

ROSETTE LOG

MISSION ID: 2007-58 STATION: FRS3 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): Nov 10, 2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	1	1413	MISSING	56														Extra H2SO4 added because aliquot was hindered by label spring.
2	2	1414	2.528	50														The first spurt did not
3	3	1418	3.525	30														clear up all the precipitate.
4	4	1421	3.847	20														So we added a full extra spurt.
5	5	1424	4.292	10														Fixed for the next row
6	6	1427	4.996	0														
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: D. Spear
CHECKED BY:

Bottom Depth: 62

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom: 2213 2313
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 50°59.912
LONG: 176°43.687

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-58 STATION: FR52 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 10/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	7	1426	clear 0?	8-5	✓ 207													"Clean the kit and click Yes
2	8	1428	clear 0?	200	✓													to continue titration click No to Alert. Are these samples
3	9	1429	clear 0?	175	✓													too anoxic? Titration curve starts at 100% and goes down.
4	10	1430	0.007	130	✓													
5	11	3090	clear 0?	125	✓													
6	12	1432	clear 0?	100	✓													
7	13	1433	0.202	75	✓													
8	14	1434	2.484	50	✓													
9	15	1440	3.857	30	✓													called sample 155 in AutoOxy
10	16	1443	3.955	20														
11	17	1445	4.537	10														
12	18	1446	5.792	0														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: D Spear

CHECKED BY:

Bottom Depth: 214

Cast # down:

Cast # up:

TimeLOCUTC

Begin:2341

Bottom:2349

End:

START POSITION (GPS)

LAT:51° 0.535

LONG:126° 42.211

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: FRS1 CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 11/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	19	1377	0.032	B-3	238													"Clean the kit..." probably Oxl/L
2	20	1380	0.090	225	225													
3	21	1381	0?	200	200													
4	22	1384	0.044	176	175													
5	23	1386	0.031	150	150													
6	24	1389	0?	126	125													
7	25	1391	0.054	100	110													
8	26	1392	0.117	75	(90)													"Still clear. Still 0?"
9	27	1393	0.064	50	(75)													N.B. Depths from "Sample Depth" column
10	28	1394	0.245	30	(50)													First flask with colour!
11	29	1395	2.953	20	(30)													
12	30	1397	3.692		20													
13	31	1399	4.167		10													
14	32	1400	4.732	0	0.6													
15																		
16																		N.B. samples 26-29
17																		have incorrect depths
18																		recorded in AutoOxy
19																		Should come from
20																		"Confirmed pressure" column
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 246 m

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:		<u>0026</u>
Bottom:		
End:		<u>0053</u>

START POSITION (GPS)

LAT: _____

LONG: _____

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: 51° 2.226

LONG: 126° 42.991

Comments: _____

ROSETTE LOG

MISSION ID: 2007-58STATION: FR50CAST NUMBER: 004

UTC DATE (dd/mm/yyyy):

11/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	33	1401	0.106	135	✓													1.5 mab clear probably 0
2	34	1402	0.007	130	✓													clear d probably 0 O ₂
3	35	1403	0.00	125	✓													clear d probably 0
4	36	1404	0.018	100	✓													" "
5	37	1406	0.182	75	✓													
6	38	1408	2.437	50	✓													
7	39	1409	4.017	30	✓													
8	40	1410	4.310	20	✓													
9	41	1411	3.930	10	✓													
10	42	1297	5.848	0														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down:

Cast # up:

Time LOC UTC

Begin: 113

Bottom:

End: 129

START POSITION (GPS)

LAT: 51 3.809LONG: 126 44.599

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: SE06 CAST NUMBER: 005 UTC DATE (dd/mm/yyyy): 11/11/2007

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	43	1300	2.798	B-5	/	532		*										
2	44	1301	2.919	500	/		X											
3	45	1302	(1.833)?	450	/		X											Titration finished @ 40% transmittancy cloudy
4	46	1305	2.870	400	/		X											
5	47	1306	2.903	350	/													
6	48	1307	2.693	300	✓													
7	49	1309	2.244	250	✓													12:19
8	50	1313	2.132	200	✓													12:23
9	51	1314	2.085	175	✓													12:26
10	52	1315	2.020	150	✓													12:30
11	53	1317	2.047	125	✓													12:34
12	54	1318	(3.153)	100	✓													12:37
13	55	1319	3.983	75	✓													12:41
14	56	1320	4.242	50	✓													12:45
15	57	1321	4.257	30	✓													12:49
16	58	1322	4.316	20	✓													12:52
17	59	1324	4.379	10	✓													12:56
18	60	1325	5.934	0	✓			*										1:00
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 542

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1305

Bottom:1319

End:1342

START POSITION (GPS)

LAT: 51 4.291

LONG: 126 52.460

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: SE04 CAST NUMBER: 006

UTC DATE (dd/mm/yyyy): 11/11/2007

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	61	1333	2.721	B-5	✓ 540													
2	62	1338	2.796	500	✓	X												
3	63	1340	2.864	450	✓	X												
4	64	1341	2.815	400	✓	X												
5	65	1344	2.79	350	✓													
6	66	1347	2.644	300	✓													
7	67	1351	2.782	250	✓													
8	68	1354	2.034	200	✓													
9	69	1356	2.047	175	✓													
10	70	1358	1.084	150	✓													
11	71	1360	2.059	125	✓													
12	72	1361	3.513	100	✓													
13	73	1362	4.028	75	✓													
14	74	1363	4.316	50	✓													
15	75	1364	4.403	30	✓													
16	76	1366	4.571	20	✓													
17	77	1367	4.598	10	✓													
18	78	1368	6.184	0	✓													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: D Spear
CHECKED BY:

Bottom Depth: 548

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1455
Bottom:		
End:		1518

START POSITION (GPS)
LAT: 51 3.138
LONG: 127 8.058

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: NSO CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 11/11/2007

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	79	1413	5.358	B-5	79													
2	80	1414	5.475	75	✓													
3	81	1418	5.390	50	✓													
4	82	1421	5.256	30	✓													
5	83	1424	5.202	20	✓													
6	84	1427	5.378	10														
7	85	1426	6.269	0														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: D. Spear
CHECKED BY:

Bottom Depth: 84

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		<u>1752</u>
Bottom:		<u>1755</u>
End:		

START POSITION (GPS)
LAT: 51 5.531
LONG: 127 28.566

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2607-58 STATION: BE01 CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 11/11/2007

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	86	1428	2.460	B-5	220													
2	87	1429	2.488	200														
3	88	1430	2.485	175														
4	89	3090	2.567	150														
5	90	1432	2.706	125														
6	91	1433	3.122	100														
7	92	1434	3.575	75														
8	93	1440	4.128	50														
9	94	1443	5.039	30														
10	95	1445	5.165	20														
11	96	1446	5.083	10														
12	97	1447	6.312	0														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 228

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1831
Bottom:		
End:		

START POSITION (GPS)
LAT: 51° 7.697
LONG: 127° 34.290

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-58 STATION: BE02 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 11/11/2007

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	98	1377	7	B-5	190													Screwed up filter
2	99	1380	2.575	175														
3	100	1381	2.533	150														
4	101	1384	2.805	125														
5	102	1386	3.099	100														
6	103	1389	3.208	75														
7	104	1391	3.645	50														
8	105	1392	5.096	30														
9	106	1393	5.192	20														
10	107	1394	5.526	10														
11	108	1395	6.624	0	0.7													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 195

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1918

Bottom:

End:1937

START POSITION (GPS)

LAT:51° 7.886'

LONG:127 30.490'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: BE03 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 13/11/2007

		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	109	1328	2.741	B-5	276	✓											
2	110	1338	2.595	250	✓	✓											
3	111	1340	2.580	200	✓	✓											
4	112	1341	2.863	175	✓												
5	113	1344	2.740	150	✓												
6	114	1347	2.957	125	✓												
7	115	1351	3.119	100	✓												
8	116	1354	3.137	75	✓												
9	117	1356	3.866	50	✓												
10	118	1358	4.726	30	✓												
11	119	1360	5.221	20	✓												
12	120	1361	5.37	10	✓												
13	121	1362	6.86	0	0.47												
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Mistake in data file # ~~109~~ 1328

SHIP: Veebar
ENTERED BY: _____
CHECKED BY: _____

Bottom Depth: 289

Cast # down: _____
Cast # up: _____

Time	LOC	UTC
Begin:		0138
Bottom:		0146
End:		

START POSITION (GPS)
LAT: 51° 7.844
LONG: 127° 22.186

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: _____
LONG: _____

Comments: _____

ROSETTE LOG

MISSION ID: 2007-58 STATION: BE04 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 13/11/2007

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	122	1363	2.404	B-5	✓ 372	✓												
2	123	1364	2.397	350	✓	✓												
3	124	1366	2.427	300	✓	✓												
4	125	1367	2.515	250	✓													
5	126	1368	2.528	200	✓													
6	127	1373	2.652	175	✓													
7	128	1374	2.653	150	✓													
8	129	1375	2.672	125	✓													
9	130	1376	2.784	100	✓													
10	131	1456	2.648	75	✓													
11	132	1377	3.592	50	✓													9:29
12	133	1380	4.469	30	✓													9:34
13	134	1381	4.982	20														9:39
14	135	1384	4.839	10														9:43
15	136	1386	5.819	0														9:47
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 378

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0241
Bottom:		
End:		

START POSITION (GPS)
LAT: 51° 7.772
LONG: 127° 15.281

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: BEOS CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 13/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
						OXY				ALK		CHL						
1	137	1389	2.585	B-5	✓ 274													7:07
2	138	1391	2.657	250	✓													Small air bubble after acidification
3	139	1392	2.579	200	✓													10:00
4	140	1393	2.483	175	✓													10:09
5	141	1394	2.605	150	✓													10:10
6	142	1395	2.252	125	✓													10:14
7	143	1397	2.300	100	✓													
8	144	1399	1.956	75	✓													
9	145	1400	3.556	50	✓													
10	146	1401	4.511	30	✓													10:28
11	147	1402	4.810	20	✓													oil bubble again
12	148	1403	4.679	10	✓													10:38
13	149	1404	6.823	0	0.57													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 282

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		347
Bottom:		
End:		

START POSITION (GPS)
LAT: 51 7.200
LONG: 127° 8.796

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-58 STATION: BE06 CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 13/11/2007

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	150	1406	2.038	B-5	✓ 325													
2	151	1408	2.190	300	✓													
3	152	1409	3.229	250														
4	153	1410	2.903	200														
5	154	1411	2.945	175														
6	155	1413	2.288	150														
7	156	1414	1.830	125														
8	157	1418	1.319	100														
9	158	1421	1.139	75														
10	159	1424	2.785	50														
11	160	1427	4.162	30														
12	161	1428	4.462	20														
13	162	1428	4.566	10														
14	163	1429	6.502	0	0.73													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 334

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0443

Bottom:

End:

START POSITION (GPS)

LAT:51° 6.560'

LONG:127° 2.146'

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2007-58 STATION: BE07 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 13/11/2007

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	164	1333	2.625	B-5	250	✓												
2	165	1338	2.584	B-5	250	✓												
3	166	1340	2.746	200	✓	✓												
4	167	1341	2.433	175														
5	168	1344	1.866	150														
6	169	1347	1.079	125														
7	170	1351	0.666	100														
8	171	1354	0.559	75														
9	172	1356	2.250	50														
10	173	1358	3.642	30														
11	174	1360	3.764	20														
12	175	1361	3.969	10														
13	176	1362	5.883	0	0.6m													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: _____
CHECKED BY: _____

Bottom Depth: 244

Cast # down: _____
Cast # up: _____

Time	LOC	UTC
Begin:		0542
Bottom:		0549
End:		0602

START POSITION (GPS)
LAT: 51 6.320
LONG: 126 55.837

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: _____
LONG: _____

Comments: _____