

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBO1 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 17/May/2003

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	1	1356	4.527	B-5		.771		✓	✓			✓						} all ugly O2 curves!
2	2	1358	4.806	20		✓		✓										
3	3	1360	3.394	10		.566		✓										
4	4	1361	8.025	5		✓		✓				✓						
5	5	1362	8.035	0		✓		✓				✓						
6																		
7																		
8																		
9																		
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11																		
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24																		

Comments: all the oxygen samples from this cast were odd - the precipitate was brown + grainy rather than white / brown cloudy appearance + they all took a long time to titrate - S.T.

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 35

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 05:22 12:22

Bottom:

End:

START POSITION (GPS)

LAT: 48° 40.40

LONG: 124° 59.32

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LB2 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 17/05/2003

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	6	1364	4.169	B-5				✓	✓									
2	7	1386	5.046	30														
3	8	1363	5.516	20								✓	✓					
4	9	1365		10										135.75				
5	10	1366	7.501	5								✓						1.271 per bar %T
6	11	1367	7.479	0				✓	✓			✓						- added 1ml extra H2O2 (clumpy)
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:

CHECKED BY:

Bottom Depth: 55

Cast # down:

Cast # up:

TimeLOCUTC

Begin: 06:1413:14

Bottom:

End:

START POSITION (GPS)

LAT: 48°38.99

LONG: 125°02.43

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 7003-15 STATION: LB4 CAST NUMBER: 08 UTC DATE (dd/mm/yyyy): 17/05/2003

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	12	1-7	-	B-5			✓	✓										no sample
2	13	1369	3.687	75														
3	14	1370	4.867	50														
4	15	1371	4.929	30														
5	16	1372	5.565	20								✓						clumpy O2
6	17	1373	7.130	10														clumpy O2 + 1ml H2SO4
7	18	1374	7.125	5								✓						clumpy O2 + 1ml H2SO4
8	19	1375	7.127	0			✓	✓				✓	✓					clumpy O2
9	20																	
10	21																	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Had to add some extra H2SO4 to some of the O2 samples b/c of lots of clumps, but they seemed to titrate fine. (ST.)

SHIP: Tully
ENTERED BY: M. Tsunimi
CHECKED BY:

Bottom Depth: 110

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	07:22	14:22
Bottom:	07:25	14:25
End:		

START POSITION (GPS)
LAT: 48° 35.66
LONG: 125° 08.71

BOTTOM POSITION (GPS)
LAT: 48° 35.67
LONG: 125° 08.71

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBL6 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 17/05/03

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	20	1376	2.449	100	99.9		✓	✓										
2	21	1377	3.282	75	75.7		✓	✓										
3	22	1378	4.981 *	50	51.7		✓	✓										clumpy + 1ml H2SO4
4	23	1379	5.186	30	26.5		✓	✓										weird coloured pp
5	24	1380	5.218	20	23.8		✓	✓				✓						O2 precipitate
6	25	1381	6.568	10	9.6		✓	✓										
7	26	1382	7.934	5	4.8		✓	✓				✓						
8	27	1383	8.035	0	1.4		✓	✓				✓						
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * didn't titrate well - took a long time

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1/2

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1631
Bottom:		
End:		

START POSITION (GPS)

LAT: 48.32.16

LONG: 125.15.61

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LB08 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 18/05/2003

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	28	1394	1.294	8-5			✓	✓										
2	29	1393	1.763	125			✓	✓										
3	30	1391	2.421	100			✓	✓										
4	31	1389	4.773	75	815		✓	✓										funny end pt.
5	32	1388	5.528	50			✓	✓										
6	33	1387	5.816	30			✓	✓										Dosimet error
7	34	1397	5.985	20			✓	✓				✓✓						
8	35	1396	7.449	10			✓	✓										
9	36	1399	8.102	5			✓	✓				✓✓						
10	37	1400	7.773	0			✓	✓				✓✓						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: fully

ENTERED BY:

CHECKED BY:

Bottom Depth: 135

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 18:57 01:57

Bottom:

End: 19:10 02:10

START POSITION (GPS)

LAT: 48°25.29

LONG: 125°28.53

BOTTOM POSITION (GPS)

LAT: 48°25.31

LONG: 125°28.53

END POSITION (GPS)

LAT: 48°25.29

LONG: 125°28.6

ROSETTE LOG

MISSION ID: 2003-15 STATION: LB9 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 18/05/2003

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	38	1402	1.762	B-5			✓	✓										
2	39	1403	1.741	125			✓	✓										
3	40	1404	1.912	100			✓	✓										
4	41	1406	4.406	75			✓	✓										
5	42	1407	5.574	50			✓	✓										
6	43	1410	6.233	30			✓	✓										
7	44	1411	6.471	20			✓	✓				✓✓						
8	45	1414	7.962	10			✓	✓										+ (ml H2SO4 - clumpy)
9	46	1417	7.958	5			✓	✓				✓✓						
10	47	1421	7.955	0			✓	✓				✓✓						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 149

Cast # down:

Cast # up:

TimeLOCUTC

Begin: 20:0103:01

Bottom: 20:0403:04

End: 20:18

START POSITION (GPS)

LAT: 48° 21.95

LONG: 125° 34.76

BOTTOM POSITION (GPS)

LAT: 48° 21.95

LONG: 125° 34.75

END POSITION (GPS)

LAT: 48° 21.95

LONG: 125° 34.73

ROSETTE LOG

MISSION ID: 2003-15 STATION: LB11 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 18/05/2003

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	48	1432	1.736	B-5	200		✓	✓										
2	49	1433	2.298	175	176		✓	✓										
3	50	1434	2.492	150	151		✓	✓										
4	51	1435	2.856	125	124		✓	✓										+ 1ml H2SO4
5	52	1436	3.837	100	99		✓	✓										
6	53	1437	5.675	75	75		✓	✓										
7	54	1438	6.137	50	52		✓	✓										
8	55	1439	6.607	30	28		✓	✓										
9	56	1440	6.031	20	22		✓	✓				✓						+ 1ml H2SO4 - bray
10	57	1441	6.679	10	12		✓	✓				✓						have been bubble on
11	58	1442	6.673	5	6		✓	✓				✓						the mirror
12	59	1443	6.673	0	2		✓	✓				✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 200m

Cast # down: 40

Cast # up: 40

Time	LOC	UTC
Begin:		0509
Bottom:		0513
End:		

START POSITION (GPS)

LAT: 48 15.17

LONG: 125 47.70

BOTTOM POSITION (GPS)

LAT: 48 15.19

LONG: 125 47.75

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: L B 12 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 18/05/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	60	1444	0.456	B-5	499		✓	✓										
2	61	1445	0.858	400	402		✓	✓										
3	62	1446	1.517	300	300		✓	✓										
4	63	1447	1.739	250	250		✓	✓										
5	64	1448	2.092	200	201		✓	✓										
6	65	1449	2.223	175	175		✓	✓										
7	66	1450	2.592	150	150		✓	✓										
8	67	1451	3.104	125	125		✓	✓										
9	68	1452	3.930	100	99		✓	✓										
10	69	1453	4.525	75	76		✓	✓										+ 1ml H2SO4
11	70	1454	6.135	50	50		✓	✓										
12	71	1455	6.139	30	30		✓	✓										
13	72	1456	6.008	20	21		✓	✓				✓	✓					
14	73	1457	6.320	10	9		✓	✓										
15	74	1458	6.659	5	5		✓	✓				✓	✓					
16	75	1459	6.653	0	2		✓	✓				✓	✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 510

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0613

Bottom:

End:

START POSITION (GPS)

LAT: 48° 12.90

LONG: 125° 51.86

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LB14 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 17/05/2003

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	78	1462	0.611	6-10	✓ 1180	X												
2	79	1463	0.269	1000	✓ 996	X												+ 1ml extra acid
3	86	1464	0.216	800	✓	X												
4	81	1465	0.377	600	✓ 598	X												
5	82	1466	0.630	500	✓ ✓													
6	83	1467	1.033	400	✓													
7	84	1468	1.556	300	✓													
8	85	1469	1.897	250	✓													
9	86	1470	2.304	200	✓													
10	87	1471	2.539	175	✓													
11	88	1472	3.085	150	✓													
12	89	1473	3.843	125	✓													
13	90	1474	4.882	100	✓													
14	91	1475	6.067	75	✓													
15	92	1476	6.408	50	✓													
16	93	1477	6.252	30	✓													
→ 17	94	1478	5.642	20	✓							XX						clumpy too low
18	95	1479	6.549	10	✓													
19	96	1480	6.597	5	✓							XX						
20	97	1481	6.596	0	✓							XX						
21												XX						
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST.
CHECKED BY:

Bottom Depth: 1184

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		0838
Bottom:		0840
End:		

START POSITION (GPS)
LAT: 48°08.53
LONG: 126°00.01

BOTTOM POSITION (GPS)
LAT: 48°08.50
LONG: 126°00.00

END POSITION (GPS)
LAT: 48°08.
LONG: 12

ROSETTE LOG

MISSION ID: 2003-15 STATION: LD 10 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 18/05/2003

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	98	1432	0.827	8-10	1472	X	✓	✓✓										0.7 too high
2	99	1433	0.647	1500	1474	X	✓	✓✓										
3	100	1434	0.349	1200	1201	X	✓	✓✓										
4	101	1435	0.256	1000	1000	X	✓	✓✓										
5	102	1436	0.235	800	800		✓	✓✓										
6	103	1437	0.449	600	601		✓	✓✓										
7	104	1438	0.830	500	500		✓	✓✓										
8	105	1439	1.160	400	401		✓	✓✓										
9	106	1440	1.623	300	300		✓	✓✓										
10	107	1441	1.917	250	252		✓	✓✓										
11	108	1442	2.291	200	200		✓	✓✓										
12	109	1443	2.550	175	173		✓	✓✓										
13	110	1444	2.903	150	150		✓	✓✓										
14	111	1445	4.278	125	124		✓	✓✓										
15	112	1446	5.411	100	99		✓	✓✓										
16	113	1447	5.578	75	75.1		✓	✓✓										
17	114	1448	6.349	50	49.5		✓	✓✓										
18	115	1449	6.592	30	31.3		✓	✓✓										
19	116	1450	6.557	20	19.9		✓	✓✓				✓✓						
20	117	1451	6.782	10	9.8		✓	✓✓										
21	118	1452	6.645	5	5.1		✓	✓✓				✓✓						
22	119	1453	6.636	0	1.6		✓	✓✓				✓✓						
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 1560

Cast # down: 52
Cast # up:

Time	LOC	UTC
Begin:		1735
Bottom:		
End:		

START POSITION (GPS)
LAT: 4832.22
LONG: 126 3658

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LD8 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 18/05/2003

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	120	1356	0.321	8-10	✓ 772	✓		✓	✓									
2	121	1358	0.413	600	✓	✓		✓	✓									
3	122	1360	0.646	500	✓	✓		✓	✓									
4	123	1361	0.952	400	✓ 399			✓	✓									
5	124	1362	1.1476	300	✓			✓	✓									
6	125	1364	1.869	250	✓			✓	✓									
7	126	1386	2.317	200	✓			✓	✓									
8	127	1363	2.435*	175	✓			✓	✓									*particles floating in Oz sample
9	128	1365	2.353	150	✓			✓	✓									
10	129	1366	3.317	125	✓			✓	✓									
11	130	1367	4.748	100	✓			✓	✓									
12	131	1368	5.993	75	✓			✓	✓									
13	132	1369	6.205	50	✓			✓	✓									
14	133	1370	5.870	30	✓			✓	✓									
15	134	1371	6.755	20	✓			✓	✓						✓			
16	135	1372	6.758	10	✓			✓	✓									
17	136	1373	6.746	5	✓			✓	✓						✓			
18	137	1374	6.769	0	✓			✓	✓						✓			
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 735 770

Cast # down: 56

Cast # up:

TimeLOCUTC

Begin:2046

Bottom:2648

End:2112

START POSITION (GPS)

LAT: 48'39.16

LONG: 126'23.36

BOTTOM POSITION (GPS)

LAT: 48'39.17

LONG: 126'23.38

END POSITION (GPS)

LAT: 48'39.18

LONG: 126'23.36

ROSETTE LOG

MISSION ID: 2003-015 STATION: LD6 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 18/05/2003

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	138	1375	1.533	6-5	131		✓	✓										
2	139	1376	1.553	125			✓	✓										+1ml acid
3	140	1377	2.870	100			✓	✓										+1ml acid
4	141	1378	5.220*	75			✓	✓										*+1ml acid
5	142	1379	6.551	50			✓	✓										
6	143	1380	7.005	30			✓	✓										+1ml acid
7	144	1381	6.240	20			✓	✓			✓							+1ml acid
8	145	1382	7.413	10			✓	✓										+1ml acid
9	146	1383	7.198	5			✓	✓			✓							
10	147	1384	7.294	0			✓	✓			✓							
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Dosimat error

SHIP:

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 138

Cast # down:

Cast # up:

TimeLOCUTC

Begin:23:01

Bottom:23:03

End:

START POSITION (GPS)

LAT: 48° 46.17

LONG: 126° 10.17

BOTTOM POSITION (GPS)

LAT: 48° 46.17

LONG: 126° 10.18

END POSITION (GPS)

LAT: 48° 46.18

LONG: 126° 10.17

ROSETTE LOG

MISSION ID: 2003-15 STATION: LD04 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 19/05/2003

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	198	1456	4.862	6-5	54		✓	✓										lots of clumps (O2) + acid
2	199	1457	4.936	30			✓	✓										clumpy + acid
3	200	1458	6.270	20			✓	✓				✓						
4	201	1459	7.067	10			✓	✓				✓						clumpy + 1ml acid
5	202	1460	7.003	5			✓	✓				✓						
6	203	1461	6.973	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: 63

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 01:09

Bottom: 01:13

End: 01:21

START POSITION (GPS)

LAT: 48°53.18

LONG: 125°56.92

BOTTOM POSITION (GPS)

LAT: 48°53.185

LONG: 125°56.96

END POSITION (GPS)

LAT: 48°53.19

LONG: 125°56.920

ROSETTE LOG

MISSION ID: 2003-15 STATION: LD 2 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 19/05/2003

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	204			B-5	36		✓	✓										Did not close
2	205	1439	4.973	30	30		✓	✓										
3	206	1433	5.327	20	19		✓	✓				✓						
4	207	1434	8.562	10	10		✓	✓										
5	208	1435	8.603	5	5		✓	✓				✓						
6	209			0	2		✓	✓				✓						Did not close
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: 43

Cast # down: 70

Cast # up:

Time	LOC	UTC
Begin:		0332
Bottom:		0336
End:		0341

START POSITION (GPS)

LAT: 48 58.31

LONG: 125 47.04

BOTTOM POSITION (GPS)

LAT: 48 58.32

LONG: 125 47.05

END POSITION (GPS)

LAT: 48 58.33

LONG: 125 47.06

ROSETTE LOG

MISSION ID: 2003-15 STATION: LD1 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 19/05/2003

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	210			B-5	28		✓	✓✓										Didn't fire (again)
2	211	1463	6.369	20	20		✓	✓✓				✓						
3	212	1464	7.895	10	9		✓	✓✓										
4	213	1465	7.813	5	5		✓	✓✓				✓						
5	214	1466	7.834	0	2		✓	✓✓				✓						
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: 33

Cast # down: 74

Cast # up:

TimeLOCUTC

Begin: 0448

Bottom:

End:

START POSITION (GPS)

LAT: 49°00'09"

LONG: 125°43'75"

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBP2 CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): 19/05/2003

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	215	1462	4.034	B-5	90			✓	✓									
2	216	1463	3.963	75	75			✓	✓									+ Imacid
3	217	1464	5.335	50	49			✓	✓									
4	218	1465	5.532	30	30			✓	✓									
5	219	1466	5.653	20	20			✓	✓			✓						
6	220	1467	6.189	10	10			✓	✓									
7	221	1468	6.588	5	5			✓	✓			✓						
8	222	1480	6.640	0	2			✓	✓			✓						
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: 105

Cast # down:

Cast # up:

TimeLOCUTC

Begin:1650

Bottom:1654

End:1704

START POSITION (GPS)

LAT: 50° 04 , 04

LONG: 127° 54 , 23

BOTTOM POSITION (GPS)

LAT: 50° 04 . 03

LONG: 127° 54 . 23

END POSITION (GPS)

LAT: 50° 04 . 01

LONG: 127° 54 . 27

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBP4 CAST NUMBER: 86 UTC DATE (dd/mm/yyyy): 19/05/2003

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	223	1356	0.369	8-10	✓ 1050	✓	✓	✓	✓									
2	224	1358	0.357	1000	✓ 998	✓	✓	✓	✓									
3	225	1360	0.304	800	✓ 798	✓	✓	✓	✓									
4	226	1361	0.413	600	✓		✓	✓	✓									
5	227	1362	0.697	500	✓		✓	✓	✓									
6	228	1364	0.987	400	✓		✓	✓	✓									
7	229	1366	1.439	300	✓		✓	✓	✓									
8	230	1363	1.687	250	✓		✓	✓	✓									
9	231	1365	1.906	200	✓ 199		✓	✓	✓									
10	232	1366	2.011	175	✓		✓	✓	✓									Dosimat error
11	233	1368	2.216	150	✓		✓	✓	✓									
12	234	1367	2.177	125	✓		✓	✓	✓									
13	235	1369	3.032	100	✓		✓	✓	✓									
14	236	1371	3.942	75	✓													
15	237	1372	5.400	50	✓													
16	238	1373	5.613	30	✓													
17	239	1374	5.838	20	✓							✓	✓					
18	240	1380	6.928	10	✓													
19	241	1379	7.182	5	✓							✓	✓					
20	242	1378	7.224	0	✓							✓	✓					
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1106

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1906
Bottom:		1918
End:		1948

START POSITION (GPS)

LAT: 50°01.42

LONG: 127°58.14

BOTTOM POSITION (GPS)

LAT: 50°01.41

LONG: 127°58.09

END POSITION (GPS)

LAT: 50°01.42

LONG: 127°58.07

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBPG CAST NUMBER: 91 UTC DATE (dd/mm/yyyy): 19/05/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Thought it was 1783m
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	243*	1432	0.268x		✓ 895													oh well - triplicates
2	244*	1433	0.304*		✓ 800													are good, right??
3	245*	1434	0.258		✓ 800													
4	246	1435	0.280		✓ 800													
5	247	1436	0.308	700	✓ 698													
6	248	1437	0.503	600	✓ 598													
7	249	1438	0.830	500	✓ 499													
8	250	1439	1.136	400	✓													
9	251	1440	1.580	300	✓													
10	252	1441	1.942	250	✓													
11	253	1442	2.036	200	✓													
12	254	1443	2.185	175	✓													
13	255	1444	3.409	150	✓													Oh too high
14	256	1445	3.052	125	✓													+ acid (low value?)
15	257	1446	3.367	100	✓													
16	258	1447	4.345	75	✓													odd curve poor
17	259	1448	5.876	50	✓													
18	260	1449	5.942	30	✓													
19	261	1450		20	✓													bottle didn't trip
20	262	1451	6.910	10	✓													
21	263	1452	6.889	5	✓													
22	264	1453	1.906 +	0														1815ml - just
23																		stopped! ??
24																		+1329

Comments: * Sample #243 actually from Niskin #7 for Salinity
" 244 " #5 "
" 245 " #6 "

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 783 899

Cast # down: 91
Cast # up:

Time LOC UTC
Begin: 2157
Bottom: 2200
End: 2233

START POSITION (GPS)
LAT: 49°56.22
LONG: 128°05.40

BOTTOM POSITION (GPS)
LAT: 49°56.16
LONG: 128°05.47

END POSITION (GPS)
LAT: 49°56.32
LONG: 128°05.72

ROSETTE LOG

MISSION ID: 2003-15 STATION: LBP7 CAST NUMBER: 93 UTC DATE (dd/mm/yyyy): 19/05/2003

				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	265	1387	1.608	B-5	2223	X	✓	✓											Dosimat error
2	266	1388	0.726	1500		X													+ acid
3	267	1389	0.370	1200		X													
4	268	1391	0.272	1000															+ acid
5	269	1394	0.250	800															+ acid
6	270	1393	0.554	600															
7	271	1397	0.825	500															+ acid (dosimat error)
8	272	1398	1.054	400															
9	273	1399	1.508	300															+ acid
10	274	1400	2.353	250															odd O2 values - I am
11	275	1402	2.051	200															checking labels as I go, so I'm not mixing them up
12	276	1403	2.308	175															odd values ST.
13	277	1404	2.562	150	Dosimat error														+ acid
14	278	1406	4.348	125															+ acid
15	279	1407	5.500	100															+ acid
16	280	1410	5.377	75															+ acid
17	281	1411	6.271	50															+ acid
18	282	1414	5.938	30															+ acid
19	283	1417	6.397	20															+ acid
20	284	1421	7.235	10															+ acid
21	285	1422	7.159	5															+ acid
22	286	1423	7.199	0			✓	✓				✓✓							+ acid
23																			
24																			

Comments: Badly shaken oxygens - yes wrists will be slapped!
+ acid = acid added to clumpy O2 samples for titration.

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 2230

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		23:18
Bottom:		23:40
End:		20:38 20/05/03

START POSITION (GPS)
LAT: 49° 52.41
LONG: 128° 11.10

BOTTOM POSITION (GPS)
LAT: 49° 52.43
LONG: 128° 11.25

END POSITION (GPS)
LAT: 49° 52.40
LONG: 128° 11.08

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS3 CAST NUMBER: 154 UTC DATE (dd/mm/yyyy): 21/05/2003

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	287	1387	3.414	B-5	208		✓	✓										
2	288	1388	3.622	200	200		✓	✓										
3	289	1389	3.870	175	175		✓	✓										
4	290	1391	4.108	150	150		✓	✓										
5	291	1394	4.472	125	124		✓	✓										
6	292	1393	5.002	100	99		✓	✓										
7	293	1397	4.549	75	75		✓	✓										
8	294	1398	5.447	50	50		✓	✓										
9	295	1399	5.591	30	30		✓	✓										
10	296	1402	5.655	20	20		✓	✓										
11	297	1400	5.821	10	10		✓	✓										
12	298	1403	6.222	5	4		✓	✓										
13	299	1404	6.321	0	1.6		✓	✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 214

Cast # down: 154

Cast # up:

TimeLOCUTC

Begin:0345

Bottom:0350

End:0403

START POSITION (GPS)

LAT: 50 43.77

LONG: 127 14.99

BOTTOM POSITION (GPS)

LAT: 50 43.76

LONG: 127 15.01

END POSITION (GPS)

LAT: 50 43.76

LONG: 127 15.01

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS4 CAST NUMBER: 156 UTC DATE (dd/mm/yyyy): 22/05/2003

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	300	1406	3.476	B-5	400		✓	✓										
2	301	1407	3.520	300	300		✓	✓										
3	302	1410	3.620	250	250		✓	✓										
4	303	1411	3.773	200	200		✓	✓										
5	304	1414	3.930	175	175		✓	✓										
6	305	1417	4.114	150	150		✓	✓										
7	306	1421	4.516	125	125		✓	✓										
8	307	1422	5.096	100	100		✓	✓										
9	308	1423	5.1629	75	75		✓	✓										
10	309	1424	5.431	50	50		✓	✓										
11	310	1425	5.438	30	30		✓	✓										
12	311	1426	5.701	20	20		✓	✓										
13	312	1427	6.692	10	10		✓	✓				✓						
14	313	1428	7.002	5	5		✓	✓				✓						
15	314	1429	7.018	0	1.5		✓	✓				✓						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 405

Cast # down: 156
Cast # up:

Time	LOC	UTC
Begin:		0458
Bottom:		0506
End:		0521

START POSITION (GPS)
LAT: 50 46.67
LONG: 127 24.43

BOTTOM POSITION (GPS)
LAT: 50 46.68
LONG: 127 24.39

END POSITION (GPS)
LAT: 50 46.65
LONG: 127 24.33

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCSS CAST NUMBER: 157 UTC DATE (dd/mm/yyyy): 22/05/2003

		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	✓ 1	315	1432	4.131	B-5		150	✓											
2	✓ 2	316	1433	4.442	125		125	✓											
3	✓ 3	317	1434	4.823	100		100	✓											
4	4	318	1435	5.191	75		75	✓											
5	5	319	1436	5.341	50		50	✓											
	6	320	1437	5.812	30		30	✓											
6	7	321	1438	5.944	20		20	✓											
8	8	322	1439	6.712	10		10	✓											
9	9	323	1440	7.341	5		5	✓											
10	10	324	1441	7.348	0		6.6	✓											
	11																		
	12																		
	13																		
	14																		
	15																		
	16																		
	17																		
	18																		
	19																		
	20																		
	21																		
	22																		
	23																		
	24																		

I mixed these samples up on the computer - but they are correct on this page. (ST)

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 157
Cast # up:

Time	LOC	UTC
Begin:		0545
Bottom:		0550
End:		0607

START POSITION (GPS)
LAT: 50 49.43
LONG: 127 21.64

BOTTOM POSITION (GPS)
LAT: 50 49.44
LONG: 127 21.64

END POSITION (GPS)
LAT: 50 49.44
LONG: 127 21.64

Comments:

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS6 CAST NUMBER: 159 UTC DATE (dd/mm/yyyy): 22/5/2003

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	325	1442	4.520	B-5	143		✓											
2	326	1443	4.582	125	125		✓											
3	327	1444	4.850	100	100		✓											
4	328	1445	5.378	75	75		✓											
5	329	1446	5.935	50	50		✓											
6	330	1447	6.256	30	30		✓											
7	331	1448	6.450	20	20		✓											
8	332	1449	6.385	10	10		✓											
9	333	1450	6.527	5	5		✓											
10	334	1451	6.552	0			✓											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 148

Cast # down: 159

Cast # up:

TimeLOCUTC

Begin:0640

Bottom:0644

End:0654

START POSITION (GPS)

LAT: 50 52.45

LONG: 127 21.68

BOTTOM POSITION (GPS)

LAT: 50 52.45

LONG: 127 21.67

END POSITION (GPS)

LAT: 50 52.45

LONG: 127 21.62

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS2 CAST NUMBER: 161 UTC DATE (dd/mm/yyyy): 22/5/2003

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	335	1452	3.948	B-5	✓	215		✓	✓									
2	336	1453	3.956	175	✓			✓	✓									
3	337	1454	3.968	150	✓			✓	✓									
4	338	1455	4.261	125	✓			✓	✓									
5	339	1456	4.539	100	✓			✓	✓									
6	340	1457	5.004	75	✓			✓	✓									
7	341	1458	5.669	50	✓			✓	✓									
8	342	1459	5.872	30	✓			✓	✓									
9	343	1460	6.190	20	✓			✓	✓									
10	344	1461	6.239	10	✓			✓	✓			✓						
11	345	1358	6.184	5	✓			✓	✓			✓						
12	346	1356	6.257	0				✓	✓			✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 220

Cast # down: 161
Cast # up:

Time	LOC	UTC
Begin:		0833
Bottom:		0837
End:		

START POSITION (GPS)
LAT: 50°46.60
LONG: 127°02.24

BOTTOM POSITION (GPS)
LAT: 50°46.58
LONG: 127°02.27

END POSITION (GPS)
LAT: 50°46.60
LONG: 127°02.29

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS1.5 CAST NUMBER: 163 UTC DATE (dd/mm/yyyy): 22/05/03

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	1360	3.862	8-5	✓ 140		✓											
2	348	1361	4.149	125	✓													
3	349	1362	4.559	100	✓													
4	350	1364	4.900	75	✓													
5	351	1366	5.075	50	✓													
6	352	1363	5.311	30	✓													
7	353	1365	5.402	20	✓													
8	354	1366	5.715	10	✓													
9	355	1368	6.088	5	✓													
10	356	1367	5.990	0														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: S.T.

CHECKED BY:

Bottom Depth: 145

Cast # down: 163.

Cast # up:

Time	LOC	UTC
Begin:		0936
Bottom:		0939
End:		0948

START POSITION (GPS)

LAT: 50°42.84

LONG: 126°55.49

BOTTOM POSITION (GPS)

LAT: 50°42.82

LONG: 126°55.48

END POSITION (GPS)

LAT: 50°42.89

LONG: 126°55.54

ROSETTE LOG

MISSION ID: 2003-15 STATION: QCS1 CAST NUMBER: 165 UTC DATE (dd/mm/yyyy): 22/05/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	357	1369	4.413	6-5	✓ 150			X	xx									
2	358	1371	4.542	125	✓													
3	359	1372	4.689	100	✓													
4	360	1373	4.994	75	✓													
5	361	1374	5.405	50	✓													
6	362	1380	5.423	30	✓													
7	363	1379	5.425	20	✓													
8	364	1378	5.440	10	✓								xx					
9	365	1377	5.481	5	✓								xx					
10	366	1376	5.544	0				↓	↓				xx					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
 ENTERED BY: S.T.
 CHECKED BY: _____

Bottom Depth: 155

Cast # down: 165
 Cast # up: _____

Time	LOC	UTC
Begin:		<u>1040</u>
Bottom:		<u>1044</u>
End:		<u>1053</u>

START POSITION (GPS)
 LAT: 50°40.09
 LONG: 126°46.30

BOTTOM POSITION (GPS)
 LAT: 50°40.10
 LONG: 126°46.24

END POSITION (GPS)
 LAT: 50°40.08
 LONG: 126°46.13

Comments: _____

ROSETTE LOG

MISSION ID: 2003-15 STATION: JSI CAST NUMBER: 167 UTC DATE (dd/mm/yyyy): 22/05/03

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	367	1474	5.336	6-5	455	✓	✓	✓										
2	368	1466	5.298	400		✓	✓	✓										
3	369	1465	5.399	300		✓	✓	✓										
4	370	1464	5.457	250		✓	✓	✓										
5	371	1463	5.480	200			✓	✓										
6	372	1462	5.607	175			✓	✓										
7	373	1468	5.522	150			✓	✓										
8	374	1470	5.774	125			✓	✓										
9	375	1471	5.566	100			✓	✓										
10	376	1472	5.706	75			✓	✓										
11	377	1479	5.764	50			✓	✓										
12	378	1467	5.822	30			✓	✓										
13	379	1480	5.800	20			✓	✓										
14	380	1473	5.817	10			✓	✓				✓						
15	381	1478	5.813	5			✓	✓				✓						
16	382	1388	5.864	0			✓	✓				✓						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 460

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		12:19
Bottom:		12:26
End:		

START POSITION (GPS)

LAT: 50°32.99

LONG: 126°45.94

BOTTOM POSITION (GPS)

LAT: 50°32.03

LONG: 126°45.96

END POSITION (GPS)

LAT: 50°32.88

LONG: 126°45.94

ROSETTE LOG

MISSION ID: 2003-15 STATION: F1S CAST NUMBER: 172 UTC DATE (dd/mm/yyyy): May 22, 2003

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	383	1387	4.719	80-5			✓	✓	✓									
2	384	1388	4.721	300			✓	✓	✓									
3	385	1389	4.796	250			✓	✓	✓									
4	386	1391	4.846	200			✓	✓	✓									
5	387	1394	4.922	175				✓	✓									
6	388	1393	5.047	150				✓	✓									
7	389	1397	5.134	125				✓	✓									
8	390	1398	5.558	100				✓	✓									
9	391	1399	5.715	75				✓	✓									
10	392	1402	5.850	50				✓	✓									
11	393	1400	6.025	30				✓	✓									
12	394	1403	6.055	20				✓	✓									
13	395	1404	6.097	10				✓	✓			✓						
14	396	1406	6.532	5				✓	✓			✓	✓					
15	397	1407	8.175	0				✓	✓			✓	✓					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: Homer Simpson

CHECKED BY: Ralph Wingham

Bottom Depth: 325

Cast # down:

Cast # up:

TimeLOCUTC

Begin:00:55

Bottom:01:00

End:01:26

START POSITION (GPS)

LAT:50° 47.08

LONG:126° 36.66

BOTTOM POSITION (GPS)

LAT:50° 47.06

LONG:126° 36.65

END POSITION (GPS)

LAT:50° 46.99

LONG:126° 36.41

ROSETTE LOG

MISSION ID: 2003-15 STATION: TrC2.5 CAST NUMBER: 177 UTC DATE (dd/mm/yyyy): 23/05/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	398*	1411	5.028	B0-5x		✓	✓	✓										
2	399*	1414	5.041	250		✓												
3	400	1417	5.169	200		✓												
4	401	1421	5.333	175*														
5	402	1422	5.346	150														
6	403	1423	5.459	125														
7	404	1424	5.674	100														
8	405	1425	5.881	75														
9	406	1426	5.990	50														glass nutrient tube broke.
10	407	1427	6.169	30														
11	408	1428	7.426	20														
12	409	1429	7.596	10									✓					
13	410			5				✓	✓				✓					
14	411			0				✓	✓				✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Sample #399 Salinity is from 200 db
* Sample #398 Salinity is from 250 db
No bottle was fired at bottom-5

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 300

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		407
Bottom:		422
End:		

START POSITION (GPS)
LAT: 50°50.34
LONG: 126°19.68

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: Tr C1 CAST NUMBER: 183 UTC DATE (dd/mm/yyyy): 23/05/2003

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	410	1358	5.314	6-5	✓	278													
2	411	1356	5.252	250	✓														
3	412	1360	5.263	200	✓														
4	413	1361	5.291	175	✓														
5	414	1362	5.293	150	✓														
6	415	1364	5.293	125	✓														
7	416	1366	5.319	100	✓														
8	417	1363	5.393	75	✓														
9	418	1365	5.537	50	✓														
10	419	1366	5.691	30	✓														
11	420	1368	6.088	20	✓														
12	421	1367	6.916	10	✓														
13	422	1369	7.526	5	✓														
14	423	1371	7.811	0	✓														
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 283

Cast # down: 183

Cast # up:

Time	LOC	UTC
Begin:		0828
Bottom:		0833
End:		0846

START POSITION (GPS)

LAT: 50° 43.60

LONG: 126° 10.87

BOTTOM POSITION (GPS)

LAT: 50° 43.64

LONG: 126° 10.79

END POSITION (GPS)

LAT: 50° 43.43

LONG: 126° 10.60

ROSETTE LOG

MISSION ID: 2003-15 STATION: Kn2 CAST NUMBER: 187 UTC DATE (dd/mm/yyyy): 23/05/2003

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	424	1372	5.482	6-5	✓ 180											
2	425	1373	5.460	150	✓											
3	426	1374	5.346	125	✓											
4	427	1380	4.942	100	✓											
5	428	1379	5.073	75	✓											
6	429	1378	5.620	50	✓											
7	430	1377	5.875	30	✓											
8	431	1376	6.047	20	✓											
9	432	1375	6.166	10	✓							X				
10	433	1381	6.538	5	✓							X				
11	434	1382	6.795	0	.012							X				
12	999	1461			.010											
13	434	1382			1.195											
14	999															
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 183

Cast # down: 187

Cast # up:

Time	LOC	UTC
Begin:		1017
Bottom:		1026
End:		1634

START POSITION (GPS)

LAT: 50°39'32

LONG: 126°10.98

BOTTOM POSITION (GPS)

LAT: 50°39.30

LONG: 126°11.00

END POSITION (GPS)

LAT: 50°39.29

LONG: 126°11.01

ROSETTE LOG

MISSION ID: 2003-15 STATION: Kuli CAST NUMBER: 189 UTC DATE (dd/mm/yyyy): 23/05/2003

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	435	1387	5.522	6-5	245	✓	✓	✓					1462	1582	started on Kull	
2	436	1388	5.474	200	200.1	✓							1483	1601	not Kull-Oxy	
3	437	1389	5.489	175											header wrong, ST	
4	438	1391	5.461	150	150.2											
5	439	1393	5.452	125	125											
6	440	1394	5.416	100												
7	441	1397	5.494	75												
8	442	1398	5.750	50												
9	443	1399	6.073	30												
10	444	1400	6.104	20												
11	445	1402	6.945	10								✓				
12	446	1403	7.680	5								✓				
13	447	1404	7.663	0	2.4		✓	✓				✓				
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 250

Cast # down:

Cast # up:

TimeLOCUTC

Begin:11:32

Bottom:11:36

End:

START POSITION (GPS)

LAT:50°38.113

LONG:126°25.342

BOTTOM POSITION (GPS)

LAT:50°38.11

LONG:126°25.34

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-15 STATION: Kn 4 CAST NUMBER: 191 UTC DATE (dd/mm/yyyy): 23/05/2003

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	448	1406	3.071	607-5	435	✓												
2	449	1407	3.104	300	300	✓		✓										
3	450	1410	3.189	250	250													
4	451	1411	3.328	200	200													
5	452	1414	3.501	175	175													
6	453	1417	3.886	150	150													
7	454	1421	4.362	125	125													
8	455	1422	4.621	100	100													
9	456	1423	4.708	75	75													
10	457	1424	4.856	50	50													
11	458	1425	5.136	30	30													
12	459	1426	5.256	20	20													
13	460	1427	5.354	10	10			✓				✓✓						
14	461	1428	6.189	5	5							✓✓						
15	462	1429	6.712	0	1.8							✓✓						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 450

Cast # down: 191
Cast # up:

Time	LOC	UTC
Begin:		1810
Bottom:		1815
End:		1834

START POSITION (GPS)
LAT: 50 48.78
LONG: 125 56.20

BOTTOM POSITION (GPS)
LAT: 50 48.78
LONG: 125 56.22

END POSITION (GPS)
LAT: 50 40.77
LONG: 125 56.23

ROSETTE LOG

MISSION ID: 2003-15 STATION: KN7 CAST NUMBER: 193 UTC DATE (dd/mm/yyyy): 23/05/2003

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	463	1432	3.012	bot-5	✓ 510	✓	✓	✓										
2	464	1433	3.087	400	✓	✓	✓	✓										
3	465	1434	3.208	300	✓	✓	✓	✓										
4	466	1435	3.259	250	✓		✓	✓										
5	467	1436	3.374	200	✓		✓	✓										
6	468	1437	3.390	175	✓		✓	✓										
7	469	1438	3.650	150	✓		✓	✓										
8	470	1439	4.305	125	✓		✓	✓										
9	471	1440	4.582	100	✓		✓	✓										
10	472	1441	4.747	75	✓		✓	✓										
11	473	1442	4.781	50	✓		✓	✓										
12	474	1443	4.857	30	✓		✓	✓										
13	475	1444	4.963	20	✓		✓	✓										
14	476	1445	5.282	10	✓		✓	✓				✓						
15	477	1446	5.670	5	✓		✓	✓				✓						
16	478	1447	7.731	0			✓	✓				✓						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 514

Cast # down: 193

Cast # up:

Time	LOC	UTC
Begin:		2052
Bottom:		2059
End:		2118

START POSITION (GPS)

LAT: 50° 48.06

LONG: 125° 37.30

BOTTOM POSITION (GPS)

LAT: 50° 48.09

LONG: 125° 37.31

END POSITION (GPS)

LAT: 50° 48.08

LONG: 125° 37.32

ROSETTE LOG

MISSION ID: 2003 STATION: KN11 CAST NUMBER: 1960 UTC DATE (dd/mm/yyyy): 23/05/2003

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	479	1462	3.425	200	200		✓	✓							133.80	wrong sample
2	480	1463	3.588	175	174.9		✓	✓							131.97	It's in computer
3	481	1464	3.985	150	150.0		✓	✓							131.23	(mixed up with KN1)
4	482	1465	4.409	125	124.7		✓	✓								
5	483	1466	4.551	100	100.0		✓	✓								
6	484	1467	4.617	75	74.6		✓	✓								
7	485	1468	4.657	50	50.2		✓	X								nutrient missing
8	486	1469	4.701	30	30.0		✓	✓								
9	487	1470	4.797	20	20.0		✓	✓				✓				
10	488	1472	5.117	10	9.8		✓	✓				✓				
11	489	1473	5.980	5	5.2		✓	✓				✓				
12	490	1474	8.245	0	1.2											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 207

Cast # down: 196

Cast # up:

TimeLOCUTC

Begin:8432

Bottom:0434

End:0450

START POSITION (GPS)

LAT: 51 2.49

LONG: 125 34.08

BOTTOM POSITION (GPS)

LAT: 51 2.50

LONG: 125 34.09

END POSITION (GPS)

LAT: 51 2.50

LONG: 125 34.09

ROSETTE LOG

MISSION ID: 2003-15 STATION: PP2 CAST NUMBER: 199 UTC DATE (dd/mm/yyyy): 25/05/03

				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	491	1387	4.962	B-5	135	✓		✓									
2	492	1388	5.012	125		✓											
3	493	1389	5.198	100		✓											
4	494	1390	5.385	75		✓											
5	495	1393	5.615	50		✓											
6	496	1394	5.483	30		✓											
7	497	1397	5.518	20		✓											
8	498	1398	7.023	10		✓						✓	✓				
9	499	1399	7.744	5		✓						✓	✓				
10	500	1400	8.386	0	1483	✓		✓				✓	✓				Problem reading from Dosiwent
11																	Extrapolation of missing data points
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 140

Cast # down:

Cast # up:

TimeLOCUTC

Begin:00:49

Bottom:00:53

End:01:08

START POSITION (GPS)

LAT:50° 48.98

LONG:126° 31.44

BOTTOM POSITION (GPS)

LAT:50° 48.93

LONG:126° 31.50

END POSITION (GPS)

LAT:50° 48.91

LONG:126° 31.60

ROSETTE LOG

MISSION ID: 2003-15 STATION: King CAST NUMBER: 200 UTC DATE (dd/mm/yyyy): 25/05/03

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	501	1404	2.452	8-5	395	✓	✓	✓										
2	502	1406	2.493	300		✓												
3	503	1407	2.564	250		✓												
4	504	1410	2.673	200		✓												
5	505	1411	2.718	175														
6	506	1414	3.716	150														
7	507	1417	5.125	125														
8	508	1421	5.424	100														
9	509	1422	5.398	75														
10	510	1423	5.126	50														
11	511	1424	5.453	30														
12	512	1425	5.514	20														
13	513	1426	6.466	10								✓						
14	514	1427	8.065	5								✓						
15	515	1478	8.113	0								✓						
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 400

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		01:53
Bottom:		01:59
End:		02:26

START POSITION (GPS)
LAT: 50° 51.69
LONG: 126° 37.14

BOTTOM POSITION (GPS)
LAT: 50° 51.68
LONG: 126° 37.13

END POSITION (GPS)
LAT: 50° 51.68
LONG: 126° 37.15

ROSETTE LOG

MISSION ID: 2003-15 STATION: WP CAST NUMBER: 201 UTC DATE (dd/mm/yyyy): 25/05/03

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	516	1462	5.678	8-5	174			✓	✓									
2	517	1463	5.728	150	150													
3	518	1464	5.736	125	125													
4	519	1465	5.797	100	100													
5	520	1466	5.834	75	75													
6	521	1467	6.225	50	50													
7	522	1468	6.430	30	30													
8	523	1470	6.668	20	20													
9	524	1471	6.831	10	10							✓						
10	525	1472	6.822	5	5							✓						
11	526	1473	7.331	0	1.4			✓	✓			✓						
12																		
13																		
14																		
15																		
16																		
17																		
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21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 174

Cast # down: 201
Cast # up:

Time	LOC	UTC
Begin:		0404
Bottom:		0407
End:		0418

START POSITION (GPS)
LAT: 50 50.85
LONG: 126 56.35

BOTTOM POSITION (GPS)
LAT: 50 50.84
LONG: 126 56.37

END POSITION (GPS)
LAT: 50 50.84
LONG: 126 56.40