIP: VEGOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 88

Cast # down:

Cast # up:

Time	LOC	UTC
------	-----	-----

Begin:

Bottom: 160°

End: 7615

पुस्तक

~~START POSITION (GPS)~~

LAT: 51 ~~51.6~~ 5.648

LONG: 127 29.998

END

~~BOTTOM~~ POSITION (GPS)

LAT: 51 5.620

LONG: 127 28.872

~~END~~ POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: N/S I CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 28/10/2003

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	208	1320	2.460	75	73														
2	209	1321	2.833	50	50														
3	210	1368	4.373	30	30														
4	211	1360	4.065	20	20														
5	212	1369	4.760	10	10														
6	213	1371	5.263	0	1														
7																			
8																			
9																			
10																			
11																			
12																			
13																			
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17																			
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22																			
23																			
24																			

Comments:

SHIP: Vector

ENTERED BY: SM/DS

CHECKED BY:

Bottom Depth: 75

Cast # down: 30

Cast # up:

Time	LOC	UTC
Begin:		1650
Bottom:		1653
End:		1660

START POSITION (GPS)

LAT: 51 5.426

LONG: 127 25.820

BOTTOM POSITION (GPS)

LAT: 51 5.426

LONG: 127 25.807

END POSITION (GPS)

LAT: 51 5.428

LONG: 127 25.789

ROSETTE LOG

MISSION ID: 2003-39 STATION: US2 CAST NUMBER: 031 UTC DATE (dd/mm/yyyy): 28/10/2003

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	214	1373	1.815	104	100		✓	✓										
2	215	1374	1.897	100	75		✓	✓										
3	216	1376	1.895	75	75		✓	✓										
4	217	1365	1.909	50	50		✓	✓										
5	218	1379	2.111	30	30		✓	✓										
6	219	1380	2.574	20	20		✓	✓										
7	220	1381	3.935	10	10		✓	✓										
8	221	1382	5.753	0	1		✓	✓										
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Bottom depth not greater than 100m - lot's of ship maneuvering and low altitude so took double bottle @ 75m

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 103

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1746

Bottom:1750

End:1757

START POSITION (GPS)

LAT: 51 05.38

LONG: 127 20.902

BOTTOM POSITION (GPS)

LAT: 51 05.392

LONG: 127 20.946

END POSITION (GPS)

LAT: 51 5.359

LONG: 127 20.976

ROSETTE LOG

MISSION ID: 2003-39 STATION: N153 CAST NUMBER: 037 UTC DATE (dd/mm/yyyy): 28/10/2003

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	222	1383	0.065	126	✓	123												
2	223	1384	0.238	100	✓	100												
3	224	1385	0.596	75	✓	75												
4	225	1386	1.771	50	✓	50												
5	226	1461	2.124	30	✓	30												
6	227	1481	2.516	20	✓	20												
7	228	1482	3.692	10	✓	10												
8	229	1335	5.893	0	✓	0.40												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 126

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1905
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Wire angle and station keeping problems. Depths gone crazy (SM)

ROSETTE LOG

MISSION ID: 2003-39

STATION: BE01

CAST NUMBER: 34

UTC DATE (dd/mm/yyyy):

29/10/2003

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	230	1366	3.489	8-5	✓	150												(over 100%) - little high
2	231	127	3.227	200	✓	150												
3	232	1349	3.178	175	✓	219												
4	233	1216	3.226	150	✓	175												
5	234	1223	3.243	125	✓	125												
6	235	1224	3.318	100	✓	100												
7	236	1225	3.366	75	✓	75												
8	237	1320	4.245	50	✓	50												
9	238	1321	4.632	30	✓	30												
10	239	1368	4.935	20	✓	20												
11	240	1360	4.936	10	✓	10												
12	241	1369	5.393	0	✓	0.50												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: SM/DS

CHECKED BY:

Bottom Depth: 221

Cast # down: 34

Cast # up:

Time LOC UTC

Begin: 1731 1856

Bottom: 1737

End: 1759

START POSITION (GPS)

LAT: 51°07.781

LONG: 127°34.3719

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2003-39 STATION: BE1 CAST NUMBER: 043 UTC DATE (dd/mm/yyyy): 29/10/03

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	242	1366	3.283	214	X													
2	243	127	3.215	200	X													
3	244	1349	3.223	175	X													
4	245	1216	3.203	150	X													
5	246	1223	3.221	125	X													
6	247	1224	3.363	100	X													
7	248	1225	3.547	75	X													
8	249	1320	4.186	50	X													
9	250	1321	4.756	30	X													
10	251	1368	4.911	20	X													
11	252	1360	5.627	10	X													
12	253	1369	6.309	0	X													
13																		
14																		
15																		
16																		
17																		
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19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Victoria
ENTERED BY: X. Sullivan
CHECKED BY:

Bottom Depth: 214

Cast # down: 043
Cast # up:

Time	LOC	UTC
Begin:		2229
Bottom:		
End:		

START POSITION (GPS)
LAT: 51°7.705
LONG: 123°34.247

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: SEO1 CAST NUMBER: 058 UTC DATE (dd/mm/yyyy): 30/10/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK.		CHL						
1	254	1366	5.298	100	✓ 102													way over 100% - rechecked Colours
2	255	127	4.966	75	✓ 75													
3	256	1349	5.015	50	✓ 50													
4	257	1216	4.952	30	✓ 30													
5	258	1223	4.899	20	✓ 20													
6	259	1224	4.998	10	✓ 10													
7	260	1225	5.731	0														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 105

Cast # down: 58
Cast # up:

Time	LOC	UTC
Begin:		1630
Bottom:		
End:		

START POSITION (GPS)
LAT: 51° 44' 92"
LONG: 127° 26' 50"

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-39 STATION: S001 CAST NUMBER: 88 UTC DATE (dd/mm/yyyy): 31/10/03

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	261	1366	5.480	68	✓ 79	✓												bit high 02
2	262	727	4.877	50	✓ 50	✓												
3	263	1349	4.915	30	✓ 30													
4	264	1216	4.975	20	✓ 20													
5	265	1223	5.001	10	✓ 10													
6	266	1224	5.009	0														
7																		
8																		
9																		
10																		
11																		
12																		
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21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: J. DeLima
CHECKED BY:

Bottom Depth: 80

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1655
Bottom:		
End:		1706

START POSITION (GPS)
LAT: 51° 5.515
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 200339 STATION: QCS1 CAST NUMBER: 90 UTC DATE (dd/mm/yyyy): 31/10/03

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	267	1225	3.417	150	✓ 158													(No nids) bottom-2m
2	268	1320	3.587	125	✓													
3	269	1321	3.668	100	✓													
4	270	1368	3.902	75	✓													
5	271	1360	3.986	50	✓													
6	272	1369	4.067	30	✓													
7	273	1371	4.140	20	✓													
8	274	1373	4.336	10	✓													
9	275	1374	4.545	0	✓ 1.0			✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: S.T.
CHECKED BY:

Bottom Depth: 160

Cast # down: 90
Cast # up:

Time	LOC	UTC
Begin:		2204
Bottom:		2208
End:		2216

START POSITION (GPS)
LAT: 50°40.04
LONG: 126°46.42

BOTTOM POSITION (GPS)
LAT: 50°40.04
LONG: 126°46.36

END POSITION (GPS)
LAT: 50°40.08
LONG: 126°46.33

Comments:

ROSETTE LOG

MISSION ID: 2003-39 STATION: DP2 CAST NUMBER: 91 UTC DATE (dd/mm/yyyy): 01/11/2003

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	276	1376	4.087	74	✓ 78	✓												over 100% - not used
2	277	1365	3.753	50	✓													
3	278	1379	3.758	30	✓													over 100%
4	279	81360	3.808	20	✓													
5	280	1381	3.864	10	✓													
6	281	1382	3.939	0	✓													
7																		
8																		
9																		
10																		
11																		
12																		
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20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: DS

CHECKED BY:

Bottom Depth: 81

Cast # down: 91

Cast # up:

Time	LOC	UTC
Begin:		636
Bottom:		639
End:		644

START POSITION (GPS)

LAT: 50° 4.818

LONG: 125° 15.817

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG: