

ROSETTE LOG

MISSION ID: 2002-10

STATION: 21

CAST NUMBER: 2

UTC DATE (dd/mm/yyyy): 12/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	1	84	5.755	240	✓ 237		✓	✓										
2	2	255	5.641	200	✓													
3	3	364	5.652	175	✓													
4	4	392	5.685	150	✓ 149													
5	5	534	5.638	125	✓ 124													
6	6	535	5.650	100	✓													
7	7	572	5.628	75	✓													
8	8	588	5.658	50	✓													
9	9	632	5.650	40	✓													
10	10	657	5.649	30	✓													
11	11	695	5.686	20	✓													
12	12	697	5.739	10	✓													
13	13	707	5.667	5	✓													
14	14	708	5.680	0	✓ 1		✓	✓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 240.

Cast # down:

Cast # up:

TimeLOCUTC

Begin:

Bottom:0545

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:50 14.88

LONG:125 23.11

END POSITION (GPS)

LAT:

LONG:

oxy probe 5.10

ROSETTE LOG

MISSION ID: 2002-10 STATION: SE02 CAST NUMBER: 004 UTC DATE (dd/mm/yyyy): 17/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	150			
1	15	84	6.109	80-5	✓ 95								✓			
2	16	255	6.086	90	✓ 90											
3	17	364	6.094	75	✓ 75											
4	18	392	6.063	50	✓ 50								✓			
5	19	534	5.981	30	✓ 30											
6	20	535	5.959	20	✓ 20											
7	21	572	6.021	10	✓ 10											
8	22	588	6.219	0	✓ 0								✓			
9																
10																
11																
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19																
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21																
22																
23																
24																

SHIP: VECTOR.

ENTERED BY:

CHECKED BY:

Bottom Depth: 96

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2140

Bottom:

End:

START POSITION (GPS)

LAT: 51 3.40

LONG: 127 23.27

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

SMITH - MARE GAB #1

ROSETTE LOG

MISSION ID: 2002-10

STATION: SE01

CAST NUMBER: 6

UTC DATE (dd/mm/yyyy): 17/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	ISO					
1	23	632	6.060	96	✓ 96	✓	✓	✓					✓					
2	24	657	6.067	90	✓ 90													
3	25	695	6.074	75	✓ 75													
4	26	697	6.060	50	✓ 50								✓					
5	27	707	5.969	30	✓ 30													
6	28	708	5.939	20	✓ 20													
7	29	709	6.071	10	✓ 10													
8	30	712	6.398	0	✓ 0		✓	✓					✓					
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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19																		
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22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 100

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2214

Bottom:

End: 2223

START POSITION (GPS)

LAT: 51°04.51

LONG: 127 26.44

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: SE02A CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 17/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3							
							OXY				ALK		CHL	50					
1	31	715	5.706	B-5	✓ 69		✓							✓					
2	32	727	5.700	60	✓ 60		✓												
3	33	730	5.729	50	✓ 50		✓							✓					
4	34	1105	5.794	30	✓ 30		✓												
5	35	1110	5.949	20	✓ 20		✓												
6	36	1126	5.984	10	✓ 10		✓							✓					
7	37	1128	6.838	0			✓												
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
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18																			
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22																			
23																			
24																			

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 75

Cast # down:

Cast # up:

TimeLOCUTC

Begin:2308

Bottom:

End:2316

START POSITION (GPS)

LAT:51°02.27

LONG:127°19.96

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: SEA3

CAST NUMBER: 009

UTC DATE (dd/mm/yyyy): 17/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	50					
1	38	1142	3.180	ROT-5	✓ 430	-	✓	✓						✓				
2	39	1146	3.159	420	✓ 420	✓												
3	40	1148	3.289	390	✓ 390	✓												
4	41	1153	3.197	350	✓ 350													
5	42	1158	3.189	300	✓ 300													
6	43	1171	3.181	275	✓ 275													
7	44	1174	3.094	250	✓ 250													
8	45	1175	2.732	225	✓ 225													
9	46	1176	2.711	200	✓ 200								✓					
10	47	1188	2.802	175	✓ 175													
11	48	1191	3.548	150	✓ 150													
12	49	1192	4.814	125	✓ 125													
13	50	1193	5.462	100	✓ 100													
14	51	1194	5.710	75	✓ 75													
15	52	1195	5.772	50	✓ 50													
16	53	1201	5.741	30	✓ 30													
17	54	1203	5.640	20	✓ 20													
18	54	1206	5.612	10	✓ 10													
19	56	1209	6.592	0	✓ 0		✓	✓					✓					
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 465

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2340

Bottom:

End:

START POSITION (GPS)

LAT: 51° 02.81

LONG: 127° 5.40

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: SE04 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	57	1210	3.454	B-5	✓ 548		✓							✓				
2	58	1212	3.489	500	✓ 500		✓											
3	59	1215	3.492	450	✓ 450		✓											
4	60	1216	3.423	400	✓ 400		✓											
5	61	1222	3.317	350	✓ 350		✓											
6	62	1223	3.175	300	✓ 300		✓											
7	63	1224	2.867	250	✓ 250		✓						✓					
8	64		NO DATA	200	✓ 200		✓											MISS-FIRE
9	65	1228	2.808	175	✓ 175		✓											
10	66	1231	2.830	150	✓ 150		✓											
11	67	1233	3.154	125	✓ 125		✓											
12	68	1235	4.977	100	✓ 100		✓											
13	69	1237	5.557	75	✓ 75		✓											
14	70	1238	5.724	50	✓ 50		✓											
15	71	1241	5.308	30	✓ 30		✓											
16	72	1243	5.190	20	✓ 20		✓											
17	73	1244	5.311	10	✓ 10		✓											
18	74	1247	6.602	0	✓ 0		✓							✓				
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 555

Cast # down: _____

Cast # up: _____

Time LOC UTC

Begin: 0220

Bottom: _____

End: _____

START POSITION (GPS)

LAT: 51 03.18

LONG: 127 07.94

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: _____

LONG: _____

ROSETTE LOG

MISSION ID: 2002-10 STATION: SE05 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	150			
1	75	1248	3.464	B-5	✓ 611		✓	✓					✓			
2	76	1249	3.487	550	✓ 550											
3	77	1254	3.534	500	✓ 500											
4	78	1256	3.540	400	✓ 400											
5	79	1258	3.545	375	✓ 375											
6	80	1260	3.569	350	✓ 350											
7	81	1261	3.523	300	✓ 300								✓			
8	82	1264	3.088	250	✓ 250											
9	83	1267	2.879	200	✓ 200											
10	84	1268	2.910	175	✓ 175											
11	85	1270	3.064	150	✓ 150											
12	86	1271	2.722	125	✓ 125											
13	87	1272	4.973	100	✓ 100											
14	88	1273	5.120	75	✓ 75											
15	89	1274	5.461	50	✓ 50											
16	90	1275	4.953	30	✓ 30											
17	91	1276	5.008	20	✓ 20											
18	92	1277	4.892	10	✓ 10											
19	93	1278	5.911	0	1			✓	✓				✓			
20																
21																
22																
23																
24																

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 622

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0426

Bottom:

End:

START POSITION (GPS)

LAT: 5104.28

LONG: 127 00.61

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: SE06 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	94	1281	3479	BOT-5	✓ 532													
2	95	1282	3510	500	✓ 500													
3	96	1283	3.600	400	✓ 400													
4	97	1284	3.620	350	✓ 350													
5	98	1285	3.502	300	✓ 300													
6	99	1286	3.328	275	✓ 275													
7	100	1287	3.182	250	✓ 250													
8	101	1288	3.118	200	✓ 200													
9	102	1290	3.165	175	✓ 175													
10	103	1291	3.111	150	✓													
11	104	1292	2.949	125	✓													
12	105	1293	4.321	100	✓													
13	106	1294	5.068	75	✓													
14	107	1295	4.883	50	✓													
15	108	1297	4.743	30	✓													
16	109	1298	4.797	20	✓													
17	110	1299	4.864	10	✓													
18	111	1300	2.158	0	✓ 1.4													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 540m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0534

Bottom:

End:

START POSITION (GPS)

LAT: 5104.28LONG: 126 52.38

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: FRS 3

CAST NUMBER: #15

UTC DATE (dd/mm/yyyy): 18/04/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	112	84	3491	60	✓ 57			✓	✓							✓		
2	113	255	3.467	50	✓ 50			✓	✓									
3	114	364	3.428	40	✓ 40			✓	✓									
4	115	392	3.508	30	✓ 30			✓	✓							✓		
5	116	534	4.965	20	✓ 20			✓	✓									
6	117	535	5.954	10	✓ 10			✓	✓									
7	118	572	7.999	0	✓			✓	✓							✓		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
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22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 62

Cast # down:

Cast # up:

Time LOC UTC

Begin: 19/2

Bottom:

End:

START POSITION (GPS)

LAT: 50 59.91

LONG: 126 43.65

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: FRS2

CAST NUMBER: 17

UTC DATE (dd/mm/yyyy): 18/4/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	ISO					
1	119	588	.960	211	✓ 207	✓	✓	✓						✓				
2	120	632	.894	200	✓ 200	✓												
3	121	657	1.044	180	✓ 180													
4	122	695	1.195	160	✓ 160													
5	123	697	1.497	125	✓ 125													
6	124	707	1.592	100	✓ 100								✓					
7	125	708	1.844	75	✓ 75													
8	126	709	4.270	50	✓ 50													
9	127	712	4.124	30	✓ 30													
10	128	715	4.193	20	✓ 20													
11	129	727	5.469	10	✓ 10													
12	130	730	6.585	0				✓	✓				✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 211

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1950

Bottom:

End:

START POSITION (GPS)

LAT:5100.54

LONG:12640.21

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: FRS1 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	150					
1	131	1105	1.919	238	✓ 236	✓	✓	✓						✓				
2	132	1110	1.907	225	✓ 225	✓												
3	133	1126	1.225	200	✓ 200													
4	134	1128	1.219	200	✓ 200													
5	135	1130	1.436	180	✓ 180													
6	136	1134	1.736	140	✓ 140													
7	137	1135	1.740	120	✓ 120								✓					
8	138	1136	1.537	100	✓ 100													
box 1 9	139	1137	2.170	75	✓ 75													
10	140	1138	4.446	50	✓ 50													
11	141	1141	4.153	30	✓ 30													
box 2 12	142	1142	4.481	20	✓ 20													
13	143	1146	5.322	10	✓ 10													
14	144	1148	6.797	0	✓ 0		✓	✓					✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY: 215

Bottom Depth: 245 m

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2047
Bottom:		
End:		

START POSITION (GPS)
LAT: 51°02.30
LONG: 126°42.99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: FRSO CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	150					
1	145	1153	1.421	157	✓ 154			✓	✓						✓			
2	146	1158	1.417	150	✓													
3	147	1171	1.537	125	✓													
4	148	1174	1.377	100	✓													
5	149	1175	2.923	75	✓									✓				
6	150	1176	4.624	50	✓													
7	151	1188	4.179	30	✓													
8	152	1189	4.545	20	✓													
9	153	1191	5.058	10	✓													
10	154	1192	6.914	0	✓ 16			✓	✓					✓				
11																		
12																		
13																		
14																		
15																		
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17																		
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20																		
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22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 159

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2149
Bottom:		2152
End:		2201

START POSITION (GPS)
LAT: 5103.800
LONG: 126 44.605

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 5103.75
LONG: 126 44.49

ROSETTE LOG

MISSION ID: 2002-10STATION: SE07CAST NUMBER: 25UTC DATE (dd/mm/yyyy): 18/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	155	1193	3.257	107.5	✓ 246	✓		✓						✓				
2	156	1194	3.232	225	✓ 225	✓												
3	157	1195	3.196	200	✓ 200													
4	158	1201	3.174	175	✓ 175													
5	159	1203	3.178	150	✓ 150													
6	160	1206	3.116	125	✓ 125									✓				
7	161	1209	3.768	100	✓ 100													
8	162	1210	4.183	75	✓ 75													
9	163	1212	3.996	50	✓ 50													
10	164	1215	3.814	30	✓ 30													
11	165	1216	4.512	20	✓ 20													
12	166	1222	5.298	10	✓ 10													
13	167	1223	7.094	0	✓ 0	✓		✓						✓				
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY: 248

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2312

Bottom:

End:

START POSITION (GPS)

LAT: 5106.040LONG: 126 44.751

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: SE7A

CAST NUMBER: 27

UTC DATE (dd/mm/yyyy): 19/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	168	1233	3.166	365	✓ 365	✓	✓	✓										
2	169	1235	3.216	340	✓ 340	✓												
3	170	1237	3.212	300	✓ 300	✓												
4	171	1238	3.213	250	✓ 250													
5	172	1241	3.197	250	✓ 250													
6	173	1243	3.150	200	✓ 200													
7	174	1244	3.130	175	✓ 175													
8	175	1247	3.060	150	✓ 150													
9	176	1248	2.961	125	✓ 125													
10	177	1249	3.088	100	✓ 100													
11	178	1254	3.191	75	✓ 75													
12	179	1256	3.417	50	✓ 50													
13	180	1258	3.584	30	✓ 30													
14	181	1260	4.779	20	✓ 20													
15	182	1261	5.741	10	✓ 10													
16	183	1264	7.292	0	✓ 0		✓	✓										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 374

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0004

Bottom:

End:

START POSITION (GPS)

LAT: 5108.173

LONG: 12641.493

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: SE08

CAST NUMBER: 29

UTC DATE (dd/mm/yyyy): 19/04/2002

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	184	1267	2.903	135	✓ 132		✓											
2	185	1268	2.864	125	✓ 125													
3	186	1270	2.797	100	✓ 100													
4	187	1271	2.758	75	✓ 75													
5	188	1272	3.173	50	✓ 50													
6	189	1273	3.237	30	✓ 30													
7	190	1274	5.071	20	✓ 20													
8	191	1275	5.838	10	✓ 10													
9	192	1276	7.975	0	✓ 0		✓											
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 145

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0113

Bottom:

End:

START POSITION (GPS)

LAT:5110.894

LONG:12639.538

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: A503

CAST NUMBER: 32

UTC DATE (dd/mm/yyyy): 19/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	150				
1	193	84	.059	135	✓ 131			✓						✓				
2	194	255	.049	125	✓ 125			✓										
3	195	364	.071	100	✓			✓										
4	196	392	.247	75	✓								✓					
5	197	534	.436	50	✓													
6	198	535	2.425	30	✓													
7	199	572	2.782	20	✓													
8	200	588	2.525	10	✓													
9	201	632	8.884	0	✓ 16			✓					✓					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: nearest vessel from nearest station, ship

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 135

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1830

Bottom:

End:

START POSITION (GPS)

LAT: 5110.026

LONG: 12656.787

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: 1802

CAST NUMBER:

34

UTC DATE (dd/mm/yyyy):

19/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	202	657	1.721	105	✓ 100			✓	✓								✓	
2	203	695	2.000	75	✓ 75			✓	✓									
3	204	697	2.024	75	✓ 75			✓	✓									
4	205	707	3.686	30	✓ 50												✓	
5	206	708	3.966	30	✓ 30													
6	207	709	3.454	20	✓ 20													
7	208	712	3.721	10	✓ 10													
8	209	715	8.668	0	✓ 0			✓	✓								✓	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1938

Bottom:

End:

START POSITION (GPS)

LAT: 51 10.189

LONG: 126 02.475

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: A501 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 19/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	150			
1	210	727	1.665	150	✓ 148	✓		✓						✓		
2	211	730	1.663	125	✓ 125	✓										
3	212	1105	1.652	100	✓ 100											
4	213	1110	1.827	75	✓ 75									✓		
5	214	1126	4.070	50	✓ 50											
6	215	1128	4.260	30	✓ 30											
7	216	1130	3.861	20	✓ 20											
8	217	1134	3.884	10	✓ 10											
9	218	1135	8.560	0	✓ 0			✓	✓					✓		
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: nutrient bottles should read A501 not A503

SHIP:
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 152

Cast # down:
 Cast # up:

Time LOC UTC
 Begin: 2014
 Bottom:
 End:

START POSITION (GPS)
 LAT: 51 10.097
 LONG: 126 05.273

BOTTOM POSITION (GPS)
 LAT:
 LONG:

END POSITION (GPS)
 LAT:
 LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: BE07 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 19/04/2002.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	150					
1	219	1142	3.737	238	✓ 238		✓	-					✓					
2	220	1146	3.735	225	✓ 225													
3	221	1148	3.863	200	✓ 200													
4	222	1153	3.846	200	✓ 200													
5	223	1158	3.875	175	✓ 175													
6	224	1171	3.833	150	✓ 150								✓					
7	225	1174	2.858	110	✓ 110													
8	226	1175	1.421	85	✓ 85													
9	227	1176	.990	75	✓ 75													
10	228	1188	1.162	50	✓ 50													
11	229	1189	2.077	30	✓ 30													
12	230	1191	2.656	20	✓ 20													
13	231	1192	4.437	10	✓ 10													
14	232	1193	8.172	0	✓ 0		✓	✓					✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector.
ENTERED BY:
CHECKED BY:

Bottom Depth: 245

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2202
Bottom:		
End:		

START POSITION (GPS)
LAT: 5106.305
LONG: 126 55.718

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: BE06 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 19/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	ISO				
1	233	1194	3.454	327	✓ 327	✓		✓						✓				
2	234	1195	3.533	300	✓ 300	✓												
3	235	1201	3.778	250	✓ 250													
4	236	1203	3.796	225	✓ 225													
5	237	1206	3.845	200	✓ 200													
6	238	1209	3.857	175	✓ 175								✓					
7	239	1210	3.309	125	✓ 125													
8	240	1212	2.998	100	✓ 100													
9	241	1215	2.518	65	✓ 65													
10	242	1216	2.085	50	✓ 50													
11	243	1222	2.659	30	✓ 30													
12	244	1223	4.455	20	✓ 20													
13	245	1224	5.170	10	✓ 10													
14	246	1225	7.632	0	✓			✓	✓					✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 329

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2305
Bottom:		
End:		

START POSITION (GPS)
LAT: 5106.569
LONG: 127 02.138

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-10

STATION: BE05

CAST NUMBER: 42

UTC DATE (dd/mm/yyyy): 20/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	ISO					
1	247		3.714	277	✓276			✓	✓						✓			
2	248		3.709	250	✓250													
3	249		3.807	200	✓200													
4	250		3.535	140	✓140													
5	251		3.534	140	✓140													
6	252		3.924	85	✓85													
7	253		3.811	75	✓175									✓				
8	254		3.472	50	✓50													
9	255		5.239	30	✓30													
10	256		5.565	20	✓20													
11	257		5.103	10	✓10													
12	258		7.289	10	✓10			✓	✓					✓				not pickled right away.
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 276

Cast # down:

Cast # up:

TimeLOCUTC

Begin:00:21

Bottom:

End:

START POSITION (GPS)

LAT:51 07.158

LONG:127 08.514

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-10 STATION: Beø1 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 20/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	259		4952	225	✓ 200			✓	✓						✓			
2	260		4993	190	✓ 190													
3	261		4965	175	✓ 175													
4	262		5022	150	✓ 150													
5	263		5333	125	✓ 125													
6	264		5619	100	✓ 100										✓			
7	265		5799	75	✓ 75													
8	266		5957	45	✓ 45													
9	267		6048	30	✓ 30													
10	268		6126	10	✓ 10													
11	269		6573	0	✓ 0			✓	✓						✓			
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 221

Cast # down:
 Cast # up:

Time LOC UTC
 Begin: 0246
 Bottom:
 End:

START POSITION (GPS)
 LAT: 51 07.767
 LONG: 12 734.224

BOTTOM POSITION (GPS)
 LAT:
 LONG:

END POSITION (GPS)
 LAT:
 LONG:

Comments: _____

ROSETTE LOG

MISSION ID: 2002-10

STATION: BF02

CAST NUMBER: 46

UTC DATE (dd/mm/yyyy):

20/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	270		4.160	190	✓ 188			✓	✓								✓	
2	271		3.960	175	✓ 175													
3	272		4.607	150	✓ 150													
4	273		5.050	125	✓ 125													
5	274		5.538	100	✓ 100												✓	
6	275		5.724	75	✓ 75													
7	276		5.498	50	✓ 50													
8	277		5.927	30	✓ 30													
9	278		6.049	20	✓ 20													
10	279		6.065	10	✓ 10													
11	280		6.744	0	✓ 0			✓	✓								✓	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 190

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0347
Bottom:		
End:		

START POSITION (GPS)

LAT: 51 07.916

LONG: 127 30.452

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2000-10

STATION: BE3

CAST NUMBER:

48

UTC DATE (dd/mm/yyyy):

20/04/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	281		3.582	275	✓ 271	✓		✓										
2	282		3.629	250	✓ 250													
3	283		3.723	200	✓ 200													
4	284		3.819	175	✓ 175													
5	285		4.102	150	✓ 150													
6	286		4.087	150	✓ 150													
7	287		4.402	125	✓ 125													
8	288		4.786	100	✓ 100													
9	289		5.242	75	✓ 75													
10	290		5.035	50	✓ 50													
11	291		5.724	30	✓ 30													
12	292		6.008	20	✓ 20													
13	293			10	✓ 10													
14	294		6.554	0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 290

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0447

Bottom:

End: 0508

START POSITION (GPS)

LAT: 5107.852

LONG: 127 22.183

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

10.08 10.03

1013324 10.724