

ROSETTE LOG

IOS CAST

MISSION ID: 2007-01 STATION: SIO3 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 08/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3				
							OXY			ALK		CHL				
1	1	1433	0.000	Bot-10	- 215	1	1	1								slight ^{H₂SO₄} smell - anoxic
2	2	1428	0.310	200	- 200											poorly defined endpoint
3	3	1356	0.069	175	- 175											
4	4	1425	0.091	150	- 150											
5	5	1404	0.124	125	- 125											
6	6	1366	0.895	100	- 100											
7	7	1426	4.637	75	- 75											
8	8	1427	4.748	50	- 50			✓								
9	9	1429	5.258	25	- 23											
10	10	1354	5.441	10	- 10											
11	11	1353	5.641	5	- 5											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 226

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:		18 28
Bottom:		18 34
End:		18.48

START POSITION (GPS)
LAT: 48 35 61
LONG: 123 29 96

BOTTOM POSITION (GPS)
LAT: 48 35 61
LONG: 123 29 96

END POSITION (GPS)
LAT: 48 35 62
LONG: 123 30 12

Comments: OXY: RED Box; NUTRIENTS: BLUE PACK
Black

ROSETTE LOG

UBC CAST

MISSION ID: 2007-01 STATION: SIO3 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 08/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
						OXY				ALK		CHL						
1	12			200	/			✓										
2	13			200	/													
3	14			200	/													
4	15			185	/			✓										
5	16			165	/			✓										
6	17			150	/			✓										
7	18			150	/													
8	19			135	/			✓										
9	20			120	/			✓										
10	21			120	/													
11	22			120	/													
12	23			110	/			✓										
13	24			100	/			✓										
14	25			100	/													
15	26			100	/													
16	27			97	/			✓										
17	28			90	/			✓										
18	29			85	/			✓										
19	30			75	/			✓										
20	31			60	/			✓										
21	32			40	/			✓										
22	33			20	/			✓										
23	34			10	/			✓										
24	35			10	/													

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down: 2
Cast # up: 2

Time	LOC	UTC
Begin:		1933
Bottom:		1937
End:		1956

START POSITION (GPS)
LAT: 48 35.61
LONG: 123 30.03

BOTTOM POSITION (GPS)
LAT: 48 35 62
LONG: 123 30 02

END POSITION (GPS)
LAT: 48 35 57
LONG: 123 30 00

Comments:

ROSETTE LOG

MISSION ID: 2007-01 STATION: P2 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 09/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	37	1225	3.132	Bot-10	-	107	✓	/	/									
2	38	1231	2.888	100	-	100	✓	/	/									
3	39	1235	4.674	75	-	75	✓	/	/									
4	40	1237	4.525	75	✓	74	✓	/	/									
5	41	1280	4.821	50	✓	50	✓	/	/									
6	42	1258	6.341	25	✓	25	✓	/	/	✓								
7	43	1260	6.428	10	-	10	✓	/	/									
8	44	1270	6.207	5			✓	/	/									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 117

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:		1244
Bottom:		1249
End:		1257

START POSITION (GPS)
LAT: 48 36 03
LONG: 126 00 38

BOTTOM POSITION (GPS)
LAT: 48 36 03
LONG: 126 00 05

END POSITION (GPS)
LAT: 48 36 01
LONG: 126 00 01

Comments: NUTRIENTS: GREEN RACK
OXYGEN: BLUE BOX

ROSETTE LOG

DEEP CAST

MISSION ID: 2007-01 STATION: P4 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 9/2/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		pH					
1	46	1433	0.503	Bot-10	✓	1320	✓	✓	✓	✓				✓					
2	47	1428	0.391	1250	✓		✓	✓	✓	✓				✓					
3	48			1000	✓														
4	49	1425	0.221	1000	✓					✓	✓								
5	50	1404	0.251	1000	✓									✓					
6	51	1366	0.252	800	✓														
7	52	1426	0.558	600	✓														
8	53	1427	1.063	400	✓			✓											
9	54	1429	1.666	300	✓														
10	55	1354	1.487	250	✓														
11	56	1353	2.003	200	✓														
12	57	1360	2.212	175	✓														
13	58	1347	2.223	150	✓														
14	59	1403	3.227	125	✓														
15	60	1430	4.242	100	✓														
16	61	1431	6.444	75	✓														
17	62	1432	6.653	50	✓														
18	63	1310	6.595	25	✓														
19	64	1212	6.573	10	✓														
20	65	1216	6.566	5	✓		✓	✓	✓	✓				✓					
21																			
22	9778	1228	6.579																
23	9780	1313	6.571																
24																			

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

Bottom Depth: 1320

Cast # down: 7
Cast # up:

Time	LOC	UTC
Begin:	0848	1648
Bottom:	0908	1708
End:	0943	1743

START POSITION (GPS)
LAT: 48 39 03
LONG: 126 40 03

BOTTOM POSITION (GPS)
LAT: 48 39 01
LONG: 126 40 01

END POSITION (GPS)
LAT: 48 39 01
LONG: 126 40 09

Comments: NUTS: BROWN RACK
OXYGEN: BLACK BOX

ROSETTE LOG

MISSION ID: 2007-01 STATION: P4 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 9/2/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		HPC				
						OXY			DMS	ALK		CHL		ONAR				
1	66			200	✓			✓	✓									
2	67			175	✓									✓				
3	68			100	✓								✓	✓				
4	69			75	✓									✓✓				
5	70			50	✓									✓				
6	71			40	✓									✓				
7	72			30	✓			✓										
8	73			25	✓									✓✓				
9	74			20	✓													
10	75			15	✓													
11	76			10	✓									✓✓				
12	77			5	✓				✓					✓✓				
13	78			5	✓		✓✓								✓✓			
14	79			0	✓			✓	✓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 1320

Cast # down: 9
Cast # up: 9

Time	LOC	UTC
Begin:	1048	1848
Bottom:	1053	1853
End:	1108	1908

START POSITION (GPS)
LAT: 48°39.01
LONG: 126°40.00

BOTTOM POSITION (GPS)
LAT: 48°39.01
LONG: 126°40.02

END POSITION (GPS)
LAT: 48°39.02
LONG: 126°40.00

Comments: OXYGEN: TWO LABELLED BOTTLES BACK ROW OF BLACK BOX
NUTS: YELLOW RACK

ROSETTE LOG

MISSION ID: 2007-01 STATION: P8 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 10/02/2007

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	83	1225	1.449	2000	✓ 2004	✓		✓								
2	84	1231	0.677	1500	✓ 1503	✓		✓								
3	85	1235	0.375	1250	✓ 1250	✓		✓								
4	86	1237	0.284	1000	✓ 1000	✓		✓								
5	87	1280	0.333	800	✓ 800	✓		✓								
6	88	1258	0.660	600	✓ 603	✓		✓								
7	89	1260	0.643	600	✓ 600	✓		✓								
8	90	1270	1.419	400	✓ 460	✓		✓								
9	91	1383	1.721	300	✓ 300	✓		✓								
10	92	1337	1.739	250	✓ 248	✓		✓								
11	93	1333	1.623	200	✓ 200	✓		✓								
12	94	1331	1.634	175	✓ 176	✓		✓								
13	95	1398	1.598	150	✓ 148	✓		✓								
14	96	1206	1.617	125	✓ 125	✓		✓								
15	97	1195	1.966	100	✓ 100	✓		✓				✓				
16	98	1192	5.590	75	✓ 75	✓		✓				✓				
17	99	1136	6.843	50	✓ 50	✓		✓				✓				
18	100	1135	7.088	25	✓ 25	✓		✓				✓				
19	101	1442	6.856	10	✓ 8	✓		✓				✓				
20	102	1449	6.887	5	✓ 5	✓		✓				✓				
21																
22																
23																
24																

SHIP: J.P. TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 2516

Cast # down: 19

Cast # up: 19

Time	LOC	UTC
Begin:		1013
Bottom:		1039
End:		1121

START POSITION (GPS)

LAT: 48 48 99

LONG: 128 40 01

BOTTOM POSITION (GPS)

LAT: 48 49 01

LONG: 128 39 99

END POSITION (GPS)

LAT: 48 48 99

LONG: 128 40 00

Comments: NUTRIENTS: BLUE RACK

OXYGEN: BLUE BOX

ROSETTE LOG

SHALLOW DMS CAST

MISSION ID: 2007-01 STATION: P12 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 10/2/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		MP					
							OXY		DMS		ALK		CHL						
1	106			200	✓			✓	✓										
2	107			175	✓									✓					
3	108			100	✓								✓	✓					
4	109			75	✓									✓✓					
5	110			50	✓									✓					
6	111			40	✓			✓						✓					
7	112			30	/														
8	113			25	✓									✓✓					
9	114			20	✓														
10	115			15	/														
11	116			10	✓									✓✓					
12	117			5	✓									✓					
13	118			0	✓														
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 3227

Cast # down: 25
Cast # up: 25

Time	LOC	UTC
Begin:	1525	2323
Bottom:	1528	2328
End:	1542	2342

START POSITION (GPS)
LAT: 48 58 23
LONG: 130 40 01

BOTTOM POSITION (GPS)
LAT: 48 58 28
LONG: 130 40.06

END POSITION (GPS)
LAT: 48 58 28
LONG: 130 40.10

Comments: NUTRIENTS: LIGHT BLUE RACK

ROSETTE LOG

DEEP CAST

MISSION ID: 2007-01 STATION: P12 CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 11/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		PH				
										ALK	ALK		CHL		DNM			
1	119	1406	2.448	Bot-10	✓ 3275	✓	✓	✓		✓								
2	120	1256	2.371	3000	✓ 3001													
3	121	1267	1.884	2500	✓ 2498			✓										
4	122	1268	1.316	2000	✓ 1998									✓				
5	123	1272	0.629	1500	✓ 1500									✓				Fask top loose
6	124	1273	0.442	{1250	✓													
7	125	1274	0.371	{1250	✓					✓								
8	126	1276	0.281	1000	✓													
9	127	1278	0.378	800	✓													
10	128	1300	0.691	600	✓													
11	129	1321	1.878	400	✓													
12	130	1305	2.761	300	✓													
13	131	1301	3.619	250	✓													
14	132	1306	3.694	200	✓									↓				
15	133	1307	3.814	175	✓									↑				
16	134	1311	4.746	150	✓													
17	135	1443	6.300	125	✓													
18	136	1309	6.737	100	✓													
19	137	1314	6.708	75	✓													
20	138	1315	6.743	50	✓													bubble
21	139	1146	6.857	25	✓													
22	140	1318	6.722	10	✓													
23	141	1319	6.705	5	✓			✓		✓				✓				
24	142	1400	6.828	5	✓	✓	6.949	✓							✓			142a - 6.828

Comments: NUTRIENTS: RED RACK 1302 / 1426 / 6.949
OXYGEN: GREEN BOX
7 EXTRA SALINITIES BOT 2 #120 FOR PORTASAL CALIBRATION

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA / MR

Bottom Depth: 3275

Cast # down: 30
Cast # up: 30

Time	LOC	UTC
Begin:	1834	0234
Bottom:	1916	0316
End:	2023	0423

START POSITION (GPS)
LAT: 48 58 25
LONG: 130 40 05

BOTTOM POSITION (GPS)
LAT: 48 58 22
LONG: 130 40 02

END POSITION (GPS)
LAT: 48 58.24
LONG: 130 39.92

ROSETTE LOG

DMS CAST

MISSION ID: 2007-01 STATION: P16 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 11/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	DM	TCO	ALK	C13	CHL	HPCL	DMR			
1	146			200	- 198			✓	✓									
2	147			175	- 174									✓				
3	148			100	- 100									✓				
4	149			75	- 75			✓						✓✓				
5	150			50	- 50									✓				
6	151			40	- 39									✓				
7	152			30	- 30													
8	153			25	- 25									✓✓				
9	154			20	- 20													
10	155			15	- 15													
11	156			10	- 9									✓✓				
12	157			5	- 5			✓	✓					✓✓			7.122 158a	
13	158	1394a	1461b	5	- 5	✓	ab		✓						✓✓		6.956 158b	
14	159			0				✓	✓				✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS: WHITE RACK
OXYGEN: 2 LABELLED SAMPLES IN Red Box

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

Bottom Depth: 3618

Cast # down: 36
Cast # up: 36

Time	LOC	UTC
Begin:		2352
Bottom:		2356
End:		0110

START POSITION (GPS)
LAT: 49 16.99
LONG: 134 39.99

BOTTOM POSITION (GPS)
LAT: 49 16.99
LONG: 134 40.01

END POSITION (GPS)
LAT: 49 17 06
LONG: 134 39.98

ROSETTE LOG

DEEP CAST

MISSION ID: 2007-01 STATION: P16 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 12/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH				
							OXY			ALK		CHL						
1	160	1158	2.962	3510	✓	3684	✓	✓	✓	✓								PP
2	161	1175		3500	✓	3502												Program problem, sample data lost
3	162	1317	2.437	3000	✓	3002												
4	163	1322	2.448	3000	✓	3001				✓								
5	164	1326	2.767	2500	✓	2501												
6	165	1351	1.311	2000	✓									✓				
7	166	1358	0.519	1500	✓									✓				
8	167	1361	0.323	1250	✓									✓				
9	168	1362	0.291	1000	✓									✓				
10	169	1364	0.346	800	✓									✓				
11	170	1367	0.519	600	✓									✓				
12	171	1363	1.069	400	✓			✓						✓				
13	172	1368	1.803	300	✓									✓				
14	173	1371	2.611	250	✓									✓				
15	174	1373	3.504	200	✓									✓				
16	175	1374	3.882	175	✓													
17	176	1375	1.811	150	✓									✓				
18	177	1376	4.512	125	✓									✓				
19	178	1380	5.817	100	✓									✓				
20	179	1381	6.781	75	✓									✓				
21	180	1382	6.724	50	✓									✓				
22	181	1389	6.944	25	✓									✓				
23	182	1391	5.844	10	✓									✓				
24	183	1397	6.964	5	✓			✓	✓	✓	✓			✓				

Comments: NUTRIENTS: ORANGE RACK
OXYGENS: RED BOXSHIP: J P TULLY
ENTERED BY: MR
CHECKED BY: DA / MR

Bottom Depth: 3620

Cast # down: 41
Cast # up: 41

Time	LOC	UTC
Begin:	1826	0226
Bottom:	1921	0321
End:	2033	0433

START POSITION (GPS)
LAT: 49 16 99
LONG: 134 39 99BOTTOM POSITION (GPS)
LAT: 49 17 05
LONG: 134 40 12END POSITION (GPS)
LAT: 49 17 00
LONG: 134 39 99

ROSETTE LOG

DMS CAST

MISSION ID: 2007-01 STATION: P20 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 13/07/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		APLC				
							OXY		DMS	ALK		CHL		DNAM				
1	187			200	✓ 202				✓									
2	188			175	✓ 176									✓				
3	189			100	✓ 100									✓				
4	190			75	✓ 76									✓✓				
5	191			50	✓ 50			✓						✓				
6	192			40	✓ 40									✓				
7	193			30	✓ 30													
8	194			25	✓ 25									✓✓				
9	195			20	✓ 20													
10	196			15	✓ 15													
11	197			10	✓ 10									✓✓				
12	198			5										✓✓				199a- 5.728
13	199	1460a	1329b	5		✓	20							✓✓				199b- 4.497
14	200		1462c	0				✓	✓									199c- Loop- 6.975
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: MK
CHECKED BY: DA

Bottom Depth: 3696

Cast # down: 46
Cast # up: 46

Time	LOC	UTC
Begin:		0040
Bottom:		0044
End:		0057

START POSITION (GPS)
LAT: 49 34 14
LONG: 138 40 38

BOTTOM POSITION (GPS)
LAT: 49 34 15
LONG: 138 40 11

END POSITION (GPS)
LAT: 49 34 13
LONG: 138 40 08

Comments: NUTRIENTS: GREEN RACK.
2 OXYGEN SAMPLES LABELLED AT BACK OF BLUE BOX FROM NISK 13+
1 OXY 199C FROM LOOP

ROSETTE LOG

DEEP CAST

MISSION ID: 2007-01 STATION: P20 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 13/02/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH				
						OXY				ALK		CHL						
1	201	1225	3.139	10	✓ 4020	✓	✓	✓		✓								
2	202	1231	2.878	3500	✓													
3	203	1235	2.526	3000	✓					✓								
4	204	1237	2.524	3000	✓													
5	205	1280	1.974	2500	✓													
6	206	1258	1.290	2000	✓									✓				
7	207	1260	0.604	1500	✓													
8	208	1270	0.366	1250	✓													
9	209	1383	0.304	1000	✓			✓										
10	210	1337	0.330	800	✓													
11	211	1333	0.541	600	✓													
12	212	1331	1.266	400	✓													
13	213	1398	1.705	300	✓													
14	214	1206	2.450	250	✓													
15	215	1195	3.433	200	✓									✓				
16	216	1192	4.014	175	✓													
17	217	1136	4.576	150	✓									✓				
18	218	1135	5.426	125	✓													
19	219	1442	6.919	100	✓													
20	220	1449	6.939	75	✓													
21	221	1438	6.985	50	✓													
22	222	1439	6.979	25	✓													
23	223	1440	6.977	10	✓													
24	224	1421	6.950	5	✓			✓		✓				✓				

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

Bottom Depth: 3945

Cast # down: 51
Cast # up: 51

Time	LOC	UTC
Begin:	0801	1601
Bottom:	0854	1654
End:	1001	1801

START POSITION (GPS)
LAT: 49 33.99
LONG: 138 40.06

BOTTOM POSITION (GPS)
LAT: 49 33.98
LONG: 138 40 01

END POSITION (GPS)
LAT: 49 33.94
LONG: 138 40.00

Comments: NUTRIENTS: YELLOW RACK
OXYGEN: BLUE BOX

ROSETTE LOG

ONAR CAST

MISSION ID: 2007-01 STATION: P26 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 15/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ONAR				
						OXY				ALK		CHL						
1	226a	1433	3.266	4000	✓ 4000	✓	✓							✓				226/1428: 3.083
2	227a	1356	1.592	3000	✓ 3000	✓	✓							✓				227/1425: 2.478
3	228a	1404	6.185	1000	✓ 1000	✓	✓							✓				228/1366: 0.373
4	229			600	✓ 600													For Janet
5	230a	1426	1.528	300	✓ 300	✓	✓							✓				230/1427: 1.552
6	231a	1429	2.288	250	✓ 250	✓	✓							✓				231/1354: 2.294
7	232			5														For Janet
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 4125

Cast # down: 66

Cast # up: 66

Time	LOC	UTC
Begin:		1320
Bottom:		1358
End:		1449

START POSITION (GPS)

LAT: 50 00 06

LONG: 144 59 98

BOTTOM POSITION (GPS)

LAT: 49 59 98

LONG: 144 59 99

END POSITION (GPS)

LAT: 50 00 07

LONG: 144 59 98

Comments: OXY SAMPLES LABELLED IN BLACK OXY BOX.

ROSETTE LOG

DMS-SUNRISE

MISSION ID: 2007-01 STATION: P26 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 15/02/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPK				
						OXY		DMS		ALK		CHL						
1	233			200	✓			✓	✓									
2	234			175	✓			✓	✓					✓				
3	235			100	✓			✓	✓					✓	✓			
4	236			75	✓			✓	✓					✓	✓			
5	237			50	✓			✓	✓					✓				
6	238			40	✓			✓	✓					✓				
7	239			30	✓			✓	✓					✓				
8	240			25	✓			✓	✓					✓				
9	241			20	✓			✓	✓					✓				
10	242			15	✓			✓	✓					✓				
11	243			10	✓			✓	✓					✓	✓			
12	244			5	✓			✓	✓					✓	✓			
13	245			0	✓			✓	✓					✓				
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4221

Cast # down: 67
Cast # up:

Time	LOC	UTC
Begin:	0848	1648
Bottom:	0854	1654
End:	0911	1711

START POSITION (GPS)
LAT: 49.59.96
LONG: 145.00.01

BOTTOM POSITION (GPS)
LAT: 49.59.96
LONG: 144.59.99

END POSITION (GPS)
LAT: 49.59.93
LONG: 144.59.95

Comments: NUTRIENTS: BLUE RACK

ROSETTE LOG

DEEP CAST

MISSION ID: 2007-01 STATION: P26 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 15/2/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		pH				
1	246	1406	3.414	Bot-20	✓ 4305	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	247	1256	3.214	4000	✓													
3	248	1267	2.921	3500	✓													
4	249	1268	2.1194	3000	✓													
5	250	1272	1.966	2500	✓					✓								
6	251	1273	1.268	2000	✓							✓						
7	252	1274	0.552	1500	✓													
8	253	1276	0.380	1250	✓													
9	254	1278	0.347	1000	✓													
10	255	1360	0.362	800	✓													
11	256	1321	0.559	600	✓													
12	257	1305	0.832	400	✓													
13	258	1301	1.339	300	✓													
14	259	1306	2.085	250	✓													
15	260	1307	3.015	200	✓													
16	261	1311	3.677	175	✓			✓										
17	262	1443	3.658	150	✓													
18	263	1309	3.343	125	✓													
19	264	1314	7.025	100	✓													
20	265	1315	7.037	75	✓													
21	266	1146	7.045	50	✓													
22	267	1318	7.257	25	✓													
23	268	1319	7.138	10	✓													
24	269	1400	7.061	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SHIP: J.P. TULLY
ENTERED BY: MK
CHECKED BY: MK

Bottom Depth: 4221

Cast # down: 68
Cast # up:

Time	LOC	UTC
Begin:	0954	1754
Bottom:	1050	1850
End:	1200	2000

START POSITION (GPS)
LAT: 49.59.97
LONG: 144.59.96

BOTTOM POSITION (GPS)
LAT: 49.59.98
LONG: 145.00.00

END POSITION (GPS)
LAT: 49.59.98
LONG: 145.00.15

Comments: NUTS: LIGHT BLUE RACK
OXYGEN: GREEN BOX

ROSETTE LOG

DMS - NOON

MISSION ID: 2007-01 STATION: P26 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): 15/02/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		HPU				
							OXY		DMS		ALK		CHL		ONAR			
1	270a	1353	2.826	200	✓	✓	✓								✓			270b/1360: 2.815
2	271			200	✓					✓								
3	272			175	✓					✓				✓				
4	273b	1347	3.177	125	✓	✓	✓								✓			273b/1403: 2.611
5	274			100	✓					✓			✓	✓				
6	275a	1430	7.065	75	✓	✓	✓								✓			275b/1431: 7.052
7	276			75	✓					✓			✓	✓				
8	277			50	✓					✓			✓	✓				
9	278			40	✓					✓			✓	✓				
10	279a	1432	7.065	30	✓	✓	✓								✓			279b/1310: 7.057
11	280			30	✓					✓			✓					
12	281			25	✓			✓	✓				✓	✓				
13	282			20	✓					✓			✓					
14	283			15	✓					✓			✓					
15	284			10	✓					✓			✓	✓				
16	285			5	✓					✓			✓	✓				
17	286a	1212	7.063	5	✓	✓	✓								✓			286b/1216: 7.050
18	287			0	✓			✓	✓				✓					
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4221

Cast # down: 69
Cast # up:

Time	LOC	UTC
Begin:	1414	2214
Bottom:	1419	2219
End:	1433	2233

START POSITION (GPS)
LAT: 50 00.01
LONG: 145 00.02

BOTTOM POSITION (GPS)
LAT: 50 00.02
LONG: 145 00.13

END POSITION (GPS)
LAT: 50 00.10
LONG: 145 00.51

Comments: NUTS: BROWN CAST note: (b) series labelled with extra "0" in file.
286C - oxygen from loop
1223 : 7.122

ROSETTE LOG

DMS: SUNSET

MISSION ID: 2007-01 STATION: P26 CAST NUMBER: 72 UTC DATE (dd/mm/yyyy): 16/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPK				
							OXY		DMS		ALK		CHL					
1	288			200	- 202			✓	✓									
2	289			175	- 173									✓				
3	290			100	- 101									✓				
4	291			75	- 75									✓✓				
5	292			50	- 50									✓				
6	293			40	- 40									✓				
7	294			30	- 30													
8	295			25	- 26									✓✓				
9	296			20	- 19													
10	297			15	- 15			✓										
11	298			10	- 10									✓✓				
12	299			5	- 4									✓✓				
13	300			0	- 2			✓	✓					✓				
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS: RED RACK

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 422.1

Cast # down: 72

Cast # up: 72

Time	LOC	UTC
Begin:		0302
Bottom:		0306
End:		0317

START POSITION (GPS)

LAT: 49 59.99

LONG: 144 59.94

BOTTOM POSITION (GPS)

LAT: 49 59.98

LONG: 144 59.95

END POSITION (GPS)

LAT: 49 59.95

LONG: 144 59.95

ROSETTE LOG

MISSION ID: 2007-01 STATION: Eddy CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): 16/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ONAL				
						OXY				ALK		CHL						
1	302	1225	1.394	2000	✓ 2003	✓	✓	✓										
2	303	1231	1.942	1500	✓ 1500	✓												Sample not filled top / Cap loose
3	304	1235	0.425	1250	✓ 1250	✓												
4	305	1237	0.346	1000	✓ 1000													
5	306	1280	0.475	800	✓ 800													
6	307	1258	0.515	600	✓ 598													
7	308	1260	0.842	400	✓ 398			✓										
8	309	1270	1.431	300	✓ 297													
9	310	1383	2.215	250	✓ 252													
10	311	1337	3.049	200	✓ 200													
11	312	1333	3.746	175	✓ 174													
12	313	1331	4.552	150	✓ 150													
13	314	1339	4.725	125	✓ 123													
14	315	1206	6.878	100	✓ 100							✓						
15	316	1195	7.106	75	✓ 75													
16	317	1192	7.138	50	✓ 50													
17	318	1136	7.147	25	✓ 25	✓												
18	319	1135	7.130	10	✓ 10	✓												
19	320	1442	7.117	5		✓	✓	✓										
20	321	1449	7.123	5		✓	✓	✓				✓	✓					Verit apart, Xtra sample
21																		
22																		
23																		
24																		

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

Bottom Depth: 3626

Cast # down: 79
Cast # up: 79

Time	LOC	UTC
Begin:		1212
Bottom:		1230
End:		1310

START POSITION (GPS)
LAT: 50 50 02
LONG: 144 40 04

BOTTOM POSITION (GPS)
LAT: 50 50 05
LONG: 144 40 02

END POSITION (GPS)
LAT: 50 50 01
LONG: 144 40 05

Comments: NUTRIENTS: ORANGE RACK
OXYGEN: BLUE BOX + A,B,C LABELLED. C = LOOP
321a / 1329 : 7.132
321b / 1462 : 7.132
321c / 1460 : 7.098

ROSETTE LOG

MISSION ID: 2007-01 STATION: P33 CAST NUMBER: 83 UTC DATE (dd/mm/yyyy): 16/02/07

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	323	1158	1.477	2000	✓ 2005	✓	✓	✓										
2	324	1175	0.675	1500	✓	✓												
3	325	1317	0.433	1250	✓	✓												
4	326	1322	0.347	1000	✓													
5	327	1326	0.424	800	✓													
6	328	1351	0.549	600	✓													
7	329	1358	0.858	400	✓													
8	330	1361	1.497	300	✓													
9	331	1362	2.376	250	✓													
10	332	1364	3.821	200	✓													
11	333	1367	3.485	175	✓													
12	334	1363	3.922	150	✓													
13	335	1368	5.192	125	✓	✓												TOP VALVE OPEN
14	336	1371	7.044	100	✓	✓						✓						TOP VALVE SLIGHTLY OPEN
15	337	1373	7.112	75	✓	✓												TOP VALVE OPEN
16	338	1374	7.107	50	✓	✓												
17	339	1375	7.247	25	✓	✓		✓										
18	340	1376	7.101	10	✓	✓												
19	341	1380	7.105	5	✓	✓	✓	✓				✓						
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 3780

Cast # down: 83
Cast # up:

Time	LOC	UTC
Begin:	1231	2031
Bottom:	1255	2055
End:	1339	2139

START POSITION (GPS)
LAT: 50 53 99
LONG: 143 35 57

BOTTOM POSITION (GPS)
LAT: 50 54 00
LONG: 143 35 82

END POSITION (GPS)
LAT: 50 53 90
LONG: 143 36 24

Comments: OXYGEN RED BOX
NUTRIENTS: WHITE RACK

ROSETTE LOG

MISSION ID: 2007-01 STATION: R17 CAST NUMBER: 88 UTC DATE (dd/mm/yyyy): 17/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL				
1	345	1225	1.461	2000	✓ 2000	✓		✓										
2	346	1231	0.633	1500	✓ 1500	✓												
3	347	1235	0.425	1250	✓ 1250	✓												
4	348	1237	0.358	1000	✓ 1000													
5	349	1280	0.345	800	✓ 800													
6	350	1258	0.526	600	✓ 606													
7	351	1260	0.967	400	✓ 401													
8	352	1270	1.467	300	✓ 299													
9	353	1383	1.861	250	✓ 250													
10	354	1337	2.710	200	✓ 200													
11	355	1033	3.510	175	✓ 175													
12	356	1031	4.287	150	✓ 150													
13	357	1398	4.609	125	✓ 125													
14	358	1206	6.040	100	✓ 100								✓					
15	359	1195	7.111	75	✓ 75								✓					
16	360	1192	6.992	50	✓ 50								✓					
17	361	1136	7.034	25	✓ 25	✓							✓					
18	362	1135	7.055	10	✓ 10	✓							✓					
19	363			5	✓ 5	✓							✓					
20	364a	1329	7.034	5	✓ 5	✓	✓							✓				
21																		
22																		
23																		
24																		

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

Bottom Depth: 3835

Cast # down: 88
Cast # up: 88

Time	LOC	UTC
Begin:		1156
Bottom:		1215
End:		1259

START POSITION (GPS)
LAT: 51 02 03
LONG: 140 56 06

BOTTOM POSITION (GPS)
LAT: 51 01 98
LONG: 140 55 98

END POSITION (GPS)
LAT: 51 01 97
LONG: 140 55 99

Comments: OXY - Blue Box
364b/1462: 7.024
364c/1460: 7.110
Nuts - Green Rack
365a/1433: 7.090
Bottle 19 hung upon PVC wire guide
R16 values: 365c/1428: Problem with program - no value record.
bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2007-01 STATION: R12 CAST NUMBER: 90 UTC DATE (dd/mm/yyyy): 18/02/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH				
							OXY			ALK		CHL						
1	366	1406	1.390	2000	✓ 2005	✓		✓						✓				
2	367	1256	0.620	1500	✓	✓												
3	368	1267	0.376	1250	✓													
4	369	1268	0.309	1000	✓													
5	370	1272	0.328	800	✓													
6	371	1273	0.544	600	✓			✓										NISKIN DRIPPING
7	372	1274	1.143	400	✓													
8	373	1276	1.849	300	✓													
9	374	1278	2.754	250	✓													
10	375	1300	3.838	200	✓													
11	376	1321	3.839	200	✓													
12	377	1305	4.148	175	✓													
13	378	1301	4.503	150	✓													
14	379	1306	5.427	125	✓													
15	380	1307	6.912	100	✓													TOP VALVE OPEN?
16	381	1311	6.971	75	✓													
17	382	1443	6.940	50	✓													
18	383	1309	6.955	25	✓													
19	384	1314	6.954	10	✓	✓												
20	385	1315	6.950	5	✓	✓		✓						✓	✓			TOP VALVE OPEN?
21																		
22																		
23																		
24																		

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

Bottom Depth: 3200

Cast # down: 90
Cast # up:

Time	LOC	UTC
Begin:	0808	1608
Bottom:	0835	1635
End:	0915	1715

START POSITION (GPS)
LAT: 51°12' 99"
LONG: 137°22' 94"

BOTTOM POSITION (GPS)
LAT: 51°12' 99"
LONG: 137°23' 02"

END POSITION (GPS)
LAT: 51°12' 98"
LONG: 137°23' 01"

Comments: OXY: GREEN BOX + 385 C: LOOP 385C/1146 6.988
NUTS: RED RACK

ROSETTE LOG

CALIBRATION CAST

MISSION ID: 2007-01 STATION: R11S CAST NUMBER: 92 UTC DATE (dd/mm/yyyy): 18/2/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					Loop	
						OXY				ALK		CHL					OXY	
1	386			2005	✓					✓								
2	387				✓					✓								
3	388				✓					✓								
4	389				✓					✓								
5	390				✓					✓								
6	391				✓													
7	392				✓													
8	393				✓													
9	394				✓													
10	395			2005	✓													
11	396				✓													
12	397				✓													
13	398				✓													
14	399				✓													
15	400				✓													
16	401				✓													
17	402				✓													
18	403			2005	✓													
19	404				✓													
20	405				✓													
21	406				✓													
22	407				✓													
23	408			2005	✓													
24	409	1400	6.952	5	✓	✓	✓	✓				✓					✓	Bottle "25"

SHIP: JP Tully
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 3626

Cast # down: 92
Cast # up: 92

Time	LOC	UTC
Begin:	1327	2127
Bottom:	1350	2150
End:	1417	2217

START POSITION (GPS)
LAT: 50 49.987
LONG: 136 40.285

BOTTOM POSITION (GPS)
LAT: 50 49.926
LONG: 136 40.459

END POSITION (GPS)
LAT: 50 49.751
LONG: 136 40.565

Comments: 409b - oxygen from loop } GREEN BOX
"25" Oxygen from loop } 409b/1323 : 6.970

ROSETTE LOG

MISSION ID: 2007-01 STATION: Eddy 2 CAST NUMBER: 93 UTC DATE (dd/mm/yyyy): 19/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL				
1	410	1225	1.377	2000	✓ 2005	✓	✓	✓										oxy samples taken after vent opened a few minutes
2	411	1231	0.582	1500	✓ 1500													
3	412	1235	0.325	1250	✓ 1250													
4	413	1237	0.267	1000	✓ 1000													
5	414	1280	0.280	800	✓ 800													
6	415	1258	0.486	600	✓ 600			✓										
7	416	1260	1.182	400	✓ 400													
8	417	1270	1.759	300	✓ 300													
9	418	1383	2.468	250	✓ 250													
10	419	1337	3.140	200	✓ 201													
11	420	1333	3.341	175	✓ 175													
12	421	1331	3.858	150	✓ 150													
13	422	1398	5.422	125	✓ 127													
14	423	1206	6.867	100	✓ 100								✓					
15	424	1195	6.890	75	✓ 75													
16	425	1192	6.907	50	✓ 51													
17	426	1136	6.928	25	✓ 25													
18	427	1135	6.908	10	✓ 10													
19	428	1442	6.907	5	✓ 6	✓	✓	✓						✓				
20	429	1449	5.385	5	✓ 5	✓	✓							✓				
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: MIR
CHECKED BY: D4

Bottom Depth: —

Cast # down: 93
Cast # up: 93

Time	LOC	UTC
Begin:		<u>0153</u>
Bottom:		<u>0216</u>
End:		<u>0256</u>

START POSITION (GPS)
LAT: 50 30.07
LONG: 135.59.89

BOTTOM POSITION (GPS)
LAT: 50 30.18
LONG: 136 00.05

END POSITION (GPS)
LAT: 50 30.18
LONG: 136 00.03

Comments: oxy-Blue box 4296/1440:
Nuts - Blue Rack 4290/1439: 6946

ROSETTE LOG

MISSION ID: 2007-01 STATION: R9 CAST NUMBER: 101 UTC DATE (dd/mm/yyyy): 19/02/2007

[illegible]

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 3478 —

Cast # down:	101
Cast # up:	101

Time	LOC	UTC
Begin:		1412
Bottom:		1430
End:		1509

START POSITION (GPS)			
LAT:	51	19	04
LONG:	135	14	98

BOTTOM POSITION (GPS)			
LAT:	51	18	99
LONG:	135	14	94

END POSITION (GPS)
LAT: 51 19 00
LONG: 135 15 00

Comments:	Oxy: Green Box	449a / 1323 / 6.687	
	Nuts: Brown Rack	449c / 1324 / 6.856	R10s: 430a: 1349 / 6.928
			430c: 1441 / 6.288

ROSETTE LOG

MISSION ID: 2007-01 STATION: 355 CAST NUMBER: 104 UTC DATE (dd/mm/yyyy): 20/2/07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL						
1	451	1317	2.531	Bot-10	✓ 185													Blank Values
2	452	1322	2.817	175	✓	✓												Standard Values gone for 450a
3	453	1326	4.291	150	✓													.002, .002, .002
4	454	1351	5.522	125	✓													.715, .715, .716
5	455	1358	6.216	100	✓													obtained 20/2/2007
6	456	1361	6.453	75	✓													
7	457	1362	6.764	50	✓													
8	458	1364	6.722	25	✓													
9	459	1367	6.712	10	✓													* Problem with program
10	460	1363	6.691	5	✓	✓	✓	✓				✓						sample data lost.
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 200

Cast # down: 104

Cast # up:

Time	LOC	UTC
Begin:	1057	1857
Bottom:	1101	1901
End:	1111	1911

START POSITION (GPS)
LAT: 51 28.05
LONG: 128 30.12

BOTTOM POSITION (GPS)
LAT: 51 28.07
LONG: 128 30.14

END POSITION (GPS)
LAT: 51 28.23
LONG: 128 30.18

Comments: NUTRIENTS: ORANGE BACK SS4 Values: 450a/1158 - Sample data lost *
OXY LABELED IN RED Oxy + 460 c 450c/1175 - 6.757
460c/1368 - 6.985

ROSETTE LOG

MISSION ID: 2007-01 STATION: SS7 CAST NUMBER: 107 UTC DATE (dd/mm/yyyy): 20/2/07

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	462	1371	5.453	Bot-15	✓			✓	1									
2	463	1373	5.731	100	✓													
3	464	1374	6.632	75	✓													
4	465	1380	6.688	50	✓													
5	466	1381	6.738	25	✓													
6	467	1382	6.509	10	✓													
7	468	1389	6.719	5	✓	✓												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. TULLY

ENTERED BY: MR

CHECKED BY:

Bottom Depth: 1

Cast # down: 107

Cast # up:

Time	LOC	UTC
Begin:	1505	2305
Bottom:	1508	2308
End:	1515	2315

START POSITION (GPS)

LAT: 51 24.72

LONG: 127 47.60

BOTTOM POSITION (GPS)

LAT: 51 24.73

LONG: 127 47.60

END POSITION (GPS)

LAT: 51 24.73

LONG: 127 47.58

Comments: NUTRIENTS: YELLOW RACK

468C / 1391 : 6.756

SSG values 461 / 1256 : 7.020

461C / 1406 : 6.865

ROSETTE LOG

MISSION ID: 2007-01 STATION: R1 CAST NUMBER: 108 UTC DATE (dd/mm/yyyy): 21/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ONAR				
1	469	1267	1.151	Bot-10	- 326													
2	470	1268	1.108	300	- 300													
3	471	1272	1.209	250	- 250				✓									
4	472	1273	1.317	200	- 200													
5	473	1274	2.548	175	- 175													
6	474	1276	2.628	150	- 148													
7	475	1278	3.062	125	- 125													
8	476	1300	3.004	100	- 99								✓					
9	477	1321	3.849	75	- 74													
10	478	1305	3.385	50	- 50													
11	479	1301	4.182	25	- 25													
12	480	1306	4.589	10	- 10													
13	481	1307	4.117	5	- 5													
14	482	1311	6.696	5	- 5	✓	✓							✓	✓			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: HR
CHECKED BY: DK

Bottom Depth: 334

Cast # down: 108
Cast # up: 108

Time	LOC	UTC
Begin:		0013
Bottom:		0019
End:		0036

START POSITION (GPS)
LAT: 51 26 39
LONG: 127 38 11

BOTTOM POSITION (GPS)
LAT: 51 26 44
LONG: 127 38 14

END POSITION (GPS)
LAT: 51 26 47
LONG: 127 38 19

Comments: NUTRIENTS RED RACK. Ri2 values: 483a / 1314 : 6.976
OXYs a 482 b / 1443 : 6.702
482 c / 1309 : 6.803 483c / 1315 : 7.029

ROSETTE LOG

MISSION ID: 2007-01 STATION: R: 4 CAST NUMBER: 114 UTC DATE (dd/mm/yyyy): 21/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL		
1	485	1433	1.730	Bot-10	/	288										
2	486	1428	1.779	250	/											
3	487	1356	1.820	200	/											
4	488	1425	1.984	175	/											
5	489	1404	3.555	150	/											
6	490	1366	4.039	125	/											
7	491	1426	4.767	100	/											
8	492	1427	5.951	75	/											
9	493	1429	6.320	50	/											
10	494	1354	6.333	25	/											
11	495	1247	6.615	10	/											
12	496	1360	7.337	5	/											
13	497a	1347	7.262	5	/											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: J.P TULLY
ENTERED BY: P.A
CHECKED BY: M.R

Bottom Depth: 298

Cast # down: 114
Cast # up:

Time	LOC	UTC
Begin:	2020	0420
Bottom:	2026	0426
End:	2039	0439

START POSITION (GPS)
LAT: 51 38 90
LONG: 127 26.75

BOTTOM POSITION (GPS)
LAT: 51 38 57
LONG: 127 26.79

END POSITION (GPS)
LAT: 51 38 85
LONG: 127 26.86

Comments: Nuts Brown Rock R:3 With cast 114 R:5 Cast 114 R:6 Cast 119
484a/1403: 7.223 498a/1384: 6.923 499a/1216: 6.913
(497a) 497b/1432: 7.283 494c/1430: 7.351 499c/1212: 7.285 499c/1223: 7.137
497c/1431: 7.461
bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2007-01 STATION: M2 CAST NUMBER: 120 UTC DATE (dd/mm/yyyy): 21/02/2007

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	500	1267	0.834	Bot-10	- 186		/	/										
2	501	1268	2.121	175	- 175													
3	502	1272	4.067	150	- 150													
4	503	1273	3.941	125	- 125													
5	504	1274	5.972	100	- 100													
6	505	1276	4.319	75	- 75													
7	506	1278	6.303	50	- 50													
8	507	1300	4.356	25	- 25													
9	508	1321	6.724	10	- 10			✓										
10	509	1305	6.726	5	- 5	✓	✓	✓				✓						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: OXY C FROM LOOP 509C / 1310 : 6.809
NUTS GREEN RACK

SHIP: Tully

ENTERED BY: HR

CHECKED BY: DA

Bottom Depth: 192

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1142
Bottom:		1144
End:		1157

START POSITION (GPS)

LAT: 51 46 45

LONG: 127 53 25

BOTTOM POSITION (GPS)

LAT: 51 46 46

LONG: 127 53 23

END POSITION (GPS)

LAT: 51 46 44

LONG: 127 53 26

ROSETTE LOG

MISSION ID: 2007-01 STATION: M3 CAST NUMBER: 121 UTC DATE (dd/mm/yyyy): 21/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CHL						
1	510	1301	2.737	Bot-10	- 323													
2	511	1306	3.021	250	- 250													
3	512	1307	3.254	200	- 200													
4	513	1311	3.730	175	- 175													
5	514	1443	3.978	150	- 150													
6	515	1309	5.132	125	- 125													
7	516	1314	6.166	100	- 100													
8	517	1315	5.591	75	- 75													
9	518	1146	6.459	50	- 50													
10	519	1318	6.379	25	- 25													
11	520	1319	7.094	10	- 10			✓										
12	521	1323	6.751	5	- 5	✓	✓	✓				✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 326

Cast # down: 121
Cast # up: 121

Time	LOC	UTC
Begin:		1224
Bottom:		1229
End:		1243

START POSITION (GPS)
LAT: 51 46 29
LONG: 127 54 61

BOTTOM POSITION (GPS)
LAT: 51 46 28
LONG: 127 54 61

END POSITION (GPS)
LAT: 51 46 29
LONG: 127 54 62

Comments: Oxy C from loop 521c/1324 : 6.741
NUTS - light blue rack

ROSETTE LOG

MISSION ID: 2007-01 STATION: M4 CAST NUMBER: 122 UTC DATE (dd/mm/yyyy): 21/02/2007

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	522	1433	1.688	Bot-10	- 423													
2	523	1428	2.730	400	- 460													
3	524	1356	2.936	300	- 300													
4	525	1425	3.233	250	- 250													
5	526	1404	3.462	200	- 202													
6	527	1366	3.639	175	- 176													
7	528	1426	3.998	150	- 150			✓										
8	529	1427	5.268	125	- 125													
9	530	1429	6.034	100	- 100													
10	531	1354	6.783	75	- 76													
11	532	1247	8.480	50	- 50													Not filled to top huge air gap.
12	533	1360	6.473	25	- 25													
13	534	1347	6.537	10	- 10													
14	535	1432	6.515	5	- 5	✓	✓	✓				✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: 122
CHECKED BY: 122

Bottom Depth: 436

Cast # down: 122
Cast # up: 122

Time	LOC	UTC
Begin:		1320
Bottom:		1326
End:		1344

START POSITION (GPS)
LAT: 51 44 68
LONG: 128 00 24

BOTTOM POSITION (GPS)
LAT: 51 44 66
LONG: 128 00 26

END POSITION (GPS)
LAT: 51 44 64
LONG: 128 00 24

Comments: Oxy c from loop. 535c / 1431 : 6:482
Hits - Blue Rock

ROSETTE LOG

MISSION ID: 2007-01

STATION: SS3

CAST NUMBER: 125

UTC DATE (dd/mm/yyyy):

21/02/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	538	1403	1.775	805-10	✓ 282	x	x	x										
2	539	1430	2.170	250	✓													
3	540	1384	2.521	200	✓				x									
4	541	1212	3.360	175	✓													
5	542	1216	3.824	150	✓													
6	543	1223	4.714	125	✓													
7	544	1238	6.715	100	✓							x					Bubbles	
8	545	1279	6.691	75	✓													
9	546	1241	6.675	50	✓													
10	547	1228	6.649	25	✓													
11	548	1313	6.662	10	✓													
12	549	1344	6.706	5	✓	x	✓	✓				✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JP Tully
 ENTERED BY: MA
 CHECKED BY: MA

Bottom Depth: 290

Cast # down: 125
 Cast # up: 125

Time	LOC	UTC
Begin:	13:20	2120
Bottom:	13:25	2125
End:	1342	2142

START POSITION (GPS)
 LAT: 51 15.118
 LONG: 129 21.320

BOTTOM POSITION (GPS)
 LAT: 51 15.275
 LONG: 129 21.431

END POSITION (GPS)
 LAT: 51 15.628
 LONG: 129 21.186

Comments:

NUTRIENTS → WHITE TRAY
 OXY → RED CASE

ROSETTE LOG

MISSION ID: STATION: 551 CAST NUMBER: 128 UTC DATE (dd/mm/yyyy): 22/02/2007

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	551	1158	1.045	Bot-10	- 475	X												
2	552	1175	1.539	400	- 400													
3	553	1317	2.200	300	- 300													
4	554	1322	2.520	250	- 250													
5	555	1326	2.109	200	- 200			X										
6	556	1351	2.212	175	- 175													
7	557	1352	2.762	150	- 150													
8	558	1361	3.526	125	- 126													
9	559	1362	6.125	100	- 100							X						
10	560	1364	6.740	75	- 76													
11	561	1367	6.795	50	- 50													
12	562	1363	6.762	25	- 28													
13	563	1368	6.840	10	- 10													
14	564	1256	5.716	5		X		V				V						
15				5														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY: 0

CHECKED BY:

Bottom Depth: 493

Cast # down: 128

Cast # up: 128

Time	LOC	UTC
Begin:		0137
Bottom:		0144
End:		0206

START POSITION (GPS)

LAT: 51 12 06

LONG: 129 59 94

BOTTOM POSITION (GPS)

LAT: 51 12 06

LONG: 129 59 81

END POSITION (GPS)

LAT: 51 12 00

LONG: 129 59 65

Comments: Nuts - Red Racks

ROSETTE LOG

MISSION ID: 2007-01 STATION: 27 CAST NUMBER: 129 UTC DATE (dd/mm/yyyy): 23/02/2007

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	565	1158	2.673	Bot-10	✓ 340	x												
2	566	1175	2.707	300	✓	x												
3	567	1317	2.879	250	✓	x												
4	568	1322	4.181	200	✓	x		x										
5	569	1326	4.326	150	✓							✓						
6	570	1351	4.868	100	✓	x						✓						
7	571	1358	4.772	50	✓	x						✓						
8	572	1361	6.038	20	✓	x						✓						
9	573	1362	7.046	5	✓	x		↓	✓			✓						
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS → GREEN TRAY
O's → RED BOX

SHIP:
ENTERED BY: DA
CHECKED BY: DA

Bottom Depth: 350

Cast # down: 129
Cast # up: 129

Time	LOC	UTC
Begin:	2133	0533
Bottom:	2140	0540
End:	2152	0552

START POSITION (GPS)
LAT: 49 19.163
LONG: 123 48.058

BOTTOM POSITION (GPS)
LAT: 49 19.156
LONG: 123 48.098

END POSITION (GPS)
LAT: 49 19.237
LONG: 123 48.384

ROSETTE LOG

MISSION ID: 2007-01 STATION: 39 CAST NUMBER: 133 UTC DATE (dd/mm/yyyy): 23/02/2007

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	575	1364	4.442	180T-10	✓ 367	X		X										
2	576	1367	2.608	300	✓ 300	X												
3	577	1363	2.922	250	✓ 250	X												
4	578	1368	3.888	200	✓ 200	X		X										
5	579	1256	4.774	150	✓ 150	X												
6	580	1406	5.052	100	✓ 100							X						↑ Close?
7	581	1371	5.056	50	✓ 50							X						
8	582	1373	5.666	20	✓ 20							X						
9	583	1374	6.319	5	✓ 5	X		↓	↓			X						
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: MA
CHECKED BY: DA

Bottom Depth: 377

Cast # down: 133
Cast # up: 133

Time	LOC	UTC
Begin:		0827
Bottom:		0831
End:		0843

START POSITION (GPS)
LAT: 49 09 83
LONG: 123 33 01

BOTTOM POSITION (GPS)
LAT: 49 09 83
LONG: 123 33 02

END POSITION (GPS)
LAT: 49 09 81
LONG: 123 33 04