

ROSETTE LOG

MISSION ID: 2003-31 STATION: 5101 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 23/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
1	1	1352	0.516	Bot-10	✓ 211	✓												
2	2	1358	0.399	175	✓	✓												
3	3	1360	.414	150	✓													
4	4	1361	0.580	125	✓													
5	5	1362	0.515	100	✓													
6	6	1363	0.588	75	✓													
7	7	1364	1.360	50	✓													
8	8	1365	1.590	30	✓													
9	9	1366	1.784	20														
10	10	1367	1.925	10				↓	↓				✓✓	✓				
11	11	1368		0				✗	✓				✓✓	✓				bubbles in sample - problem with filtration
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2003-31 STATION: C1 CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): Sept 23

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
						OXY				ALK		CHL						
1	13	1387	0.523	bot-5	/ 138													
2	14	1389	0.608	125	/ 125													
3	15	1391	0.692	100	/ 100													
4	16	1393	0.933	75	/ 75													
5	17	1394	1.278	50	/ 50													
6	18	1397	1.655	30	/ 29													
7	19	1398	1.887	20	/ 20													
8	20	1399	2.259	10	/ 10							✓✓						
9	21	1400	2.630	5	/ 5							✓✓	✓					
10	22	1402	2.632	0	/ 1	↓	↓	↓				✓✓	✓					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: 
ENTERED BY: DT
CHECKED BY:

Bottom Depth: 154

Cast # down: 10
Cast # up:

Time	LOC	UTC
Begin:	1040	1740
Bottom:	1045	1745
End:	1057	1757

START POSITION (GPS)
LAT: 48 28 924
LONG: 125 15 313

BOTTOM POSITION (GPS)
LAT: 48 28 925
LONG: 125 15 306

END POSITION (GPS)
LAT: 48 28 932
LONG: 125 15 275

ROSETTE LOG

MISSION ID: 2003-31 STATION: LCB3 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 23/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL	CDOM			
1	24	1403	0.697	B-5	✓ 108	✓		✓	✓							
2	25	1404	0.645	100	✓ 100											
3	26	1406	1.070	75	✓ 75											
4	27	1407	1.379	50	✓ 51											
5	28	1410	1.452	30	✓ 29											
6	29	1411	2.607	20	19											
7	30	1414	3.404	10	9							✓✓				
8	31	1417	4.093	5	5							✓✓	✓			large bubble
9	32	1421	3.984	0	1.7	✓		✓	✓			✓✓	✓			
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: 15

Cast # up: 15

TimeLOCUTC

Begin: 15122212

Bottom: 15172217

End: 15292229

START POSITION (GPS)

LAT: 4834.61

LONG: 12530.06

BOTTOM POSITION (GPS)

LAT: 4834.59

LONG: 12530.02

END POSITION (GPS)

LAT: 4834.50

LONG: 12529.84

ROSETTE LOG

MISSION ID: 2003-84

STATION: LC11

CAST NUMBER: 21

UTC DATE (dd/mm/yyyy): 24/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM		
							OXY			ALK		CHL				
1	35	1387	0.354	bot-10	1493	✓										
2	36	1389	0.200	1200	1200	✓										
3	37	1391	0.142	1000	1000	✓							✓			
4	38	1393	0.115	800	800											
5	39	1394	0.227	600	600											
6	40	1397	0.339	500	500											
7	41	1398	0.593	400	400											
8	42	1399	0.872	300	300								✓			
9	43	1400	1.279	250	248											huge bubble
10	44	1402	1.124	200	199											
11	45	1403	1.200	175	175											
12	46	1404	1.284	150	150											
13	47	1406	1.466	125	123											
14	48	1407	1.777	100	100											
15	49	1410	1.932	75	74								✓			
16	50	1411	2.643	50	50											
17	51	1414	2.756	30	30											
18	52	1417	2.805	20	20											
19	53	1421	3.153	10	10							✓✓				
20	54	1422	3.180	5	4.9							✓✓	✓			
21	55	1423	3.261	0	1		↓	↓				✓✓	✓			
22																
23																
24																

ROSETTE LOG

MISSION ID: 2003-31 STATION: A4(C12) CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 24/9/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	Don					
1	56	1356	0.725	2000	✓ 2003	✓												
2	57	1358	0.399	1500	✓ 1500													
3	58	1360	0.183	1200	✓ 1200													
4	59	1361	0.138	1000	✓ 1001													
5	60	1362	0.125	800	✓ 799													
6	61	1363	0.255	600	✓ 601													
7	62	1364	0.379	500	✓ 500													
8	63	1365	0.550	400	✓ 399													
9	64	1366	0.746	300	✓ 301													
10	65	1367	0.846	250	✓ 250													
11	66	1368	0.894	200	✓ 199													
12	67	1369	1.061	175	✓ 175													
13	68	1371	1.368	150	✓ 150													
14	69	1386	1.661	125	✓ 124													
15	70	1373	2.079	100	✓ 101													
16	71	1374	2.094	75	✓ 76													
17	72	1376	2.571	50	✓ 50													
18	73	1383	3.198	30	✓ 30													
19	74	1378	2.920	20	✓ 21													
20	75	1379	3.191	10	✓ 10							✓✓						
21	76	1380	3.202	5	✓ 5							✓✓	✓					
22	77	1381	3.158	0	✓ 1							✓✓	✓					
23																		
24																		

Comments:

white Rock - Nuts

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2524

Cast # down: 22

Cast # up:

Time	LOC	UTC
Begin:	0110	0810
Bottom:	0141	0841
End:	0252	0952

START POSITION (GPS)	
LAT:	48 14.993
LONG:	126 40.026

BOTTOM POSITION (GPS)	
LAT:	48 14.980
LONG:	126 40.044

END POSITION (GPS)	
LAT:	48 14.986
LONG:	126 40.013

ROSETTE LOG

MISSION ID: 2003-31 STATION: LC7 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): Sept. 24/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
							OXY			ALK		CHL						
1	78	1387	0.780	bot-5	✓ 117													
2	79	1389	0.702	100	✓ 100													
3	80	1391	1.599	75	✓ 75	✓												
4	81	1393	1.605	50	✓ 50													
5	82	1394	1.529	30	✓ 30													
6	83	1397	1.723	20	✓ 19													
7	84	1398	2.663	10	✓ 11							✓						
8	85	1399	2.991	5	✓ 5							✓	✓					
9	86	1400	3.137	0	✓ 0			↓	↓			✓	✓					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 25
Cast # up: 25

Time	LOC	UTC
Begin:	0824	1524
Bottom:	0829	1529
End:	0840	1540

START POSITION (GPS)
LAT: 48 32 984
LONG: 126 00 482

BOTTOM POSITION (GPS)
LAT: 48 32 981
LONG: 126 00 474

END POSITION (GPS)
LAT: 48 32 975
LONG: 126 00 428

Comments: Oxy Titrations all clean, but near-surface values seem low. Bad Stals? used reports indicate vol. 5.05 ml N = 0.0101320
Oxy analyzed 25 Sept 03, morning stl vols reported as 0.475 (3X) Blank as 0.002, 0.002, 0.001
JPM

ROSETTE LOG

MISSION ID: 2003-31 STATION: A3/LC9 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): Sep 24 / 03.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM		
						OXY				ALK		CHL				
1	87			610												
2	88	1432	0.192	600	✓	600	✓									
3	89	1433	0.397	500	✓	499	✓									
4	90	1434	0.568	400	○	396	1									
5	91	1435	0.739	300	✓	298										
6	92	1460	0.787	250	✓	250										
7	93	1439	0.746	200	✓	201										
8	94	1441	0.866	175	✓	176										
9	95	1440	0.978	150	✓	151										
10	96	1442	1.117	125	✓	124										
11	97	1443	1.456	100	✓	100										
12	98	1444	1.323	75	✓	74										
13	99	1445	1.950	50	✓	50										
14	100	1446	1.745	30	✓	30										
15	101	1447	1.921	20	✓	21										
16	102	1448	2.773	10	✓	9						✓				
17	103	1449	3.269	5	✓	4						✓	✓			
18	104	1450	3.291	0	✓	1	✓	↓	↓			✓	✓			
19																
20																
21																
22																
23																
24																

Comments: # 29 crash Note: -0.011 sal offset - did all sals Oxy analysis - 25 Sept AM [Oxy] seems low

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 29

Cast # up: 30

Time LOC UTC

Begin: 1135 1835

Bottom:

End:

START POSITION (GPS)

LAT: 48 25.916

LONG: 126 13.711

BOTTOM POSITION (GPS)

LAT: 48 25.891

LONG: 126 13.616

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

Green Rock

MISSION ID: 2003-31 STATION: LC5 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 24/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		COND					
1	106	1356	1.233	B-5	- 55	x													
2	107	1358	1.259	B-5	- 55														
3	108	1360	1.336	50	/ 50														
4	109	1361	1.906	30	/ 30														
5	110	1362	2.434	20	/ 20														
6	111	1363	2.843	10	/ 10									✓	✓				
7	112	1364	3.118	5	/ 5									✓	✓	✓			
8	113	1365	3.183	0	/ 1.3									✓	✓	✓			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 65

Cast # down: 35

Cast # up: 35

Time

LOC

UTC

Begin: 2102 0402

Bottom: 2104 0404

End: 2111 0411

START POSITION (GPS)

LAT: 48 39 902

LONG: 125 47 428

BOTTOM POSITION (GPS)

LAT: 48 39 913

LONG: 125 47 424

END POSITION (GPS)

LAT: 48 39 958

LONG: 125 47 404

Comments: Oxy analyzed 25 Sept AM. All values seem low, but titrations are clean.
10date std 5.05 ml, N = 0.01013204 OFM

ROSETTE LOG

White RACK - NUTS

MISSION ID: 2003-31 STATION: LCO1 CAST NUMBER: 37 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		CDOM		
							OXY			ALK		CHL				
1	115	1479	1.253	bot-5	91			X								
2	116	1463	1.502	75	75	✓										
3	117	1464	1.440	50	50											
4	118	1465	1.987	30	30											
5	119	1466	2.169	20	20											
6	120	1467	2.387	10	10							✓				
7	121	1468	2.639	5	5							✓	✓			
8	122	1470	3.010	0	2		↓	↓				✓	✓			
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 98

Cast # down: 37
Cast # up: 37

Time	LOC	UTC
Begin:	2342	0642
Bottom:	2347	0647
End:	2356	0656

START POSITION (GPS)
LAT: 48 50 408
LONG: 125 27 806

BOTTOM POSITION (GPS)
LAT: 48 50 450
LONG: 125 27 872

END POSITION (GPS)
LAT: 48 50 430
LONG: 125 27 893

ROSETTE LOG

MISSION ID: 2003-31 STATION: LG01 CAST NUMBER: 44 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		CHL				
1	124	1475	1404	bot-5	50	✓												
2	125	1476	1.988	30	30	✓												
3	126	1477	2.429	20	21													
4	127	1478	3.249	10	9.8									✓				
5	128	1462	3.744	5	5.9									✓	✓			
6	129	1480	3.783	0	1.7			✓	✓					✓	✓			
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: 53

Cast # down: 44

Cast # up: 44

Time	LOC	UTC
Begin:	1022	1722
Bottom:	1024	1724
End:	1031	1731

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 20 526

LONG: 126 35 078

END POSITION (GPS)

LAT: 49 20 531

LONG: 126 35 063

ROSETTE LOG

MISSION ID: LG02 STATION: LG02 CAST NUMBER: 46 yellow Rack UTC DATE (dd/mm/yyyy): 25/9/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
1	130	1438	1.281	8-5	✓ 96	✓												
2	131	1432	1.666	75	✓ 75													
3	132	1433	1.668	50	✓ 51													
4	133	1434	2.097	30	✓ 30													
5	134	1435	2.751	20	✓ 20													
6	135	1460	3.095	10	✓ 10							✓	✓					
7	136	1439	4.002	5	✓ 6							✓	✓	✓				
8	137	1441	4.238	0	✓ 2			↓	↓			✓	✓	✓				
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: tolly

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 101

Cast # down: 46

Cast # up: _____

TimeLOCUTC

Begin: 12101910

Bottom: 12131913

End: _____

START POSITION (GPS)

LAT: 49 18 721

LONG: 126 38.088

BOTTOM POSITION (GPS)

LAT: 49 18.720

LONG: 126 38 110

END POSITION (GPS)

LAT: _____

LONG: _____

ROSETTE LOG

MISSION ID: 2003-31 STATION: 6604 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 25/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	CO ₂					
1	139	1356	0.734	B-5	✓ 141	✓	✓	✓										
2	140	1358	0.930	125	✓ 124													
3	141	1360	1.489	100	✓ 99													
4	142	1361	1.716	75	✓ 76													
5	143	1362	1.934	50	✓ 50													
6	144	1363	1.736	20	✓ 20													
7	145	1364	2.207	20	✓ 19													
8	146	1365	2.446	10	✓ 12							✓	✓					
9	147	1366	3.197	5	✓ 5							✓	✓	✓				
10	148	1367	3.233	0	✓ 1.8		✓	✓				✓	✓					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 146

Cast # down: 48

Cast # up:

Time	LOC	UTC
Begin:	1416	2116
Bottom:	1419	2119
End:		

START POSITION (GPS)

LAT: 49 11.292

LONG: 126 49.357

BOTTOM POSITION (GPS)

LAT: 49 11.287

LONG: 126 49.334

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-31 STATION: LG07 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 26/07/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	CDOM					
1	151		1387	Bot-10	/	1729	x											
2	152	0.137	1389	1000	/	1000	x											
3	153	0.138	1391	800	/	798	x											
4	154	0.249	1393	600	/	601	x											
5	155			500	/	501												
6	156			400	/	400												
7	157			300	/	360												
8	158			250	/	250												
9	159			200	/	200												
10	160			175	/	175												
11	161			150	/	150												
12	162			125	/	125												
13	163			100	/	100												
14	164			75	/	75												
15	165			50	/	50												
16	166			30	/	29												
17	167			20	/	20												
18	168			10	/	10						✓✓						
19	169			5	/	5		✓	✓			✓✓	✓					
20	170			0			x	x				✓✓	✓					
21																		
22																		
23																		
24																		

Comments: ONLY BOTTLES 1-4 TRIPPED
REDO 0-500 M.

RED RACK - A cast

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 1729

Cast # down: 53
Cast # up: 53

Time	LOC	UTC
Begin:		01:35
Bottom:		01:58
End:		

START POSITION (GPS)
LAT: 48 59.29
LONG: 127 07.21

BOTTOM POSITION (GPS)
LAT: 48 59.29
LONG: 127 07.22

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

ORANGE RACK B cast

MISSION ID: 2003-31 STATION: LG07 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 26/09/2003

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	155	1394	0.379	500	/ 497													
2	156	1397	0.558	400	/ 399													
3	157	1398	0.754	300	/ 300													
4	158	1399	0.943	250	/ 248													
5	159	1400	0.999	200	/ 201													
6	160	1402	1.051	175	/ 173													
7	161	1403	1.187	150	/ 151													
8	162	1404	1.452	125	/ 125													
9	163	1406	1.796	100	/ 99													
10	164	1407	1.786	75	/ 73													
11	165	1410	1.744	50	/ 48													
12	166	1411	2.423	30	/ 30													
13	167	1414	2.231	20	/ 20													
14	168	1417	2.634	10	/ 10								✓✓					
15	169	1421	3.342	5	/ 4.5								✓✓	✓				
16	170	1422	3.680	0	/ 58								✓✓	✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 55
Cast # up: 55

Time	LOC	UTC
Begin:	0833	0333
Bottom:	0840	0340
End:	0	0408

START POSITION (GPS)
LAT: 48 59 370
LONG: 127 07 145

BOTTOM POSITION (GPS)
LAT: 48 59 365
LONG: 127 07 144

END POSITION (GPS)
LAT: 48 59 386
LONG: 127 07 180

REWRITTEN

MISSION ID: 2003-31

STATION: LG09

CAST NUMBER: 57

UTC DATE (dd/mm/yyyy):

[illegible]

SHIP: TULLY

ENTERED BY: DLM

CHECKED BY:

Bottom Depth:

Cast # down: 57

Cast # up:

Time	LOC	UTC
------	-----	-----

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2003-31 STATION: L609 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 26/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK		CHL		
1	177	1356	0.357	1500	✓ 1500	✓		✓										
2	173	1358	0.170	1200	✓ 1200													
3	174	1360	0.114	1000	✓ 1000													
4	175	1361	0.120	800	✓ 800													
5	176	1362	0.213	600	✓ 599													
6	177	1363	0.385	500	✓ 500													
7	178	1364	0.528	400	✓ 400													
8	179	1365	0.776	300	✓ 299													
9	180	1367	0.774	250	✓ 250													
10	181	1366	1.027	200	✓ 199													
11	182	1368	1.280	175	✓ 175													
12	183	1369	1.433	150	✓ 150													
13	184	1371	1.728	125	✓ 124													
14	185	1386	2.438	100	✓ 99													
15	186	1373	2.152	75	✓ 74													
16	187	1374	2.916	50	✓ 50													
17	188	1376	2.963	30	✓ 30													
18	189	1383	3.084	20	✓ 20													
19	190	1378	2.991	10	✓ 10								✓					
20	191	1379	2.962	5	✓ 5								✓			✓		
21	192	1380	2.949	0	✓ 2			✓	✓				✓			✓		
22																		
23																		
24																		

Comments: used manual trip on d/u - LTD to 2067, two bottles (2067 & 2000m) failed to trip. This log sheet rewritten to avoid relabelling sample bottles

titrated oxy too low - need shoreside redo of standard

Notes - Blue Rack

SHIP: Tully
ENTERED BY: Dong Y
CHECKED BY:

Bottom Depth: 2059

Cast # down: 57
Cast # up:

Time	LOC	UTC
Begin:	2355	0655
Bottom:	0024	0724
End:	0831	0831

START POSITION (GPS)
LAT: 48 51.17
LONG: 127 19.379

BOTTOM POSITION (GPS)
LAT: 48 51.208
LONG: 127 19.414

END POSITION (GPS)
LAT: 48 51.200
LONG: 127 19.384

ROSETTE LOG

MISSION ID: 2003-31 STATION: LBP7 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 26/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDM		
						OXY				ALK		CHL				
1	194	1356	0.734	2000	✓ 2010	✓										
2	195	1358	0.356	1500	✓ 1500											
3	196	1360	0.183	1200	✓ 1195											
4	197	1361	0.120	1000	✓ 999	✓										
5	198	1362	0.125	800	✓ 800											
6	199	1363	0.300	600	✓ 600											
7	200	1364	0.598	500	✓ 499											
8	201	1365	0.925	400	✓ 399											spigot open
9	202	1367	1.054	300	✓ 301											" "
10	203	1366	1.129	250	✓ 250											
11	204	1368	1.597	200	✓ 200											
12	205	1369	1.744	175	✓ 175											
13	206	1371	2.084	150	✓ 150											
14	207	1386	2.433	125	✓ 126											spigot open
15	208	1373	2.620	100	✓ 100											" "
16	209	1374	2.935	75	✓ 75											
17	210	1376	3.215	50	✓ 50											
18	211	1383	2.924	30	✓ 29											
19	212	1378	2.911	20	✓ 20											wrong sample no. on file
20	213	1379	2.898	10	✓ 10							✓				
21	214	1380	2.899	5	✓ 5							✓	✓			
22	215	1382	2.907	0	✓ 2							✓	✓			
23																
24																

Comments:

SHIP: Tolly
ENTERED BY:
CHECKED BY:

Bottom Depth: 2186

Cast # down: 61
Cast # up: 61

Time	LOC	UTC
Begin:		1940
Bottom:		2006
End:		2058

START POSITION (GPS)
LAT: 49 52.369
LONG: 127 11.185

BOTTOM POSITION (GPS)
LAT: 49 52.357
LONG: 128 11.020

END POSITION (GPS)
LAT: 49 52.164
LONG: 128 11.658

ROSETTE LOG

MISSION ID: 2003-31

STATION: LBP5

CAST NUMBER: 66

UTC DATE (dd/mm/yyyy): 27/09/2003

yellow not rack

DA
Y
T
13
7

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Confirmed bottle pos & depth
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM				
							OXY			ALK		CHL						
1	216	1389	0.254	Bot - 10	✓ 1270	✓												1270 1
2	217	1391	0.165	1000	✓ 997	✓												998 2
3	218	1393	0.141	800	✓ 798	✓												797 3
4	219	1394	0.236	600	✓ 597	✓												595 4
5	220	1397	0.389	500	✓ 497	✓												499 5
6	221	1398	0.697	400	✓ 392													100
7	222	1399	0.744	300	302													
8	223	1400	0.859	250	251													
9	224	1402	0.995	200	200													
10	225	1403	1.025	175	175													
11	226	1404	1.344	150	150													
12	227	1406	1.569	125	120													
13	228	1407	2.225 (12)	100	✓ 99.6													Depth bottle pos *
14	229	1410	2.565 (13)	75	✓ 73													100 12
15	230	1411	2.814 (14)	50	✓ 45													74 13
16	231	1414	2.849 (15)	30	✓ 29													46 14
17	232	1417	3.233 (16)	20	✓ 20													30 15
18	233	1421	3.262 (17)	10	✓ 10								✓✓					20 16
19	234	1422	3.398 (18)	5	✓ 5								✓✓	✓				11 17
20	235	no oxy sample		0	0								✓✓	✓				5 18
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 1282

Cast # down: 66

Cast # up: 66

Time	LOC	UTC
Begin:		0221
Bottom:		0240
End:		

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 59.93

LONG: 127 59.78

END POSITION (GPS)

LAT:

LONG:

Comments:

13 bottle trip confirmation

19 bottles tripped

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2003-31

STATION: LBP 3

CAST NUMBER: 68

UTC DATE (dd/mm/yyyy): 27/09/2003
Sept. 27/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	DOM					
1	237	1479	1.085	bot-5	✓ 159													
2	238	1463	1.120	150	✓ 152	✓												
3	239	1464	1.271	125	✓ 124													
4	240	1465	1.634	100	✓ 99													
5	241	1466	2.095	75	✓ 76													
6	242	1467	2.266	50	✓ 48													
7	243	1468	2.297	30	✓ 29													
8	244	1470	2.808	20	✓ 20													
9	245	1471	3.154	10	✓ 10							✓✓						
10	246	1472	3.241	5	✓ 5							✓✓	✓					
11	247	1473	3.291	0	✓ 1.3		✓✓	✓				✓✓	✓					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Oxy's all low by factor of ~2.0

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0557
End:		0612

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 50 03 22.3

LONG: 127 55 13.8

END POSITION (GPS)

LAT: 50 03 24.8

LONG: 127 54 9.4

ROSETTE LOG

BLUE RACK

MISSION ID: 2003-31 STATION: ODAS CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): 28/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	CDM				
1	250	1389	0.330	Bot - 10	/	1396	X											
2	251	1391	0.287	1300	/	1300	X							✓				
3	252	1393	0.219	1200	/	1199	X											
4	253	1394	0.171	1000	/	1001	X											
5	254	1397	0.230	800	-	803												
6	255	1398	0.383	600	/	600												
7	256	1399	0.492	500	/	500												
8	257	1400	0.837	400	/	400								✓				
9	258	1402	0.864	300	/	300												
10	259	1403	0.979	250	/	251												
11	260	1404	1.242	200	/	201												
12	261	1406	1.462	175	/	176												
13	262	1407	1.668	150	/	150								✓				
14	263	1410	1.705	125	/	125												
15	264	1411	1.988	100	/	99												
16	265	1414	2.218	75	/	75								✓				
17	266	1417	2.582	50	/	49												
18	267	1421	2.994	30	/	24												
19	268	1422	3.028	20	/	21								✓				
20	269	1423	3.304	10	/	11								✓				
21	270	1424	3.056	5	/	7								✓				
22	271	1425	3.059	0	/	.97								✓	✓			
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2140 1420

Cast # down: 79

Cast # up: 79

Time	LOC	UTC
Begin:		2:10
Bottom:		2:31
End:		03:18

START POSITION (GPS)

LAT: 50 53 . 11

LONG: 130 00 . 31

BOTTOM POSITION (GPS)

LAT: 50 53 . 08

LONG: 130 00 . 48

END POSITION (GPS)

LAT: 50 53 968

LONG: 130 00 835

Comments: Check Niskin 20-269 (3.034??)

ROSETTE LOG

NUTS-GREEN RACK

MISSION ID: 2003-31 STATION: C502 CAST NUMBER: 86 UTC DATE (dd/mm/yyyy): 28/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	CDOM					
1	273	1356	0.652	B-10	✓ 1900	✓	✓	✓										
2	274	1358	0.313	1500	✓ 1500	✓												
3	275	1360	0.160	1200	✓ 1200	✓												
4	276	1361	0.142	1000	✓ 1000													
5	277	1362	0.125	800	✓ 800													
6	278	1363	0.259	600	✓ 599													
7	279	1364	0.565	500	✓ 498													
8	280	1365	0.627	400	✓ 400													
9	281	1367	0.936	300	✓ 300													
10	282	1366	1.110	250	✓ 250													
11	283	1368	1.248	200	✓ 200													
12	284	1369	1.382	175	✓ 175													
13	285	1371	1.746	150	✓ 150													
14	286	1386	2.008	125	✓ 125													
15	287	1373	2.620	100	✓ 99													
16	288	1374	2.167	75	✓ 75													
17	289	1376	2.210	50	✓ 50													
18	290	1383	2.631	30	✓ 30													
19	291	1378	2.826	20	✓ 20													
20	292	1379	3.008	10	✓ 10							✓	✓					
21	293	1380	3.044	5	✓ 5							✓	✓	✓				
22	294	1382	3.030	0	✓ 1			✓	✓			✓	✓	✓				
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 1800?

Cast # down: 86

Cast # up: 86

Time	LOC	UTC
Begin:		1159
Bottom:		1240
End:		1333

START POSITION (GPS)

LAT: 50 41.28

LONG: 129 28.04

BOTTOM POSITION (GPS)

LAT: 50 41.34

LONG: 129 27.97

END POSITION (GPS)

LAT: 50 41.28

LONG: 129 28.50

ROSETTE LOG

MISSION ID: 2003-31 STATION: CS04 CAST NUMBER: 90 UTC DATE (dd/mm/yyyy): 28/09/2003.

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDM				
1	296	1438	1.797	bot-5	✓ 88													
2	297	1432	2.120	75	✓ 72.5	✓												
3	298	1433	2.647	50	✓ 50													
4	299	1434	2.803	30	✓ 29													
5	300	1435	2.779	20	✓ 20.0													
6	301	1460	2.848	10	✓ 9.9								✓					
7	302	1439	2.858	5	✓ 4.6								✓	✓				
8	303	1441	2.850	0	✓ 1.2			↓	↓				✓	✓				
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 97

Cast # down: 90

Cast # up:

Time

LOC

UTC

Begin: 16:45:4

Bottom: 16:50

End: 16:59

START POSITION (GPS)

LAT: 50 49.194

LONG: 129 13.100.

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 50 49.272

LONG: 129 13.157.

ROSETTE LOG

MISSION ID: 2003-31 STATION: CS06 CAST NUMBER: 94 UTC DATE (dd/mm/yyyy): 28/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL	com					
1	306	1440	1.968	13-5	✓ 64	✓		✓	✓									
2	307	1442	1.929	50	✓ 50	✓												
3	308	1443	2.112	30	✓ 29													
4	309	1444	2.332	20	✓ 21													
5	310	1445	3.277	10	✓ 9								✓✓					
6	311	1446	3.550	5	✓ 5								✓✓	✓				
7	312	1447	3.365	0	✓ 2			✓	✓				✓✓	✓				
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2003-31

STATION: CS08

CAST NUMBER: 98

UTC DATE (dd/mm/yyyy): 28/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			ALK		CHL	CDP					
1	314	1356	1.424	8-5	✓ 142	✓	✓	✓										
2	315	1358	1.331	125	✓ 125	✓												
3	316	1360	1.507	100	✓ 99													
4	317	1361	1.775	75	✓ 74													
5	318	1362	2.167	50	✓ 50													
6	319	1363	2.537	30	✓ 28													
7	320	1364	2.737	20	✓ 20													
8	321	1365	2.975	10	✓ 10							✓✓						
9	322	1366	3.132	5	✓ 5							✓✓	✓					
10	323	1367	3.193	0	✓ 2			✓	✓			✓✓	✓					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

WHITE RACK

MISSION ID: 2003-31 STATION: C510 CAST NUMBER: 103 UTC DATE (dd/mm/yyyy): 29/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	CDG					
1	325	1358	2.172	Bot -10	✓													
2	326	1369	2.423	50	✓													
3	327	1371	2.667	30	✓													
4	328	1373	2.583	20	✓													
5	329	1374	2.706	10	✓							✓✓						
6	330	1376	2.787	5	✓							✓✓	✓					
7	331	1378	2.852	0				✓	✓			✓✓	✓					
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 79

Cast # down: 103

Cast # up: 103

Time

LOC

UTC

Begin: 0212

Bottom: 0214

End: 0222

START POSITION (GPS)

LAT: 51 16.61

LONG: 128 20.08

BOTTOM POSITION (GPS)

LAT: 51 16.62

LONG: 128 20.13

END POSITION (GPS)

LAT: 51 16.77

LONG: 128 20.30

ROSETTE LOG

MISSION ID: 2003-31

STATION: CPEI

CAST NUMBER: 104

UTC DATE (dd/mm/yyyy):

Sept. 29/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CDOM					
1	332	1380	1.433	6-10	✓ 134.5														
2	333	1381	1.430	125	✓ 125.1	✓													
3	334	1382	1.382	100	✓ 103.5														
4	335	1383	1.740	75	✓ 76														
5	336	1384	1.918	50	✓ 48.2														
6	337	1385	2.008	30	✓ 32.5														
7	338	1482	2.100	20	✓ 19.79														
8	339	1486	1.960	10	✓ 10.08								✓						
9	340	1481	2.141	5	4.56								✓	✓					
10	341	1461	2.147	0	0.70	✓	✓	✓					✓	✓					
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 135

Cast # down: 103

Cast # up:

Time LOC UTC

Begin: 5:35

Bottom: 5:41

End: 5:53

START POSITION (GPS)

LAT: 50 59.965

LONG: 127 50.053.

BOTTOM POSITION (GPS)

LAT: 50 59.911

LONG: 127 50.184

END POSITION (GPS)

LAT: 50 59.724

LONG: 127 50.588

Comments:

ROSETTE LOG

Nuts: Green (green nuts? - bumper!)

MISSION ID: 2003-31 STATION: QCS 5 CAST NUMBER: 108 UTC DATE (dd/mm/yyyy): Sept. 29/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	CDOM					
1	342	1448	1.455	6-10	✓ 148													
2	343	1449	1.484	100	✓ 100	✓												
3	344	1450	1.616	75	✓ 75													
4	345	1451	1.779	50	✓ 50													
5	346	1452	2.052	30	✓ 30													
6	347	1453	1.884	20	✓ 20													
7	348	1454	2.080	10	✓ 10							✓✓						
8	349	1455	2.078	5	✓ 5							✓✓	✓					
9	350	1456	2.103	0	✓ 1			↓	↓			✓✓	✓					
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 108

Cast # up:

Time	LOC	UTC
Begin:		0921
Bottom:		0925
End:		0937

START POSITION (GPS)

LAT: 50 49.420

LONG: 127 21.604

BOTTOM POSITION (GPS)

LAT: 50 49.416

LONG: 127 21.588

END POSITION (GPS)

LAT: 50 49.429

LONG: 127 21.607

ROSETTE LOG

YELLOW RACK

MISSION ID: 2003-31 STATION: QCS1 CAST NUMBER: 110 UTC DATE (dd/mm/yyyy): 29/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	CDOM				
1	352	1479	1.282	Bot - 10	✓	150												
2	353	1463	1.292	100	✓	100	✓											
3	354	1464	1.379	75	✓	75												
4	355	1465	1.634	50	✓	50												
5	356	1466	1.631	30	✓	30												
6	357	1467	1.719	20	✓	20												
7	358	1471	1.797	10	✓	10							✓✓					
8	359	1470	1.880	5	✓	5							✓✓	✓				
9	360	1486	1.763	0	✓	2							✓✓	✓				
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 159

Cast # down: 110

Cast # up: 110

Time	LOC	UTC
Begin:	1955	1255
Bottom:	2000	1300
End:	2013	1313

START POSITION (GPS)

LAT: 50 40 07

LONG: 126 46.30

BOTTOM POSITION (GPS)

LAT: 50 40.05

LONG: 126 46.32

END POSITION (GPS)

LAT: 50 39.98

LONG: 126 46.32

Test Trays LBP 8

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ROSETTE LOG

MISSION ID: STATION: CAST NUMBER: UTC DATE (dd/mm/yyyy):

ROSETTE OPERATION		Samples taken													
Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13							
		OXY				ALK		CHL							

Niskin Sample OXY. OXY.
No. No. Flask ml/l

1				w 2087	✓										
2				w 2056	✓										
3				w 2024	✓										
4				w 1990	✓										
5				w 1945	✓										
6				w 1873	✓										
7			stopped	w 1800	✓										
8				w 1700	✓										
9				w 1567	-										
10			stopped	w 1522	✓										
11				w 1468	✓										
12				w 1370	✓										
13			stopped	w 1200											
14				w 1100	-										
15				w 770	✓										
16			stopped	w 554	✓										
17			stopped	w 200	✓										
18				4											
19				4											
20				4											
21				4											
22				4											
23				4											
24				4											

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: