

ROSETTE LOG

MISSION ID: 2004-29 STATION: GT03 CAST NUMBER: 06 UTC DATE (dd/mm/yyyy): 15/09/2004

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	1			Bot-10	✓ 361	✓												
2	2			300	300	✓												
3	3			250	250	✓												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 373

Cast # down: 06
Cast # up: 06

Time	LOC	UTC
Begin:		0745
Bottom:		0752
End:		

START POSITION (GPS)
LAT: 49 10 41
LONG: 123 33 48

BOTTOM POSITION (GPS)
LAT: 49 10 36
LONG: 123 33 48

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: G104 CAST NUMBER: 07 UTC DATE (dd/mm/yyyy): 15/09/2004

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	4			304-10		✓												
2	5			350	350	✓												
3	6			300	300	✓												
4																		
5																		
6																		
7																		
8																		
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10																		
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19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-27 STATION: N103 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 15/07/2004

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	7			Bot-10	399	-											
2	8			350	350	-											
3	9			300	300	-											
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: C105 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 16/09/2004

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	10			125		-									
2	11			75		-									
3						-									
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: G102 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 16/09/2004

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	12			250		✓												
2	13			125		✓												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
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21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: JL
CHECKED BY:

Bottom Depth: 268

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	0539	
End:	0544	

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 2.66
LONG: 123 23 31

END POSITION (GPS)
LAT: 2.65
LONG: 23 31

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: LA2 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 19/09/2004

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	14	1256	1.806	Bot-n	-	288	✓	X										
2	15	1267	1.692	250	✓	250	✓											
3	16	1268	1.794	200	✓	200	✓											
4	17	1272	1.896	175	✓	175												
5	18	1273	1.989	150	✓	153												
6	19	1274	2.037	125	✓	125												
7	20	1276	2.455	100	✓	100												
8	21	1278	3.458	75	✓	75												
9	22	1240	3.791	50	✓	49												
10	23	1241	4.762	30	✓	33												
11	24	1242	5.444	20	✓	20												
12	25	1243	5.595	10	✓	10												
13	26	1244	5.829	5	✓	5		↓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 301

Cast # down: 38

Cast # up: 38

Time	LOC	UTC
Begin:		0235
Bottom:		0239
End:		0255

START POSITION (GPS)

LAT: 48 26 30

LONG: 124 51 63

BOTTOM POSITION (GPS)

LAT: 48 26 33

LONG: 124 51 79

END POSITION (GPS)

LAT: 48 26 49

LONG: 124 52 33

ROSETTE LOG

MISSION ID: 2004-29 STATION: LAH CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 19 09 2004

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	1445	1.804	Bot-10	180.31		X											
2	28	1446	—	150														Problem with colorimeter
3	29	1447	1.775	125														→ Aborted titration
4	30	1448	1.806	100														
5	31	1449	1.848	75														
6	32	1450	3.812	50														
7	33	1451	3.356	30														
8	34	1452	3.933	20														
9	35	1453	5.793	10														
10	36	1454	6.663	5														
11																		
12																		
13																		
14																		
15																		
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22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 191

Cast # down: 40
Cast # up: 40

Time	LOC	UTC
Begin:		
Bottom:		0445
End:		0453

START POSITION (GPS)
LAT: 48 19 41
LONG: 125 04 13

BOTTOM POSITION (GPS)
LAT: 48 19 43
LONG: 125 04 14

END POSITION (GPS)
LAT: 48 19 44
LONG: 125 04 12

ROSETTE LOG

MISSION ID: 2004-29 STATION: LA8 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 19/09/2004

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	37	535	1.785	Bot-10	131		X											
2	38	364	1.757	125	125													
3	39	572	3.337	100	100													
4	40	657	5.027	75	75													
5	41	708	5.348	50	50													
6	42	1130	5.779	30	30													
7	43	1135	6.124	20	20													
8	44	1136	6.159	10	10													
9	45	1137	6.134	5	5		V											
10																		
11																		
12																		
13																		
14																		
15																		
16																		
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19																		
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22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 142

Cast # down: 44
Cast # up: 44

Time	LOC	UTC
Begin:		0850
Bottom:		0853
End:		0905

START POSITION (GPS)
LAT: 48 05 75
LONG: 125 30 49

BOTTOM POSITION (GPS)
LAT: 48 05 73
LONG: 125 30 48

END POSITION (GPS)
LAT: 48 05 68
LONG: 125 30 58

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: LA9 CAST NUMBER: 045 UTC DATE (dd/mm/yyyy): 19/09/2004

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	46			30+-10	✓ 347	X	X											Did not fire
2	47	1235	1.716	250	✓ 249	X												
3	48	1334	1.632	200	✓ 200	X												
4	49	1336	1.837	175	✓ 176													
5	50	1344	1.911	150	✓ 150													
6	51	1350	1.921	125	✓ 125													
7	52	1352	3.279	100	✓ 100													
8	53	1353	4.129	75	✓ 75													
9	54	1359	5.601	50	✓ 50													
10	55	1391	6.158	30	✓ 30													
11	56	1393	7.502	20	✓ 20													
12	57	1397	6.007	10	✓ 10	X												
13	58	1398	5.899	5	✓ 5			↓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 362

Cast # down: 45
Cast # up: 45

Time	LOC	UTC
Begin:		0954
Bottom:		10 02
End:		10 26

START POSITION (GPS)
LAT: 48 02.40
LONG: 125 36.99

BOTTOM POSITION (GPS)
LAT: 48 02.37
LONG: 125 36.99

END POSITION (GPS)
LAT: 48 02.25
LONG: 125 37.05

ROSETTE LOG

MISSION ID: 2004-29 STATION: LB8 CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 20/09/2004

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	59	1142	1.375	80+10	✓ 130		X											
2	60	1146	1.409	125	- 125													
3	61	1233	1.616	100	- 97													
4	62	1237	1.699	75	- 77													
5	63	1238	2.687	50	- 51													
6	64	1241	3.651	30	- 28													
7	65	1247	5.367	20	✓ 20													
8	66	1248	6.379	10	- 10													
9	67	1258	6.897	5	- 5		N											
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 138

Cast # down: 47

Cast # up: 47

Time	LOC	UTC
Begin:		0141
Bottom:		0144
End:		0154

START POSITION (GPS)

LAT: 48 25 29

LONG: 125 28 49

BOTTOM POSITION (GPS)

LAT: 48 25 34

LONG: 125 28 49

END POSITION (GPS)

LAT: 48 25 23

LONG: 125 28 59

ROSETTE LOG

MISSION ID: 2004-29 STATION: LB10 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 20 09 2004

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	68	1260	2.107	30-10	144		X											
2	69	1279	1.934	125														
3	70	1280	2.822	100														
4	71	1281	4.052	75														
5	72	1284	5.300	50														
6	73	1324	6.362	30														
7	74	1313	6.555	20														
8	75	1325	6.436	10														
9	76	1326	6.342	5														
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JULY

ENTERED BY: JL

CHECKED BY:

Bottom Depth: 210

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0341
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 18 52

LONG: 125 41 14

END POSITION (GPS)

LAT: 48 15 01

LONG: 125 47 53

ROSETTE LOG

MISSION ID: 2004-29 STATION: LB12 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 20 09 2004

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	77	1138	0.856	304-10														
2	78	1175	1.231	400														
3	79	1195	1.835	300	✓													
4	80	1206	1.861	250	✓													
5	81	1212	1.717	200														
6	82	1228	1.646	175														
7	83	1231	1.671	150														
8	84	1271	2.446	125														
9	85	1319	3.561	100														
10	86	1351	4.442	75														
11	87	1354	5.626	50														
12	88	1384	6.442	30														
13	89	1403	6.816	20														
14	90	1404	6.145	10														
15	91			5														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 514

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0506
Bottom:		
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 48 12 92

LONG: 125 51 77

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: LB 14 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 2010912004

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	92	1256	0.363	Bot + 10	✓ 1172	✓												
2	93	1267	0.260	1000	✓ 1000	✓												
3	94	1268	0.264	800	✓ 800	✓												
4	95	1272	0.575	600	✓ 602													
5	96	1273	0.804	500	✓ 500													
6	97	1274	1.105	400	✓ 401													
7	98	1276	1.673	300	✓ 302													
8	99	1278	1.970	250	- 250													
9	100	1440	2.070	200	- 200													
10	101	1441	2.643	175	- 174													
11	102	1442	2.979	150	- 150													
12	103	1443	2.782	125	- 124													
13	104	1444	3.803	100	- 102													
14	105	1445	4.471	75	- 74													
15	106	1446	5.701	50	- 50													
16	107	1447	6.341	30	- 30													
17	108	1448	6.168	20	- 20													
18	109	1449	6.000	10	- 10													
19	110	1450	5.981	5	- 5													
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1186

Cast # down: 20

Cast # up: 20

Time	LOC	UTC
Begin:		0707
Bottom:		0724
End:		0756

START POSITION (GPS)

LAT: 48 08 .52

LONG: 126 00 .02

BOTTOM POSITION (GPS)

LAT: 48 08 59

LONG: 126 00 01

END POSITION (GPS)

LAT: 48 08 57

LONG: 126 00 19

ROSETTE LOG

MISSION ID: STATION: LB15 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 20/09/2004

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	111			301-10	1552	-												
2	112			1000	1000	-												
3	113			800	796	-												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1560

Cast # down: 54

Cast # up: 54

Time	LOC	UTC
Begin:		0855
Bottom:		0916
End:		0941

START POSITION (GPS)

LAT: 48 04.39

LONG: 126 08.39

BOTTOM POSITION (GPS)

LAT: 48 04.35

LONG: 126 08.47

END POSITION (GPS)

LAT: 48 04.32

LONG: 126 08.70

ROSETTE LOG

MISSION ID: 2009-29 STATION: LD11 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 21 09 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	114			Bot-10	1599	X												
2	115			1250	✓	X												
3	116			1000	✓	X												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY: JL

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0310
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 28 84
LONG: 126 42 89

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-29 STATION: LD10 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 21 09 2004

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	0117*			1470		✓												
2	0118*			1000		✓												
3	0119*			345		✓												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: JL
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0434
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 32 18
LONG: 126 36 65

END POSITION (GPS)
LAT:
LONG:

Comments: * changed to 9117, 9118, 9119 due to duplication in cast #58 Cal samples G. Galvan bam 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2004-29 STATION: LD8 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 21 09 2004

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	117	1256	0.380	Bottom ⁺¹⁰	-	764												
2	118	1267	0.693	600	-	600												
3	119	1268	1.111	500	-	500												
4	120	1272	1.638	400	-	400												
5	121	1273	2.101	300	-	299												
6	122	1274	2.367	250	-	250												
7	123	1276	2.683	200	-	200												
8	124	1278	3.249	175	-	174												
9	125	1440	3.754	150	-	149												
10	126	1441	4.031	125	-	125												
11	127	1442	4.146	100	-	100												
12	128	1443	4.802	75	-	75												
13	129	1445	5.551	50	-	51												
14	130	1444	6.291	30	-	30												
15	131	1446	6.123	20	-	20												
16	132	1447	6.274	10	-	10												
17	133	1448	6.072	5	-	5												
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 779

Cast # down: 59

Cast # up: 59

Time	LOC	UTC
Begin:		0647
Bottom:		0658
End:		0728

START POSITION (GPS)

LAT: 48 39 19

LONG: 126 23 39

BOTTOM POSITION (GPS)

LAT: 48 39 16

LONG: 126 23 31

END POSITION (GPS)

LAT: 48 39 07

LONG: 126 23 25

ROSETTE LOG

MISSION ID: 2009-29 STATION: LD6 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 21 09 2004

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	134			Bot + 10	- 127													I did not trip.
2	135	1175	1.783	125	- 126													
3	136	1195	2.172	100	- 100													
4	137	1206	3.089	75	- 75													
5	138	1212	3.345	50	- 51													
6	139	1228	5.107	30	- 30													
7	140	1231	5.359	20	- 20													
8	141	1271	6.357	10	- 10													
9	142	1319	6.767	5	- 5													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 125

Cast # down: 61

Cast # up: 61

Time	LOC	UTC
Begin:		0916
Bottom:		0920
End:		0929

START POSITION (GPS)

LAT: 48 46.18

LONG: 126 10.26

BOTTOM POSITION (GPS)

LAT: 48 46.18

LONG: 126 10.27

END POSITION (GPS)

LAT: 48 46 20

LONG: 126 10 25

ROSETTE LOG

MISSION ID: 2004-29 STATION: LD4 CAST NUMBER: 63 UTC DATE (dd/mm/yyyy): 21/09/2004

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	143	1351	4.251	Bot-10	-	53												
2	144	1384	4.378	50	-	50												
3	145	1354	4.715	30	-	30												
4	146	1404	5.088	20	-	20												
5	147	1403	5.721	10	-	10												
6	148	1406	6.350	65	-	5												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 63

Cast # down: 63
Cast # up: 63

Time	LOC	UTC
Begin:		1107
Bottom:		1109
End:		1116

START POSITION (GPS)

LAT: 48 53 16

LONG: 125 57 08

BOTTOM POSITION (GPS)

LAT: 48 53 17

LONG: 125 57 15

END POSITION (GPS)

LAT: 48 53 21

LONG: 125 57 31

ROSETTE LOG

MISSION ID: 2004-29

STATION: LG02

CAST NUMBER: 65

UTC DATE (dd/mm/yyyy): 22/09/2004

Wrong date in file.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	149	1142	2.901	Bot-10	89			X										
2	150	1146	3.015	75	75													
3	151	1233	3.355	50	51													
4	152	1237	3.769	30	30													
5	153	1238	6.058	20	20													
6	154	1241	6.480	10	8													
7	155	1247	6.369	5	4			N										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 100

Cast # down: 65

Cast # up: 65

Time	LOC	UTC
Begin:		2345
Bottom:		2344
End:		2354

START POSITION (GPS)

LAT: 49 18 72

LONG: 126 38 08

BOTTOM POSITION (GPS)

LAT: 49 18 70

LONG: 126 38 08

END POSITION (GPS)

LAT: 49 18 67

LONG: 126 38 15

ROSETTE LOG

MISSION ID: 2004-24 STATION: L604 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 23/09/2004

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	156	1248	1.923	357-10	-	132												
2	157	1258	1.927	125	-	126												
3	158	1260	2.649	100	-	100												
4	159	1279	3.942	75	-	45												
5	160	1280	4.010	50	-	51												
6	161	1281	4.426	30	-	31												
7	162	1284	5.172	20	-	18												
8	163	1324	6.297	10	-	9												
9	164	1313	6.284	5	-	5												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 147

Cast # down: 67

Cast # up: 67.

Time	LOC	UTC
Begin:		0149
Bottom:		0153
End:		0204

START POSITION (GPS)

LAT: 49 11 29

LONG: 126 49 38

BOTTOM POSITION (GPS)

LAT: 49 11 28

LONG: 126 49 41

END POSITION (GPS)

LAT: 49 11 26

LONG: 126 49 31

ROSETTE LOG

MISSION ID: 2004-29 STATION: LCO6 CAST NUMBER: 6669 UTC DATE (dd/mm/yyyy): 23 09 2004

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	165			Bot-10	940													
2	166			800														
3	167	1195	0.584	600	598													
4	168	1206	0.891	500														
5	169	1212	1.226	400														
6	170	1228	1.696	300														
7	171	1231	1.821	250														
8	172	1271	1.998	200														
9	173	1319	3.163	175														
10	174	1351	3.258	150														
11	175	1384	3.596	125														
12	176	1354	3.984	100 75														
13	177	1403	6.473	75 50														
14	178	1404	6.657	50 30														
15	179	1406	6.601	30 20														
16	180	1411	6.205	20 10														
17	181	1417	6.134	10 5														
18	182			5														
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: JL
CHECKED BY: DA

Bottom Depth: 950

Cast # down: 66 69
Cast # up: 66 69

Time	LOC	UTC
Begin:		0325
Bottom:		0401
End:		0420

START POSITION (GPS)
LAT: 49 03 47
LONG: 127 1 04

BOTTOM POSITION (GPS)
LAT: 49 03 37
LONG: 127 00 68

END POSITION (GPS)
LAT: 49 03 12
LONG: 127 0 68

Comments: Bottles # 1 and #2 did not fire but showed a response in the lab.
Bottle at 100 metres was not fired (my error JL)

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF01 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 22/09/2004

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	183	1267	4.895	35	✓													
2	184	1256	4.895	20	✓													
3	185	1268	5.405	10	✓													
4	186	1272	6.019	0	✓													
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 30 ?

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1530
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 5 54
LONG: 125 11 60

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF02 CAST NUMBER: 72 UTC DATE (dd/mm/yyyy): 22 23 09 2004

Niskin No.		Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
					Sample Depth	Confirmed pressure														
							SAL		NUT		TCO		C13							
								OXY					ALK		CHL					
3	1	187	1273	0.313	B-5	6.8		↑												
4	2	188	1274	0.438	50															
5	3	189	1276	3.827	30															
6	4	190	1278	4.492	20															
7	5	191	1440	4.964	10															
8	6	192	1441	6.031	0			↓												
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 75?

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		1551

START POSITION (GPS)
LAT: 49 4 49
LONG: 125 10 29

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF03 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 22 25 09 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
						OXY				ALK		CHL						
31	193	1442	0.000	Bot + 5	/													ANOXIC
42	194	1443	0.000	100	/													"
53	195	1445	0.000	75	/													"
64	196	1444	0.871	50	/													
75	197	1446	3.816	30	/													
86	198	1447	4.259	20	/													
97	199	1448	4.670	10	/													
108	200	1449	5.627	0	/													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 107?

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		16.12

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 4 23
LONG: 125 9 36

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF04 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 22 28 09 2004

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	201	1450	2.317	Bot + 5	5.3													
2	202	1451	3.730	30	/													
3	203	1452	4.275	20	/													
4	204	1453	4.662	10	/													
5	205	1454	5.920	0	/													
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 60?

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1628
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 3 11
LONG: 125 8 58

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF05 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 23 09 2004

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	206	1142	0.000	Bot+5	✓ 198													ANOXIC
2	207	1146	0.000	198	✓ 198													"
3	208	1233	0.000	175	✓ 175													"
4	209	1237	0.050	150	✓ 150													
5	210	1238	1.004	125	✓ 125													
6	211	1241	1.110	100	✓ 100													
7	212	1247	1.135	75	✓ 75													
8	213	1248	1.801	50	✓ 50													
9	214	1258	3.720	30	✓ 30													
10	215	1260	4.243	20	✓ 20													
11	216	1279	4.629	10	✓ 10													
12*	217	A1280	5.445	0	✓ 0													EXTRA BOTTLE IN NUMBER SEQUENCE
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 205?

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		1652

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 251
LONG: 125 9 20

Comments: *Error in Niskin #5
There were two samples taken from Niskin 50 list on left is the true depth of sample

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF06 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 22 09 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
3	1	217	1284	0.652	Bot 1.5	✓												
4	2	218	1281	0.963	125	✓												
5	3	219	1324	1.109	100	✓												
6	4	220	1313	1.255	75	✓												
7	5	221	1325	2.043	50	✓												
8	6	222	1326	3.841	30	✓												
9	7	223	1327	4.370	20	✓												
10	8	224	1428	4.693	10	✓												
11	9	225	1429	6.473	0	✓												
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 150

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:	17:11	
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 1 65
LONG: 125 9 26

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF07 CAST NUMBER: 77 UTC DATE (dd/mm/yyyy): 25 09 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												S/N	Dark no.	do m/l
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13								
1	226	535	1111	Bot+5	112													226	535	1.111
2	227	544		100	100													227	364	1.139
3	228	572		75	74.9													228	572	1.253
4	229	657		50	50													229	657	2.059
5	230	708		30	29.9													230	708	3.639
6	231	1130		20	20													231	1130	4.204
7	232			10	9													232	1135	4.697
8	233			0	0													233	1136	5.654
9																		234		
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: TULLY
ENTERED BY: _____
CHECKED BY: _____

Bottom Depth: 120?

Cast # down: _____
Cast # up: _____

Time	LOC	UTC
Begin:		
Bottom:		<u>1732</u>
End:		

START POSITION (GPS)
LAT: _____
LONG: _____

BOTTOM POSITION (GPS)
LAT: _____
LONG: _____

END POSITION (GPS)
LAT: 49 01 25
LONG: 125 09 38

ROSETTE LOG

MISSION ID: 2004-29 STATION: EFF08 CAST NUMBER: 78 UTC DATE (dd/mm/yyyy): 25 09 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
3	1	235	1176	1.294	Bottom	80.3												235
4	2	236	1235	1.301	75	✓												236
5	3	237	1334	2.019	50	✓												237
6	4	238	1336	3.524	30	✓												238
7	5	239	1344	4.326	20	✓												239
8	6	240	1350	4.808	10	✓												240
9	7	241	1352	5.235	0	✓												241
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

22
25 09 2004

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 86

Cast # down: 80

Cast # up:

Time

LOC

UTC

Begin:

Bottom: 1755

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49 0064

LONG: 125 10 27