

ROSETTE LOG

MISSION ID: 2002-04STATION: F: SCAST NUMBER: 001

UTC DATE (dd/mm/yyyy):

24/01/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		SPM		ALK		CHL					
1	1		6.110	335	✓ bot-5	✓	✓	✓✓	✓									1000
2	2		5.897		✓ 250	✓		1	1				1					967
3	3		5.856		✓ 200	✓												✓
4	4		5.816		✓ 175													.972
5	5		5.851		✓ 150													.994
6	6		5.868		✓ 125													✓
7	7		5.915		✓ 100													✓
8	8		5.975		✓ 75													✓ none
9	9		6.010		✓ 50				1				✓					✓ poor
10	10		6.016		✓ 30				Sample				✓					✓
11	11		5.966		✓ 20								✓					✓
12	12		6.171		✓ 10			1	1	1			✓					✓
13	13		6.342		✓ 0			✓	✓✓	✓			✓					1129
14																		
15																		
16																		
17																		
18																		N 0-30
19																		S 0-60 110
20																		PA 0-6
21																		
22																		
23																		
24																		

Comments:

* NO SPM sample from bottle #10

SHIP: VECTORENTERED BY: DJS

CHECKED BY:

Bottom Depth: 347Cast # down: 001

Cast # up:

Time LOC UTC

Begin: 2022Bottom: 2031End: 2050

START POSITION (GPS)

LAT: 50° 47.08LONG: 126° 37.12

BOTTOM POSITION (GPS)

LAT: 47.06LONG: 37.19

END POSITION (GPS)

LAT: 47.01LONG: 37.36

104 0-56

Si 30-55 75 110

NO3 0-30 40

ROSETTE LOG

MISSION ID: 2002

STATION: PPI

CAST NUMBER: 002

UTC DATE (dd/mm/yyyy): 24/01/2002

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	14		5.567	136	✓ 60.5													974
2	15		5.664		✓ 125													989
3	16		5.803		✓ 100													1006
4	17		5.820		✓ 75													✓
5	18		5.900		✓ 50			✓				✓						✓
6	19		5.760		✓ 30							✓						✓
7	20		5.671		✓ 20							✓						1000
8	21		6.059		✓ 10							✓						✓
9	22		6.659		0							✓						1205
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 149

Cast # down: 002

Cast # up:

Time	LOC	UTC
Begin:		2142
Bottom:		2145
End:		2156

START POSITION (GPS)

LAT: 50° 48.80

LONG: 126° 31.53

BOTTOM POSITION (GPS)

LAT: 48.78

LONG: 31.52

END POSITION (GPS)

LAT: 48.74

LONG: 31.53

ROSETTE LOG

MISSION ID: 2002-04

STATION: SC

CAST NUMBER: 003

UTC DATE (dd/mm/yyyy): 24/01/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL			NUT		TCO		C13					
							OXY		SPH		ALK		CHL					
1	23		2.973	227	✓ 604.5	✓												.541
2	24		3.051		✓ 175	✓			✓									✓
3	25		3.314		✓ 150													✓
4	26		3.749		✓ 125													✓
5	27		4.787		✓ 100													.862
6	28		5.404		✓ 75													✓
7	29		5.428		✓ 50								✓					✓
8	30		5.502		✓ 30								✓					✓
9	31		5.601		✓ 20								✓					1.013
10	32		5.722		✓ 10				✓				✓					✓
11	33		6.648		0								✓					1.196
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Q1

25/01/2002

END POSITION (GPS)	
LAT:	50.84
LONG:	56.45

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ROSETTE LOG

MISSION ID: 2002-04

STATION: QCS2

CAST NUMBER: 005

UTC DATE (dd/mm/yyyy): 25/01/2002

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	44		5.550	213	✓	60+-5			✓									.981
2	45		5.762		✓	175												✓
3	46		5.874		✓	150												1.034
4	47		6.085		✓	125												1.009
5	48		6.222		✓	100												1.013
6	49		6.072		✓	75												1.011
7	50		6.234		✓	50							✓					1.044
8	51		6.166		✓	30							✓					✓
9	52		6.267		✓	20							✓					1.050
10	53		6.263		✓	10							✓					1.112
11	54		6.264		✓	0			✓				✓					1.095
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 223

Cast # down: 005

Cast # up:

Time	LOC	UTC
Begin:		0206
Bottom:		0212
End:		0226

START POSITION (GPS)

LAT: 50° 46.63

LONG: 127° 2.35

BOTTOM POSITION (GPS)

LAT: 46.59

LONG: 2.34

END POSITION (GPS)

LAT: 46.50

LONG: 2.46

ROSETTE LOG

DT

MISSION ID: 2002-04 STATION: QCS1 CAST NUMBER: 006 UTC DATE (dd/mm/yyyy): 25/01/2002

				ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
							OXY		SPM		ALK		CHL						
1	55		5.982	146	✓ 60+5	✓												✓	logged JS1 Event 7
2	56		6.026		✓ 125													✓	
3	57		6.038		✓ 100													✓	
4	58		6.029		✓ 75													✓	
5	59		6.022		✓ 50								✓					✓	
6	60		6.039		✓ 30								✓					✓	1.092
7	61		6.034		✓ 20			✓					✓					✓	
8	62		6.062		✓ 10	✓							✓					✓	
9	63				0								✓						Cracked
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
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24																			

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 157

Cast # down: 006

Cast # up:

Time	LOC	UTC
Begin:		0353
Bottom:		0358
End:		0408

START POSITION (GPS)

LAT: 50° 40.00

LONG: 126° 46.33

BOTTOM POSITION (GPS)

LAT: 40.02

LONG: 46.34

END POSITION (GPS)

LAT: 37.99

LONG: 46.35

Comments:

ROSETTE LOG

MISSION ID: 2002-04

STATION: JS1

CAST NUMBER: 007

UTC DATE (dd/mm/yyyy): 25/01/2002

				ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
						OXY				ALK		CHL							
1	64	657		462	✓ 607-5	✓								First run: 513	7.566	3.148			
2	65	695	6.024		✓ 400	✓											1.051		
3	66		5.998		✓ 300	✓											1.049		
4	67		6.136		✓ 250			✓									1.014		
5	68		6.032		✓ 200												1.042		
6	69		5.996		✓ 125												1.028		
7	70		5.948		✓ 150												✓		
8	71		5.985		✓ 125			✓									1.028		
9	72		5.919		✓ 100												1.002		
10	73		5.979		✓ 75												1.025		
11	74		5.926		✓ 50												✓		
12	75		5.987		✓ 30												.933		
13	76		5.883		✓ 20												✓		
14	77		5.900		✓ 10												✓		
15	78		5.989		0			1	1								.971		
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: VECTOR

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 466

Cast # down: 007

Cast # up:

Time	LOC	UTC
Begin:		0507
Bottom:		0516
End:		0539

START POSITION (GPS)

LAT: 50° 33.03

LONG: 126° 46.00

BOTTOM POSITION (GPS)

LAT: 33.06

LONG: 46.00

END POSITION (GPS)

LAT: 32.99

LONG: 45.84

ROSETTE LOG

MISSION ID: 2002-04 STATION: Kn 1 CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 25/01/2002

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	79		5.001	233	✓	301.5	✓											✓
2	80		4.989		✓	200	✓											.868
3	81		4.947		✓	175												✓
4	82		5.012		✓	150			✓									.902
5	83		5.071		✓	125												.917
6	84		5.150		✓	100												✓
7	85		5.279		✓	75												✓
8	86		5.347		✓	50												✓
9	87		5.537		✓	30			✓									✓
10	88		5.668		✓	20												✓
11	89		5.837		✓	10												1.057
12	90		6.018		✓	0												1.056
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 261

Cast # down: 008

Cast # up:

Time	LOC	UTC
Begin:		2013
Bottom:		2018
End:		2033

START POSITION (GPS)

LAT: 50° 38.14

LONG: 126° 25.56

BOTTOM POSITION (GPS)

LAT: 38.16

LONG: 25.56

END POSITION (GPS)

LAT: 38.15

LONG: 25.51

ROSETTE LOG

MISSION ID: 2002-04

STATION: CC2

CAST NUMBER: 009

UTC DATE (dd/mm/yyyy): 25/01/2002

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	91		5.459	64	✓	bot-5												953
2	92		5.399		✓	50	✓											✓
3	93		5.536		✓	30												960
4	94		5.681		✓	20												970
5	95		5.901		✓	10												1009
6	96		6.148		✓	0												1058
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
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18																		
19																		
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22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-04

STATION: CC1

CAST NUMBER: 010

UTC DATE (dd/mm/yyyy): 25/01/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	97		5.291	103	✓ bot-5	✓												.894
2	98		5.289		✓ 75													✓
3	99		5.331		✓ 50													✓
4	100		5.553		✓ 30													✓
5	101		5.656		✓ 20													.898
6	102		5.716		✓ 10													✓
7	103		5.864		✓ 0													✓
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-04

STATION: Kn 4

CAST NUMBER: 011

UTC DATE (dd/mm/yyyy):

26/01/2002

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	104		4.697	175	✓ 604-5													1.765
2	105		4.987		✓ 125													1.808
3	106		4.935		✓ 100				✓									✓
4	107		4.988		✓ 75													1.817
5	108		5.285		✓ 50													1.894
6	109		5.425		✓ 30													✓
7	110		5.628		✓ 20													1.002
8	111		5.671		✓ 10													✓
9	112		5.948		0													1.071
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 186

Cast # down: 011

Cast # up:

Time LOC UTC

Begin: 0025

Bottom: 0030

End: 0041

START POSITION (GPS)

LAT: 50° 39.30

LONG: 126° 10.99

BOTTOM POSITION (GPS)

LAT: 39.31

LONG: 10.97

END POSITION (GPS)

LAT: 39.33

LONG: 10.99

ROSETTE LOG

MISSION ID: 2002-04

STATION: TFC 1

CAST NUMBER: 012

UTC DATE (dd/mm/yyyy): 26/01/2002

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	113		5.245	271	✓	bot-5	✓											✓
2	114		5.283		✓	250	✓											.930
3	115		5.294		✓	200												✓
4	116		5.353		✓	175			✓									.935
5	117		5.406		✓	150												.937
6	118		5.396		✓	125												✓
7	119		5.449		✓	100												.895
8	120		5.352		✓	75												.948
9	121		5.378		✓	50			✓				✓					✓
10	122		5.468		✓	30							✓					.929
11	123		5.595		✓	20							✓					✓
12	124		5.786		✓	10							✓					.986
13	125		5.928			0							✓					✓
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-04

STATION: Tr(2.5

CAST NUMBER: 013

UTC DATE (dd/mm/yyyy):

26/01/2002

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	126		5.743	281	✓	bot-5	✓											1.032
2	127		5.713		✓	250	✓											1.015
3	128		5.624		✓	200	✓											✓
4	129		5.586		✓	175												✓
5	130		5.648		✓	150												1.011
6	131		5.654		✓	125												1.020
7	132		5.754		✓	100												1.025
8	133		5.892		✓	75												1.056
9	134		5.884		✓	50												1.058
10	135		5.855		✓	30												1.054
11	136		5.866		✓	20												1.059
12	137		5.980		✓	10												1.061
13	138		6.098		✓	0												✓
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: OJS

CHECKED BY:

Bottom Depth: 295

Cast # down: 013

Cast # up:

Time LOC UTC

Begin: 0333

Bottom: 0340

End: 0355

START POSITION (GPS)

LAT: 50° 50.35

LONG: 126° 19.74

BOTTOM POSITION (GPS)

LAT: 50.37

LONG: 19.73

END POSITION (GPS)

LAT: 50.35

LONG: 19.65

ROSETTE LOG

MISSION ID: 2002-04 STATION: K10 CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 26/01/2002

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	139		2.711	399	✓ 60-5	✓												✓
2	140		2.765		✓ 300	✓												✓
3	141		2.757		✓ 250	✓												✓
4	142		2.974		✓ 200													.528
5	143		3.085		✓ 175													✓
6	144		3.332		✓ 150													✓
7	145		4.039		✓ 125													.725
8	146		4.502		✓ 100													.803
9	147		5.717		✓ 75													✓ poor
10	148		5.619		✓ 50													.987
11	149		5.455		✓ 30													.919
12	150		5.507		✓ 20													.895
13	151		5.657		✓ 10													.940
14	152		6.763		✓ 0													1.131
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 403

Cast # down: 014

Cast # up:

Time	LOC	UTC
Begin:		0528
Bottom:		0536
End:		0553

START POSITION (GPS)

LAT: 50° 51.71

LONG: 126° 37.16

BOTTOM POSITION (GPS)

LAT: 51.70

LONG: 37.20

END POSITION (GPS)

LAT: 51.75

LONG: 37.25

ROSETTE LOG

MISSION ID: 2002-04 STATION: K13 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 26/01/2002

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	153		2.501	190	✓	bot-5												✓
2	154		2.581		✓	175												✓
3	155		2.895		✓	150												✓
4	156		3.203		✓	125												✓
5	157		3.716		✓	100												✓
6	158		3.831		✓	75												✓
7	159		3.965		✓	50												✓
8	160		4.156		✓	30			✓									✓
9	161		4.687		✓	20											.851	
10	162		5.118		✓	10											.926	
11	163		5.909		✓	0												✓
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 200

Cast # down: 015

Cast # up:

Time	LOC	UTC
Begin:		1509
Bottom:		1514
End:		1528

START POSITION (GPS)

LAT: 56° 54.91

LONG: 126° 14.73

BOTTOM POSITION (GPS)

LAT: 54.90

LONG: 14.74

END POSITION (GPS)

LAT: 54.93

LONG: 14.70

ROSETTE LOG

MISSION ID: 2002-04 STATION: K1415 CAST NUMBER: 016 UTC DATE (dd/mm/yyyy): 26/01/2002

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	164		2.689	474	✓	bot-5	✓											✓
2	165		2.498		✓	400	✓											1.439
3	166		2.415		✓	300	✓											✓
4	167		2.636		✓	250			✓									✓
5	168		3.010		✓	200												✓
6	169		3.153		✓	175												✓
7	170		3.255		✓	150												✓
8	171		3.660		✓	125			✓									✓
9	172		4.019		✓	100												✓
10	173		5.616		✓	75												1.889
11	174		5.1365		✓	50							✓					✓
12	175		4.709		✓	30							✓					✓
13	176		5.157		✓	20							✓					✓
14	177		5.379		✓	10							✓					✓
15	178		6.559		✓	0							✓					✓
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 481

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1709
Bottom:		1719
End:		1743

START POSITION (GPS)

LAT: 50° 56.19

LONG: 126° 28.90

BOTTOM POSITION (GPS)

LAT: 56.20

LONG: 28.92

END POSITION (GPS)

LAT: 56.20

LONG: 28.90

ROSETTE LOG

MISSION ID: 2002-04 STATION: JE 3 CAST NUMBER: 017 UTC DATE (dd/mm/yyyy): 28/01/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			UVC	ALK		CHL					
1	179		2.946	673	✓ bot-5	✓												✓
2	180		2.609		✓ 600	✓												✓
3	181		2.594		✓ 500	✓				✓								✓
4	182		2.601		✓ 400	✓		✓		✓								✓
5	183		2.500		✓ 300	✓				✓								✓
6	184		2.272		✓ 250													✓
7	185		1.836		✓ 200					✓								✓
8	186		1.879		✓ 175												1.343	
9	187		2.297		✓ 150												1.420	
10	188		3.303		✓ 125													✓
11	189		3.971		✓ 100					✓								✓
12	190		4.485		✓ 75													✓
13	191		4.661		✓ 50			✓		✓								✓
14	192		5.690		✓ 30												1.961	
15	193		5.859		✓ 20					✓								✓
16	194		6.189		✓ 10													✓
17	195		6.288		✓ 0													✓ O ₂ high
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY: DJS
 CHECKED BY:

Bottom Depth: 686

Cast # down: 017

Cast # up:

Time	LOC	UTC
Begin:		1228
Bottom:		1241
End:		1311

START POSITION (GPS)
 LAT: 49° 48.31
 LONG: 124° 02.40

BOTTOM POSITION (GPS)
 LAT: 48.31
 LONG: 02.39

END POSITION (GPS)
 LAT: 48.33
 LONG: 02.45

Comments:

ROSETTE LOG

MISSION ID: 2602-04 STATION: SAAN CAST NUMBER: 018 UTC DATE (dd/mm/yyyy): 28/01/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		uK		ALK		CHL					
1	196	84	0.0	202	✓ bot-5	✓			✓									bubble H2S
2	197	255	.024		✓ 175	✓							not shaken properly					
3	198	364	.035		✓ 150	✓			✓									
4	199	392	.057		✓ 125													large bubble
5	200	443	.217		✓ 100				✓									large bubble
6	201	534	4.825		✓ 75				✓									bubble
7	202	535	5.163		✓ 50			✓	✓				not shaken properly					
8	203	572	4.848		✓ 30								not shaken					
9	204	588	4.935		✓ 25				✓									bubble
10	205	632	4.996		✓ 20													
11	206	657	5.644		✓ 10													
12	207	695	6.384		✓ 0								not shaken properly					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 217

Cast # down: 018
Cast # up:

Time	LOC	UTC
Begin:		2243
Bottom:		2248
End:		2303

START POSITION (GPS)
LAT: 48° 37.30
LONG: 123° 29.96

BOTTOM POSITION (GPS)
LAT: 37.30
LONG: 29.95

END POSITION (GPS)
LAT: 37.29
LONG: 29.89