

ROSETTE LOG

MISSION ID: 2002-39 STATION: BEØ1 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 16/10/2002

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		214	?													
2	2	364		200	?													
3	3	534		175	X													
4	4	535		150														
5	5	572		125														
6	6	588		100														
7	7	657		75														
8	8	695		50														
9	9	697		30														
10	10	707		20														
11	11	708		10														
12	12	709		Ø														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Rosette cast aborted CTD-only bottles would not fire.

SHIP: VECTOR

ENTERED BY: CW

CHECKED BY:

Bottom Depth: 265m

Cast # down: 02

Cast # up: 02

Time

LOC

UTC

Begin: 08:50 03:52

Bottom:

End:

START POSITION (GPS)

LAT: 51 07.696

LONG: 127 34 34

BOTTOM POSITION (GPS)

LAT: 51.07 709

LONG: 127 34 376

END POSITION (GPS)

LAT: 51 07 708

LONG: 127 34 377

10.10

.01013508

.005

.719

ROSETTE LOG

MISSION ID: 2002-39 STATION: BE02 CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 17/10/2002

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(2000)	84	3.836	185	✓	✓										0.046 ml
2	2	364	3.836	175	✓	✓										.676 426
3	3	534	3.663	150	✓											.610
4	4	535	3.646	125	✓											.659
5	5	572	3.604	100	✓											.652 ←
6	6	588	3.485	75	✓											
7	7	657	3.932	50	✓											
8	8	695	3.958	30	✓											
9	9	697	4.162	20	✓											
10	10	707	4.258	10	✓											
11	11	708		0	✗											
12																
13																
14																colourimeter is
15																having problems
16																holding its zero
17																-needing to zero it
18																with each sample
19																-clean it out-
20																quite crudely
21																-seems ok
22																
23																
24																

SHIP: VECTOR

ENTERED BY: CW

CHECKED BY: _____

Bottom Depth: 197

Cast # down: 03

Cast # up: 03

Time	LOC	UTC
Begin:		<u>04:46</u>
Bottom:		<u>04:57</u>
End:		<u>4:57</u>

START POSITION (GPS)		
LAT:	<u>51 07</u>	<u>896</u>
LONG:	<u>127 30</u>	<u>497</u>

BOTTOM POSITION (GPS)		
LAT:	<u>51 07</u>	<u>892</u>
LONG:	<u>127 30</u>	<u>513</u>

END POSITION (GPS)		
LAT:	<u>51 07</u>	<u>881</u>
LONG:	<u>127 30</u>	<u>568</u>

Comments: Surface bottle (Bot #1) did not fire.
→ problem with computer on first sample titration - renamed sample 2000 - initially 0.046 ml was added.
→ second titration of sample 1 → added 0.426 ml BUT it did not reach endpoint - upon setting endpoint
the computer crashed

ROSETTE LOG

MISSION ID: 2002-39 STATION: BE05 CAST NUMBER: 004 UTC DATE (dd/mm/yyyy): 17/oct/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	11	708	3.873	Bot-5	273											✓
2	12	709	3.448	200	200											poor low 70
3	13	715	4.049	175	175											
4	14	727	3.828	150	150											
5	15	1105	3.601	125	125											
6	16	1110	3.412	100	100											
7	17	1128	2.747	75	75											
8	18	1126	2.341	50	50											
9	19	1130	3.713	30	30											
10	20	1134	3.924	20	20											
11	21	1135	3.978	10	10											
12	22	1136	5.922	0	1											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 280
wrong it is 280

Cast # down: 04

Cast # up: 07

Time	LOC	UTC
Begin:		1420
Bottom:		1426
End:		1437

START POSITION (GPS)

LAT: 51 07.17

LONG: 127.08.89

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: sample 12 - did not go to its end point - very jumpy transmission.
Samples 11-12 are under ... 2002-39-0003 while 13-22 are under ... 2002-39-0004

ROSETTE LOG

MISSION ID:

2007-39

STATION:

ALSI

CAST NUMBER:

UTC DATE (dd/mm/yyyy):

17/10/2002

[illegible]

|SHIP:

Vectors

ENTERED BY:

CHECKED BY:

Bottom Depth: 153

Cast # down: 008

Cast # up: 

Time	LOC	UTC
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Begin: 21:40

Bottom:

End: 21:60

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 10.107

LONG: 127 02 57

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-39 STATION: AL52 CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 17/10/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	32	1176	1.512	107	107													Isotope samples Ed Reinhardt
2	33	1210	1.355	100	100													Bottom ~ 10m
3	34	1189	1.938	75	75													Mid - 75
4	35	1192	3.148	50	50													
5	36	1193	3.1044	30	30													
6	37	1195	3.463	20	20													20
7	38	1203	3.307	10	10													10
8	39	1206	5.429	0	0													0 per low %T
9	40	1207	—	Sample not taken														
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 110

Cast # down: 009

Cast # up: 009

Time	LOC	UTC
Begin:		22:11
Bottom:		
End:		

START POSITION (GPS)
 LAT: 51 10.18
 LONG: 127 247

BOTTOM POSITION (GPS)
 LAT:
 LONG:

END POSITION (GPS)
 LAT:
 LONG:

Comments: file - ... 2002-39-009-02

ROSETTE LOG

MISSION ID: 2002-39 STATION: XLS3 CAST NUMBER: 0010 UTC DATE (dd/mm/yyyy): 17/10/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	41	1188	0.128	135				✓										.032 130m~135
2	42	1212	0.037	125	125													.014
3	43	1215	0.025	100	100			✓										
4	44	1216	0.037	75	75			✓										mid-75
5	45	1222	0.139	50	50													
6	46	1223	2.344	30	30													
7	47	1224	2.468	20	20													20
8	48	1225	2.985	10	10			✓										10
9	49	1228	6.356	0	0			✓										0
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vecor
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 136

Cast # down: 0010

Cast # up: 0010

Time	LOC	UTC
Begin:		22:51
Bottom:		
End:		

START POSITION (GPS)
 LAT: 51 10.00
 LONG: 126 56.84

BOTTOM POSITION (GPS)
 LAT:
 LONG:

END POSITION (GPS)
 LAT:
 LONG:

Comments: 2002-39-0010.02

ROSETTE LOG

MISSION ID: 2002-39 STATION: Bc07 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 13/10/02

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	50	1231	3.971	285	252		✓	✓									✓	
2	51	1233	3.965	250	250		✓	✓									✓	
3	52	1235	4.033	200				✓	✓								✓	
4	53	1237	3.886	175			✓	✓							.604		.0900 (Sample no: 3-200)	
5	54	1238	3.577	150			✓	✓									✓	
6	55	1241	3.369	125			✓	✓									✓	
7	56	1244	3.419	100			✓	✓									✓	
8	57	1247	2.347	75				✓	NO								✓	
9	58	1248	0.781	50				✓	✓								✓	
10	59	1254	—	30	—		✓	✓	NO									
11	60	1256	2.030	20				✓	✓									poor low % trans
12	61	1300	2.863	10				✓	✓									poor low % trans
13	62	1301		0	no sample													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #53 - colourimeter overshoot - aborted - renamed 3000 - first titration 0.90ml added
→ computer linked a sample 4 → re-generated.
→ " sample 10 → "

SHIP: VECTAR
ENTERED BY:
CHECKED BY:

Bottom Depth: 253

Cast # down: 0013
Cast # up: 0013

Time	LOC	UTC
Begin:		0313
Bottom:		
End:		0328

START POSITION (GPS)
LAT: 51 06.30
LONG: 126 55.18

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: Be03 CAST NUMBER: 0015 UTC DATE (dd/mm/yyyy): 18/10/2002

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	63	1302	3.375	276.5	282	✓				NOTE * forgot to enter depth in program (??)								
2	64	1303		250	250	✓				no oxy sample.								
3	65	1304	3.554	200	200													
4	66	1305	3.697	175	175													
5	67	1306	3.905	150	150													
6	68	1307	3.649	125	125													
7	69	1309	3.439	100	100													
8	70	1310	3.064	75	75													
9	71	1311	3.351	50	50													
10	72	1313	3.667	30	30													
11	73	1314	3.948	20	20													
12	74	1315	3.893	10	10													
13	75	1316	6.697	0	1	✓		✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: cu

CHECKED BY:

Bottom Depth: 276

Cast # down: 0015

Cast # up: 0015

TimeLOCUTC

Begin:05:43

Bottom:05:45

End:05:

START POSITION (GPS)

LAT: 51 07 855

LONG: 127 22 217

BOTTOM POSITION (GPS)

LAT: 51 07

LONG: 127 22

END POSITION (GPS)

LAT: 51 07

LONG: 127 22

ROSETTE LOG

MISSION ID: 2002-39 STATION: Fr SØ CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 18/10/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Isotopes for Ed Reinhardt
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	76	84	0.850	155	155	✓												Bottom.
2	77	364	0.807	125	125	✓												
3	78	535	0.792	100	100													
4	4000	572	0.982	75	75	1 st Titration failed: .195												75-mrd
5	80	588	3.401	50	50													
6	81	1158	3.989	30	30													
7	82	657		20	20	-did not reach end point												20 .702
8	83	695	6.008	10	10													10
9	84	697	6.004	0	0													0.
10																		
11																		
12		5085																
13																		
14																		
15																		
16																		
17																		.012
18																		.183
19																		.195
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down: 21

Cast # up:

Time LOC UTC 0027

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 51 03.75

LONG: 126 44.48

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: Fr 57 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 19/10/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Ed Isotopes.
				Sample Depth	Confirmed pressure	SAL		NUT	DIC	TCO		C13						
							OXY		ALK		CHL							
1	85	707	0.207	235-5	241		✓											Bottom
2	86	708	0.504	200	200													
3	87	709	0.782*	185*	185				✓	✓								
4	88	715	0.947	150	150													
5	89	727	1.362	125	125													
6	90	1105	0.898	100	100													100 mid
7	91	1110	1.471	75	75													
8	92	1128	3.221	50	50													
9	93	1126	3.966	30	30													
10	94	1130	4.008	20	20													20
11	95	1134	4.571	10	10													10
12	96	1135	5.384	0	0													0
13																		
14																		
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:		0046
Bottom:		0105
End:		

START POSITION (GPS)

LAT: 51 02.76

LONG: 126 43.03

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: FrS2 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 19/10/2002

		ROSETTE OPERATION				Samples taken												Ed isotopes
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	97	1136	0.243	211-5	208	✓	✓	✓										Bottom
2	98	1137	0.061	200	200	✓												
3	99	1138	0.373	175	175													
4	100	1141	0.669	150	150													
5	101	1142	0.991	100	100													
6	102	1146	1.251	75	75													missed initially
7	103	1148	3.212	50	50													mr'd-100
8	104	1153	3.993	30	30													
9	105	1175	3.993	20	20													20
10	106	1210	3.784	10	10													10
11	107	1176	4.849	0	0													0
12	108	1189		0														Missed 125m bottle
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 214

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0141
Bottom:		
End:		

START POSITION (GPS)
LAT: 51 00.55
LONG: 126 42.25

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 7002-39 STATION: FRS3 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 19/10/2002

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	109	1192	2.395	62.5	58													Ed Isotopes.
2	110	1193	2.852	50	50													Bottom
3	111	1195	3.630	30	30													mid-30
4	112	1203	3.745	20	20													20
5	113	1206	3.613	10	10													10
6	114	1188	4.314	0	0													0
7	115	1212																
8	116	1215																
9	117	1216																
10	118	1222																
11	119	1223																
12	120	1224																
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 61

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0216
Bottom:		
End:		

START POSITION (GPS)

LAT: 5059.91'

LONG: 12643.63'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: Se 7 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 19/10/02

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	121	1225	3.025	270.5	266	✓												
2	122	1228	3.757	250	250	✓												
3	123	1231	3.038	200	200													
4	124	1233	3.046	175	175													
5	125	1235	3.069	150	150													
6	126	1237	3.369	125	125													
7	127	1238	3.600	100	100													
8	128	1241	3.715	75	75													
9	129	1244	3.643	50	50													
10	130	1247	3.288	30	30													
11	131	1248	3.606	20	20													
12	132	1256	3.769	10	10													
13	133	1300	5.463	0	1													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 266

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0435

Bottom:0445

End:0453

START POSITION (GPS)

LAT:51°05'99"

LONG:126°44.99'

BOTTOM POSITION (GPS)

LAT:51°05'98"

LONG:126°45.01'

END POSITION (GPS)

LAT:51°05'99"

LONG:126°45.05'

ROSETTE LOG

MISSION ID: _____

STATION: Se 8

CAST NUMBER: ~~27~~ 28

UTC DATE (dd/mm/yyyy): 19/10/02

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	189	1223	2.67	104.5	128													low %T
2	135	1222	2.606	100	100													low %T
3	136	1224	2.850	75	75													.066 + .402
4	137	1212	2.744	50	50					144.22								✓
5	138	1216	2.723	30	30								.536					Not taken?
6	139	1215	3.013	20	20					145.21			.536					lots of precip
7	140	1306	3.296	10	10								.549					" "
8	141	1307	5.091	0	1								.010 + .899					" "
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: _____

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 135

Cast # down: ~~0027~~

Cast # up: ~~0087~~

Time

LOC

UTC

Begin: 05:57

Bottom: _____

End: 06:06

START POSITION (GPS)

LAT: 51 11 02

LONG: 126 39 51

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: 51 11 00

LONG: 126 39 48

Comments: 136 - colourimeter off scale - added 0.052 ml - abort - renamed 3000 - attempt to redo
141 - " " "
Called 3001 and redo with flask ID 1216 (although it is really 1307) bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-39 STATION: Me54 CAST NUMBER: 0030 UTC DATE (dd/mm/yyyy): 19/10/02

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	142	84	0.486	164.5	160													
2	143	364	0.520	150	150													
3	144	535	1.189	125	125													
4	145	572	1.854	100	100													
5	146	588	2.616	75	75													
6	147	1158	2.846	50	50													
7	148	695	3.167	30	30													
8	149	657	3.046	20	20													
9	150	697	3.386	10	10													
10	151	707	6.436	0	0													
11																		
12																		
13																		
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24																		

SHIP:

ENTERED BY: CW

CHECKED BY:

Bottom Depth: 167

Cast # down: 0030

Cast # up: 0030

Time	LOC	UTC
Begin:		17:02
Bottom:		
End:		

START POSITION (GPS)

LAT: 51 11.862

LONG: 127 21.119

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: M055 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 19/10/2002

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	152	708	0.614	129.5	125													low oxy
2	153	709	0.947	100	100													
3	154	715	1.7102	75	75													
4	155	727	2.110	50	50													
5	156	1105	2.387	30	30													
6	157	1110	2.208	20	20													
7	158	1128	2.792	10	10	✓												
8	159	1126	5.928	0	0	✓												
9																		
10																		
11																		
12																		
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23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 128

Cast # down: 0033
Cast # up: 0033

Time	LOC	UTC
Begin:		1859
Bottom:		
End:		

START POSITION (GPS)
LAT: 51 11.62
LONG: 127 16.41

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: M23 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 19/10/2002

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	160	1130	2.859	84.5	86													
2	161	1134	2.856	75	75													
3	162	1135	2.975	50	50													
4	163	1136	3.398	30	30													
5	164	1137	3.562	20	20													
6	165	1138	3.779	10	10	✓												
7	166	1141	4.291	0	0	✓												
8																		
9																		
10																		
11																		
12																		
13																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 91

Cast # down: 0035
Cast # up: 0035-

Time LOC UTC
Begin: 2103
Bottom:
End:

START POSITION (GPS)
LAT: 51 11.59' N
LONG: 127 24.64' W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: MeS 2 CAST NUMBER: 0038 UTC DATE (dd/mm/yyyy): 19/10/02

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	167	1142	3.256	89-5	85			✓	✓									
2	168	1146	3.190	75	75													
3	169	1148	3.224	50	50													
4	170	1153	3.319	30	30													
5	171	1175	3.522	20	20													
6	170	1258	3.797	10	10													
7	173	1260	6.162	0	1			✓	✓									
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
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24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 93

Cast # down: 0038

Cast # up: 0038

Time

LOC

UTC

Begin: 22:05

Bottom:

End:

START POSITION (GPS)

LAT: 51 09 90

LONG: 127 25 17

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: MES1 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 20/10/2002

[illegible]

SHIP: <u>Vector</u>
ENTERED BY:
CHECKED BY:

Bottom Depth: 84

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0215
Bottom:		
End:		

START POSITION (GPS)	
LAT:	51 8.84
LONG:	127 24.78

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

Comments:

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-39 STATION: SE5 CAST NUMBER: 0042 UTC DATE (dd/mm/yyyy): 20/10/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NT		TCO		C13						
							OXY				ALK		CHL					
1	181	1273	3.231	~65-5	601	✓												✓
2	182	1274	3.298	500	500	✓												poor low % T
3	183	1276	3.315	400	400													poor low % T
4	184	1277	3.202	300	300													Same
5	185	1278	3.148	250	250													Same
6	186	1279	3.002	200	200													Same
7	187	1280	2.989	175	175													Same
8	188	1281	2.871	150	150													Same
9	189	1284	3.379	125	125													"
10	190	1287	4.298	100	100													"
11	191	1288	4.248	75	75													"
12	192	1290	4.277	50	50													"
13	193	1291	4.117	30	30													"
14	194	1286	4.053	20	20													"
15	195	1292	4.023	10	10													"
16	196	1293	6.964	0	1													"
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 1020

Cast # down: 0042
Cast # up: 0042

Time	LOC	UTC
Begin:		0608
Bottom:		0620
End:		

START POSITION (GPS)
LAT: 51 04 30
LONG: 127 00 73

BOTTOM POSITION (GPS)
LAT: 51 43 2
LONG: 122 07 4

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002.39 STATION: SE3 CAST NUMBER: 0044 UTC DATE (dd/mm/yyyy): 20/10/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUY		TCO		C13						
							OXY			ALK		CHL						
1	197	1294	3.295	~425	441	✓												near low %T
2	198	1295	3.630	300	300	✓												"
3	199	1297	3.678	250	250													"
4	200	1298	—	200	200													1030
5	201	1299	3.337	175	175													near low %T
6	202	1176	3.708	150	150													good
7	203	1189	4.008	125	125													✓
8	204	1192	4.095	100	100													✓
9	205	1195	4.172	75	75													✓
10	206	1203	4.120	50	50													near low %T
11	207	1206	4.078	30	30													good
12	208	1188	4.104	20	20													✓
13	209	1285	4.286	10	10													✓
14	210	1228	6.799	0														✓
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Note - depth for 1-5 is incorrect in file! (might be overwritten)
Depth = 455m

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 455

Cast # down: 0044

Cast # up: 0044

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 51 02 8.3

LONG: 127 15.59

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

MISSION ID: 7002-39

STATION: 572

CAST NUMBER: 46

UTC DATE (dd/mm/yyyy):

20/10/2002

SHIP: <i>Vector</i>
ENTERED BY:
CHECKED BY:

Bottom Depth: 99m

Cast # down: 0046

Cast # up: 6046

Time	LOC	UTC
Begin:		1404
Bottom:		
End:		

START POSITION (GPS)

LAT: 51 03.50

LONG: 127 23.49

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-39 STATION: NSI CAST NUMBER: 48 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	218	1247	3.146	75-5	65	✓	✓	✓								.606		Bad titration!
2	219	1248	3.377	50	50	✓	✓	✓									✓	
3	220	1256	4.137	30	30		✓	✓									✓	
4	221	1300	4.204	20	20		✓	✓									✓	
5	222	1215	5.228	10	0		✓	✓									✓	
6	223	1223	3.417	0	Missed		✓	✓									✓	
7																		
8																		
9																		
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Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 69

Cast # down: 0048

Cast # up: 0048

Time	LOC	UTC
Begin:		1507
Bottom:		
End:		1513

START POSITION (GPS)

LAT: 51 05 45

LONG: 127 25 82

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 51 05 45

LONG: 127 25 86

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ROSETTE LOG

MISSION ID: 2002-39 STATION: NS2 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 20/10/2002

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	224	1222	3.271	109	99	✓	✓	✓									✓	
2	225	1212	2.415	75	75	✓											✓	
3	226	1224	2.595	50	50												✓	
4	227	1306	2.806	30	30												✓	
5	228	1216	3.062	20	20												✓	
6	229	1307	3.483	10	10												✓	
7	230	1305	4.471	0	2												✓	
8																		
9																		
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Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 108

Cast # down: 0049

Cast # up: 0049

TimeLOCUTC

Begin:1550

Bottom:

End:

START POSITION (GPS)

LAT:51 5.33

LONG:127 20.87

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: NS3 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 20/10/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	231	84	1.026	126-5	125	✓	✓	✓										
2	232	364	1.387	100	100	✓												
3	233			75	75	Bottle 3 did not fill - no nuts, no O2												
4	234	572	2.292	30	50													
5	235	588		30	30													flask broken
6	236	1158	2.643	20	20													
7	237	1695	3.246	10	10													
8	238	535	4.049	0	1		✓	✓										
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
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23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 129

Cast # down: 6051
Cast # up: 0051

Time	LOC	UTC
Begin:		1640
Bottom:		
End:		

START POSITION (GPS)
LAT: 51.05.24
LONG: 127 13.75

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-39 STATION: NESO CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 20/10/2002

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	239	697	4.197	87.5	79		✓	✓										
2	240	704	4.149	75	84													
3	241	708	—	50	50													
4	242	709	4.291	30	30													bottle did not trip
5	243	715	4.337	20	20													
6	244	727	4.373	10	10													
7	245	1105	4.604	0	1		✓	✓										
8																		
9																		
10																		
11																		
12																		
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24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 88

Cast # down: 0054
Cast # up: 6054

Time	LOC	UTC
Begin:		2231
Bottom:		
End:		

START POSITION (GPS)
LAT: 51° 5.54'
LONG: 127° 28.69'

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

240 in file - but 250 is correct

ROSETTE LOG

MISSION ID: 2002-39 STATION: QCSI CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 21/10/2002

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	246	1126	2.835	150	149											✓
2	247	1130	2.894	125	123											✓
3	248	1134		100	101											
4	249	1135	3.350	75	75											
5	250	1136	3.396	50	50											
6	251	1193	3.531	30	30											
7	252	1137	3.707	20	20											
8	253	1138	3.879	10	11											
9	254	1141	3.859	0	2											
10																
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Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down: 0057

Cast # up: 0057

Time	LOC	UTC
Begin:		0550
Bottom:		
End:		

START POSITION (GPS)

LAT: 50 40.05

LONG: 126 46.27

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG: