

ROSETTE LOG

MISSION ID: 2007-12 STATION: SIO3 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 23/5/07

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	1	1461	0.0	Bot-10	✓ 220	✓	✓	✓										anoxic
2	2	1256	0.0	200	✓ 200	✓	✓	✓										anoxic
3	3	1267	0.031	175	✓ 175													
4	4	1268	0.044	150	✓ 150													
5	5	1272	0.313	125	✓ 124													
6	6	1273	1.291	100	✓ 100													
7	7	1274	3.528	75	✓ 74													
8	8	1276	4.719	50	✓ 50													
9	9	1278	4.990	25	✓ 25													
10	10	1300	6.181	10	✓ 10				✓									
11	11	1306	8.934	5	✓ 5	✓	✓	✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P. MULLY
ENTERED BY: MR
CHECKED BY: JL

Bottom Depth: 222

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:		0317
Bottom:		0322
End:		0335

START POSITION (GPS)
LAT: 48 35.558
LONG: 123 29.838

BOTTOM POSITION (GPS)
LAT: 48 35.558
LONG: 123 29.900

END POSITION (GPS)
LAT: 48 35.440
LONG: 123 30.040

ROSETTE LOG

MISSION ID: 2007-12 STATION: LB01 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 23/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		N14					
1	12	1314	4.409	Bot-10	✓ 20		✓	✓											
2	13	1315	4.443	20	✓	✓	✓	✓					✓	✓					
3	14	1318	5.895	10	✓		✓	✓					✓	✓					
4	15	1323	7.088	5	✓	✓	✓	✓					✓	✓					
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: J.P. TULLY
 ENTERED BY: MR
 CHECKED BY: MR

Bottom Depth: 33'

Cast # down: 2
 Cast # up:

Time	LOC	UTC
Begin:	0808	1508
Bottom:	0817	1517
End:	0820	1520

START POSITION (GPS)
 LAT: 48 40.42
 LONG: 124 59.97

BOTTOM POSITION (GPS)
 LAT: 48 40.44
 LONG: 124 59.46

END POSITION (GPS)
 LAT: 48 40.46
 LONG: 124 59.45

ROSETTE LOG

MISSION ID: 2007-12 STATION: L302 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 23/05/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		NH4				
1	16	1324	3.825	Bot-10	✓ 45			✓	✓									
2	17	1371	4.463	30	✓	✓		✓	✓									
3	18	1373	4.748	20	✓			✓	✓				✓	✓				
4	19	1374	6.089	10	✓			✓	✓				✓	✓				
5	20	1380	7.247	5	✓	✓		✓	✓				✓	✓				
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: MR
CHECKED BY: MK

Bottom Depth: 56

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:	0848	1548
Bottom:	0851	1551
End:	0857	1557

START POSITION (GPS)
LAT: 48 39 01
LONG: 125 02 49

BOTTOM POSITION (GPS)
LAT: 48 39 02
LONG: 125 02 50

END POSITION (GPS)
LAT: 48 39 03
LONG: 125 02 47

ROSETTE LOG

MISSION ID: 2007-12 STATION: L004 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 23/5/07

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	21	1381	2.228	Bot-10	✓	100												
2	22	1382	3.494	75	✓													
3	23	1389	4.215	50	✓													
4	24	1391	4.919	30	✓													
5	25	1394	5.262	20	✓													
6	26	1424	5.734	10	✓													
7	27	1443	6.108	5	✓													small bubble in flask (noticed before start)
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: ML
CHECKED BY: ML

Bottom Depth: 112

Cast # down: 5
Cast # up:

Time	LOC	UTC
Begin:	1010	1710
Bottom:	1014	1714
End:	1022	1722

START POSITION (GPS)
LAT: 48 35.67
LONG: 125 08.72

BOTTOM POSITION (GPS)
LAT: 48 35.67
LONG: 125 08.74

END POSITION (GPS)
LAT: 48 35.65
LONG: 125 08.78

ROSETTE LOG

MISSION ID: 2007-12 STATION: LB06 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 23/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL					
1	28	1140	1.581	Bot-10	✓ 1.11			✓											
2	29	1138	1.747	100	✓			✓											
3	30	1142	2.183	75	✓			✓											
4	31	1280	0.605	0.350	0.201	50	✓												
5	32	1329	4.261	30	✓														
6	33	1349	5.322	20	✓								✓	✓					
7	34	1375	6.071	10	✓								✓	✓					
8	35	1376	6.456	5	✓			✓	✓				✓	✓					
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: CHL FILTERED AT 2100 !!!

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 115

Cast # down: 9
Cast # up:

Time	LOC	UTC
Begin:		1955
Bottom:		1957
End:		

START POSITION (GPS)
LAT: 48° 32' 06"
LONG: 125° 15' 53"

BOTTOM POSITION (GPS)
LAT: 32.02
LONG: 115.56

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LB08 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 24/5/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		NH4				
1	36	1161	1.575	Bot-10	✓	120		✓✓	✓									(oxy dupl both runs in 98)
2	37	1267	1.592	125	✓	120	✓	✓✓										
3	38	1272	2.070	100	✓			✓✓										
4	39	1274	2.181	75	✓			✓✓										
5	40	1278	4.052	50	✓			✓✓										
6	41	1306	4.776	30	✓			✓										
7	42	1311	7.120	20	✓			✓					✓	✓✓				
8	43	1315	7.840	10	✓			✓					✓	✓✓				
9	44	1318	7.923	5	✓		✓	✓	✓✓				✓	✓✓				
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 130

Cast # down: 23
Cast # up:

Time	LOC	UTC
Begin:	2158	0458
Bottom:	2202	0502
End:	2210	0510

START POSITION (GPS)
LAT: 48° 24' 53"
LONG: 125° 27' 32"

BOTTOM POSITION (GPS)
LAT: 48° 24' 47"
LONG: 125° 27' 26"

END POSITION (GPS)
LAT: 48° 24' 28"
LONG: 125° 27' 08"

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LB09 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 24/5/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		NH4				
							OXY			ALK		CHL						
1	45	1323	1.608	Bot-10	✓	140 *		✓	✓									
2	46	1331	1.955	100	✓		✓	✓										
3	47	1371	2.715	75	✓			✓										
4	48	1381	6.761	50	✓			✓										
5	49	1389	6.990	30	✓			✓										
6	50	1391	5.995	20	✓			✓	✓			✓	✓					
7	51	1424	7.643	10	✓			✓				✓	✓					
8	52	1443	8.123	5	✓		✓	✓	✓			✓	✓					
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * PLAN SAID 135 BOTTOM SO NISKIN @ 125m MISSING

SHIP: TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 151

Cast # down: 24
Cast # up:

Time	LOC	UTC
Begin:	2256	0556
Bottom:	2301	0601
End:	2311	0611

START POSITION (GPS)
LAT: 48° 21.94
LONG: 125° 34.75

BOTTOM POSITION (GPS)
LAT: 48° 21.89
LONG: 125° 34.67

END POSITION (GPS)
LAT: 48° 21.82
LONG: 125° 34.54

ROSETTE LOG

MISSION ID: 2007-12 STATION: L311 CAST NUMBER: 26 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	NH4			
1	53	1453	1.602	Bot-10	✓ 200		X	X								Flask # XP ml/l
2	54	1393	1.790	175	✓ 175	X	XX									1386 1.689
3	55	1399	3.549	150	✓ 150		XX									1410 * 2110 1.799
4	56	1411	4.243	125	✓ 125		XX									1421 3.958
5	57	1440	4.965	100	✓ 100		XX									1441 4.692
6	58	1442	6.384	75	✓ 75		XX									1445 6.031
7	59	1446	6.903	50	✓ 50		XX									1447 6.529
8	60	1457	6.623	30	✓ 30		X	X								
9	61	1448	6.402	20	✓ 20		X					XX	XX			Samples run on XP not Win98 for comparison purposes)
10	62	1451	7.170	10	✓ 10		X					XX	XX			
11	63	1452	7.298	5	✓ 5	X	X					XX	XX			
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully
 ENTERED BY: ST
 CHECKED BY:

Bottom Depth: 205

Cast # down: 26
 Cast # up:

Time	LOC	UTC
Begin:	<u>0054</u>	<u>0754</u>
Bottom:	<u>0059</u>	<u>0759</u>
End:	<u>0116</u>	<u>0816</u>

START POSITION (GPS)
 LAT: 48 15.19
 LONG: 125 47.70

BOTTOM POSITION (GPS)
 LAT: 48 15.15
 LONG: 125 47.72

END POSITION (GPS)
 LAT:
 LONG:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LB12 CAST NUMBER: 28 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						
1	64	715	0.608	Bot-10	✓	505												
2	65	1105	0.576	4500	✓	500	x											Flesh VP value
3	66	1146	0.824	400	✓	400		xx										1158 0.825
4	67	1175	1.239	300	✓	300		xx										1301 1.173
5	68	1305	1.527	250	✓	249		xx										1307 1.483
6	69	1311	2.239	200	✓	201		xx										1317 2.092
7	70	1319	3.315	175	✓	177		xx										1321 3.149
8	71	1322	3.985	150	✓	153												
9	72	1325	4.842	125	✓	125												SYSTEM CRASH
10	73	1326	1.145*	100	✓	102												CRASH AGAIN
11	74	1327	6.901	75	✓	75			x									
12	75	1351	7.748	50	✓	50												*FIX AND AGAIN (STOPPED)
13	76	1358	6.993	30	✓	30												
14	77	1361	7.049	20	✓	19						xx	xx					
15	78	1362	7.297	10	✓	11						xx	xx					* changed colour meter
16	79	1363	7.842	5	✓	6	x					xx	xx					Probe - acting funny for some time now.
17																		(then computer froze) OK
18																		(it unfroze) came thawed
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 508

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	0215	0915
Bottom:	0223	0923
End:	0245	0945

START POSITION (GPS)
LAT: 48 12.91
LONG: 125 51.82

BOTTOM POSITION (GPS)
LAT: 48 12.88
LONG: 125 51.80

END POSITION (GPS)
LAT: 48 12.88
LONG: 125 51.79

Comments: SYSTEM ERROR - W.HALE FILE CLOSED - NO REASON
XP standard + blank values need to be updated.
Closed / Shut everything down + rebooted - so far it's (probable problem switching between computers) OK.
bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2007-12

STATION: LB14

CAST NUMBER: 31

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						
1	80	1212	0.432	B-10	✓ 1158		X	X										
2	81	1216	0.294	1000	✓ 1000	X												
3	82	1223	0.269	750	✓ 749			X										
4	83	1228	0.435	600	✓ 599													
5	84	1230	0.706	500	✓ 500													
6	85	1241	1.257	400	✓ 399													
7	86	1247	1.520	300	✓ 299													
8	87	1249	2.111	250	✓ 249													
9	88	1281	2.463	200	✓ 200													
10	89	1313	2.607	175	✓ 175													
11	90	1338	2.917	150	✓ 150													
12	91	1344	4.056	125	✓ 125													
13	92	1347	4.833	100	✓ 100													
14	93	1354	6.963	75	✓ 75													
15	94	1356	6.773	50	✓ 49													
16	95	1360	7.038	30	✓ 30													
17	96	1366	7.381	20	✓ 20								XX	XX				
18	97	1384	7.606	10	✓ 10								XX	XX				
19	98	1403	7.720	5	✓ 5	X							XX	XX				
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: SL

CHECKED BY:

Bottom Depth: 1168

Cast # down: 31

Cast # up:

Time LOC UTC

Begin: 1149

Bottom: 1210

End: 1246

START POSITION (GPS)

LAT: 48 8.462

LONG: 125 59.944

BOTTOM POSITION (GPS)

LAT: 48 8.478

LONG: 125 59.914

END POSITION (GPS)

LAT: 48 8.456

LONG: 125 59.927

ROSETTE LOG

MISSION ID: 2007-12 STATION: LC11 CAST NUMBER: 36 37 UTC DATE (dd/mm/yyyy): 24 Mar 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	NH4					
1	99	1110	0.685	h-10	✓ 1430		X	X										
2	100	1138	0.502	1250	✓	X												
3	101	1142	0.299	1000	✓													
4	102	1280	0.257	750	✓ 753													
5	103	1329	0.378	600	✓ 602													
6	104	1349	42.461	500	✓ 500													* aborted sample # 9104 flask # 0000
7	105	1375	1.204	400	✓ 400													
8	106	1376	2.293	300	✓ 300													
9	107	1453	2.764	250	✓ 250													
10	108	1393	4.015	200	✓ 200													
11	109	1386	4.306	175	✓ 175													
12	110	1399	4.062	150	✓ 149													
13	111	1410	4.405	125	✓ 125			X										
14	112	1411	5.223	100	✓ 100													
15	113	1421	6.511	75	✓ 75													
16	114	1440	6.973	50	✓ 50													
17	115	1441	7.065	30	✓ 30													
18	116	1442	7.137	20	✓ 20							X	XX					
19	117	1445	7.823	10	✓ 9							X	XX					
20	118	1446	8.015	5	✓ 4	X		✓				X	XX					
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
 ENTERED BY: ST
 CHECKED BY:

Bottom Depth: 1452

Cast # down: 37
 Cast # up:

Time	LOC	UTC
Begin:		<u>2233</u>
Bottom:		<u>2254</u>
End:		<u>2329</u>

START POSITION (GPS)
 LAT: 48 18 76
 LONG: 126 26 43

BOTTOM POSITION (GPS)
 LAT: 48 18 79
 LONG: 126 26 64

END POSITION (GPS)
 LAT: 48 18 908
 LONG: 126 26 515

ROSETTE LOG

MISSION ID: 2007-12 STATION: LCG CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 25 mai 2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		ALK		CHL	NH4	
1	119	1457	0.442	5-10	✓ 599													
2	120	1448	0.404	600	✓ 599	X												
3	121	1451	0.578	500	✓ 500			X										
4	122	1452	0.965	400	✓ 399													
5	123	1454	1.206	300	✓ 300													
6	124	1456	1.919	250	✓ 250													
7	125	1458	3.429	200	✓ 200													
8	126	1459	3.754	(175)	✓ 174													extra water for NR
9	127	1486	4.423	150	✓ 147													
10	128	1461	4.895	125	✓ 124													
11	129	1256	4.644	100	✓ 100													
12	130	1267	6.521	75	✓ 73													
13	131	1268	7.106	50	✓ 50													
14	132	1272	7.164	30	✓ 30													lid not on flask properly - air in?
15	133	12743	7.231	20	✓ 19								X		2			
16	134	1274	8.127	10	✓ 10								X		2			
17	135	1276	7.802	5	✓ 5	X							X		2			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: SP
CHECKED BY:

Bottom Depth: 611

Cast # down: 39
Cast # up:

Time	LOC	UTC
Begin:		0135
Bottom:		0149
End:		0213

START POSITION (GPS)
LAT: 48. 25.873
LONG: 126 13.692

BOTTOM POSITION (GPS)
LAT: 48 25.885
LONG: 126 13.697

END POSITION (GPS)
LAT: 48 25.952
LONG: 126 13.542

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LCB/A1 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 25 mai 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	136	1278	2.001	6-10	✓ 190													
2	137	1300	2.202	175	✓	X												
3	138	1306	2.748	150	✓													
4	139	1314	4.197	125	✓													air bubble
5	140	1315	4.999	100	✓													huge air bubble
6	141	1318	6.366	75	✓													
7	142	1323	7.100	50	✓													
8	143	1324	7.495	30	✓													big air bubble
9	144	1371	7.174	20	✓			2				X	2					
10	145	1373	7.882	10	✓							X	2					
11	146	1374	8.056	5	✓	X		1				X	2					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: JL
CHECKED BY: MR

Bottom Depth: 202

Cast # down: 41
Cast # up:

Time	LOC	UTC
Begin:	2017	0317
Bottom:	2022	0322
End:	2035	0335

START POSITION (GPS)
LAT: 48 29.45
LONG: 126 07.11

BOTTOM POSITION (GPS)
LAT: 48 29.41
LONG: 126 07.10

END POSITION (GPS)
LAT: 48 29.45
LONG: 126 07.98

ROSETTE LOG

MISSION ID: 2007-12 STATION: LC6 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 25/5/07

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		NH4				
						OXY				ALK		CHL						
1	147	1380	2.402	Bot-10	✓ 83		✓	✓										
2	148	1381	4.842	75	✓	✓												
3	149	1382	5.771	50	✓													
4	150	1389	6.259	30	✓													
5	151	1391	6.693	20	✓							✓	✓					
6	152	1394	6.995	10	✓							✓	✓					
7	153	1424	7.389	5	✓	✓	✓	✓				✓	✓					
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 93

Cast # down: 44
Cast # up:

Time	LOC	UTC
Begin:	2235	0535
Bottom:	2239	0539
End:	2247	0547

START POSITION (GPS)
LAT: 48 36 40
LONG: 125 53 92

BOTTOM POSITION (GPS)
LAT: 48 36 31
LONG: 125 53 95

END POSITION (GPS)
LAT: 48 36 43
LONG: 125 53 98

ROSETTE LOG

MISSION ID: 2007-12 STATION: LCO4 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 49

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	NH4					
1	154	715	2.562	6-10	✓ 157			X										
2	155	1105	2.758	125	✓ 125	X												
3	156	1146	3.190	100	✓ 100													
4	157	1158	3.297	75	✓ 74.55													
5	158	1175	3.457	50	✓ 49.46													
6	159	1301	4.146	30	✓ 30.21													
7	160	1305	6.487	20	✓ 19.97							X	XX					
8	161	1307	8.100	10	✓ 10.56			X				X	XX					
9	162	1311	8.045	5	✓ 5.42	X						X	XX					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: ENTERED BY: A SASTRI CHECKED BY:

Bottom Depth: 166m

Cast # down: Cast # up:

Time LOC UTC Begin: 8:25 Bottom: 8:29 End:

START POSITION (GPS) LAT: 48 43 35 LONG: 125 40 70

BOTTOM POSITION (GPS) LAT: 48 43 34 LONG: 125 40 67

END POSITION (GPS) LAT: LONG:

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2007-12 STATION: L02 CAST NUMBER: 51

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						
1	163	1317	2.499	bot-10	✓ 100			X	XX									
2	164	1319	2.773	75	✓ 75	X												
3	165	1321	3.587	50	✓ 50													
4	166	1322	4.029	30	✓ 30													
5	167	1351	4.420	20	✓ 20								X	XY				
6	168	1325	7.722	10	✓ 10								X	XY				
7	169	1327	7.774	5	52	X							X	XY				
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: ST/AS
CHECKED BY:

Bottom Depth: 109

Cast # down: 51
Cast # up:

Time	LOC	UTC
Begin:		1015
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 48.67
LONG: 125 30.96

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LCO1 CAST NUMBER: 52 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	OXY	NUT	TCO	ALK	C13	CHL	NH4					
1	170	1326	2.476	10	86			X	X									
2	171	1358	2.564	75	75	X												
3	172	1361	3.113	50	50				X									
4	173	1362	3.030	30	30													
5	174	1363	4.306	20	20						X	XX						
6	175	1364	6.167	10	10						X	XX						
7	176	1367	7.353	5	5	X					X	XX						
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY: SK

Bottom Depth:

Cast # down: 52

Cast # up:

Time	LOC	UTC
Begin:		1101
Bottom:		1104
End:		1111

START POSITION (GPS)

LAT: 48 50.442

LONG: 125 27.720

BOTTOM POSITION (GPS)

LAT: 48 50.417

LONG: 125 27.738

END POSITION (GPS)

LAT: 48 50.389

LONG: 125 27.768

ROSETTE LOG

MISSION ID: 2007-12 STATION: LGP1 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 25 May 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	NH4					
1	177	1461	5.503	5-10	✓ 41													
2	178	1256	5.177	30	✓	X												
3	179	1267	6.110	20	✓								2					
4	180	1268	8.042	10	✓								2					
5	181	1272	7.894	5	✓	X							2					Transfer to other flask Sample with precipitates
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: SN
CHECKED BY:

Bottom Depth: 52

Cast # down: 53
Cast # up:

Time	LOC	UTC
Begin:	0943	1643
Bottom:	0946	1646
End:	0951	1651

START POSITION (GPS)
LAT: 49 20.53
LONG: 126 34.99

BOTTOM POSITION (GPS)
LAT: 49 20.56
LONG: 126 34.98

END POSITION (GPS)
LAT: 49 20.64
LONG: 126 34.96

ROSETTE LOG

MISSION ID: 2007-12 STATION: 2602 CAST NUMBER: 54 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	OXY	NUT	TCO	ALK	CI3	CHL	NH4					
1	182	1273	3.125	Bot-10	✓ 91													big air bubble
2	183	1274	3.344	75	✓	✓												
3	184	1276	5.031	50	✓													
4	185	1278	6.265	30	✓													
5	186	1300	6.572	20	✓							✓	✓					
6	187	1306	6.976	10	✓							✓	✓					air bubble
7	188	1311	8.342	5	✓	✓	✓	✓				✓	✓					big air bubble
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 101

Cast # down: 54
Cast # up:

Time	LOC	UTC
Begin:	1019	1719
Bottom:	1022	1722
End:	1029	1729

START POSITION (GPS)
LAT: 49° 18.71'
LONG: 126° 38.20'

BOTTOM POSITION (GPS)
LAT: 49° 18.71'
LONG: 126° 38.19'

END POSITION (GPS)
LAT: 49° 18.70'
LONG: 126° 38.15'

ROSETTE LOG

MISSION ID: 2007-12 STATION: L604 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 25/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		W4				
1	189	715	2.997	Bot-10	✓	140		✓	✓									
2	190	1105	3.406	125	✓		✓											
3	191	1146	3.491	100	✓													
4	192	1158	3.395	75	✓													
5	193	1175	13.126	50	✓													Forget stirr bar
6	194	1301	5.626	30	✓				✓									
7	195	1305	6.194	20	✓								✓	✓				
8	196	1307	7.237	10	✓		✓						✓	✓				
9	197	1311	7.671	5	✓								✓	✓				
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: VW
CHECKED BY:

Bottom Depth: 146

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	19.25	
Bottom:	19.36	
End:		

START POSITION (GPS)
LAT: 44° 11.20
LONG: 126° 44.42

BOTTOM POSITION (GPS)
LAT: 44° 11.19
LONG: 126° 49.42

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LBP5 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 26/5/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		WHA				
1	258	1212	0.538	Bot-10	✓	1260		✓										
2	259	1216	0.378	1000	✓		✓											
3	260	1223	0.322	750	✓													
4	261	1228	0.477	600	✓													
5	262	1238	0.677	500	✓													
6	263	1241	1.117	400	✓													
7	264	1247	2.044	300	✓													
8	265	1279	2.755	250	✓													
9	266	1281	3.675	200	✓													
10	267	1313	4.140	175	✓													
11	268	1338	4.421	150	✓													
12	269	1344	4.462	125	✓													
13	270	1347	4.636	100	✓													
14	271	1354	5.500	75	✓													
15	272	1356	6.571	50	✓													
16	273	1360	7.192	30	✓													
17	274	1366	7.132	20	✓								✓	✓✓				
18	275	1384	7.367	10	✓								✓	✓✓				
19	276	1403	7.657	5	✓		✓	✓	✓				✓	✓✓				
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. TULLY
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 1283

Cast # down: 73
Cast # up:

Time	LOC	UTC
Begin:	0939	1639
Bottom:	0956	1656
End:	1027	1727

START POSITION (GPS)
LAT: 49 59.96
LONG: 127 59.98

BOTTOM POSITION (GPS)
LAT: 49 59.93
LONG: 127 59.92

END POSITION (GPS)
LAT: 49 59.88
LONG: 127 59.94

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LG-06 CAST NUMBER: 61.69 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		CI3						
							OXY			ALK		CHL						
1	198	1317	0.277	bot-10	✓ 930.68			X	X									
2	199	1319	0.394	750	✓ 750.09	X			XX									
3	200	1321	0.445	600	✓ 599.87													
4	201	1322	0.677	500	✓ 499.68													
5	202	1325	1.278	400	✓ 400.15													
6	203	1326	1.820	300	✓ 300.28													
7	204	1327	2.154	250	✓ 251.15													
8	205	1358	3.041	200	✓ 200.89													
9	206	1351	3.548	175	✓ 175.85													
10	207	1361	4.463	150	✓ 150.49													
11	208	1362	5.015	125	✓ 126.04													
12	209	1363	5.971	100	✓ 99.76													
13	210	1364	6.848	75	✓ 74.68													
14	211	1367	7.115	50	✓ 49.78													
15	212	1368	7.334	30	✓ 29.45													
16	213	1397	7.336	20	✓ 20.98							X	XX					
17	214	1400	7.549	10	✓ 10.16							X	XX					
18	215	1406	7.806	5	✓ 8.13	X						X	XX					
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: S.F. / AM
CHECKED BY:

Bottom Depth: 953

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		21.56
Bottom:		22.09
End:		

START POSITION (GPS)
LAT: 49 03.396
LONG: 127 1.092

BOTTOM POSITION (GPS)
LAT: 49 03.36
LONG: 127 00.95

END POSITION (GPS)
LAT: 49 3.246
LONG: 127 0.57

ROSETTE LOG

MISSION ID: 2007-12

STATION: L609

CAST NUMBER: 66

UTC DATE (dd/mm/yyyy):

26 mai 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	NH4					
1	216	1161	1.620?	2005	✓	X												
2	217	1256	0.694	1500	✓													
3	218	1267	0.430	1250	✓													
4	219	1268	0.270	1000	✓			2										
5	220	1374	0.201	750	✓													
6	221	1273	0.493	600	✓													
7	222	1274	0.717	500	✓													
8	223	1276	1.193	400	✓													
9	224	1278	1.762	300	✓													
10	225	1300	2.221	250	✓			2										
11	226	1306	3.200	200	✓													
12	227	1314	3.399	175	✓													
13	228	1272	3.485	150	✓													
14	229	1318	4.157	125	✓													
15	230	1323	4.732	100	✓													
16	231	1324	6.975	75	✓													
17	232	1371	7.341	50	✓													
18	233	1373	7.114	30	✓													
19	234	1315	7.168	20	✓								2					
20	235	1380	7.259	10	✓								2					
21	236	1381	7.305	5	✓	X							2					
22																		
23																		
24																		

SHIP: Jolly
ENTERED BY: SK
CHECKED BY: MR

Bottom Depth: 2055

Cast # down: 66
Cast # up:

Time	LOC	UTC
Begin:	2012	0312
Bottom:	2045	0345
End:	2130	0430

START POSITION (GPS)
LAT: 48° 51.19
LONG: 127° 19.23

BOTTOM POSITION (GPS)
LAT: 48° 51.25
LONG: 127° 19.26

END POSITION (GPS)
LAT: 48° 51.22
LONG: 127° 19.32

Comments:

ROSETTE LOG

MISSION ID: 2007-12

STATION: LBP7

CAST NUMBER: 70

UTC DATE (dd/mm/yyyy):

26 May 2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		ALK		CHL			
1	237	1461	1.380	2005	✓ 2005														
2	238	1256	0.706	1500	✓ 1500														
3	239	1267	0.418	1250	✓ 1248														
4	240	1268	0.306	1000	✓ 1000														
5	241	1374	0.331	750	✓ 749														
6	242	1273	0.528	600	✓ 599														
7	243	1274	0.758	500	✓ 500														
8	244	1276	1.290	400	✓ 399														
9	245	1278	1.891	300	✓ 299														
10	246	1300	2.531	250	✓ 249														
11	247	1318	3.546	200	✓ 200														
12	248	1323	3.626	175	✓ 174														
13	249	1272	4.208	150	✓ 149														
14	250	1394	4.764	125	✓ 123														
15	251	1424	4.868	100	✓ 100														
16	252	1324	5.524	75	✓ 74														
17	253	1443	6.690	50	✓ 50														
18	254	1391	7.199	30	✓ 29														
19	255	1389	7.284	20	✓ 19														
20	256	1486	7.241	10	✓ 10														
21	257	1387	6.810	5	✓ 5														
22																			
23																			
24																			

SHIP: Tully

ENTERED BY: S

CHECKED BY:

Bottom Depth: 2188

Cast # down: 70

Cast # up:

Time LOC UTC

Begin: 1311

Bottom: 1337

End: 1422

START POSITION (GPS)

LAT: 49 52.375

LONG: 128 11.141

BOTTOM POSITION (GPS)

LAT: 49 52.422

LONG: 128 11.214

END POSITION (GPS)

LAT: 49 52.200

LONG: 128 11.317

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: LBP3 CAST NUMBER: 77 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	OXY	NUT	TCO	ALK	C13	CHL	W49					
1	277	1404	2.924	Bot-10	✓	161		✓										
2	278	1425	3.038	150	✓	152	✓											
3	279	1426	3.549	125	✓	124												
4	280	1427	2.931	100	✓	99												
5	281	1428	4.408	75	✓	73												
6	282	1429	4.431	50	✓	46												
7	283	1430	5.186	30	✓	33												
8	284	1431	5.817	20	✓	18							✓	✓				
9	285	1433	6.087	10	✓	9	✓	✓	✓				✓	✓				
10	286			10	✓	9												} Pour Ammonia
11	287			10	✓	9												
12	288	1434	6.776	5	✓	4		✓	✓				✓	✓				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. TULLY
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 170

Cast # down: 77
Cast # up:

Time	LOC	UTC
Begin:		1927
Bottom:		1930
End:		1940

START POSITION (GPS)
LAT: 50° 03.15
LONG: 127° 55.27

BOTTOM POSITION (GPS)
LAT: 50° 03.15
LONG: 127° 55.28

END POSITION (GPS)
LAT: 50° 03.16
LONG: 127° 55.30

Comments:

* Sample #s 278-288 already used for Cast 77
Use 9278-9288 to avoid confusion.

ROSETTE LOG

MISSION ID: 2007-12

STATION: CS02

CAST NUMBER: 88

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	NH4			
* 1	278	1212	0.267	1000	✓ 1000			X	X							
* 2	279	1216	0.342	750	✓ 750.49	X										
* 3	280	1223	0.477	600	✓ 600.07											
* 4	281	1228	0.685	500	✓ 500.16				X							
* 5	282	1238	1.240	400	✓ 400.54											
* 6	283	1241	2.151	300	✓ 298.86											
* 7	284	1247	2.191	250	✓ 248.75											
* 8	285	1279	1.939	200	✓ 201.9											
* 9	286	1403	3.164	175	✓ 175.29											
* 10	287	1281	2.715	150	✓ 150.03											
* 11	288	1313	3.672	125	✓ 123.48											
12	289	1338	5.719	100	✓ 99.82											
13	290	1344	6.907	75	✓ 76.20											
14	291	1347	6.861	50	✓ 49.3											
15	292	1354	7.172	30	✓ 30.83											
16	293	1356	6.936	20	✓ 20.85							X	XX			
17	294	1360	7.172	10	✓ 10.01							X	XX			
18	295	1366	6.710	5	✓ 4.35	X						X	XX			
19																
20																
21																
22																
23																
24																

SHIP: Tully
ENTERED BY: ST/AS
CHECKED BY:

Bottom Depth: 1902 m

Cast # down: 88

Cast # up:

Time	LOC	UTC
Begin:		8:41
Bottom:		8:56
End:		9:36

START POSITION (GPS)

LAT: 50 41.29
LONG: 129 27.99

BOTTOM POSITION (GPS)

LAT: 50 41.29
LONG: 129 27.99

END POSITION (GPS)

LAT: 50 41.28
LONG: 129 27.99

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: C904 CAST NUMBER: 93 UTC DATE (dd/mm/yyyy): 27/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	144	
1	296	715	4.730	6-10	84			X	X							
2	297	1105	5.488	75	74	X										
3	298	1146	6.298	50	50											
4	299	1158	7.134	30	30											
5	300	1175	7.239	20	20				X			X	XX			
6	301	1301	7.537	10	10	X						X	XX			Sal for SJR
7	302			10	11											For Anissa
8	303			10	11											
9	304	1305	7.502	5	5	X	X	X				X	XX			
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP:
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 93

Cast # down: 93

Cast # up:

Time	LOC	UTC
Begin:		1244
Bottom:		1247
End:		1253

START POSITION (GPS)
LAT: 50 49 256
LONG: 129 13.009

BOTTOM POSITION (GPS)
LAT: 50 49 270
LONG: 129 12.965

END POSITION (GPS)
LAT: 50 49 250
LONG: 129 12.948

Comments:

ROSETTE LOG

MISSION ID: 2007-12 STATION: CS06 CAST NUMBER: 99 UTC DATE (dd/mm/yyyy): 27/5/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		UHA				
1	305	1307	6.494	Bot-10	✓	55		✓	✓									
2	306	1311	6.589	50	✓		✓	✓	✓									
3	307	1317	7.885	30	✓													
4	308	1319	7.818	20	✓								✓	✓				
5	309	1321	7.776	10	✓								✓	✓				
6	310	1322	7.774	5	✓		✓	✓	✓				✓	✓				
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
 ENTERED BY: MR
 CHECKED BY: MR

Bottom Depth: 65

Cast # down: 99
 Cast # up:

Time	LOC	UTC
Begin:	1055	1755
Bottom:	1058	1758
End:	1104	1804

START POSITION (GPS)
 LAT: 50° 59' 96
 LONG: 128° 49' 99

BOTTOM POSITION (GPS)
 LAT: 50° 59' 96
 LONG: 128° 50' 01

END POSITION (GPS)
 LAT: 50° 59' 97
 LONG: 128° 50' 01

Comments: _____

ROSETTE LOG

MISSION ID: 2007-12 STATION: CS09 CAST NUMBER: 106 UTC DATE (dd/mm/yyyy): 27/05/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL						
1	311	715	2.042	Bot-10	✓ 185			X	X									
2	312	1105	2.164	175	✓ 172	X												
3	313	1146	2.234	150	✓													
4	314	1158	3.017	125	✓													
5	315	1175	5.502	100	✓													
6	1316	1301	6.124	75	✓													
7	317	1305	6.539	50	✓				X									
8	318	1307	6.685	30	✓							X	XX					
9	319	1311	6.615	20	✓							X	XX					
10	320	1317	7.823	10	✓							X	XX					
11	321	1319	5.780	5	✓	X						X	XX					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: AS
CHECKED BY:

Bottom Depth: 195m

Cast # down: 106
Cast # up:

Time	LOC	UTC
Begin:		2117
Bottom:		2121
End:		

START POSITION (GPS)
LAT: 51°12.42
LONG: 128°27.98

BOTTOM POSITION (GPS)
LAT: 51°12.41
LONG: 128°27.99

END POSITION (GPS)
LAT:
LONG: