

ROSETTE LOG

MISSION ID: 2007-46 STATION: EFF15 CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 24/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL				
1	01			130D-5	✓ 90			✓								
2	02				✓ 75			✓								
3	03				✓ 50			✓								Mis Fire / no sample
4	04				✓ 30			✓								
5	05				✓ 20			✓								
6	06				✓ 10			✓								
7	07				0			✓								
8																
9																
10																
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SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 100m

Cast # down: 001
Cast # up: 001

Time	LOC	UTC
Begin:	<u>BE</u>	<u>19:29</u>
Bottom:	<u>BE</u>	<u>19:30</u>
End:	<u>EN</u>	<u>19:37</u>

START POSITION (GPS)
LAT: 48 51.401
LONG: 125 14.989

BOTTOM POSITION (GPS)
LAT: 48 51.401
LONG: 125 14.989

END POSITION (GPS)
LAT: 48 51.382
LONG: 125 14.976

Comments: bottle trip lines on screen didn't show up but the indicator said it fired

ROSETTE LOG

MISSION ID: 2007-46 STATION: EFF14 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 24/06/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	08			Bot-5	103.6	✓		✓										
2	09			75	75.4			✓										
3	10			50	50.24	✓		✓										
4	11			30	30.33			✓										
5	12			20	20.2			✓										
6	13			10	10.3			✓										
7	14			0	1.45			✓										
8																		
9																		
10																		
11																		
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23																		
24																		

-bottle 2 did not fire

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 109m

Cast # down: 013
Cast # up: 013

Time	LOC	UTC
Begin:	<u>01:25</u>	
Bottom:	<u>01:29</u>	
End:		

START POSITION (GPS)
LAT: 48 54.052
LONG: 125 13.038

BOTTOM POSITION (GPS)
LAT: 48 54.06
LONG: 125 13.058

END POSITION (GPS)
LAT: 48 53.994
LONG: 125 13.091

Comments:

ROSETTE LOG

MISSION ID: 2007-46 STATION: EFF16 CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 24/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	N15					
1	015			BOT-5	105.5			✓✓					✓					
2	015a	No sample taken						✓✓					✓					expecting BOT to miss fire
3	016			75	74.67			✓✓					✓					
4	017			50	50.17			✓✓					✓					
5	018			30	30.49			✓✓					✓					
6	019			20	20.16			✓✓					✓					
7	020			10	9.9			✓✓					✓					
8	021			0	1.30			✓✓										
9																		
10																		
11																		
12																		
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24																		

Comments: Second set of NUTS (filtered) for UBC and K15N for UBC.

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 111

Cast # down: 014
Cast # up: 014

Time	LOC	UTC
Begin:	02:27	
Bottom:	02:30	
End:	02:37	

START POSITION (GPS)
LAT: 48 47.616
LONG: 125 15.920

BOTTOM POSITION (GPS)
LAT: 48 47.602
LONG: 125 15.592

END POSITION (GPS)
LAT: 48 47.564
LONG: 125 16.024

ROSETTE LOG

MISSION ID: 2007-46 STATION: WUC 1 CAST NUMBER: 0024 UTC DATE (dd/mm/yyyy): 25 105/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	22	1334	0.557	B-3	126													* forgot to record flask # in program
2	23	1485	0.845		100	X												
3	24	1336	1.238		72	X												
4	25	1468	1.333		50													
5	26	1270	1.722		30													
6																		
7																		
8																		
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24																		

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 126

Cast # down: 0024
Cast # up: 0024

Time	LOC	UTC
Begin:	47	0413
Bottom:	1	0418
End:		0425

START POSITION (GPS)
LAT: 49 37.507
LONG: 126 03.622

BOTTOM POSITION (GPS)
LAT: 49 37.507
LONG: 126 03.622

END POSITION (GPS)
LAT: 49 37.572
LONG: 126 3.632

Comments:

ROSETTE LOG

MISSION ID: 2007-46 STATION: M5Cm CAST NUMBER: 0025 UTC DATE (dd/mm/yyyy): 25/05/07

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	27	11484	0.385	BOT	167													
2	28	1233	0.694	156	156.75	x												
3	29	1342	1.258	125	125	x												-not sure on endpoint
4	30	1284	1.373	100	99													
5	31	1295	1.499	75	75.04													
6	32	1332	1.705	50	50.08													
7																		
8																		
9																		
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24																		

SHIP: Vector
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 172

Cast # down: 0025
Cast # up: 0025

Time	LOC	UTC
Begin:	05:26	✓
Bottom:	05:30	
End:	05:39	

START POSITION (GPS)
LAT: 49 38.995
LONG: 126 5.600

BOTTOM POSITION (GPS)
LAT: 49 39.006
LONG: 126.5 5.526

END POSITION (GPS)
LAT: 49 39 014
LONG: 126 05 546

Comments: SBE following oxygen - non-standard depths

ROSETTE LOG

MISSION ID: 2007-46 STATION: Muc2 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 25/05/2007

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	33	1465	0.420	BOT	364											* computer colourimeter problem? not ok
2	34	1481	0.392	350	350.09	X										
3	35			300	299.93											Bottle 3 misfired
4	36	1464	0.344	175	174.77	X										shotty catch
5	37	1466	1.545	140	139.94											
6	38	1335	2.473	130	129.86											
7	39	1467	2.352	120	120.06											* endpoint?
* 8	40	1482	1.608	100	99.82											continued with titration - seemed fine
9	41	1470	1.614	75	74.99											
10																
11																
12																
13	→ colourimeter reading > 100															colourimeter did not come back to 100 - needed to reset it
14	→ 125 ??															
15	Reset from deck unit															
16	that didn't work - reset from computer															
17	- still overshooting 100															
18																
19																
20	door was shut but still windy from side door being open															
21																
22																
23																
24																

SHIP: Vector
 ENTERED BY: CW
 CHECKED BY:

Bottom Depth: 369

Cast # down: 026

Cast # up: 026

Time	LOC	UTC
Begin:	<u>0623</u>	<u>8</u>
Bottom:	<u>0633</u>	
End:	<u>0649</u>	

START POSITION (GPS)
 LAT: 49 40.238
 LONG: 126 09.458

BOTTOM POSITION (GPS)
 LAT: 49 40.219
 LONG: 126 9.505

END POSITION (GPS)
 LAT: 49 40.223
 LONG: 126 9.505

Comments:

* Plastic 1482 - chip glass on rock edge. not standard depths.

ROSETTE LOG

MISSION ID: 2007-46 STATION: MUC3 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 25/05/2007

				ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3							
						OXY				ALK		CHL							
1	42	1471	0.575	348	348.5														
2	43	1473	0.655	300	300	✓													
3	44	1477	0.763	200	200	✓													
4	45	1475	0.762	175	175														
5	46	1483	2.219	150	150														
6	47	1479	3.043	125	124.84														
7	48	1248	2.645	100	100.15														
8	49	1478	1.790	75	75.09														
9																			
10																			
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24																			

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 361 (310 shallowing up)

Cast # down: 027
Cast # up: 027

Time	LOC	UTC
Begin:	07:56	
Bottom:	8:03	
End:	08:22	

START POSITION (GPS)
LAT: 49 39 00
LONG: 126 14 54.5

BOTTOM POSITION (GPS)
LAT: 49 38 95
LONG: 126 14 5

END POSITION (GPS)
LAT: 49 38.899
LONG: 126 14.398

Comments: colorimeter seems stable now

ROSETTE LOG

MISSION ID: 2007-46 STATION: Muc 4 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 26/05/2007

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	1374	0.679	bot	✓ 285.52													
2	51	1485	0.813	200	✓ 199.44	X												
3	52	1336	3.069	150	✓ 149.46	X												
4	53	1468	3.171	125	✓ 124.55													*in computer accidently put 159 as depth
5	54	1484	2.910	100	✓ 99.77													
6	55	1233	2.115	75	✓ 74.71													
7	56	1342	2.202	50	✓ 49.54													
8	57	1284	3.377	30	✓ 30.63													
9	58	1295	3.621	20	✓ 20.46													
10	59	1332	5.179	10	✓													7100%
11																		
12																		
13																		
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24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 292

Cast # down: 032
Cast # up: 032

Time	LOC	UTC
Begin:	05:10	
Bottom:	05:16	
End:	05:31	

START POSITION (GPS)
LAT: 49 38 504
LONG: 126 20 690

BOTTOM POSITION (GPS)
LAT: 49 38 508
LONG: 126 20 695

END POSITION (GPS)
LAT: 49 38 498
LONG: 126 20 692

Comments: colourimeter drifting

ROSETTE LOG

MISSION ID: 2007-46 STATION: MUC5 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 26/05/2007

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	60	1465	3.626	bat	✓ 185													
2	61	1481	3.836	125	✓ 125.01	X												
3	62	1476	3.903	100	✓ 100.64	X												
4	63	1464	3.862	75	✓ 75.37													
5	64	1466	2.805	50	✓ 50.42													
6	65	1335	3.60	30	✓ 30.15													
7	66	1467	4.096	20	✓ 19.98													
8	67	1482	5.497	10	✓ 9.85													
9																		
10																		
11																		
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22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 182

Cast # down: 033
Cast # up: 033

Time	LOC	UTC
Begin:	06 20	
Bottom:	06 25	
End:	06 37	

START POSITION (GPS)
LAT: 49 39 001
LONG: 126 28 474

BOTTOM POSITION (GPS)
LAT: 49 39 012
LONG: 126 28 490

END POSITION (GPS)
LAT: 49 39 014
LONG: 126 28 488

ROSETTE LOG

MISSION ID: 2007-46 STATION: MUC 6 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 26/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	68	1470	3.377	bot	✓ 112.9													
2	69	1471	4.055	75	✓ 75.6	X												
3	70	1473	4.143	50	✓ 50.02	X												
4	71	1477	4.963	30	✓ 30.11													
5	72	1475	4.768	20	✓ 20.16													
6	73	1483	5.010	10	✓ 10.05													
7	74	1479	7.671	0	✓ 1.5m													
8																		
9																		
10																		
11																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY: cw
CHECKED BY:

Bottom Depth: 118

Cast # down: 034
Cast # up: 034

Time	LOC	UTC
Begin:	07:22	
Bottom:	07:30	
End:	7:38	

START POSITION (GPS)
LAT: 49 35.806
LONG: 126 35.688

BOTTOM POSITION (GPS)
LAT: 49 35 804
LONG: 126 35 687

END POSITION (GPS)
LAT: 49 35 789
LONG: 126 35 678