

ROSETTE LOG

MISSION ID: 2004-07 STATION: ERO4-07 CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 09/07/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	1			2000	✓ 1996	X												
2	2			1750	✓ 1750	X												
3	3			1500	✓ 1500	X												
4	4			10	- 12	X												
5																		
6																		
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: 2073

Cast # down: 7

Cast # up: 7

TimeLOCUTC

Begin:1723

Bottom:1745

End:1816

START POSITION (GPS)

LAT: 47 57 .99

LONG: 129 05 .97

BOTTOM POSITION (GPS)

LAT: 47 57 .99

LONG: 129 05 .98

END POSITION (GPS)

LAT: 47 58 .00

LONG: 129 06 .00

ROSETTE LOG

MISSION ID: 2004-22 STATION: ERO4-10 CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 10/07/2004

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	5			2000	✓ 2000	✓												Did not fire, hatch broke.
2	6			1750	✓ 1750	✓												
3	7			1500	✓ 1500	✓												
4	8			10	✓ 10	✓												
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TAI

ENTERED BY: Bo

CHECKED BY: Bo

Bottom Depth: 2334

Cast # down: 9

Cast # up: 9

TimeLOCUTC

Begin: 02320102

Bottom: 0301

End: 0328

START POSITION (GPS)

LAT: 47 55.99 47 58.03

LONG: 129 03.97 129 02.01

BOTTOM POSITION (GPS)

LAT: 47 56.03

LONG: 129 03.97

END POSITION (GPS)

LAT: 47 56.06

LONG: 129 03.99

ROSETTE LOG

MISSION ID: 2004-22 STATION: CAP-1 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 10/07/2004

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	9			2000	- 2000	X												
2	10			1750	- 1752	X												
3	11			1500	- 1500	X												
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: 2147

Cast # down: 12

Cast # up: 12

Time

LOC

UTC

Begin: 1458

Bottom: 1524

End:

START POSITION (GPS)

LAT: 47 56.48

LONG: 129 05.52

BOTTOM POSITION (GPS)

LAT: 47 56.50

LONG: 129 05.51

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: ERO4-C9 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 10/

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample	Confirmed	SAL		NUT		TCO		C13						
				Depth	pressure		OXY				ALK		CHL					
1	12			2000	- 2001	X												
2	13			1750	- 1752	X												
3																		
4																		
5																		
6																		
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: 2328

Cast # down: 14

Cast # up: 14

TimeLOCUTC

Begin:1745

Bottom:1819

End:

START POSITION (GPS)

LAT: 47 54.99

LONG: 129 05.00

BOTTOM POSITION (GPS)

LAT: 47 54.98

LONG: 129 04.99

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: 595 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	14																	
2	15																	
3																		
4																		
5																		
6																		
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:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: BR04 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 12/07/2004

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				2605	✓												
2	15				2550	✓												
3	16				2450	✓												
4																		
5																		
6																		
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:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)

LAT: 48° 2.85

LONG: 128 30.01

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48 03 34.3'

LONG: 128° 29.985'

ROSETTE LOG

MISSION ID: 2004-22 STATION: ERO4-22 ^{14 ← 17} CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 12/07/2004

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	17			2500	✓	✓												
2	18			2250	✓ 2250	✓												
3	19			2000		✓												
4																		
5																		
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: 2633

Cast # down: 19
Cast # up: 9

Time	LOC	UTC
Begin:		0628
Bottom:		0704
End:		

START POSITION (GPS)
LAT: 48° 10.982'
LONG: 127° 29.947'

BOTTOM POSITION (GPS)
LAT: 48 11.04
LONG: 127 30.06

END POSITION (GPS)
LAT: 48 11.04
LONG: 127 30.01

ROSETTE LOG

MISSION ID: 2004-22 STATION: LC12 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 12/07/2004

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	20					✓												
2	21					✓												
3	22					✓												
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: 2004-22 STATION: LC12-12 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 12 JULY 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	20			2551														
2	21			2531														
3	22			2511														
4																		
5																		
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: 2551

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1229
Bottom:		1305
End:		

START POSITION (GPS)

LAT: 48 14.993

LONG: 126 40.142

BOTTOM POSITION (GPS)

LAT: 48 14.998

LONG: 126 40.021

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 7004 STATION: LC11 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 12/07/2004

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	23	1138	0.715	B-5	1482	✓												
2	24	1142	0.393	1200	1200													
3	25	1146	0.265	1000	1000	✓												
4	26	1228	0.725	800	802													
5	27	1233	0.728	500	501													
6	28	1237	1.289	400	401													
7	29	1241	1.725	300	300													
8	30	1247	1.971	250	250													
9	31	1256	2.392	200	201													
10	32	1267	3.466	175	175													
11	33	1268	3.832	150	151													
12	34	1273	4.362	125	125													
13	35	1274	5.383	100	100													
14	36	1276	6.173	75	76													
15	37	1278	6.389	50	49													
16	38	1281	6.500	30	30													
17	39	1284	6.473	20	20													
18	40	1324	6.069	10	9													
19	41	1325	6.036	0	0.5													
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 1482

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1458
Bottom:		1521
End:		1600

START POSITION (GPS)
LAT: 48°18.889
LONG: 126°26.716

BOTTOM POSITION (GPS)
LAT: 48°18.935'
LONG: 126°26.695'

END POSITION (GPS)
LAT: 48°18.978'
LONG: 126°26.686'

ROSETTE LOG

MISSION ID: 2004-22 STATION: LCO9 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 12/07/2004

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	42	1435	0.520	13-10	595	x										
2	43	1313	0.898	1500	500	x										
3	44	1458	1.035	400	400	x										
4	45	1328	1.440	300	300											
5	46	1460	1.821	250	250											
6	47	1438	2.412	200	200											
7	48	1439	2.572	175	175											
8	49	1440	3.049	150	149											
9	50	1441	3.648	125	125											
10	51	1442	4.587	100	101											
11	52	1443	5.304	75	75											
12	53	1445	6.281	50	51											
13	54	1444	6.372	30	30											
14	55	1446	6.572	20	20											
15	56	1447	6.406	10	11											
16	57	1448	6.265	0	1											
17																
18	59															
19																
20																
21																
22																
23																
24																

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 607

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1810
Bottom:		1820
End:		1846

START POSITION (GPS)

LAT: 48° 25.963

LONG: 126° 13.668

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48° 25.945

LONG: 126° 13.696

ROSETTE LOG

MISSION ID: 2004-22 STATION: LC08 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 12/07/2004

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	58	1449	1.827	80-10	✓	197	X	X										
2	59	1450	2.176	75	✓	175	X											
3	60	1451	2.619	150	✓	152												
4	61	1452	3.416	125	✓	125												
5	62	1453	4.175	100	✓	100												
6	63	1454	5.123	75	✓	75												
7	64	1455	5.720	50	✓	51												
8	65	1456	6.025	30	✓	30												
9	66	1457	6.017	20	✓	20												
10	67	1459	6.636	10	✓	10												
11	68			0	✓	3												No Sample
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2004-22 STATION: LCO7 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 12/07/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			ALK		CHL						
1	69	1153	2.223	Bot -10	-	125												
2	70	1158	2.689	100	-	102												
3	71	1175	3.703	75	-	75												
4	72	1271	5.174	50	-	51												
5	73	1195	5.821	30	-	31												
6	74	1404	5.901	20	-	20												
7	75	1411	6.507	10	-	10												
8	76	1425	7.270	0	-	2												
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 130

Cast # down: 26
Cast # up: 26

Time	LOC	UTC
Begin:		2044
Bottom:		2047
End:		

START POSITION (GPS)
LAT: 48 32.92
LONG: 126 00.39

BOTTOM POSITION (GPS)
LAT: 48 32.91
LONG: 126 00.40

END POSITION (GPS)
LAT: 48 32.89
LONG: 126 04.44

ROSETTE LOG

MISSION ID: 2604-22 STATION: LCO-1 CAST NUMBER: 291 UTC DATE (dd/mm/yyyy): July 12, 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	77	1138	2.819	Bot-10	163	x												
2	78	1142	2.705	100	100													
3	79	1146	2.678	75	77													
4	80	1128	2.885	50	51													
5	81	1233	3.551	30	31													
6	82	1237	4.199	20	21													
7	83	1241	7.716	10	11													
8	84	1242	7.898	0	1													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JULY
ENTERED BY:
CHECKED BY:

Bottom Depth: 167

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2324
Bottom:		2336
End:		2344

START POSITION (GPS)
LAT: 48 43 43
LONG:

BOTTOM POSITION (GPS)
LAT: 48 43.414
LONG: 125 40.902

END POSITION (GPS)
LAT: 48 43-387
LONG: 125 40 760

ROSETTE LOG

MISSION ID: 2004-22 STATION: LCO2 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): July 13, 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	85	1435	2.579	Bot - 10	103		✓											
2	86	1313	2.960	75	76.5													
3	87	1458	3.346	50	50.2													
4	88	1328	3.796	30	30.3													
5	89	1460	4.468	20	19.8													
6	90	1438	8.759	10	10.03		✓											
7	91	1439	9.047	0	2													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 111

Cast # down:

Cast # up:

TimeLOCUTC

Begin: 011400

Bottom: 012130

End: 013017

START POSITION (GPS)

LAT: 48 48 678

LONG: 125 30 965

BOTTOM POSITION (GPS)

LAT: 48 48 662

LONG: 125 31 004

END POSITION (GPS)

LAT: 48 48 678

LONG: 125 31 096

ROSETTE LOG

MISSION ID: 2004-22 STATION: LE01 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): July 13, 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	92	1440	2.603	807-10	87.5													
2	93	1256	2.787	75	75.1													
3	94	1268	3.433	50	50.7													
4	95	1267	3.786	30	29.6													
5	96	1273	4.909	20	19.6													
6	97	1274	5.628	10	10.0													
7	98	1278	9.345	0	0.97													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 97

Cast # down:

Cast # up:

TimeLOCUTC

Begin: 020600

Bottom: 020846

End: 021635

START POSITION (GPS)

LAT: 48 50 470

LONG: 125 27 763

BOTTOM POSITION (GPS)

LAT: 48 50 466

LONG: 125 27 815

END POSITION (GPS)

LAT: 48 50 470

LONG: 125 27 935

ROSETTE LOG

MISSION ID: 2004-27 STATION: EF16 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): July 13 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	99	1276	2.416	Bot-10	105	✓												wrong flask to use, see actually in E2013 file
2	100	1441	2.561	75	75													
3	101	1442	3.284	50	50													
4	102	1443	3.837	30	30													
5	103	1445	4.284	20	20													
6	104	1444	6.697	10	10													
7	105	1446	9.787	0														
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: 110

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		<u>322</u>
Bottom:		<u>325</u>
End:		

START POSITION (GPS)

LAT: 48 47 59

LONG: 125 15 94

BOTTOM POSITION (GPS)

LAT: 48 47 55.60

LONG: 125 15.94

END POSITION (GPS)

LAT: 48 47.53

LONG: 125 15.97

Comments:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF13 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 13/07/2004

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	106	1447	B-5	100	2.397													
2	107	1448	75	75	2.283													
3	108	1449	50	50	2.539													
4	109	1450	30	30	3.344													
5	110	1451	20	20	3.973													
6	111	1452	10	10	5.079													
7	112	1453	0	0	7.736													
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: 108

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0518
Bottom:		
End:		

START POSITION (GPS)

LAT: 4856.509'

LONG: 125° 10.712'

BOTTOM POSITION (GPS)

LAT: 518

LONG: 710

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: A101 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 13/07/2004

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	113	1403	2.341	13-5	229	✓												
2	114	1426	2.321	175	175													
3	115	1427	2.294	150	150													
4	116	1430	2.093	125	125													
5	117	1406	2.052	100	100													
6	118	1228	1.738	75	75													
7	119	1231	2.060	50	50													
8	120	1319	2.780	30	30													
9	121	1351	3.133	20	20													
10	122	1406	4.082	10	10													
11	123	1417	6.850	0														
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 230

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		656
Bottom:		701
End:		

START POSITION (GPS)
LAT: 48° 57.002
LONG: 125° 01.530

BOTTOM POSITION (GPS)
LAT: 48° 57.000'
LONG: 125° 01.524'

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EFO1 CAST NUMBER: 039 UTC DATE (dd/mm/yyyy): 14/07/2004

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	124	1153	0.727	B-5		36												
2	125	1158	0.658	30		30												
3	126	1175	0.717	20		20												
4	127	1271	0.851	10		10												
5	128	1195	6.704	0														
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 35

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1417
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 05. 56
LONG: 125 11. 60

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF02 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 13/07/2004

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	129	1404	0.647	B-5	68													
2	130	1411	0.882	50	50													
3	131	1425	1.163	30	30													
4	132	1403	1.463	20	20													
5	133	1426	2.475	10	10													
6	134	1427	7.091	0	2.3													
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: 72

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1512
Bottom:		
End:		1518

START POSITION (GPS)
LAT: 49 5.003
LONG: 125 10.300

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF2A CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 13 JULY 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	135	1430	0.025	Bot		100												H ₂ S Smell
2	136	1206	0.224	75		85												anoxic) Titration values meaningless
3	137	1228	0.012	50		75												③ ↓
4	138	1231	1.392	30		50												
5	139	1319	1.576	20		30												
6	140	1351	2.052	10		20												
7	141	1406	2.650	0		10												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JP TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 105

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1533
Bottom:		
End:		1544

START POSITION (GPS)

LAT: 49° 4.494

LONG: 125° 9.770

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49° 4.494

LONG: 125° 9.764

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF03 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 13 JULY 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	142	1417	0.034	Bot	✓	117												ANOXIC
2	143	1431	0.026	100	✓	100												ANOXIC
3	144	1421	0.265	75	✓	80												ANOXIC
4	145	1422	1.454	50	✓	50												
5	146	1424	1.923	30	✓	30												
6	147	1454	2.314	20	✓	20												
7	148	1484	3.810	10	✓	10												
8	149	1482	7.916	Ø														
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JP TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 123 m

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1557
Bottom:		1607
End:		1607

START POSITION (GPS)
LAT: 49°4.238
LONG: 125°9.407

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49°
LONG: 125°

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF034 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 13/07/2004

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	150	1212	0.000	B-5	✓ 90													ANOXIC
2	151	1138	0.252	75	✓ 75													
3	152	1142	1.741	50	✓ 50													
4	153	1146	1.836	30	✓ 30													
5	154	1128	2.727	20	✓ 20													
6	155	1233	3.661	10	✓ 10													
7	156	1237	7.332	0	✓ 0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 90 m

Cast # down: 1629 UTC
Cast # up:

Time	LOC	UTC
Begin:		1629
Bottom:		
End:		1635

START POSITION (GPS)
LAT: 49 3.806
LONG: 125 9.080

BOTTOM POSITION (GPS)
LAT: 49 3.802
LONG: 125 9.080

END POSITION (GPS)
LAT: 49 3.802
LONG: 125 9.084

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF04 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 13/07/2004

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	157	1241	1.473	B-S	✓ 68													
2	158	1247	1.689	30X	✓ 50													
3	159	1435	2.464	20	✓ 20													
4	160	1313	5.058	10	✓ 10													
5	161	14158	7.720	0	✓ 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: 68 m

Cast # down: 1650 UTC

Cast # up: 1655

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 49 3.107

LONG: 125 8.605

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49 3.096

LONG: 125 8.612

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF04 A CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 13/07/2004

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	162	1328	1.524	B-5	✓ 102													No Anoxia
2	163	1460	1.559	75	✓ 75													
3	164	1438	1.733	50	✓ 50													
4	165	1439	2.199	30	✓ 30													
5	166	1281	2.528	20	✓ 20													
6	167	1284	3.329	10	✓ 10													
7	168	1324	4.303	0	✓ 0													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 108 m

Cast # down: 1705 UTC
Cast # up:

Time	LOC	UTC
Begin:		1705
Bottom:		
End:		1714

START POSITION (GPS)
LAT: 49° 2.996
LONG: 125° 8.858

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 2.962
LONG: 125 8.902

ROSETTE LOG

MISSION ID: 2004-22

STATION: EFF05A

CAST NUMBER: 47

UTC DATE (dd/mm/yyyy): 13/07/2004

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	169	1325	0.00	B-5	✓ 195													Anoxic to about 130 m
2	170	1326	0.00	175 x	✓ 185													
3	171	1327	0.00	150 x	✓ 175													
4	172	1429	0.049	125 x	✓ 150													
5	173	1238	1.049	100 x	✓ 125													
6	174	1248	1.523	75 x	✓ 100													
7	175	1260	1.545	50 x	✓ 75													Large bubble
8	176	1279	1.439	30 x	✓ 50													
9	177	1280	2.573	20	✓ 20													
10	178	1258	4.412	10	✓ 10													
11	179	1270	7.813	0	✓ 0													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

120 fms

ROSETTE LOG

MISSION ID: 2004-22 STATION: EFOS CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 13/07/2004

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	180	1440	0.000	13.5	✓ 200													ANOXIC
2	181	1256	0.000	175	✓ 190													"
3	182	1268	0.000	150 x	✓ 175													"
4	183	1267	0.023	125 x	✓ 150													
5	184	1273	0.437	100 x	✓ 125													Small creature (phyto) in sample
6	185	1274	1.172	75 x	✓ 100													
7	186	1278	1.054	50 x	✓ 75													
8	187	1276	2.313	30	✓ 30													
9	188	1442	2.517	20	✓ 20													
10	189	1441	5.220	10	✓ 10													
11	190	1443	7.739	0	✓ 0													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tulu
ENTERED BY:
CHECKED BY:

Bottom Depth: 204 m

Cast # down: 1758 UTC
Cast # up:

Time	LOC	UTC
Begin:		1758
Bottom:		
End:		1813

START POSITION (GPS)
LAT: 49 2.548
LONG: 125 9.146

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 2.55
LONG: 125 9.13

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF06 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 13/07/2004

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	191	1445	0.115	B-5	✓ 150													
2	192	1444	0.025	125*	✓ 145													
3	193	1446	0.521	100*	✓ 135													
4	194	1447	1.921	75*	✓ 100													
5	195	1448	1.761	50*	✓ 75													
6	196	1449	1.754	30*	✓ 30													
7	197	1450	2.311	20*	✓ 10													
8	198	1451	4.032	10*	✓ 5													
9	199	1452	7.606	0	✓ 0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: Tully

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 152m

Cast # down: 1826 UTC

Cast # up: _____

Time LOC UTC

Begin: _____

Bottom: _____

End: _____

START POSITION (GPS)

LAT: 49° 1.792

LONG: 125° 9.187

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: 49 1.725

LONG: 125 9.184

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF07 CAST NUMBER: 50 UTC DATE (dd/mm/yyyy): 13/07/2004

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	200	1454	1.914	B-5	✓ 120													
2	201	1455	1.951	100	✓ 100													
3	202	1456	1.732	75	✓ 75													
4	203	1457	1.877	50	✓ 50													
5	204	1459	2.680	30	✓ 30													
6	205	1272	3.407	20	✓ 20													
7	206	1153	4.690	10	✓ 10													
8	207	1158	8.119	0	✓ 0													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 122 m

Cast # down: 1912 UTC

Cast # up:

TimeLOCUTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 49° 1.249

LONG: 125° 9.469

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF7A CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 13/07/2004

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	208	1175	2.528	Bot-5	✓ 75													Problem w/ Titration
2	209	1271	1.938	75 *	✓ 50													
3	210	1195	2.599	50 *	✓ 30													
4	211	1404	3.011	20	✓ 20													
5	212	1411	3.846	20	✓ 10													
6	213	1425	7.381	10	✓ 5													
7	214	1403	7.941	0	✓ 0													
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: 84m

Cast # down:

Cast # up:

TimeLOCUTC

Begin: 1935 UTC

Bottom:

End:

START POSITION (GPS)

LAT: 49 0.916

LONG: 125 9.821

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49 0.869

LONG: 125 9.925

ROSETTE LOG

MISSION ID: 2004-22 STATION: EFFF08 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 13/07/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	215	1426	1.814	Bot-10	✓	75												
2	216	1427	1.862	50	✓	50												
3	217	1430	2.705	30	✓	30												
4	218	1206	3.033	20	✓	20												
5	219	1228	3.076	10	✓	10												
6	220	1231	7.762	0	✓													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 86m

Cast # down: 2000 UTC
Cast # up:

Time	LOC	UTC
Begin:	49	0.668
Bottom:	125	10.246
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49
LONG: 125

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF09 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 13 JULY 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	221	1319	1.894	Bot	✓ 60											
2	222	1351	1.737	50	✓ 50											
3	223	1406	2.557	30	✓ 30											
4	224	1417	3.044	20	✓ 20											
5	225	1431	3.936	10	✓ 10											
6	226	1421	2.142	5	✓ 0											
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: JPTULCY

ENTERED BY:

CHECKED BY:

Bottom Depth: 63 m

Cast # down: 2021 UTC

Cast # up:

TimeLOCUTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT: 49° 0.113'

LONG: 125 10.840

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 49°

LONG: 125°

Saved as EF08

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF10 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 13 JULY 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	227	1422	1.797	Bottom	✓ 98											
2	228	1424	2.073	75	✓ 75											
3	229	1354	1.984	50	✓ 50											
4	230	1482	2.824	30	✓ 30											
5	231	1384	3.163	20	✓ 20											
6	232	1212	3.759	10	✓ 10											
7	233	1138	6.502	0	✓ 0											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: JP TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 102m

Cast # down: 2040 UTC

Cast # up: 2048

TimeLOCUTC

Begin: 48° 59.850

Bottom: 125° 11.221

End:

START POSITION (GPS)

LAT: 48 59.850

LONG: 125° 11.221

BOTTOM POSITION (GPS)

LAT: 48 59.

LONG: 125° 11.

END POSITION (GPS)

LAT: 48 59.80

LONG: 125 11.256

Comments:

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF11 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 13/07/2004

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	234	1142	1.766	Bot	✓ 88											
2	235	1146	2.044	75	✓ 75											
3	236	1428	2.069	50	✓ 50											
4	237	1233	2.940	30	✓ 30											
5	238	1237	3.257	20	✓ 20											
6	239	1241	4.399	10	✓ 10											
7	240	1247	7.882	0	✓ 0											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 990 m

Cast # down: 2101
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 59.140
LONG: 125 11.062

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48
LONG: 125

ROSETTE LOG

MISSION ID: 2004-22 STATION: EF12 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 13/07/2004

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	241	1439	2.162	807.5	✓ 90													
2	242	1313	2.087	75	✓ 75													
3	243	1458	2.249	50	✓ 50													
4	244	1328	3.088	30	✓ 30													
5	245	1460	3.470	20	✓ 20													
6	246	1438	5.004	10	✓ 10													
7	247	1435	7.590	0	✓ 0													
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: 98

Cast # down: 242 m
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 57.995
LONG: 125 10.514

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48 58.004
LONG: 125 10.504

ROSETTE LOG

MISSION ID: 2004-22 STATION: L302 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 14/07/2004

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	248	1440	2.793	ROT-10	55													
2	249	1256	4.255	30	30													
3	250	1268	4.499	20	20													
4	251	1267	5.976	10	10													
5	252	1273	5.909	0	2													
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Wally
ENTERED BY:
CHECKED BY:

Bottom Depth: 66

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0110
Bottom:		0113
End:		0117

START POSITION (GPS)
LAT: 48 39.019
LONG: 125 2.446

BOTTOM POSITION (GPS)
LAT: 48 39.040
LONG: 125 2.446

END POSITION (GPS)
LAT: 48 39.072
LONG: 125 2.461

Comments:

ROSETTE LOG

MISSION ID: 2004-22 STATION: LB04 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 14/07/2004

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	253	1142	1.760	13.5	109													
2	254	1146	2.710	75	76													
3	255	1128	3.902	50	50													
4	256	1233	4.355	30	30													
5	257	1237	4.889	20	20													
6	258	1241	5.031	10	11													
7	259	1247	5.643	0														
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tuller

ENTERED BY:

CHECKED BY:

Bottom Depth: 114

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0336
Bottom:		0340
End:		0345

START POSITION (GPS)

LAT: 48°35.672

LONG: 125°08.783

BOTTOM POSITION (GPS)

LAT: 48°35.681

LONG: 125°08.850

END POSITION (GPS)

LAT: 48°35.716

LONG: 125°08.972

ROSETTE LOG

MISSION ID: 2004-22 STATION: LB06 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 14/07/2004

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	260	1439	1.504	B-5	111	✓												
2	261	1313	1.653	100	✓ 100	✓												
3	262	1458	1.896	75	75													
4	263	1328	3.064	50	50													
5	264	1460	3.098	30	30													
6	265	1438	3.429	20	20													
7	266	1435	4.481	10	11													
8	267	1281	5.988	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: 117

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0455
Bottom:		0458
End:		0504

START POSITION (GPS)

LAT: 48°32.174

LONG: 125°15.529

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: LB09 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 14/07/2004

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	268	1284	1.787	8-5	✓ 149	x												
2	269	1324	1.682	125	✓ 125													
3	270	1325	1.658	100	✓ 100													
4	271	1326	3.608	75	- 75													
5	272	1327	3.393	50	✓ 50													
6	273	1429	4.154	30	- 30													
7	274	1238	5.040	20	- 20													
8	275	1248	6.732	10	- 10													
9	276	1260	7.575	0	✓ 2													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 152

Cast # down: 65

Cast # up: 65

Time	LOC	UTC
Begin:		0749
Bottom:		0754
End:		0805

START POSITION (GPS)

LAT: 48 21.97

LONG: 125 34.82

BOTTOM POSITION (GPS)

LAT: 48 21.97

LONG: 125 34.80

END POSITION (GPS)

LAT: 48 22 00

LONG: 125 34 79

ROSETTE LOG

MISSION ID: 2004-22 STATION: 2812 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 14/07/2004

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	277	1278	0.835	301-10	510	X												
2	278	1276	1.084	400	401	X												
3	279	1442	1.488	300	300													
4	280	1443	1.805	250	250													
5	281	1444	2.666	200	200													
6	282	1445	2.802	175	174													
7	283	1444	3.561	150	150													
8	284	1446	4.167	125	125													
9	285	1447	4.739	100	100													
10	286	1448	5.640	75	75													
11	287	1449	6.465	50	50													
12	288	1450	6.491	30	30													
13	289	1451	6.625	20	20													
14	290	1452	6.337	10	10													
15	291	1453	6.287	0														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 514

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1020
Bottom:		1026
End:		1050

START POSITION (GPS)

LAT: 48 12 .88

LONG: 125 51 .86

BOTTOM POSITION (GPS)

LAT: 48 12 .88

LONG: 125 51 .88

END POSITION (GPS)

LAT: 48 12 .90

LONG: 125 51 89

ROSETTE LOG

MISSION ID: 2004-22 STATION: LB14 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 14 JULY 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	292	1142	0.299	Bottom-10	1180	✓												
2	293	1146	0.240	1000	1000	✓												
3	294	1148	0.208	800	800													
4	295	1233	0.689	500	500													
5	296	1237	1.105	400	399													
6	297	1241	1.648	300	299													
7	298	1247	1.849	250	249													
8	299	1439	2.385	200	199													
9	300	1313	2.831	175	175													
10	301	1458	3.809	150	149													
11	302	1328	3.707	125	124													
12	303	1460	4.675	100	99													
13	304	1438	5.864	75	75													
14	305	1435	6.661	50	50													
15	306	1281	6.500	30	29													
16	307	1284	6.246	20	20													
17	308	1324	6.189	10	10													
18	309	1325	6.244	surf	2													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JPTULY
ENTERED BY:
CHECKED BY:

Bottom Depth: 1185

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	1222	
Bottom:	1240	
End:	1317	

START POSITION (GPS)
LAT: 48 08 470
LONG: 126 0 020

BOTTOM POSITION (GPS)
LAT: 48 08 480
LONG: 125 59 987

END POSITION (GPS)
LAT: 48 08 446
LONG: 126 0 39

ROSETTE LOG

MISSION ID: 2004-22 STATION: LA11 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 14/07/2004

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	310	1440	0.850	Bot-10	✓	1279	X											
2	311	1256	0.635	1500	✓	1499	X											
3	312	1268	0.894	1250	✓	1251	X											
4	313	1267	0.233	1000	✓	1000												
5	314	1273	0.260	750	✓	749												
6	315	1274	0.790	500	✓	500												
7	316	1278	1.260	400	✓	401												
8	317	1276	1.493	300	✓	299												
9	318	1442	2.011	250	✓	249												
10	319	1441	2.617	200	✓	200												
11	320	1443	2.971	175	✓	175												
12	321	1444	3.576	150	✓	151												
13	322	1445	3.900	125	✓	125												
14	323	1446	4.670	100	✓	101												
15	324	1447	6.353	75	✓	77												
16	325	1448	6.511	50	✓	50												
17	326	1449	7.481	30	✓	30												
18	327	1450	6.711	20	✓	20												
19	328	1451	5.925	10	✓	10												
20	329	1452	5.896	0	✓	2												
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 1680

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1915
Bottom:		1934
End:		2014

START POSITION (GPS)
LAT: 47 51.90
LONG: 125 57.89

BOTTOM POSITION (GPS)
LAT: 47 51.94
LONG: 125 57.88

END POSITION (GPS)
LAT: 47 51.48
LONG: 125 57.90

ROSETTE LOG

MISSION ID: 2004-22 STATION: LA10 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 14/07/2004

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	330	1175	0.258	Bot-10	✓ 910	x												
2	331	1271	0.429	750	✓ 750	x												
3	332	1195	0.900	500	✓ 500													
4	333	1404	1.200	400	✓ 402													
5	334	1411	1.751	300	✓ 301													
6	335	1425	2.015	250	✓ 250													
7	336	1403	2.444	200	✓ 200													
8	337	1426	3.319	175	✓ 175													
9	338	1427	3.496	150	✓ 150													
10	339	1430	4.136	125	✓ 125													
11	340	1206	4.728	100	✓ 100													
12	341	1228	6.246	75	✓ 75													
13	342	1231	6.840	50	✓ 50													
14	343	1319	7.758	30	✓ 30													
15	344	1351	6.812	20	✓ 20													
16	345	1406	6.250	10	✓ 10													Large bubble
17	346	1417	6.427	0	✓ 0													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 920m

Cast # down: 2157 UTC
Cast # up:

Time	LOC	UTC
Begin:	2157	✓
Bottom:	2209	✓
End:		

START POSITION (GPS)
LAT: 47 59.053
LONG: 125 43.337

BOTTOM POSITION (GPS)
LAT: 47 58.973
LONG: 125 43.130

END POSITION (GPS)
LAT: 47 58.650
LONG: 125 42.536

ROSETTE LOG

MISSION ID: 2004-22 STATION: LA08 CAST NUMBER: 76 UTC DATE (dd/mm/yyyy): 15/07/2004

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	347	1142	2.804	Bottom	140													
2	348	1146	3.156	125	125													
3	349	1128	4.132	100	100													
4	350	1233	5.010	75	76													
5	351	1237	6.357	50	50													
6	352	1241	6.343	30	30													
7	353	1247	6.520	20	20													
8	354	1439	6.676	10	10													
9	355	1313	6.669	0	0													
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 142

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0022
Bottom:		0024
End:		0031

START POSITION (GPS)
LAT: 48 5.764
LONG: 125 30.394

BOTTOM POSITION (GPS)
LAT: 48 5.762
LONG: 125 30.386

END POSITION (GPS)
LAT: 48 5.750
LONG: 125 30.382

ROSETTE LOG

MISSION ID: 2004-22 STATION: LA06 CAST NUMBER: 78 UTC DATE (dd/mm/yyyy): 15/07/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			ALK		CHL						
1	356	1458	1.859	Bottom	110													
2	357	1328	1.863	100	100													
3	358	1460	2.721	75	75													
4	359	1438	3.340	50	50													Should be flask # 1438 in file
5	360	1435	3.123	30	29													analyzed out of order.
6	361	1281	3.803	20	20													
7	362	1284	4.593	10	10													
8	363	1324	5.563	0														Samples were not in sequential order in the box
9																		(ask S.M., L.P., R.R.) why AKA - "Power Watch"
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 114

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0216
Bottom:		0219
End:		0226

START POSITION (GPS)

LAT: 48 12.626

LONG: 125 17.200

BOTTOM POSITION (GPS)

LAT: 48 12.626

LONG: 125 17.227

END POSITION (GPS)

LAT: 48 15.584

LONG: 125 17.260

Comments:

ROSETTE LOG

MISSION ID: 2004-22 STATION: LA04 CAST NUMBER: 80 UTC DATE (dd/mm/yyyy): 15/07/2004

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	364	1440	1.638	3-5	185													
2	365	1256	1.669	150	150	✓												
3	366	1268	1.684	125	125													
4	367	1267	1.811	100	102													
5	368	1273	2.249	75	75													
6	369	1274	2.880	50	51													
7	370	1278	3.907	30	30													
8	371	1276	6.265	20	20													
9	372	1442	7.453	10	10													
10	374	1441	7.630	0														
11	373																	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 195

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		406
Bottom:		411
End:		422

START POSITION (GPS)

LAT: 48°19'33"

LONG: 125°41'47"

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-22 STATION: L402 CAST NUMBER: 02 UTC DATE (dd/mm/yyyy): 15/07/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	375	1443	1.733	B-5	305													
2	376	1444	1.733	250	250													
3	377	1445	1.633	200	200													
4	378	1446	1.738	175	175													
5	379	1447	1.803	150	150													
6	380	1448	1.905	125	125													
7	381	1449	2.107	100	101													
8	382	1450	2.262	75	75													
9	383	1451	2.905	50	51													
10	384	1452	3.470	30	31													
11	385	1453	4.231	20	20													
12	386	1454	5.541	10	10													
13	387			0	2													NO SAMPLE
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tull

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 310

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:		<u>0617</u>
Bottom:		
End:		

START POSITION (GPS)

LAT: 48°26.273'

LONG: 124°51.334'

BOTTOM POSITION (GPS)

LAT: _____

LONG: _____

END POSITION (GPS)

LAT: _____

LONG: _____

Comments: _____

ROSETTE LOG

MISSION ID: 2004-22 STATION: JFF4 CAST NUMBER: 84 UTC DATE (dd/mm/yyyy): 15/07/2004

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	388	1431	2.074	B-10	✓ 230	€												NO SAL TAKEN
2	389	1421	2.104	200	✓ 200													
3	390	1422	2.047	175	✓ 175													
4	391	1424	1.945	150	✓ 150													
5	392	1354	1.907	125	✓ 125													
6	393	1482	2.263	100	✓ 100													
7	394	1384	3.145	75	✓ 75													
8	395	1212	2.861	50	✓ 50													
9	396	1138	4.141	30	✓ 30													
10	397	1455	4.045	20	✓ 20													
11	398	1456	4.342	10	✓ 10													
12	399	1457	4.370	0	✓ 0	✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
 ENTERED BY: /
 CHECKED BY: /

Bottom Depth: 240 m

Cast # down: XXXXXX
 Cast # up:

Time	LOC	UTC
Begin:	<u>0910</u>	
Bottom:	<u>0915</u>	
End:	<u>0925</u>	

START POSITION (GPS)
 LAT: 48 25.656
 LONG: 124 30.020

BOTTOM POSITION (GPS)
 LAT: 48 25.652
 LONG: 124 30.034

END POSITION (GPS)
 LAT: 48° 25.632
 LONG: 124° 30.024

Comments: _____

