

ROSETTE LOG

MISSION ID: 2003-27 STATION: ST03 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 30/08/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												(oxy comments)
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH4	ALK		CHL						
1	1	1356	0.334	Bot-5	✓	220	✓	✓	✓									didn't Δ flask #
2	2	1358	0	200	✓		✓	✓	✓									(yes I did) oxy comp
3	3	1361	0.026	175	✓		✓		✓									
4	4	1360	0.119	175	✓		✓											
5	5	1363	0	150	✓				✓									
6	6	1362	0.244	125	✓													
7	7	1364	0.602	100	✓													
8	8	1365	0.784	75	✓													
9	9	1366	2.420	50	✓													
10	10	1367	3.022	30	✓													
11	11	1368	3.288	20	✓													
12	12	1369	3.564	10	✓													
13	13	1372	4.549	4	✓		✓	✓	✓									
14				4	✓													} Tripped for PP
15				4	✓													
16				4	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NH4 samples drawn by JEB-C
Sample #1 oxy - put in wrong depth oxy computer (ST1)

SHIP: JOHN P TULLY

ENTERED BY: M Robert

CHECKED BY:

Bottom Depth: 225

Cast # down: 1

Cast # up: 1

TimeLOCUTC

Begin:2102

Bottom:2107

End:2124

START POSITION (GPS)

LAT: 48°35'94"

LONG: 123°30'05"

BOTTOM POSITION (GPS)

LAT: 48°35'95"

LONG: 123°30'02"

END POSITION (GPS)

LAT: 48°35'96"

LONG: 123°30'04"

ROSETTE LOG

MISSION ID: 2003-27 STATION: P2 (1) CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 31/8/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PP	POC	BSi	Prod	
								OXY	+NH ₄			ALK		CHL				
1	15			30					✓				}	✓	✓	✓	✓	✓
2	16			30									}					
3	17			30									}					
4	18			20					✓				}	✓	✓	✓	✓	✓
5	19			20									}					
6	20			20									}					
7	21			14					✓				}	✓	✓	✓	✓	✓
8	22			14									}					
9	23			14									}					
10	24			9					✓				}	✓	✓	✓	✓	✓
11	25			9									}					
12	26			9									}					
13	27			5					✓				}	✓	✓	✓	✓	✓
14	28			5									}					
15	29			5									}					
16	30			2					✓				}	✓	✓	✓	✓	✓
17	31			2									}					
18	32			2									}					
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NISKINS soaked w/ Saanich Inlet water, 75m for ~15h. Sampling at light depths (estimated)

SHIP: Tully
ENTERED BY: FW
CHECKED BY:

Bottom Depth:

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:		1535
Bottom:		1537
End:		1546

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 48 36 02
LONG: 125 59.87

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-27 STATION: P2(2) + PAR CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 31/08/03

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	33	1356	1.376	B-5	✓ 111	✓	✓	✓										
2	34	1364	2.160	100	✓ 100	✓	✓	✓										
3	35	1366	4.261	75	✓ 75	✓	✓	✓										
4	36	1360	5.361	50	✓ 50	✓	✓	✓										high oxy value.
5	37	1363	4.380	25	✓ 25	✓	✓	✓										
6	38	1367	6.459	10	✓ 10	✓	✓	✓										
7	39	1368	6.934	4	✓ 4	✓	✓	✓										
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: H.M

CHECKED BY:

Bottom Depth: 115

Cast # down: 005

Cast # up:

Time	LOC	UTC
Begin:		1703
Bottom:		1709
End:		

START POSITION (GPS)

LAT: 48 35 97

LONG: 126 00 05

BOTTOM POSITION (GPS)

LAT: 48 35 97

LONG: 126 00 05

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-27 STATION: P4 CAST NUMBER: 008/009 UTC DATE (dd/mm/yyyy): 31/08/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Green Samples taken										Had to use Flask # - for oxy
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
								OXY			ALK		CHL			
1	41	1432	0.470	B-20	1300-1321	✓	✓	✓		✓						0.4795 ✓ #1356
2	42	1433	0.375	1250	1247					✓						0.4068 1357
3	43	1434	0.271	1000	997					2						0.2788 1356
4	44	1435	0.204	1000	997					✓						0.2206 1357
5	45	1437	0.235	800	802					✓						0.2401 1356
6	46	1438	0.512	600	596					✓						0.5554 1357
7	47	1439	1.050	400	399					✓						1.101 1356
8	48	1440	1.588	300	298					✓						1.737 1357
10	49	1441	1.783	250	247					✓						1.871 1356
11	50	1442	1.955	200	196					✓						2.083 1357
12	51	1443	2.363	175	176					✓						2.401 1356
13	52	1444	2.860	-150	✓ 150					✓						3.060 1357
14	53	1445	3.024	-125	125					✓						3.065 1356
15	54	1446	4.312	100	99					✓						4.565 1357
16	55	1447	4.401	75	72					✓						4.512 1356
17	56	1448	4.995	50	49					✓						5.3729 1357
18	57	1449	5.687	25	27					✓						5.849 1356
19	58	1450	5.738	10	7					✓						6.279 1357
20	59	1451	6.094	4	5		✓	✓	✓	✓		✓				6.270 1356
20																
21																D.O. values
22																
23																
24																

Comments: Bottle 9 was closed when the rosette was launched.
Cast re-started at the bottom as 2003-27-0009 due to computer glitch not allowing us to close the bottles.
Went back down to 800m because bottle 5 was not fired - finger trouble
Re: Box 7 of oxy flasks - I don't have the updated .vol file - am using other flask numbers + will update it back at JOS. (ST)

SHIP: Tully
ENTERED BY: R.P. / A.T.
CHECKED BY:

Bottom Depth: 1322

Cast # down: 2003-27-0008
Cast # up: 2003-27-0009

Time	LOC	UTC
Begin:		23:40
Bottom:		00:01
End:		00:52

START POSITION (GPS)
LAT: 48 39.01
LONG: 126 39.93

BOTTOM POSITION (GPS)
LAT: 48 39.01
LONG: 126 39.97

END POSITION (GPS)
LAT: 48 38.99
LONG: 126 39.98

ROSETTE LOG

MISSION ID: 2003-27 STATION: P8 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 01/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												FLASH # USED
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	60	1432	1.892	Bot-20	✓	2532	✓	✓	✓									1.930 1356
2	61	1433	1.323	2000	✓				1									1.432 1357
3	62	1434	0.660	1500	✓													0.6793 56
4	63	1435	0.358	1250	✓													Updated 0.387 57
5	64	1437	0.235	1000	✓													W 0.240 56
6	65	1438	0.221	800	✓													0.2397 57
7	66	1439	0.271	800	✓													0.2843 ← TC
8	67	1440	0.375	600	✓													0.4102
9	68	1441	1.639	400	✓													Do NOT USE 1.7203
10	69	1442	1.972	300	✓													THIS BOX 7 2.1009
11	70	1443	2.399	250	✓													AGAIN 2.438
12	71	1444	3.022	200	✓													3.233
13	72	1445	3.459	175	✓													3.507 1356
14	73	1446	3.296	150	✓													3.489 1357
15	74	1447	4.763	125	✓													4.883 1356
16	75	1448	5.149	100	✓													5.539 57
17	76	1449	6.085	75	✓													6.359 56
18	77	1450	5.550	50	✓													6.073 57
19	78	1451	5.786	25	✓													5.953 56
20	79	1452	5.388	10	✓													5.7524 57
21	80	1453	5.560	7	✓			✓	✓			✓						Duplicate at 4m 56
22	81	1454	5.328	4	✓			(X)										for oxygen cal. 57
23																		5.767 (4m) purposes
24																		5.777 (4m)

Comments:

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 2519

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		2151
Bottom:		2231
End:		2372319

START POSITION (GPS)
LAT: 48 49 00
LONG: 128 40 02

BOTTOM POSITION (GPS)
LAT: 48 49.03
LONG: 128 40 02

END POSITION (GPS)
LAT: 48 48.96
LONG: 128 40.06

ROSETTE LOG

MISSION ID: 2003-27

STATION: P12

CAST NUMBER: 21

UTC DATE (dd/mm/yyyy): 2 Sep 2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	Phy	chl		PO2	POp	BSi	PROD	
							OXY		NH4		ALK	15N	CHL					
1	106			60	261			✓	✓		✓	✓	✓	✓	✓	✓	✓	
2	107			60	62													
3	108			60	61													
4	109			45	245			✓	✓		✓	✓	✓	✓	✓	✓	✓	
5	110			45	44.5													
6	111			45	45													
7	112			28	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	
8	113			28	✓													
9	114			28	✓													
10	115			13	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	
11	116			13	✓													
12	117			13	✓													
13	118			7	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	
14	119			7	✓													
15	120			7	✓													
16	121			2	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	
17	122			2	✓													
18	123			2	✓													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: JW

CHECKED BY:

Bottom Depth: 3228

Cast # down: 21

Cast # up:

Time	LOC	UTC
Begin:		1409
Bottom:		1412
End:		1429

START POSITION (GPS)

LAT: 48 58.18

LONG: 130 39.94

BOTTOM POSITION (GPS)

LAT: 48 58.18

LONG: 130 39.95

END POSITION (GPS)

LAT: 48 58.25

LONG: 130 39.96

ROSETTE LOG

MISSION ID: 2003-27 STATION: P12 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 02/09/03

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	124	1356	2.327	B-20	✓ 3274	✓	✓	✓		✓								
2	125	1364	2.475	3000	✓	✓	✓	✓		✓								
3	126	1366	1.923	2500	✓	✓	✓	✓										
4	127	1360	1.375	2000	✓					a b								
5	128	1363	1.274	2000	✓													
6	129	1367	0.593	1500	✓													
7	130	1368	0.320	1250	✓													RAM 131 BEFORE
8	131	1361	0.269	1000	✓													130 (1ST TIME WAS
9	132	1362	0.305	800	✓													WATER TITRATION)
10	133	1369	0.621	600	✓													
11	134	1358	1.257	400	✓													DIFF 134/135
12	135	1365	2.047	300	✓													oxy value high
13	136	1372	1.850	250	✓													
14	137	1373	2.119	200	✓													
15	138	1374	2.413	175	✓													
16	139	1375	2.868	150	✓													
17	140	1376	3.737	125	✓													
18	141	1377	4.595	100	✓													
19	142	1378	5.245	75	✓													
20	143	1379	5.982	50	✓													
21	144	1380	6.477	25	✓													bit high oxy value
22	145	1381	5.744	10	✓													
23	146	1382	5.860	4		✓	✓	✓		✓								
24																		

Comments:

ORANGE
RACK

SHIP: TULLY

ENTERED BY: JW

CHECKED BY: H.M.

Bottom Depth: 3230

Cast # down: 23

Cast # up:

Time	LOC	UTC
Begin:		1608
Bottom:		1653
End:		1759

START POSITION (GPS)

LAT: 48 58.19

LONG: 130 39.96

BOTTOM POSITION (GPS)

LAT: 48 58 26

LONG: 130 39 94

END POSITION (GPS)

LAT: 48 58 19

LONG: 130 40 0

ROSETTE LOG

MISSION ID: 2003-27 STATION: P16 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 03/09/2003

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	151	1387	2.686	8-20	✓ 3685	✓	✓	✓		✓								
2	152	1389	2.656	3500	✓													
3	153	1391	2.778	3000	✓													FLASH
4	154	1393	1.978	2500	✓													"1400 AND UP
5	155	1394	1.207	2000	✓													NOT IN FILES
6	156	1397	0.499	1500	✓													"IN VALID FLASH NUMBER
7	157	1398	0.350	1250	✓													CANNOT PROCEED "
8	158	1399	0.294	1000	✓													
9	159	1400	0.398	800	✓									0.433		1398		
10	160	1402	0.644	600	✓									0.671		1399		updated
11	161	1403	1.489	400	✓ 402									1.701		1398		in file
12	162	1404	2.567	300	✓									2.897		1399		oxy file
13	163	1406	3.045	250	✓									3.252		1398		oxy file
14	164	1407	3.638	250 200	✓ 249 oops									3.938		1399		oxy file
15	165	1410	4.412	200 175	✓									4.802		1398		
16	166	1411	4.869 *	175 150	✓									5.359		1399		* BUBBLE on
17	167	1414	6.082 +	150	✓					✓				6.819		1398		* LENS
18	168	1417	5.504	125	✓									6.102		1399		
19	169	1421	5.712	100	✓									6.170		1398		
20	170	1422	6.660	75	✓									7.083		1399		
21	171	1423	7.316	50	✓									7.991		1398		
22	172	1424	6.802	25	✓									7.586		1399		
23	173	1425	6.433	10	✓									6.823		1398		
24	174	1426	6.224	4	✓								✓	6.371		1399		

Comments: GREEN RACK D.O. m/l

SHIP: TULLY
ENTERED BY: H.M. / S.T.
CHECKED BY:

Bottom Depth: 3423

Cast # down: 35
Cast # up:

Time	LOC	UTC
Begin:		2110
Bottom:		2206
End:		

START POSITION (GPS)
LAT: 49° 16.93
LONG: 134° 40.01

BOTTOM POSITION (GPS)
LAT: 49° 17.02
LONG: 134° 40.05

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-27 STATION: P20 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 4/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	178	1356	2.961	Bot-20	✓	4020	✓	✓		✓								
2	179	1358	2.829	3500	✓													
3	180	1360	2.536	3000	✓	3003												
4	181	1361	1.897	2500	✓	2501												
5	182	1362	1.231	2000	✓	2002				2.5								
6	183	1363	1.274	2000	✓	2002												
7	184	1364	0.546	1500	✓	1502												
8	185	1365	0.387	1250	✓	1251												
9	186	1366	0.275	1000	✓													
10	187	1367	0.386	800	✓	801												
11	188	1368	0.631	600	✓													
12	189	1369	1.325	400	✓													
13	190	1372	2.067*	300	✓													* bit high
14	191	1373	1.811	250	✓													
15	192	1374	3.250	200	✓													
16	193	1375	3.670	175	✓													
17	194	1376	4.384	150	✓													
18	195	1377	5.109	125	✓													
19	196	1378	5.771	100	✓													
20	197	1379	6.467	75	✓													
21	198	1380	6.828	50	✓													
22	199	1381	6.076	25	✓													
23	200	1382	6.071	10	✓													
24	201	1383	6.079	4		30	✓	✓	✓	✓			✓					

Comments: BLUE BACK

SHIP: JOHN P TULLY
ENTERED BY: MR /S.T.
CHECKED BY:

Bottom Depth: 3949

Cast # down: 44
Cast # up:

Time	LOC	UTC
Begin:		2203
Bottom:		2301
End:		0007

START POSITION (GPS)
LAT: 49°33.97
LONG: 138°39.96

BOTTOM POSITION (GPS)
LAT: 49°34.25
LONG: 138°40.14

END POSITION (GPS)
LAT: 49°34.08
LONG: 138°39.98

ROSETTE LOG

DEEP CAST

MISSION ID: 2003-27 STATION: P26 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 06/09/2003

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	210	1356	3.214	But-20	✓ 4280	✓	✓	✓		✓		✓						
2	211	1358	3.124	4000	✓													
3	212	1360	3.046	3500	✓													
4	213	1361	2.499	3000	✓													*1365(217)
5	214	1362	1.973	2500	✓													1366(218)
6	215	1363	1.391	2000	✓					alc		alc						ORDER BACKWARDS
7	216	1364	0.621	1500	✓													IN BOX 218 then 217
8	217	1365	0.450	1250	✓													
9	218	1366	0.441	1000	✓													
10	219	1367	0.512	800	✓													
11	220	1368	0.558	600	✓													
12	221	1369	0.904	400	✓													
13	222	1372	1.281	300	✓													T: S:
14	223	1373	1.349	250	✓													4.12 33.03
15	224	1374	2.221	200	✓													4.64 33.79
16	225	1375	2.568	175	✓													4.68 33.74
17	226	1376	2.955	150	✓													4.94 33.69
18	227	1377	3.824	125	✓													4.95 33.55
19	228	1378	4.816 *	100	✓													4.77 33.30
20	229	1379	6.678	75	✓													5.50 32.70
21	230	1380	6.756 *	50	✓													8.37 32.54
22	231	1381	6.148	25	✓													13.28 32.42
23	232	1382	6.185	10	✓													13.28 32.42
24	233	1383	6.161	4	✓													13.28 32.42

SHIP: JOHN P TULLY
ENTERED BY: MR IST.
CHECKED BY:

Bottom Depth: 4223

Cast # down: 59
Cast # up:

Time	LOC	UTC
Begin:		1337
Bottom:		1444
End:		

START POSITION (GPS)
LAT: 50°00.03
LONG: 144°59.72

BOTTOM POSITION (GPS)
LAT: 50°01.29
LONG: 144°58.86

END POSITION (GPS)
LAT:
LONG:

Comments: # 228 - BUBBLE ON LENS
* oxy a bit high
GREEN RACK
bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2003-27

STATION: P26

CAST NUMBER: 64

UTC DATE (dd/mm/yyyy): 07/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												UPLC Prod
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		POC	BS:	PP	Prod	
							OXY	NH ₄		ALK		CHL						
1	234		8	100	✓ 102			✓					✓	✓	✓	✓	✓	Light level
2	235		7	70	✓			✓					✓	✓	✓	✓	✓	level
3	236		6	45	✓			✓					✓	✓	✓	✓	✓	1%
4	—			45	✓													
5	—			45	✓													
6	237		5	30	✓			✓					✓	✓	✓	✓	✓	3%
7	—			30	✓													
8	—			30	✓													
9	238		4	20	✓			✓					✓	✓	✓	✓	✓	10%
10	—			20	✓													
11	—			20	✓													
12	239		3	10	✓			✓					✓				✓	33%
13	—			10	✓													
14	—			10	✓													
15	240		2	5	✓			✓					✓				✓	55%
16	—			5	✓													
17	—			5	✓													
18	241		1	2	✓			✓					✓				✓	100%
19	—			2	✓													
20	—			2	✓													
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: FW

CHECKED BY:

Bottom Depth: 4195

Cast # down: 64

Cast # up:

Time	LOC	UTC
Begin:		1303
Bottom:		1305
End:		

START POSITION (GPS)

LAT: 49.59.98

LONG: 144.59.85

BOTTOM POSITION (GPS)

LAT: 49.59.96

LONG: 144.59.99

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2003-27 STATION: CS-1 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 08+09/09/2003

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	242	1356	1.249	2000	✓		✓	✓	✓									
2	243	1358	0.580	1500	✓													
3	244	1360	0.405	1250	✓													
4	245	1361	0.431	1250	✓													
5	246	1362	0.323	1000	✓	1001												
6	247	1363	0.466	800	✓													
7	248	1364	0.639	600	✓													
8	249	1365	1.037	400	✓													
9	250	1366	1.628	300	✓													
10	251	1367	2.015	250	✓													
11	252	1368	2.757	200	✓													
12	253	1369	3.198	175	✓													
13	254	1372	4.134	150	✓													
14	255	1373	4.013	125	✓	122												
15	256	1374	5.928	100	✓													
16	257	1461*	6.493*	75	✓	6.297												FLASH 1461 NOT IN FILES
17	258	1376	6.894	50	✓	6.698												CALLED IT 1356
18	259	1377	6.108	10	✓													(NO 25m depth?)
19	260	1378	6.110	4	✓								✓					Labels already made up
20																		
21																		
22													✓					
23																		
24																		

Comments:		SHOULD BE CALLED IN FILES	
* 11 & 12 - NISKIN	MIXED UP IN BOX	# 244	1250 1000
252 & 253 - SAMP #		# 245	1000 800
		# 246	800 600

SHIP: Tully
ENTERED BY: MR 1ST
CHECKED BY:

Bottom Depth: 3113

Cast # down: 65
Cast # up:

Time	LOC	UTC
Begin:		2303
Bottom:		2330
End:		0005

START POSITION (GPS)
LAT: 50°17.93
LONG: 141°48.04

BOTTOM POSITION (GPS)
LAT: 50°18.00
LONG: 141°48.03

END POSITION (GPS)
LAT: 50°17.96
LONG: 141°48.000

ROSETTE LOG

MISSION ID: 2003-27 STATION: R 14 CAST NUMBER: 71 UTC DATE (dd/mm/yyyy): 9/09/03

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	265	1356	1.349	2000	✓	✓		✓										
2	266	1358	0.581	1500	✓													
3	267	1360	0.424	1250	✓													
4	268	1361	0.296	1000	✓													
5	269	1362	0.305	1000	✓													
6	270	1363	0.314	800	✓													
7	271	1364	0.463	600	✓													
8	272	1365	1.019	400	✓													
9	273	1366	1.463	300	✓													
10	274	1367	1.637	250	✓													
11	275	1368	2.098	200	✓													
12	276	1369	2.175	175	✓													
13	277	1371	2.439	150	✓													
14	278	1372	2.447	125	✓													
15	279	1373	4.132	100	✓													
16	280	1374	5.966	75	✓													
17	281	1376	6.982	50	✓													
18	282	1377	6.019	25	✓													
19	283	1378	5.996	10	✓													
20	284	1379	6.039	4	✓	✓		✓					✓					
21																		
22																		
23																		
24																		

Comments: ORANGE CASE

SHIP: TULLY
ENTERED BY: H.M
CHECKED BY: HM / MR

Bottom Depth: 2668

Cast # down: 71
Cast # up: 71

Time	LOC	UTC
Begin:		1757
Bottom:		1827
End:		1908

START POSITION (GPS)
LAT: 51 09.02
LONG: 138 47.49

BOTTOM POSITION (GPS)
LAT: 51 09 007
LONG: 138 47 467

END POSITION (GPS)
LAT: 5109.09
LONG: 138 47.52

ROSETTE LOG

MISSION ID: 2003-27 STATION: NEW 2 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 11/09/2003

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	290	1356	1.304	2000	✓ 1970	1	✓	1										
2	291	1358	0.724	1500	✓													
3	292	1360	0.766	1500	✓													
4	293	1361	0.350	1250	✓													
5	294	1362	0.244	1000	✓													
6	295	1363	0.269	800	✓													
7	296	1364	0.649	600	✓													
8	297	1365	1.190	400	✓													
9	298	1366	1.546	300	✓													
10	299	1367	1.727	250	✓													
11	300	1368	2.116	200	✓													
12	301	1369	2.696	175	✓													
13	302	1371	3.113	150	✓													
14	Do	Not	SAMPLE	0	✓ 150													
15	303	1372	4.117	125	✓													
16	304	1373	4.431	100	✓													
17	305	1374	4.718	75	✓													
18	306	1376	5.212	50	✓													
19	307	1377	5.624 *	25	✓													* BUBBLE ON LENS
20	308	1378	5.880	10	✓													
21	309	1379	5.820	4	✓		✓	✓	✓				✓					
22																		
23																		
24																		

Comments: I noticed bottom closures to bottles 2 + 3 weren't perfect - were both leaking a little bit. (S.T)

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

Bottom Depth: 1987

Cast # down: 75
Cast # up:

Time	LOC	UTC
Begin:		1109
Bottom:		1142
End:		1219

START POSITION (GPS)
LAT: 51°08.52
LONG: 130°45.76

BOTTOM POSITION (GPS)
LAT: 51°08.52
LONG: 130°45.99

END POSITION (GPS)
LAT: 51°08.66
LONG: 130°45.96

ROSETTE LOG

MISSION ID: 2003-27 STATION: SS1 CAST NUMBER: 77 UTC DATE (dd/mm/yyyy): 11/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NH ₄	TCO		C13						
							OXY			ALK		CHL						
1	310	1387	0.620	B-20	✓	1390	✓	✓	✓	✓								Poc + BSi
2	311	1389	0.465	1250	✓				✓									
3	312	1391	0.314	1000	✓				✓									
4	313	1393	0.379	800	✓				✓									
5	314	1394	0.603	600	✓													
6	315	1397	0.844	500	✓													
7	316	1398	1.347	400	✓													
8	317	1399	1.875	300	✓													
9	318	1400	1.900	250	✓													
10	319	1402	1.936	200	✓													
11	320	1403	2.081	175	✓													
12	321	1404	2.974*	150	✓													* SPIKE END
13	322	1406	3.931	125	✓													
14	—	—	—	100	✓													
15	323	1407	3.994	100	✓													
16	324	1410	3.778	100	✓													
17	325	1411	5.125	75	✓													
18	326	1414	5.500	50	✓				✓									
19	327	1417	5.828	25	✓				✓									
20	328	1421	5.782	10	✓				✓									
21	329	1422	5.785	4	✓		✓	✓	✓			✓						
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: DW
CHECKED BY: MR /AM

Bottom Depth: 1395

Cast # down: 77
Cast # up:

Time	LOC	UTC
Begin:		1913
Bottom:		1935
End:		

START POSITION (GPS)
LAT: 51°08'09"
LONG: 129°53'41"

BOTTOM POSITION (GPS)
LAT: 51°08'07"
LONG: 129°53'45"

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-27 STATION: SS3 CAST NUMBER: 83 UTC DATE (dd/mm/yyyy): 12/09/2003

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	331	1462	1.831	Bottom	✓	292	✓	✓	✓									
2	332	1463	1.782	250	✓													
3	333	1464	1.914	200	✓													
4	334	1465	2.438	175	✓													
5	335	1466	2.609	150	✓													
6	336	1467	3.025	125	✓													
7	337	1468	3.882	100	✓													
8	338	1470	4.413	75	✓	73												
9	339	1471	4.844	50	✓													
10	340	1472	5.796	25	✓	23												
11	341	1473	6.260	10	✓													
12	342	1474	6.255	4	✓													
13																		
14	—	—	—	—	—	—												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: RP/ST.
CHECKED BY:

Bottom Depth: 285

Cast # down: 83
Cast # up:

Time	LOC	UTC
Begin:		0053
Bottom:		0102
End:		0116

START POSITION (GPS)
LAT: 51°14.48
LONG: 129°20.90

BOTTOM POSITION (GPS)
LAT: 51°14.50
LONG: 129°20.93

END POSITION (GPS)
LAT: 51°14.50
LONG: 129°20.98

ROSETTE LOG

ORANGE Nutrient RACK

MISSION ID: 2003-27 STATION: SS5 CAST NUMBER: 87 UTC DATE (dd/mm/yyyy): 12/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		POC	12			
							OXY			ALK		CHL		22	BS:			
1	343	1356	1.440	B-5	✓ 195	✓		✓						✓	✓			
2	344	1358	1.372	195	✓													
3	345	1360	1.366	175	✓													
4	346	1361	1.897	150	✓													
5	347	1362	2.367	125	✓													
6	348	1363	2.918	100	✓													
7	349	1364	3.978	75	✓													
8	350	1365	4.628	50	✓													
9	351	1366	5.790	25	✓													
10	352	1367	6.209	10	✓													
11	353	1368	6.332	4	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY: H.M

CHECKED BY:

Bottom Depth: 200

Cast # down: 87

Cast # up:

TimeLOCUTC

Begin:0550

Bottom:0554

End:0608

START POSITION (GPS)

LAT: 51 28 02

LONG: 128 29 90

BOTTOM POSITION (GPS)

LAT: 51 28 01

LONG: 128 29 89

END POSITION (GPS)

LAT: 51 28 03

LONG: 128 29 87

ROSETTE LOG

MISSION ID: 2003-27 STATION: 557 CAST NUMBER: 90 UTC DATE (dd/mm/yyyy): 12/9/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		P06	12			
							OXY				ALK		CHL	22	Bsi			
1	355	1371	2.244	Bot-5	✓	120	✓	✓	✓						✓	✓		
2	356	1372	2.501	100	✓		✓	✓	✓									
3	357	1373	2.799	75	✓		✓	✓	✓									
4	358	1374	3.552	50	✓		✓	✓	✓									
5	359	1376	3.738	50	✓		✓	✓	✓									
6	360	1377	4.238	25	✓		✓	✓	✓									
7	361	1378	4.283	10	✓		✓	✓	✓									
8	362	1379	5.353	4	✓		✓	✓	✓				✓					
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY: MR 137
CHECKED BY:

Bottom Depth: 125

Cast # down: 90
Cast # up:

Time	LOC	UTC
Begin:		1054
Bottom:		1059
End:		1105

START POSITION (GPS)
LAT: 51°24.83
LONG: 127°47.46

BOTTOM POSITION (GPS)
LAT: 51°24.83
LONG: 127°47.45

END POSITION (GPS)
LAT: 51°24.82
LONG: 127°47.46

ROSETTE LOG

MISSION ID: 2003-27 STATION: RI 2 CAST NUMBER: 92 UTC DATE (dd/mm/yyyy): 12/09/2003

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	364	1432	2.217	10-5	✓	330	X	X	X									
2	365	1433	2.193	300	✓													
3	366	1434	2.218	250	✓													
4	367	1435	2.218	175	✓													
5	368	1437	2.230	150	✓													
6	369	1438	2.225	125	✓													
7	370	1439	2.490	125	✓													* oxy high
8	371	1440	2.356	100	✓													
9	372	1441	2.901	75	✓													
10	373	1442	3.223	50	✓													
11	374	1443	3.636	25	✓													
12	375	1444	3.895	10	✓													
13	376	1445	5.243	4								X						
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: RP/ST

CHECKED BY:

Bottom Depth: 335

Cast # down: 92

Cast # up:

Time	LOC	UTC
Begin:		1313
Bottom:		1320
End:		1332

START POSITION (GPS)

LAT: 51°31.24

LONG: 127°33.60.

BOTTOM POSITION (GPS)

LAT: 51°31.6727

LONG: 127°33.60

END POSITION (GPS)

LAT: 51°31.26

LONG: 127°33.59

ROSETTE LOG

MISSION ID: 2003-24

STATION: Ri4

CAST NUMBER: 94

UTC DATE (dd/mm/yyyy): 12/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		pO2				
							OXY			ALK		CHL		BSi				
1	378	1446	2.089	6-5	✓ 290	✓		✓	✓					✓	✓			
2	379	1447	2.461	250	✓													* } high oxy values
3	380	1448	2.335	200	✓													
4	381	1449	2.469	175	✓													
5	382	1450	2.198	150	✓													
6	383	1451	2.106	125	✓													
7	384	1452	2.436	100	✓													
8	385	1453	2.471	100	✓													
9	386	1454	2.966	75	✓													
10	387	1455	3.553	50	✓													
11	388	1456	4.015	25	✓													
12	389	1457	4.071	10	✓													
13	390	1458	4.356	4	✓		✓	✓	✓				✓					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 324

Cast # down: 94

Cast # up:

Time	LOC	UTC
Begin:		1551
Bottom:		1557
End:		1613

START POSITION (GPS)

LAT: 51 38 96

LONG: 127 26 72

BOTTOM POSITION (GPS)

LAT: 51 38 94

LONG: 127 26 67

END POSITION (GPS)

LAT: 51 38 92

LONG: 127 26 72

ROSETTE LOG

MISSION ID: 2003-27 STATION: ED1 CAST NUMBER: UTC DATE (dd/mm/yyyy):

				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	290			27.2															
2				27.1															
3				27.0															
4				26.8															
5				26.7															
6				26.6															
7				26.4															
8				26.2															
9				26.0															
10				25.7															
11				25.4															
12				25.0															
13				25m															
14				10 m															
15				4m															
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: Tully

ENTERED BY: FW

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

ORANGE RACK

MISSION ID: 2003-27 STATION: DC1 CAST NUMBER: 99 UTC DATE (dd/mm/yyyy): 13/09/03

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	393	1387	2.349	B-5	✓ 509	✓	✓	✓										
2	394	1389	2.254	B-20	✓ 490	✓	✓	✓										
3	395	1391	2.401	400	✓	✓	✓	✓										
4	396	1393	2.305	300	✓	✓	✓	✓										
5	397	1394	2.311	250	✓	✓	✓	✓										
6	398	1397	2.442	200	✓	✓	✓	✓										
7	399	1398	2.353	175	✓	✓	✓	✓										
8	400	1399	2.377	150	✓	✓	✓	✓										
9	401	1400	2.397	125	✓	✓	✓	✓										
10	402	1402	2.445	100	✓	✓	✓	✓										
11	403	1403	2.529	75	✓	✓	✓	✓										
12	404	1404	2.840	50	✓	✓	✓	✓										
13	405	1406	3.514	25	✓	✓	✓	✓										
14																		
15	406	1410	4.205	10	✓	✓	✓	✓										
16	407	1411	6.439	4	✓													
17								0										
18								R										
19								A										
20								H										
21								G										
22								G										
23								C										
24								A										

Comments:

SHIP: TULLY
ENTERED BY: H.M
CHECKED BY:

Bottom Depth: 407

Cast # down: 99
Cast # up:

Time	LOC	UTC
Begin:		0522
Bottom:		0530
End:		0533

START POSITION (GPS)
LAT: 52 24 18
LONG: 127 24 16

BOTTOM POSITION (GPS)
LAT: 52 24 23
LONG: 127 24 12

END POSITION (GPS)
LAT: 52 24 25
LONG: 127 24 12

ROSETTE LOG

MISSION ID: 2003-27 STATION: BC 1 CAST NUMBER: 101 UTC DATE (dd/mm/yyyy): 13 / 09 / 2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	409	1432	2.504	Bot - 5	✓ 586	✓	✓	✓										
2	410	1433	2.451	500	✓													
3	411	1434	2.442	400	✓													
4	412	1435	2.357	400	✓													
5	413	1460	2.375	300	✓													
6	414	1438	2.512	250	✓													
7	415	1439	2.538	200	✓													
8	416	1440	2.497	175	✓													
9	417	1441	2.435	150	✓													
10	418	1442	2.403	125	✓													
11	419	1443	2.549	100	✓													
12	420	1444	2.578	75	✓													
13	421	1445	2.800	50	✓													
14				25	✓													
15	422	1446	3.130	25	✓													
16	423	1447	3.956	10	✓													
17	424	1448	5.432	4	✓													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P TULLY
ENTERED BY: MK
CHECKED BY: MK

Bottom Depth: 585'

Cast # down: 101
Cast # up: 101

Time	LOC	UTC
Begin:		0931
Bottom:		0943
End:		1003

START POSITION (GPS)
LAT: 52° 13.39
LONG: 127° 24.97

BOTTOM POSITION (GPS)
LAT: 52° 13.38
LONG: 127° 25.03

END POSITION (GPS)
LAT: 52° 13.25
LONG: 127° 25.12

ROSETTE LOG

MISSION ID: 2003-27 STATION: FH1 CAST NUMBER: 103 UTC DATE (dd/mm/yyyy): 13/09/2003

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	426	1414	2.061	6-5	✓ 212307													strong current here.
2	427	1417	2.047	300 ^{b-20}	✓													
3	428	1421	2.079	250	✓ 251													
4	429	1422	2.358	200	✓													
5	430	1423	2.255	175	✓													
6	431	1424	2.349	150	✓													
7	432	1425	2.368	125	✓													
8	433	1426	2.525	100	✓													
9	434	1427	2.653	75	✓ 76													
10	435	1428	2.753	50	✓													
11	436	1429	2.726	50	✓													
12	437	1430	3.619	25	✓													
13	438	1431	4.223	10	✓													
14				4	✓													
15	439	1407	6.005	4	✓								X					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: J P Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 318

Cast # down: 103
Cast # up:

Time	LOC	UTC
Begin:		1344
Bottom:		1350
End:		1406

START POSITION (GPS)
LAT: 51°51.99
LONG: 127°58.04

BOTTOM POSITION (GPS)
LAT: 51°51.99
LONG: 127°57.97.

END POSITION (GPS)
LAT: 51°51.88
LONG: 127°58.06

ROSETTE LOG

Red Rack

MISSION ID: 2003-27 STATION: FH 3 CAST NUMBER: 105 UTC DATE (dd/mm/yyyy): 13/09/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY		NH4	ALK		CHL						
1	441	1356	2.110	5-5	✓ 310	✓	✓	✓	✓									
2	442	1358	2.029	300	✓				✓									
3	443	1360	2.234	250	✓				✓									
4	444	1361	2.518*	200	✓				✓									* BUBBLE ON LENS
5	445	1362	2.044	175	✓													
6	446	1363	2.469*	175	✓													- high oxy (for a seps) - mixed up? with 175m?? with 150m sample?
7	447	1364	2.019	150	✓													
8	448	1365	2.183	125	✓													
9	449	1366	2.236	100	✓													
10	450	1367	2.798	75	✓													
11	451	1368	3.042	50	✓				✓									
12	452	1369	3.848	25	✓				✓									
13	453	1371	4.408	10	✓				✓									
14																		
15	454	—	*	4		*	*	*	*			*						missed Nisk not tripped
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: H.M.
CHECKED BY:

Bottom Depth: 312

Cast # down: 105
Cast # up:

Time	LOC	UTC
Begin:		1637
Bottom:		1643
End:		1701

START POSITION (GPS)
LAT: 51 38 02
LONG: 127 54 00

BOTTOM POSITION (GPS)
LAT: 51 37 99
LONG: 127 54 01

END POSITION (GPS)
LAT: 51 38 03
LONG: 127 53 98

Comments: FORGOT TO TRIP 15 WHEN TRIPPING 14 ∴ NO 4m SAMPLE

ROSETTE LOG

MISSION ID: 2003-27 STATION: JPI CAST NUMBER: 107 UTC DATE (dd/mm/yyyy): 16/09/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		GH4	ALK		CHL						
1	455	1356	1.376	B-2	250	✓	✓	✓	✓									Alt, 1m 8/B
2	6	1358	1.372	B-4	248				✓									4m
3	7	1360	1.384	B-6	246				✓									7m
4	8	1361	1.348	B-10	236?	240			2									10
5	9	1362	1.354	B-15	236				✓									15
6	60	1363	1.364	225	✓				✓									
7	1	1365	1.418	200	✓				✓									
8	2	1365	1.750	175	✓													
9	3	1366	1.997	150	✓													
10	4	1367	2.348	125	✓													
11	5	1368	3.078	100	✓				✓									
12	6	1369	3.464	75	✓													
13	7	1371	3.770	50	✓				✓									(blow bubbles out of oxy tubes. sr)
14	8	1386	3.772	50	✓													
15	9	1373	4.467	30	✓													
16	70	1374	5.264	20	✓				✓									
17	1	1376	6.003	10	✓				✓									
18	472	1371	6.147	4	✓				✓			✓						
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: H.M
CHECKED BY:

Bottom Depth: 252

Cast # down: 107
Cast # up:

Time	LOC	UTC
Begin:		1516
Bottom:		
End:		

START POSITION (GPS)
LAT: 52.33.96
LONG: 130.12.59

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Oxygen analysis by S.T.

ROSETTE LOG

MISSION ID: 2003-27 STATION: JP3 CAST NUMBER: 111 UTC DATE (dd/mm/yyyy): 16/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		CH ₄		ALK		CHL					
1	474	1356	2.436	B-2	135				✓									
2	475	1358	2.525	B-4	132				✓									
3	476	1360	2.465	B-6	130													
4	477	1361	2.437	B-10	126													
5	478	1362	2.647	B-15	120													
6	479	1363	2.891	100	99													
7	480	1364	3.060	75	75													
8	481	1365	3.798	50	49													
9	482	1366	4.980	30	29													
10	483	1367	5.480	20	19													
11	484	1368	6.212	10	9													
12	485	1369	6.198	4	3				✓				✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Nutrient rack is GREEN

SHIP:

ENTERED BY: DT

CHECKED BY:

Bottom Depth: 135

Cast # down: 111

Cast # up: 111

Time LOC UTC

Begin: 0040

Bottom: 0043

End: 0057

START POSITION (GPS)

LAT: 52 36 835

LONG: 130 41 082

BOTTOM POSITION (GPS)

LAT: 52 36 792

LONG: 130 41 065

END POSITION (GPS)

LAT: 52 36 737

LONG: 130 41 053

ROSETTE LOG

BLUE RACK

MISSION ID: 2003-27 STATION: JF5 CAST NUMBER: 118 UTC DATE (dd/mm/yyyy): 17/09/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		CH4		ALK		CHL					
1	487	1356	2.880	B-2	155	✓	✓	✓	✓									
2	488	1358	2.820	B-4	153	✓	✓	✓	✓									
3	489	1360	2.890	B-6	151	✓	✓	✓	✓									
4	490	1361	2.831	B-10	147	✓	✓	✓	✓									
5	491	1362	2.874	B-15	142	✓	✓	✓	✓									
6	492	1363	3.124	125	125	✓	✓	✓	✓									
7	493	1364	3.329	100	100	✓	✓	✓	✓									
8	494	1365	3.690	75	75	✓	✓	✓	✓									
9	495	1366	4.225	50	49	✓	✓	✓	✓									
10	496	1367	5.048	30	30	✓	✓	✓	✓									
11	497	1368	5.195	20	20	✓	✓	✓	✓									
12	498	1369	6.170	10	10	✓	✓	✓	✓									
13	499	1371	6.325	4	4	✓	✓	✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 118

Cast # up:

Time

LOC

UTC

Begin: 0716

Bottom: 0720

End: 0738

START POSITION (GPS)

LAT: 52 31 688

LONG: 131 12 371

BOTTOM POSITION (GPS)

LAT: 52 31 666

LONG: 131 12 378

END POSITION (GPS)

LAT: 52 31 662

LONG: 131 12 397

Comments: 13 bottles fired - 14 bottles tripped, 14 latch hooks released

ROSETTE LOG

MISSION ID: 2003-27 STATION: JPB CAST NUMBER: 125 UTC DATE (dd/mm/yyyy): 17/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		Teo		C13				
							OXY		CH4	NH4	ALK		CHL			
1	502	1386	2.724	B-2	✓ B-2.3 331.4	✓	✓	✓	✓	✓						
2	503	1373	2.854	B-4	✓ 329.1	✓	✓	✓	✓	✓						(may have been some
3	504	1374	2.677	B-6	✓ 327.0	✓	✓	✓	✓	✓						air in the sulfuric acid
4	505	1376	2.686	B-10	✓ 323.1	✓	✓	✓	✓	✓						dispenser) S.T.
5	506	1377	2.697	B-15	✓ 318.2	✓	✓	✓	✓	✓						see over →
6	507	1378	2.882	300	✓ 300.1	✓	✓	✓	✓	✓						- oz a little high
7	508	1379	2.690	200	✓ 200.1	✓	✓	✓	✓	✓						(no 250m or 175m
8	509	1380	2.708	150	✓ 150.1	✓	✓	✓	✓	✓						samples?)
9	510	1381	2.900	125	✓ 125.1	✓	✓	✓	✓	✓						
10	511	1382	3.366	100	✓ 100.1	✓	✓	✓	✓	✓						- chemical residue on
11	512	1383	3.920	75	✓ 74.9	✓	✓	✓	✓	✓						flask neck - being
12	513	1384	4.302	50	✓ 50.2	✓	✓	✓	✓	✓						pickled properly?
13	514	1385	4.716	30	✓ 29.8	✓	✓	✓	✓	✓						
14					✓	✓	✓	✓	✓	✓						
15	515	1482	4.835	20	✓ 20.1	✓	✓	✓	✓	✓						
16	516	1481	5.245	10	✓ 10.3	✓	✓	✓	✓	✓						
17	517	1461	6.382	4		✓	✓	✓	✓	✓						
18																
19																
20																
21																
22																
23																
24																

Comments: Found labelled oxygen bottle in box that wasn't filled. It was for sample #257 (CS1, OXY, 2003-27, NISK 16). I took the label off and used the bottle. Used Orange Rack for Nutrients

NISK 16
2003-27
OXY
CS1
1257

SHIP: Tully
ENTERED BY: R.P.
CHECKED BY:

Bottom Depth: 333.7

Cast # down: 125
Cast # up:

Time	LOC	UTC
Begin:		12:28
Bottom:		12:35
End:		

START POSITION (GPS)
LAT: 52 33.24
LONG: 131 29.83

BOTTOM POSITION (GPS)
LAT: 52 33.21
LONG: 131 29.88

END POSITION (GPS)
LAT:
LONG:

ignore, label just not removed after analysis.
bgm 2001 rosette.xls

Nuts - Yellow RACK

Comments:

END POSITION (GPS)			
LAT:	52	22	01
LONG:	128	32	99

ROSETTE LOG

MISSION ID: 2003-27 STATION: CC CAST NUMBER: 150 UTC DATE (dd/mm/yyyy): 19/09/2003

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	537	1356	2.119	B-5	✓ 120	✓	✓	✓										
2	538	1358	2.201	B-10	✓ 115	✓	✓	✓										
3	539	B60	2.234	100	✓ 99.4	✓	✓	✓										
4	540	1361	3.039	75	✓ 75.9	✓	✓	✓										
5	541	1362	4.028	50	✓ 49.0	✓	✓	✓										
6	542	1363	4.444	30	✓ 31.2	✓	✓	✓										
7	543	1364	4.795	20	✓ 20.4	✓	✓	✓										
8	544	1365	5.513	10	✓ 10.3	✓	✓	✓										
9	545	1366	5.514	10	✓ 10.3	✓	✓	✓										
10	546	1367	5.813	4	✓ 4.1	✓	✓	✓				✓						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: R.P.

CHECKED BY:

Bottom Depth: 125

Cast # down: 150

Cast # up: 150

Time	LOC	UTC
Begin:		12:42
Bottom:		12:47
End:		12:59

START POSITION (GPS)

LAT: 51 24.903

LONG: 127 47.298

BOTTOM POSITION (GPS)

LAT: 51 24.907

LONG: 127 47.311

END POSITION (GPS)

LAT: 51 24.907

LONG: 127 47.309

ROSETTE LOG

MISSION ID: 2003-27 STATION: TC CAST NUMBER: 152 UTC DATE (dd/mm/yyyy): 19/09/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH ₄	ALK		CHL						
1	547	1356	2.762	8-5	✓ 245.7	✓	✓	✓	✓									
2	548	1358	2.744	13-10	✓ 240				✓									
3	549	1360	2.714	200	✓ 149.6				✓									
4	550	1361	2.689	175	✓ 174.7													
5	551	1362	2.699	150	✓ 149.9													
6	552	1363	2.756	150	✓ 150.0													
7	553	1364	2.708	125	✓ 125.1													
8	554	1365	2.788	100	✓ 99.8													
9	555	1366	3.102	75	✓ 75.2													
10	556	1367	3.437	50	✓ 50.4													✓
11	557	1368	3.592	30	✓ 30.4													✓
12	558	1369	3.592	20	✓ 20.0													✓
13	559	1371	4.169	10	✓ 9.6													✓
14	560			4		✓	✓	✓	✓									✓
15	560	1386	4.829	41		✓	✓	✓	✓									✓
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: R.P

CHECKED BY:

Bottom Depth: 244

Cast # down: 152

Cast # up: 152

Time

LOC

UTC

Begin: 2258

Bottom: 2302

End: 2319

START POSITION (GPS)

LAT: 50 49.216

LONG: 126 23.567

BOTTOM POSITION (GPS)

LAT: 50 49.217

LONG: 126 23.438

END POSITION (GPS)

LAT: 50 49.282

LONG: 126 23.240

ROSETTE LOG

MISSION ID: STATION: CAST NUMBER: 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						
							OXY				ALK		CHL					
1																		
2																		
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: