

ROSETTE LOG

MISSION ID: 2001-13 STATION: JFO1 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 2001/05/20

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												PAR
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	Sei					
1	1	84	2024	183	✓			✓										.54
2	2	255	2062	175	✓			✓										.54
* 3	3	337	2068	150	✓			✓										.54
4	4	364	2192	125	✓			✓										.54
5	5	392	2.637	100	✓			✓										.54
6	6	443	3646	75	✓			✓										.54
7	7	486	4482	50	✓			✓										.56
• 8	8	534	5.381	40	✓			✓				✓	✓					.61
9	9	535	4632	40	✓			✓				✓	✓					.61
• 10	10	572	6.290	25	✓			✓				✓	✓					1.52
11	11	588	6.262	25	✓			✓				✓	✓					1.50
• 12	12	632	6.314	15	✓			✓				✓	✓					6.93
13	13	650	6338	15	✓			✓				✓	✓					6.54 par.
• 14	14	657	6894	10	✓			✓										21.48
15	15	695	6.289	10	✓			✓										19.96
• 16	16	697	6.281	5	✓			✓										60.48
17	17	707	6.245	5	✓			✓										63.60
• 18	18	708	6.253	2	✓			✓										126.24
19	19	709	6.285	2	✓			✓										128.33
20																		
21																		
22																		
23																		
24																		

Comments: * only plastic nutrient tubes (2) were sampled

SHIP:
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 193

Cast # down:
 Cast # up:

Time	LOC	UTC
Begin:		1337
Bottom:		
End:		

START POSITION (GPS)
 LAT: 48 20.76
 LONG: 124 12.36

BOTTOM POSITION (GPS)
 LAT:
 LONG:

END POSITION (GPS)
 LAT:
 LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: JF1A CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 20/05/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												PAR
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	21	712	1.984	196.6	✓ 196.	✓	✓											.54
2	22	715	1.967	173.3	✓ 175	✓	✓											.54
3	23	727	5.162	23.6	✓ 23		✓											6.6
4	24			23.1	✓ 23													6.7
5	25			23.1	✓ 23													6.8
6	26	730	5.314	14.5	✓ 14		✓											18.3
7	27			14.5	✓ 14													18.1
8	28			14.3	✓ 14													17.8
9	29	1105	6.467	5.7	✓ 6		✓											143.9
10	30			5.3	✓ 6													79.2
11	31			6.0	✓ 6													80.0
12	32	1110	6.427	4.2	✓ 4		✓											347.5
13	33			4.8	✓ 4													259.1
14	34			5.0	✓ 4													143.5
15	35			4.8	✓ 4													194.0
16	36			4.0	✓ 4													400.1
17	37			4.3	✓ 4													272.8
18	38			3.0	0													460.0
19	39			3.0	0													784.1
20	40			3.1	0													1117.3
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 205

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1520.
Bottom:		1
End:		

START POSITION (GPS)
LAT: 48 23.05
LONG: 124 20.41

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: B7 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 21/5/2001

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	41	1110	3.577	Bottom-5	74.		X											
2	42	1126	4.282	50	50		X											
3	43	1128	6.601	30	30		X											
4	44	1130	7.060	20	20		X											
5	45	1134	7.136	10	10		X											
6	46	1135	7.207	0	0		X											
7																		
8																		
9																		
10																		
11																		
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24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 80

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0914

Bottom:

End:

START POSITION (GPS)

LAT: 48 32 01

LONG: 125 35 48

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

Rosette #

MISSION ID: 2001-13 STATION: B7 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 21/5/2001.

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				Bottoms														
2				50														
3				30														
4				30														
5				30														
6				25														
7				25														
8				25														
9				20														
10				20														
11				20														
12				10														
13				10														
14				10														
15				5														
16				5														
17				5														
18				0														
19				0														
20				0														
21																		
22																		
23																		
24																		

Comments: Water samples for Adriën

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		09 58
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 32 00
LONG: 125 35 57

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: A1 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 21/05/2001.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SE	PD				
1	47	84	532	Bottom ¹⁰	✓	561	✓	✓	✓									
2	48	255	758	400	✓		✓	✓	✓									
3	49	337	1.496	300	✓		✓	✓	✓									182
4	50	364	1.692	250	✓			✓	✓									
5	51	392	1.891	200	✓			✓	✓									
6	52	443	2.883	175	✓			✓	✓									
7	53	486	2.856	150	✓			✓	✓									
8	54	534	3.364	125	✓			✓	-									
9	55	535	4.804	100	✓			✓	✓									near endpoint
10	56	572	6.501	75	✓			✓	✓									
11	57	588	6.786	55	✓			✓	✓									
12	58			55	✓							✓	✓	✓				
13	59	632	6.902	38	✓			✓	✓									
14	60			38	✓							✓	✓	-				
15	61	650	6.891	22	✓			✓	✓									
16	62			22	✓							✓	✓	-				
17	63	657	6.916	9	✓			✓	-									
18	64			9	✓							✓	✓	✓				
19	65	695	6.804	5	✓			✓	✓									
20	66			5	✓							✓	✓	✓				
21	67	697	6.786	0	✓			✓	-									
22	68			0	✓							✓	-	✓				
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 532

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1339
Bottom:		
End:		1418

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 4830.990
LONG: 12612.031

ROSETTE LOG

MISSION ID: 2001-13 STATION: LC12 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 22/05/2001

				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	69			2450			✓												
2	70			2450															
3																			
4																			
5																			
6																			
7																			
8																			
9																			
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		2358
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: LC11 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 22/05/2001

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	70			1330	✓ 1472	✓	✓											
2	71			1200	✓	✓												
3	72			1000	✓	✓												
4	73			800	✓													
5	74			600	✓													
6	75			500	✓													
7	76			400	✓													
8	77			300	✓													
9	78			250	✓													
10	79			200	✓													
11	80			175	✓													
12	81			150	✓													
13	82			125	✓													
14	83			100	✓													
15	84			75	✓													
16	85			50	✓								✓					
17	86			30	✓								✓					
18	87			20	✓								✓					
19	88			10	✓								✓					
20	89			5	✓		✓						✓					
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 1450

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0250
Bottom:		0325
End:		0412

START POSITION (GPS)
LAT: 4818.93
LONG: 12626.69

BOTTOM POSITION (GPS)
LAT: 4818.956
LONG: 12626.676

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: LCO 9 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 22 May 2001

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	90	70		611	✓ 605													
2	91	71		500	✓ 500													
3	92	72		400	✓ 399													
4	93	73		300	✓ 300													
5	94	74		250	✓ 250													
6	95	75		200	✓ 200													
7	96	76		175	✓ 175													
8	97	77		150	✓ 150													
9	98	78		125	✓ 125													
10	99	79		100	✓ 100													
11	100	80		75	✓ 75													
12	101	81		50	✓ 50													
13	102	82		30	✓ 30													
14	103	83		20	✓ 20													
15	104	84		10	✓ 10													
16	105	85		0	✓ 2													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 610

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0645
Bottom:		0658
End:		

START POSITION (GPS)

LAT: 48 25.90

LONG: 126 13.65

BOTTOM POSITION (GPS)

LAT: 48 25.93

LONG: 126 13.94

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13

STATION: LCØ7

CAST NUMBER: 0029

UTC DATE (dd/mm/yyyy): 22 May 2001

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		Bottom-10	116	✓ 116													
2	107		125	116	✓ 116													
3	108		100	100	✓ 100													
4	109		75	75	✓ 75													
5	110		50	50	✓ 50													
6	111		30	30	✓ 30													
7	112		20	20	✓ 20													
8	113		10	10	✓ 10													
9	114		0	1	✓ 1		✓											
10																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 120

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		10:00
Bottom:		
End:		

START POSITION (GPS)

LAT: 48 32 90

LONG: 126 0 48

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: LCØ4 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 22 May 2001

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	115			Bot-10	✓ 158	✓	×											
2	116			150	✓	✓	×											
3	117			125	✓		×											
4	118			100	✓		×											
5	119			75	✓		×											
6	120			50	✓		×											
7	121			30	✓		×											
8	122			20	✓		×											
9	123			10	✓		×											
10	124			0	✓ 2.2		×											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
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22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 166

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1321
Bottom:		
End:		

START POSITION (GPS)

LAT: 4843.43

LONG: 12540.84

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-013 STATION: LC02 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 1503 May 22, 2001

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	125			105	✓	105.3		✓										
2	126			100	✓	100.1		✓										
3	127			75	✓			✓										
4	128			50	✓	50.1		✓	✓				✓					
5	129			30	✓	30.2		✓	✓				✓					
6	130			20	✓	20.2		✓	✓				✓					
7	131			10	✓	10.1		✓	✓				✓					
8	132			5	✓	5.4		✓										
9	133			5	✓	5.4		✓	✓				✓					
10																		
11																		
12																		
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23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 109

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1503
Bottom:		
End:		

START POSITION (GPS)

LAT: 48 48.709

LONG: 125 30.937

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 200(-13) STATION: EFFI CAST NUMBER: 37 UTC DATE (dd/mm/yyyy): May 22 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	134	84		35	✓ 36.3			✓										
2	135			20	✓ 20.1			✓										
3	136			10	✓ 10.0			✓										
4	137	392		0	✓ 1.8			✓										
5																		
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 39

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1852
Bottom:		
End:		

START POSITION (GPS)
LAT: 49° 05.508
LONG: 125° 11.590

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF2 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): May 22, 2001

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	486		65	✓		✓											
2	139			50	✓		✓											
3	140			30	✓		✓											
4	141			20	✓		✓											
5	142			10			✓											
6	143			0			✓											
7																		
8																		
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Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		19:28
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 05 002
LONG: 125 10 329

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF3 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 23/5/2001

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	144		0.	Botl - 5		117		✓										H ₂ S.
2	145		0	100		100		✓										H ₂ S.
3	146		1.084	75		75		✓										
4	147		2.241	50		50		✓										
5	148		2.607	30		30		✓										
6	149		3.001	20		20		✓										
7	150		3.591	10		10		✓										
8	151		8.089	0		0		✓										
9																		
10																		
11																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 123

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		20:00
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 04. 25
LONG: 125 09. 41

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF4 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): MAY 23 2001

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	152	727.		57	57		✓											
2	153			30	30		✓											
3	154	1105		20	20		✓											
4	155			10	10		✓											
5	156			0	0													
6																		
7																		
8																		
9																		
10																		
11																		
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23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 69

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		20:39
Bottom:		
End:		

START POSITION (GPS)

LAT: 49 03 . 06

LONG: 125 08 . 60

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001 STATION: EFF5 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): MAY 23 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	157		.048	200	199.7		✓											
2	158		.059	175	175													
3	159		.059	150	150													
4	160		.522	125	125													
5	161		2.496	100	100													
6	162		2.604	75	75													
7	163		2.862	50	50													
8	164		3.074	30	30													
9	165		3.208	20	20													
10	166		3.727	10	10													
11	167		7.275	0			✓											
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 207

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		21:00
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 02.53
LONG: 125 09.16

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF6 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 2001-05-23

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	168			Bottom - 5	150		✓											
2	169			125	125													
3	170			100	100													
4	171			75	74.5													
5	172			50	50													
6	173			30	30													
7	174			20	20													
8	175			10	10													
9	176			0	0		✓											
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 153

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		21:39
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 01.80
LONG: 125 09.18

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF7 CAST NUMBER: 43 UTC DATE (dd/mm/yyyy): MAY 23 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	177			Bot - 5	115		/											
2	178			100	100.6		/											
3	179			75	75		/											
4	180			50	50		/											
5	181			30	30		/											
6	182			20	20		/											
7	183			10	10		/											
8	184	1198		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: 120

Cast # down:

Cast # up:

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

START POSITION (GPS)

LAT: 49 01.23

LONG: 125 09.42

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF8 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): May 23 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	185			Bot-5	81													
2	186			75	75													
3	187			50	49.7													
4	188			30	29.8													
5	189			20	20													
6	190			10	10													
7	191			0	0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully.
ENTERED BY:
CHECKED BY:

Bottom Depth: 89

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		22:37
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 00.68
LONG: 125 10.22

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF9 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): May 23 2001

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	192			Bot-5	✓	60		✓														
2	193			50	✓	50		✓														
3	194			30	✓	30		✓														
4	195			20	✓	20		✓														
5	196			10	✓	10		✓														
6	197			0	✓	2		✓														
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
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16																						
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19																						
20																						
21																						
22																						
23																						
24																						

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 64

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2300
Bottom:		
End:		

START POSITION (GPS)

LAT: 4900.11

LONG: 12510.85

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: EFF10 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): May 23 2001

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	198			bot-5	✓ 95		✓											
2	199			75	✓ 75		✓											
3	200			50	✓ 50		✓											
4	201			30	✓ 30		✓											
5	202			20	✓ 20		✓											
6	203			10	✓ 10		✓											
7	204			0	✓ 2		✓											
8																		
9																		
10																		
11																		
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17																		
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20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 10 /.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2322
Bottom:		
End:		

START POSITION (GPS)

LAT: 49 00.10

LONG: 125 11.26

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-013 STATION: EFF11 CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 23 May 2001

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			107-5	✓ 81		✓											
2	206			75	✓ 75		✓											
3	207			50	✓ 50		✓											
4	208			30	✓ 30		✓											
5	209			20	✓ 20		✓											
6	210			10	✓ 10		✓											
7	214			0	✓ 2		✓											
8																		
9																		
10																		
11																		
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22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 85

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2345
Bottom:		
End:		

START POSITION (GPS)

LAT: 48 59 09

LONG: 125 11 07

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2001-13 STATION: MU21 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 24/5/2001

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	215			116	116	✓	✓											
2	216			100	100	✓	✓											
3	217			75	75	✓	✓											
4	218			50	50		✓											
5	219			30	30		✓											
6	220			20	20		✓											
7	221			10	10		✓											
8	222			0	0		✓											
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 122

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2123
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 37 56
LONG: 126 3 59

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: M5Km CAST NUMBER: 63 UTC DATE (dd/mm/yyyy): May 24 2001

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	223			Bot - 5	163		/											
2	224			150	150		/											
3	225			125	125		/											
4	226			100	100		/											
5	227			75	75	//	/											
6	228			50	50		/											
7	229			30	30		/											
8	230			20	20		/											
9	231			10	10		/											
10	232			0	0		/											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 173

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2215
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 38 96
LONG: 126 5 54

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: MUC2 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): MAY 24th 2001

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	233	712	.126	Bot - 5	✓ 356													
2	234			300	✓	-												
3	235			250	✓	-												
4	236			200	✓	✓												
5	237			175	✓													
6	238			150	✓													
7	239			125	✓													
8	240			100	✓													
9	241			75	✓													
10	242			50	✓													
11	243	1135		30	✓													
12	244	1136		20	✓													
13	245	1137		10	✓													
14	246			0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 366 (360)

Cast # down: 64

Cast # up: 64

TimeLOCUTC

Begin: 2316

Bottom:

End:

START POSITION (GPS)

LAT: 49° 40.18'

LONG: 126° 09.39'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: MUC3 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 25/05/2001

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	247	1141	1110	305	✓ 366													
2	248			300	✓ 300	✓												
3	249			250	✓ 250	✓												
4	250			200	✓ 200	✓												
5	251			175	✓ 175													
6	252			150	✓ 150													
7	253			125	✓ 125													
8	254			100	✓ 100													
9	255			75	✓ 75													
10	256			50	✓ 80													
11	257			30	✓ 30													
12	258			20	✓ 20													
13	259			10	✓ 10													
14	260			0	✓ 2													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 340.

Cast # down: 65
Cast # up:

Time LOC UTC
Begin:
Bottom: 0033
End:

START POSITION (GPS)
LAT: 49 39 03
LONG: 126 14 38

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: Muc4 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 25 May 2001

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	261			Bottom - 5	✓ 287													
2	262			250	✓	✓												
3	263			200	✓	✓												
4	264			175	✓													
5	265			150	✓													
6	266			125	✓													
7	267			100	✓													
8	268			75	✓													
9	269			50	✓													
10	270			30	✓													
11	271			20	✓													
12	272			10	✓													
13	273			0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 291

Cast # down: 66
Cast # up: 66

Time LOC UTC
Begin: 0132
Bottom:
End:

START POSITION (GPS)
LAT: 49° 38.99'
LONG: 126° 20.73'

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: MUC5 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 25/05/2001

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	274			3-5	✓ 189													
2	275			200	✓ 189													
3	276			175	✓ 175													
4	277			150	✓ 150													
5	278			125	✓ 125													
6	279			100	✓ 100													
7	280			75	✓ 75													
8	281			50	✓ 50													
9	282			30	✓ 30													
10	283			20	✓ 20													
11	284			10	✓ 10													
12	285	1235		0	✓ 2													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 212

Cast # down: 67
Cast # up: 67

Time LOC UTC
Begin:
Bottom: 0235
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49.39.02
LONG: 126.28.48

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: TLV1 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 25/05/2001

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	286			80-5	✓ 253	✓												
2	287			200	✓	✓												
3	288			175	✓													
4	289			150	✓													
5	290			125	✓													
6	291			100	✓													
7	292			75	✓													
8	293			50	✓													
9	294			30	✓													
10	295			20	✓													
11	296			10	✓													
12	297			0	✓ 2.5													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 260

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0317
Bottom:		0324
End:		

START POSITION (GPS)
LAT: 49 41.57
LONG: 126 30.84

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2001-13 STATION: Muc6 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): 25/5/2001

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	298			100	✓ 110			✓										
2	299			75	✓			1										
3	300			50	✓													
4	301			30	✓													
5	302			20	✓													
6	303			10	✓													
7	304			5	✓													
8	305			0	✓ 2.4			1										
9								✓										
10																		
11																		
12																		
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14																		
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24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 116.

Cast # down: 69
Cast # up:

Time LOC UTC
Begin: 0436
Bottom:
End:

START POSITION (GPS)
LAT: 49 35 79
LONG: 126 35 73

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG: