

ROSETTE LOG

MISSION ID: 2004-11 STATION: FOX 1 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 15/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	1	1366	4.360	bot-5	~145	✓		✓	✓									
2	2	727	4.239	125	125	✓		✓	✓									
3	3	1349	4.654	100	98			✓	✓									
4	4	1216	5.628	75	75			✓	✓									
5	5	1223	6.090	50	51			✓	✓									
6	6	1224	6.573	30	30			✓	✓									
7	7	1225	6.790	20	20			✓	✓									
8	8	1320	6.905	10	10			✓	✓									
9	9	1321	6.960	5	05			✓	✓									
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: S.M

CHECKED BY:

Bottom Depth: 148

Cast # down: 1

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		1410
End:		1416

START POSITION (GPS)

LAT: 51 4.261

LONG: 127 41.492

BOTTOM POSITION (GPS)

LAT: 51 4.291

LONG: 127 41.677

END POSITION (GPS)

LAT: 51 4.308

LONG: 127 41.796

ROSETTE LOG

MISSION ID: 2004-11 STATION: BEO1 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 15/04/2004

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	10	1368	3.563	6-5	✓ 198	X	X	Xy										
2	11	1360	3.499	200	✓ 198													
3	12	1369	3.554	175	✓													
4	13	1371	4.282	150	✓													
5	14	1373	4.776	125	✓													
6	15	1374	5.323	100	✓													
7	16	1376	5.826	75	✓													
8	17	1365	6.091	50	✓													
9	18	1379	6.440	30	✓													
10	19	1380	6.533	20	✓													
11	20	1381	6.471	10	✓													
12	21	1382	7.160	0														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

note to self - change ✓ depth in oxy comp.

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 221

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:		2113
Bottom:		2119
End:		2132

START POSITION (GPS)
LAT: 51°07.68
LONG: 127°34.27

BOTTOM POSITION (GPS)
LAT: 51°07.69
LONG: 127°34.20

END POSITION (GPS)
LAT: 51°07.72
LONG: 127°34.18

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: BEO3 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 15/04/2004

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	22	1192	2.591	b-5	✓ 272	X	X	XX										
2	23	1290	2.767	250	✓	X												
3	24	1291	2.971	200	✓ 201													
4	25	1293	3.043	175	✓													
5	26	1295	3.272	150	✓													
6	27	1294	3.550	125	✓													
7	28	1298	4.020	100	✓													
8	29	1299	4.648	75	✓			XX										
9	30	1300	4.988	50	✓													duplicate nfts
10	31	1301	5.705	30	✓													
11	32	1302	5.900	20	✓													
12	33	1304	8.771*	10	✓													-2 big copepods in my oxy sample!
13	34	1303	5.708	0														(took long time to locate for some reason)
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 288

Cast # down: 5
Cast # up:

Time	LOC	UTC
Begin:		2248
Bottom:		2256
End:		23

START POSITION (GPS)
LAT: 51°07.84
LONG: 127°22.12

BOTTOM POSITION (GPS)
LAT: 51°07.82
LONG: 127°22.07

END POSITION (GPS)
LAT: 51°07.
LONG: 127°22.

ROSETTE LOG

MISSION ID: 2004-11 STATION: BEOS CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 16/04/2004

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	35	1305	2.663	6-10	298		X	XY										
2	36	1306	2.735	250	250													
3	37	1307	2.920	200	200													
4	38	1309	2.915	175	175													
5	39	1310	2.978	150	150													
6	40	1311	2.933	125	125													
7	41	1313	2.856	100	100													
8	42	1314	3.372	75	75													
9	43	1315	3.414	50	50													
10	44	1317	5.178	30	30													
11	45	1318	5.593	20	20													
12	46	1319	5.533	10	10													
13	47	1328	9.758	0	1		↓	↓										long filtration
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: Steve
CHECKED BY:

Bottom Depth: 300

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0039
Bottom:		0046
End:		

START POSITION (GPS)
LAT: 51 07.193
LONG: 127 09.125

BOTTOM POSITION (GPS)
LAT: 51 07.169
LONG: 127 09.125

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: B207 CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										Notes
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
						OXY				ALK		CHL				
1	48	1334	*.661	8-10	✓ 250											Fired immediately
2	49	1336	2.641	250	✓ 250											Fired ~ 1min later
3	50	1340	2.604	200	✓ 200											
4	51	1344	2.457	175	✓ 175											
5	52	1350	2.247	150	✓ 150											
6	53	1351	1.787	125	✓ 125											
7	54	1352	1.390	100	✓ 100											
8	55	1353	1.319	75	✓ 75											
9	56	1130	1.657	50	✓ 50											
10	57	364	2.336	30	✓ 30											
11	58	535	3.173	20	✓ 20											
12	59	572	4.163	10	✓ 10											
13	60	657	8.138	0	✓ 1.09											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: Sample 48 → 0.014ml + .328 + .124
* colourimeter went really wonky - wouldn't zero + was jumping all over from negative values to 300's. Very weird!
- I shut it off + now it seems to be OK... 0

SHIP: Vector
ENTERED BY: AD D.S.
CHECKED BY:

Bottom Depth: 334

Cast # down: 8
Cast # up:

Time	LOC	UTC
Begin:		0157
Bottom:		
End:		

START POSITION (GPS)
LAT: 51°06.53
LONG: 127°02.82

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2604-11 STATION: ALS4 CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 16/04/2004

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	61	708	0	70	✓ 70.48													anoxic
2	62	1135	0	70	✓ 70.48													25m off bottom
3	63	1176	0	50	✓ 50.44													anoxic
4	64	1136	1.963	30	✓ 30.18													anoxic
5	65	1137	2.176	20	✓ 20.15													
6	66	1138	2.015	10	✓ 10.09													
7	67	1142	8.832	0	✓ 1.31													
8	68																	
9	69																	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: D.S.

CHECKED BY:

Bottom Depth: 74

Cast # down: 10

Cast # up:

Time	LOC	UTC
Begin:		1702
Bottom:		1709
End:		1716

START POSITION (GPS)

LAT: 51° 10.837

LONG: 126° 55.450

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: AL83 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 16/04/2004

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	68	1146	0	130	✓	✓												anoxic
2	69	1153	0	125	✓	✓												anoxic
3	70	1158	0	100	✓	✓												anoxic
4	71	1175	0	75	✓	✓												"
5	72	1354	0.072	50	✓													only a hint of redox
6	73	1195	2.452	30	✓													
7	74	1206	2.550	20	✓													
8	75	1212	2.270	10	✓													
9	76	1188	8.755	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: 136

Cast # down: 11

Cast # up: 11

Time	LOC	UTC
Begin:		<u>1735</u>
Bottom:		<u>1741</u>
End:		<u>1751</u>

START POSITION (GPS)

LAT: 51° 9.996'

LONG: 126° 56.819

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: ALS2 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	77	1192	1.446	8-10	✓ 104.9	✓		✓	✗									2 bottles
2	78	1290	1.336	100	✓ 104.9	✓												-yes/ fixed
3	79	1291	1.765	75	✓ 75.1													
4	80	1293	3.706	50	✓ 49.9													
5	81	1295	3.698	30	✓ 29.9													
6	82	1294	3.712	20	✓ 20.1													
7	83	1298	3.201	10	✓ 9.94													
8	84	1299	8.709	5	✓ 1.03													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Note to Sheila → put in first 4 samples as cast 8 BE07 - need to fix in oxy computer (who was asleep at the wheel)

SHIP: Wacker
ENTERED BY: JHO
CHECKED BY:

Bottom Depth: 104.9m

Cast # down: 12
Cast # up:

Time LOC UTC
Begin: 1823 1829
Bottom: 1829 1834
End:

START POSITION (GPS)
LAT: 51° 10.207
LONG: 127° 2.480

BOTTOM POSITION (GPS)
LAT: 51° 10.207
LONG: 127° 2.480

END POSITION (GPS)
LAT: 51° 10.231
LONG: 127° 2.508

ROSETTE LOG

MISSION ID: 2004-11 STATION: ALS1 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 16/04/2004

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	85	1300	1.275		✓	148												✓3m off bottom
2	86	1302	1.291	150	✓	148												
3	87	1301	1.329	125	✓													
4	88	1304	1.547	100	✓													
5	89	1303	2.374	75	✓													
6	90	1305	4.596	50	✓													
7	91	1306	4.412	30	✓													
8	92	1307	4.058	20	✓													
9	93	1309	3.981	10	✓													
10	94	1310	10.627	0														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2004-11 STATION: MESØ CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 16/04/2004

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	95	1366	2.991	66-10	215	X		XX										
2	96	727	3.024	175	175													
3	97	1349	3.211	150	150													
4	98	1216	3.601	125	125													
5	99	1223	4.129	100	100													
6	100	1224	4.702	75	75													
7	101	1225	5.181	50	50													
8	102	1320	5.932	30	30													
9	103	1321	6.053	20	20													
10	104	1368	5.833	10	10													
11	105	1360	9.075	0				✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: SM
CHECKED BY:

Bottom Depth: 215

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2059
Bottom:		2105
End:		2115

START POSITION (GPS)
LAT: 51 7.77
LONG: 127 25.32

BOTTOM POSITION (GPS)
LAT: 51 7.77
LONG: 127 25.399

END POSITION (GPS)
LAT: 51 8.855
LONG: 127 25.469

ROSETTE LOG

MISSION ID: 2004-11 STATION: MES1 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 16/04/2004

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	106	1369	4.419	6-5	80			XX										
2	107	1371	4.374	75	75													
3	108	1373	4.746	50	50													
4	109	1374	5.692	30	30													
5	110	1376	5.744	20	20													
6	111	1365	5.473	10	10													
7	112			5	5													not sampled
8	113	1379	9.931	0	0													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: SM

CHECKED BY:

Bottom Depth: ~82

Cast # down: 15

Cast # up:

TimeLOCUTC

Begin:2144

Bottom:2148

End:2154

START POSITION (GPS)

LAT: 51°08.85

LONG: 127°24.82

BOTTOM POSITION (GPS)

LAT: 51°08.65

LONG: 127°24.81

END POSITION (GPS)

LAT: 51°08.45

LONG: 127°24.808

ROSETTE LOG

MISSION ID: 2004-11 STATION: MES 2 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	114	1381	4.603	6-5	84			X	XY									
2	115	1382	4.644	75	75													
3	116	1383	4.722	50	50													
4	117	1384	5.219	30	30													
5	118	1385	5.392	20	20													
6	119	1386	5.272	10	10													
7	120	1461	9.467	1	0													
8	121																	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: SM
CHECKED BY:

Bottom Depth: ~ 91

Cast # down: 16
Cast # up:

Time	LOC	UTC
Begin:		2214
Bottom:		2216
End:		2222

START POSITION (GPS)
LAT: 51 9.912
LONG: 127 25.105

BOTTOM POSITION (GPS)
LAT: 51 9.919
LONG: 127 25.072

END POSITION (GPS)
LAT: 51 9.917
LONG: 127 25.072

ROSETTE LOG

MISSION ID: 2004-11 STATION: MES3 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	121	1334	2.557	6.5	82		/	/										
2	122	1336	2.407	50	75		/	/										
3	123	1340	3.539	30	50		/	/										
4	124	1344	4.676	20	30		/	/										
5	125	1350	4.969	10	20		/	/										
6	126	1351	5.051	1	10		/	/										
7	127	1352	8.939		Ø		/	/										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: Sam
CHECKED BY:

Bottom Depth: 79

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2242
Bottom:		2247
End:		2252

START POSITION (GPS)
LAT: 51 11.58
LONG: 127 24.748

BOTTOM POSITION (GPS)
LAT: 51 11.58
LONG: 127 24.746

END POSITION (GPS)
LAT: 51.11.575
LONG: 127 24.756

ROSETTE LOG

MISSION ID: 2004-11 STATION: MES4 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 16/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	128	1353	0.262	bottom	✓ 1.2			+	✓ 4									
2	129	1130	0.192	150	✓ 150			↑	↓									
3	130	364	0.378	125	✓ 125													
4	131	535	0.616	100	✓ 100													
5	132	572	0.774	75	✓ 75													
6	133	657	3.712	50	✓ 50													
7	134	708	3.688	30	✓ 30													
8	135	1135	3.353	20	✓ 20													
9	136	1176	3.540	10	✓ 10													
10	137	1136	7.971	0	✓ 0			↓	↓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 164

Cast # down: 18

Cast # up:

TimeLOCUTC

Begin:2320

Bottom:

End:

START POSITION (GPS)

LAT:51°11.832

LONG:127°21.121

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:51°11.834

LONG:127°21.113.

ROSETTE LOG

MISSION ID: 2004-11 STATION: MES5 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 17/04/2004

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	138	1137	0.15	B-10	✓	129.4		✓	XX									
2	139	1138	0.139	100	✓	100												
3	140	1142	0.485	75	✓	74.9												
4	141	1146	0.566	50	✓	50.1												
5	142	1153	1.739	30	✓	30.1												
6	143	1158	2.017	20	✓	20												
7	144	1175	2.273	10	✓	10.1												
8	145	1351	7.220	0	✓	0.97		✓	✓									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Wicker
ENTERED BY: JAO
CHECKED BY:

Bottom Depth: 133

Cast # down: 19
Cast # up:

Time	LOC	UTC
Begin:	0010	
Bottom:	0017	
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SE01 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 17/04/2004

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	146	1192	6.664	B-2	102													
2	147	1290	6.512	75	75													
3	148	1291	6.505	50	50	✓												
4	149	1293	6.413	30	30													
5	150	1295	6.414	20	20													
6	151	1294	6.815	10	10													
7	152			0	0												xx	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: MYSTERIOUS AIR SAMPLE TAKEN FROM NISKIN #1

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0354
Bottom:		
End:		0403

START POSITION (GPS)
LAT: 51 4.500
LONG: 127 26.432

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 51 4.513
LONG: 127 26.419

ROSETTE LOG

MISSION ID: 2004-11 STATION: SE03 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 17/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	153	1298	2.616	bottom	439	-												
2	154	1299	2.607	400	400	✓												
3	155	1300	2.579	300	300													
4	156	1302	2.629	250	250													
5	157	1301	2.756	200	200													
6	158	1304	2.679	175	175													
7	159	1303	2.854	150	150													
8	160	1305	4.394	125	125													
9	161	1306	5.385	100	100													
10	162	1307	5.929	75	75													
11	163	1309	5.823	50	50													
12	164	1310	5.732	30	30													
13	165	1311	5.901	20	19													
14	166	1313	5.413	10	10													
15	167	1314	9.188	0	1.8													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 450

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		<u>0501</u>
Bottom:		<u>0511</u>
End:		<u>0531</u>

START POSITION (GPS)		
LAT:	<u>51</u>	<u>2.844</u>
LONG:	<u>127</u>	<u>15.437</u>

BOTTOM POSITION (GPS)		
LAT:	<u>51</u>	<u>2.822</u>
LONG:	<u>127</u>	<u>15.433</u>

END POSITION (GPS)		
LAT:	<u>51</u>	<u>2.774</u>
LONG:	<u>127</u>	<u>15.474</u>

ROSETTE LOG

MISSION ID: 2004-11 STATION: SE 5 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 17/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	TDO		CI3							
						OXY				ALK		CHL						
1	168	1336	2.635	bottom	609													
2	169	1331	2.713	500	500													
3	170	1340	2.733	400	400													
4	171	1344	2.707	300	300													
5	172	1350	2.628	250	250													
6	173	1351	2.582	200	200													
7	174	1352	2.622	175	175													
8	175	1353	2.817	150	150													
9	176	1130	4.309	125	125													
10	177	364	5.324	100	100													
11	178	535	5.231	75	75													
12	179	572	5.276	50	50													
13	180	657	5.122	30	30													
14	181	708	5.891	20	20													
15	182	1135	5.390	10	10													
16	183	1176	9.265	0														
17	175																	
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0715
Bottom:		0725
End:		0747

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 51 04.16
LONG: 127 00.54

END POSITION (GPS)
LAT: 51 04.104
LONG: 127 0.319

ROSETTE LOG

MISSION ID: 2004-11 STATION: FES3 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 17/04/2004

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	184	1389	3.029	bottom	58											
2	185	1391	3.028	50	50											
3	186	1393	3.882	30	30											
4	187	1394	4.540	20	20				//							duplicate NUTS
5	188	1397	5.531	10	10											
6	189	1398	9.818	0	8(1.2)											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: VECTOR
 ENTERED BY: Sm
 CHECKED BY:

Bottom Depth: 62

Cast # down: 25
 Cast # up:

Time	LOC	UTC
Begin:		1915
Bottom:		1917
End:		1921

START POSITION (GPS)
 LAT: 50 59.916
 LONG: 126 43.950

BOTTOM POSITION (GPS)
 LAT: 50 59.916
 LONG: 126 43.748

END POSITION (GPS)
 LAT: 50 59.944
 LONG: 126 43.757

Comments:

ROSETTE LOG

MISSION ID: 2004-11

STATION: FRS2

CAST NUMBER: 26

UTC DATE (dd/mm/yyyy): 17/04/2004

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	205	1206	0	bottom	206													anoxic
2	206	1195	0	200	200													
3	207	1142	0	175	175													
4	208	1175	0.046	150	150													
5	209	1153	0.051	125	125													
6	210	1138	0.051	100	100													
7	211	1158	1.281	75	75													
8	212	1146	3.603	50	50													
9	213	1130	4.038	30	30													
10	214	1125	4.577	20	20													
11	215	1126	5.232	10	10													
12	216	1127	9.369	0	1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 210

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 2003

End: 2016

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 0.515

LONG: 126 42.181

END POSITION (GPS)

LAT: 51 0.462

LONG: 126 42.128

ROSETTE LOG

MISSION ID: 2004-11

STATION: FLS1

CAST NUMBER: 27

UTC DATE (dd/mm/yyyy): 17/04/2004

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	193	1403	0	bottom	238													amoxic
2	194	1404	0	200	200													
3	195	1406	0.070	175	175													
4	196	1407	0.104	150	150													
5	197	1410	0.058	125	125													
6	198	1411	0.092	100	100													
7	199	1414	0.932	75	75													(note to self ✓ wrong sample #)
8	200	1417	3.941	50	50													
9	201	1421	4.361	30	30													
10	202	1422	4.824	20	20													
11	203	1423	5.421	10	10													
(12)	204	1424	7.905	surf	1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 241

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2052
Bottom:		2056
End:		2108

START POSITION (GPS)

LAT: 51 2.250

LONG: 126 43.010

BOTTOM POSITION (GPS)

LAT: 51 2.249

LONG: 126 43.000

END POSITION (GPS)

LAT: 51 2.227

LONG: 126 42.979

ROSETTE LOG

MISSION ID: 2004-11

STATION: FRS 0

CAST NUMBER: 28

UTC DATE (dd/mm/yyyy):

17/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
1	217	1192	0.157	bottom	150													
2	218	1290	0.069	125	125													
3	219	1291	0.103	100	100													
4	220	1293	0.761	75	75													
5	221	1295	4.574	50	50													
6	222	1294	5.207	30	30													
7	223	1298	5.342	20	20													
8	224	1299	5.674	10	10													
9	225	1300	6.873	surf	1.1													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 153

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2137

Bottom: 2140

End: 2149

START POSITION (GPS)

LAT: 51 3.744

LONG: 126 44.748

BOTTOM POSITION (GPS)

LAT: 51 3.751

LONG: 126 44.762

END POSITION (GPS)

LAT: 51 3.753

LONG: 126 44.797

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SE8 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 17/04/2004

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	226	1302	2.790	Bot	✓ 130													
2	227	1301	3.068	100	✓ 100													
3	228	1304	3.275	75	✓ 75													
4	229	1303	3.275	50	✓ 50	✓												
5	230			30	✓ 30													no sample? ✓
6	231	1306	3.137	20	✓ 20													wrong depth? Note to me
7	232	1310	4.304	10	✓ 10													
8	233	1309	8.410	0	✓ 1.25													
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:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2258
Bottom:		
End:		

START POSITION (GPS)

LAT: 51 11.027

LONG: 126° 39.516

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SE07 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 18/04/2004

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	234	1336	2.641	B-2	267	✓												
2	235	1334	2.701	200	200													
3	236	1340	2.649	175	175	✓												
4	237	1344	2.755	150	150													
5	238	1350	3.240	125	125													
6	239	1351	4.048	100	100	✓												
7	240	1352	4.098	75	75													
8	241	1353	3.920	50	50													
9	242	364	3.946	30	30													
10	243	1130	4.740	20	20													
11	244	535	4.725	10	10													
12	245	572	7.491	0	1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

lots of debris in oxy sample.

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 268

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	51°	0021
Bottom:		0028
End:		0045

START POSITION (GPS)

LAT: 51° 05' 980

LONG: 126° 44.885

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: NS3 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 18/04/2004

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	2456	1403	0.087	8-5	✓ 125													
2	2467	1404	0.1099	100	✓ 100													
3	2478	1406	0.487	75	✓ 75													
4	2489	1407	1.871	50	✓ 50													
5	249			30	✓ 30													Discarded to prevent label chaos
6	250	1411	2.595	20	✓ 20													
7	251	1414	4.464	10	✓ 10													
(8)	252	1417	8.910	0	✓ 0													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: AD
CHECKED BY:

Bottom Depth: 125

Cast # down: 34
Cast # up:

Time	LOC	UTC
Begin:		1607
Bottom:		1617
End:		1625

START POSITION (GPS)
LAT: 31° 5.201
LONG: 127° 13.825

BOTTOM POSITION (GPS)
LAT: 31° 5.201
LONG: 127° 13.842

END POSITION (GPS)
LAT: 31° 5.160
LONG: 127° 13.906

ROSETTE LOG

MISSION ID: 2004-11

STATION: NS2

CAST NUMBER: 35

UTC DATE (dd/mm/yyyy): 18/04/2004

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	253	1421	3.245	100	102													
2	254	1422	3.588	75	75													
3	255	1423	4.210	30	50													
4	256	1424	3.143	30	30													
5	257	1206	3.613	20	20													
6	258	1195	4.882	10	10													
7	259	1142	6.542	0	0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: D. Spina

CHECKED BY:

Bottom Depth: 102

Cast # down: 35

Cast # up:

Time	LOC	UTC
Begin:		1703
Bottom:		1707
End:		1714

START POSITION (GPS)

LAT: 51° 5. 290

LONG: 127° 20. 759

BOTTOM POSITION (GPS)

LAT: 51° 5. 280

LONG: 127° 20. 757

END POSITION (GPS)

LAT: 51° 5. 262

LONG: 127° 20. 786

ROSETTE LOG

MISSION ID: 2004-11 STATION: NS7 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 18/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	260	1175	5.952	807-10	✓ 65.9													
2	261	1153	5.957	50	✓ 50													
3	262	1138	6.310	30	✓ 30													
4	263	1158	6.397	20	✓ 20													
5	264	1146	6.194	10	✓ 10													
6	265	1430	8.360	0	✓ 0													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: X. Dallimore
CHECKED BY:

Bottom Depth: 559

Cast # down: 36

Cast # up:

Time	LOC	UTC
Begin:		<u>1747</u>
Bottom:		<u>1750</u>
End:		<u>1757</u>

START POSITION (GPS)
LAT: 5° 5.453
LONG: 127° 25.826

BOTTOM POSITION (GPS)
LAT: 5° 5.461
LONG: 127° 25.848

END POSITION (GPS)
LAT: 5° 5.470
LONG: 127° 25.89

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM5A CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 20/04/2004

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	273	1366	3.495	Bo-5	✓ 61.0		✓											
2	274	727	3.564	50	✓ 50		✓											
3	275	1349	5.100	30	✓ 30		✓											Lower O-ring drip - changed 21/04/04 ST.
4	276	1216	5.432	20	✓ 20		✓											
5	277	1223	5.890	10	✓ 10		✓											
6	278	1224	8.560	0	✓ 1.2		✓											
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: JE

CHECKED BY: JE

Bottom Depth: 66

Cast # down: 46

Cast # up: 46

Time	LOC	UTC
Begin:		1809
Bottom:		1811
End:		

START POSITION (GPS)

LAT: 51 21.104

LONG: 127 04.024

BOTTOM POSITION (GPS)

LAT: 51 21.104

LONG: 127 04.018

END POSITION (GPS)

LAT: 51 21.110

LONG: 127 04.000

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SMS CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 20/04/2004

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	279	1225	0	20-5	✓	105		✓										anoxic
2	280	1320	1.732	75	✓	75		✓										
3	281	1321	4.127	50	✓	50		✓										
4	282	1368	5.367	30	✓	30		✓										
5	283	1360	5.511	20	✓	20		✓										
6	284	1369	5.784	10	✓	10		✓										
7	285	1371	8.540	0	✓	0.9		✓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: HTE

CHECKED BY:

Bottom Depth: 110

Cast # down: 47

Cast # up: 47

Time	LOC	UTC
Begin:		1835
Bottom:		1839
End:		1846

START POSITION (GPS)

LAT: 51° 21.301

LONG: 127 06.179

BOTTOM POSITION (GPS)

LAT: 51 21.307

LONG: 127 06.199

END POSITION (GPS)

LAT: 51 21.314

LONG: 127 06.224

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM4 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 20/04/2004

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	285	1373	0	30-5	✓	186		✓	✓									anoxic
2	286	1376	0	150	✓	150		✓	✓									"
3	287	1374	0	125	✓	125		✓	✓									"
4	288	1365	0.683	100	✓	100												
5	289	1379	3.253	75	✓	75												
6	290	1380	4.455	50	✓	50												
7	291	1381	5.417	30	✓	30												
8	292	1382	5.606	20	✓	20												
9	293	1383	5.923	10	✓	10			✓									
10	294	1384	7.061	0				✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 190

Cast # down: 48
Cast # up: 48

Time	LOC	UTC
Begin:		2108
Bottom:		2114
End:		

START POSITION (GPS)
LAT: 51 21.522
LONG: 127 09.118

BOTTOM POSITION (GPS)
LAT: 51 21.523
LONG: 127 09.126

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SMAA CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 20/04/2004

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	295	1403	3.289	30.5	✓ 73		✓	✓										
2	296	1404	4.214	50	✓ 50													
3	297	1406	5.459	30	✓ 30													
4	298	1407	5.587	20	✓ 20													
5	299	1410	6.213	10	✓ 10													
6	300	1411	7.857	0			✓	✓										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: JC
CHECKED BY:

Bottom Depth: 80

Cast # down: 49
Cast # up: 49

Time	LOC	UTC
Begin:		2155
Bottom:		2157
End:		2202

START POSITION (GPS)
LAT: 51 21.570
LONG: 127 07.165

BOTTOM POSITION (GPS)
LAT: 51 21.546
LONG: 127 07.170

END POSITION (GPS)
LAT: 51 21.536
LONG: 127 07.132

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM3A CAST NUMBER: 51 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					
1	301	1424	1.151	305	✓	226		✓	✓									
2	302	1423	1.200	200	✓	200		✓	✓									
3	303	1422	1.261	175	✓	175		✓	✓									
4	304	1421	1.449	150	✓	150		✓	✓									
5	305	1417	1.698	125	✓	125		✓	✓									
6	306	1414	2.431	100	✓	100		✓	✓									
7	307	1206	3.184	75	✓	75		✓	✓									
8	308	1195	4.882	50	✓	50		✓	✓									
9	309	1142	5.828	30	✓	30		✓	✓									
10	310	1175	5.868	20	✓	20		✓	✓									
11	311	1153	6.120	10	✓	10		✓	✓									
12	312	1138	7.505	0	✓	1.1		✓	✓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 233

Cast # down: 51

Cast # up: 51

Time	LOC	UTC
Begin:		2334
Bottom:		2340
End:		2355

START POSITION (GPS)

LAT: 51 19.278

LONG: 127 11.011

BOTTOM POSITION (GPS)

LAT: 51 19.268

LONG: 127 11.024

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM3B CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 21/04/2004

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	313	1158	3.953	Bo-5	✓ 72		✓	✓										
2	314	1146	4.224	50	✓ 50													
3	315	1430	5.630	30	✓ 30													
4	316	1425	5.801	20	✓ 20													
5	317	1426	5.908	10	✓ 10													
6	318	1427	8.868	0	✓ 1.1													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: JF
CHECKED BY:

Bottom Depth: 67

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0022
Bottom:		0024
End:		0030

START POSITION (GPS)
LAT: 51 19.999
LONG: 127 10.800

BOTTOM POSITION (GPS)
LAT: 51 19.998
LONG: 127 10.801

END POSITION (GPS)
LAT: 51 19.993
LONG: 127 10.802

Comments:

ROSETTE LOG

MISSION ID: 2004-11 STATION: 252 SMOA CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 21/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	319	1336	1.663	8-10	✓ 240	X	X	YX										
2	320	1334	1.759	200	✓ 200													
3	321	1340	1.860	175	✓ 175													
4	322	1344	1.970	150	✓ 150													
5	323	1350	3.121	125	✓ 120													
6	324	1351	4.137	100	✓ 100													
7	325	1352	4.522	75	✓ 75													
8	326	1353	5.894	50	✓ 50													
9	327	364	1.427	30	✓ 30													
10	328	1130	6.586	20	✓ 20													
11	329	535	6.526	10	✓ 10													
12	330	572	7.420	0	✓ 1.7													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 242

Cast # down: 54

Cast # up:

Time	LOC	UTC
Begin:		1421
Bottom:		1428
End:		14

START POSITION (GPS)

LAT: 51°18.83

LONG: 127°33.11

BOTTOM POSITION (GPS)

LAT: 51°18.78

LONG: 127°33.04

END POSITION (GPS)

LAT: 51 18.886

LONG: 127 33.126

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM1 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 21/04/2004

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	331	1389	1.535	10-10	✓ 205	✓	✓	✓								
2	332	708	1.793	175	✓ 175		1	1								
3	333	1135	2.025	150	✓ 150											
4	334	1176	3.300	125	✓ 125											
5	335	1136	3.986	100	✓ 100											
6	336	1137	4.357	75	✓ 75											
7	337	657	5.848	50	✓ 50											
8	338	1391	6.307	30	✓ 30											
9	339	1393	6.410	20	✓ 20											
10	340	1394	6.491	10	✓ 10		✓	✓								
11	341	1397	7.811	0	✓ 1.2											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR
 ENTERED BY: JE
 CHECKED BY:

Bottom Depth: 207

Cast # down: 55
 Cast # up: 55

Time	LOC	UTC
Begin:		1522
Bottom:		1527
End:		

START POSITION (GPS)
 LAT: 51 18.654
 LONG: 127 30.049

BOTTOM POSITION (GPS)
 LAT: 51 18.708
 LONG: 127 30.014

END POSITION (GPS)
 LAT: 51 18.793
 LONG: 127 30.155

ROSETTE LOG

MISSION ID: 2004-11 STATION: NS11 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 21/04/2004

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	342	1403	4.684	Bo-5	✓ 68			✓	✓									
2	343	1404	5.149	50	✓ 50			✓	✓									
3	344	1406	5.927	30	✓ 30			✓	✓									
4	345	1407	6.197	20	✓ 20			✓	✓									
5	346	1410	6.332	10	✓ 10			✓	✓									
6	347	1411	7.342	0	✓ 1.6			✓	✓									
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 74

Cast # down: 56
Cast # up: 56

Time	LOC	UTC
Begin:		1722
Bottom:		1725
End:		1730

START POSITION (GPS)
LAT: 51 18.931
LONG: 127 20.927

BOTTOM POSITION (GPS)
LAT: 51 18.960
LONG: 127 20.930

END POSITION (GPS)
LAT: 18.976
LONG: 20.948

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM2 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 21/04/2004

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	348	1424	1.268	30-5	✓ 365	✓		✓	✓									
2	349	1423	1.285	300	✓ 300	✓		✓	✓									
3	350	1422	1.324	250	✓ 250													
4	351	1421	1.557	200	✓ 200													
5	352	1417	1.693	175	✓ 175													
6	353	1414	1.764	150	✓ 150													
7	354	1206	2.689	125	✓ 125													
8	355	1195	3.416	100	✓ 100													
9	356	1142	4.252	75	✓ 75													
10	357	1175	5.517	50	✓ 50													
11	358	1153	6.151	30	✓ 30													
12	359	1138	3.578 + 2.602	20	✓ 20													*colorimeter error
13	360	1158	6.219	10	✓ 10													
14	361	1146	6.558	0	✓ 1.2			✓	✓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 368

Cast # down: 57
Cast # up: 57

Time	LOC	UTC
Begin:		1753
Bottom:		1802
End:		

START POSITION (GPS)
LAT: 51 17.986
LONG: 127 22.176

BOTTOM POSITION (GPS)
LAT: 51 17.975
LONG: 127 22.290

END POSITION (GPS)
LAT: 51 18.005
LONG: 127 22.420

Comments: * I added up the D.O. values from the 2 titrations for sample 359 + it looks fine.

ROSETTE LOG

MISSION ID: 2004-11 STATION: SM3 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 21/04/2004

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	362	1366	1.340	30-5	✓ 320	✓	✓	✓										didn't zero colourimeter
2	363	727	1.257	250	✓ 250													(value looks OK)
3	364	1349	1.306	200	✓ 200													
4	365	1216	1.535	175	✓ 175													
5	366	1223	1.561	150	✓ 150													
6	367	1224	1.844	125	✓ 125													
7	368	1225	2.702	100	✓ 100													
8	369	1320	3.755	75	✓ 75													
9	370	1321	5.017	50	✓ 50													
10	371	1368	6.060	30	✓ 30													
11	372	1360	6.107	20	✓ 20													
12	373	1369	6.040	10	✓ 10													
13	374	1377	7.180	0				✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 324

Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:		1911
Bottom:		1919
End:		1937

START POSITION (GPS)
LAT: 51 18493
LONG: 127 14610

BOTTOM POSITION (GPS)
LAT: 51 18491
LONG: 127 14.663

END POSITION (GPS)
LAT: 51 18485
LONG: 127 14.729

ROSETTE LOG

MISSION ID: 2004-11 STATION: SMO CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 22/04/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	375	1373	1.845	Bo-5	✓ 257	✓	✓	✓✓										
2	376	1376	1.906	200	✓ 200	✓		✓✓										
3	377	1374	1.937	175	✓ 175													
4	378	1365	2.390	150	✓ 150			✓✓										
5	379	1379	3.993	125	✓ 125													
6	380	1380	4.584	100	✓ 100			✓✓										
7	381	1381	4.738	75	✓ 75			✓✓										
8	382	1382	6.059	50	✓ 50			✓✓										
9	383	1383	6.446	30	✓ 30			✓✓										
10	384	1384	6.528	20	✓ 20			✓✓										
11	385	1385	6.942	10	✓ 10			✓✓										
12	386	1386	8.594	0	✓ 1.2		✓	✓✓										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 268

Cast # down: 60

Cast # up: 60

Time	LOC	UTC
Begin:		0044
Bottom:		0051
End:		0105

START POSITION (GPS)

LAT: 51 18.238

LONG: 127 36.932

BOTTOM POSITION (GPS)

LAT: 51 18.251

LONG: 127 36.847

END POSITION (GPS)

LAT: 51 18.283

LONG: 127 36.706

Comments: