

ROSETTE LOG

MISSION ID: 2004-20 STATION: P2 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 21/08/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken -10										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	Cl3	CHL				
1	2	657	1.762	B-5	✓	112	✓	✓	✓				✓			
2	3	708	1.667	100	✓	100.1	✓	✓	✓							
3	4	1130	3.165	75	✓	74.9	✓	✓	✓							
4	5	1433	4.468	50	✓	50	✓	✓	✓							
5	6	1135	6.223	30	✓	29.7	✓	✓	✓							
6	7	1176	5.862	20	✓	20.2	✓	✓	✓							
7	8	1137	6.428	10	✓	10.0	✓	✓	✓				✓			
8	9	1136	6.976	4	✓	3.9	✓	✓	✓							
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: Nut: YELLOW RACK

SHIP: Tully
ENTERED BY: AW.
CHECKED BY: PC

Bottom Depth: 118

Cast # down: 3
Cast # up: 3

Time	LOC	UTC
Begin:		0948
Bottom:		0952
End:		1003

START POSITION (GPS)
LAT: 48 36 00
LONG: 125 59 97

BOTTOM POSITION (GPS)
LAT: 48 35 99
LONG: 125 59 97

END POSITION (GPS)
LAT: 48 35 98
LONG: 126 00 02

ROSETTE LOG

MISSION ID: 2004-20

STATION: P4

CAST NUMBER: 6

UTC DATE (dd/mm/yyyy):

21 / 08 / 2004

				ROSETTE OPERATION		Samples taken											
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		HPIC		Grain	
							OXY			ALK		CHL		DMS			
1	11	1256	0.803	B-10	✓	1296	✓	✓	✓	✓							
2	12	1440	0.802	1250	✓					1							
3	13	1268	0.493	1090	✓					2							2 samples
4	14	1267	0.574	1090	✓	DUP											
5	15	1273	0.310	800	✓												
6	16	1274	0.501	600	✓												
7	17	1278	1.081	400	✓											✓	
8	18	1276	1.507	300	✓												
9	19	1442	2.190	250	✓									✓	✓		
10	20	1441	2.645	200	✓												
11	21	1443	3.433	175	✓											✓	
12	22	1444	3.862	150	✓												
13	23	1445	4.647	125	✓											✓	
14	24	1447	5.048	100	✓											✓	
15	25	1446	6.068	75	✓							✓	✓	✓		✓	
16	26	1448	6.530	50	✓							✓	✓	✓		✓	
17	27	1449	6.526	30	✓							✓	✓	✓		✓	
18	28	1451	6.080	20	✓							✓	✓	✓		✓	
19	29	1450	5.997	10	✓							✓	✓	✓	✓	✓	
20	30	1452	5.868	4	✓							✓	✓	✓	✓	✓	
21																	
22																	
23																	
24																	

SHIP: Tully
ENTERED BY: J.W.
CHECKED BY: M.R.

Bottom Depth: ~1300

Cast # down: 6
Cast # up: 7

Time	LOC	UTC
Begin:		1431
Bottom:		
End:		1550

START POSITION (GPS)
LAT: 48 39.01
LONG: 126 39.94

BOTTOM POSITION (GPS)
LAT: 48 39.81
LONG: 126 40.04

END POSITION (GPS)
LAT: 48 38.09
LONG: 126 39.40

Comments:

ROSETTE LOG

MISSION ID: 2004-20 STATION: P8 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 22/Aug/2004

MISSION ID: 2004-20

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				GASES		
1	34	1421	2.053	B-5	✓	2540	✓	✓	✓									
2	35	1422	1.426	2000	✓													
3	36	1424	5.688	1500	✓													
4	37	1354	0.392	1250	✓													
5	38	1482	0.266	1000	✓													
6	39	1384	0.362	800	✓													
7	40	1212	0.292	800	✓													
8	41	1138	0.614	600	✓													
9	42	1456	1.408	400	✓			✓										
10	43	1455	2.083	300	✓											✓		
11	44	1457	2.304	250	✓													
12	45	1228	2.947	200	✓											✓		
13	46	1231	4.243	150	✓											✓		
14	47	1351	4.137	125	✓													
15	48	1319	5.166	100	✓													
16	49	1406	6.192	75	✓												✓	
17	50	1417	6.847	50	✓												✓	
18	51	1431	6.066	30	✓												✓	
19	52	1195	5.898	20	✓												✓	
20	53	1271	5.591	10	✓												✓	
21	54	1175	5.612	4	✓			✓	✓	✓							✓	
22	55																	
23	56																	
24	57																	

SHIP: J.P. TOLLY
ENTERED BY: H.M.
CHECKED BY: MR

Bottom Depth: 2530

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		0519
Bottom:		0547
End:		0645

START POSITION (GPS)
LAT: 48 49 01
LONG: 128 39 96

BOTTOM POSITION (GPS)
LAT: 48 49 00
LONG: 128 39 96

END POSITION (GPS)
LAT: 48 48 98
LONG: 128 39 93

ROSETTE LOG

MISSION ID: 2004-20

STATION: P12

CAST NUMBER: 18

UTC DATE (dd/mm/yyyy):

22/08/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	HPCL	DMS	GABES	
1	58	657	2.496	B-10	✓	3000	✓	✓	✓	✓						
2	59	708	2.347	3000	✓	3000	✓	✓	✓	✓						
3	60	1130	1.953	2500	✓	2500	✓	✓	✓	✓						
4	61	1135	1.337	2000	✓	2000	✓	✓	✓	✓						
5	62	1136	0.614	1500	✓	1500	✓	✓	✓	✓						
6	63	1137	0.329	1250	✓	1250	✓	✓	✓	✓						
7	64	1176	0.220	1000	✓	1000	✓	✓	✓	✓						
8	65	1235	0.229	800	✓	800	✓	✓	✓	✓						
9	66	1336	0.601	600	✓	600	✓	✓	✓	✓						
10	67	1353	1.373	400	✓	400	✓	✓	✓	✓						
11	68	1369	1.356	400	✓	400	✓	✓	✓	✓						
12	69	1391	1.909	300	✓	300	✓	✓	✓	✓					✓	
13	70	1393	2.555	250	✓	250	✓	✓	✓	✓					✓	
14	71	1397	3.356	200	✓	200	✓	✓	✓	✓					✓	
15	72	1398	4.652	150	✓	150	✓	✓	✓	✓					✓	
16	73	1399	4.912	125	✓	125	✓	✓	✓	✓					✓	
17	74	1400	5.577	100	✓	100	✓	✓	✓	✓		✓	✓		✓	
18	75	1407	6.479	75	✓	75	✓	✓	✓	✓		✓	✓		✓	
19	76	1410	6.786	50	✓	50	✓	✓	✓	✓		✓	✓		✓	
20	77	1414	6.579	30	✓	30	✓	✓	✓	✓		✓	✓		✓	
21	78	1432	5.900	20	✓	20	✓	✓	✓	✓		✓	✓		✓	
22	79	1433	5.693	10	✓	10	✓	✓	✓	✓		✓	✓		✓	
23	80	1434	5.669	4	✓	4	✓	✓	✓	✓		✓	✓		✓	
24																

Comments:

RED

SHIP: TULLY

ENTERED BY: FW

CHECKED BY: PC

Bottom Depth: 3000+

Cast # down: 18

Cast # up: 18

Time LOC UTC

Begin: 20:24 →

Bottom: 20:59 →

End: 21:58

START POSITION (GPS)

LAT: 48 58.20

LONG: 130 40 01

BOTTOM POSITION (GPS)

LAT: 48 58.20

LONG: 130 40 01

END POSITION (GPS)

LAT: 48 58.26

LONG: 130 39.55

ROSETTE LOG

MISSION ID: 2004-20

STATION: P16

CAST NUMBER: 23

UTC DATE (dd/mm/yyyy): 23/08/2004

MISSION ID: 2-11-11

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3			DMS			
							OXY				ALK		CHL	HPLC		GASES		
1	84	1138	2.831	B-20	✓	3599	✓	✓	✓		✓						750 < 3550	
2	85	1175	2.426	3000	✓	3000	✓	✓	✓		✓						750 < 2800	
3	86	1195	1.936	2500	✓	2500	✓	✓	✓		✓						2050	
4	87	1206	1.350	2000	✓	2000	✓	✓	✓		✓						1300	
5	88	1212	0.521	1500	✓	1500	✓	✓	✓		✓						550	
6	89	1228	0.317	1250	✓	1250	✓	✓	✓		✓							
7	90	1231	0.252	1000	✓	1000	✓	✓	✓		✓							
8	91	1319	0.339	800	✓	800	✓	✓	✓		✓						x 2150	
9	92	1351	0.625	600	✓	600	✓	✓	✓		✓						x 3900	
10	93	1354	1.481	400	✓	400	✓	✓	✓		✓				✓		3650	
11	94	1384	2.266	300	✓	300	✓	✓	✓		✓							
12	95	1403	2.956	250	✓	250	✓	✓	✓		✓							
13	96	1404	2.971	250	✓	250	✓	✓	✓		✓							
14	97	1406	3.970	200	✓	200	✓	✓	✓		✓				✓			
15	98	1411	4.860	150	✓	150	✓	✓	✓		✓				✓			
16	99	1417	5.009	125	✓	125	✓	✓	✓		✓				✓			
17	100	1421	5.833	100	✓	100	✓	✓	✓		✓		✓	✓	✓			
18	101	1422	6.878	75	✓	75	✓	✓	✓		✓		✓	✓	✓			
19	102	1424	7.219	50	✓	50	✓	✓	✓		✓		✓	✓	✓			
20	103	1425	7.402	30	✓	30	✓	✓	✓		✓		✓	✓	✓			
21	104	1426	6.601	20	✓	20	✓	✓	✓		✓		✓	✓	✓			
22	105	1427	5.974	10	✓	10	✓	✓	✓		✓		✓	✓	✓			
23	106	1430	5.950	4m	✓	4	✓	✓	✓	✓	✓		✓	✓	✓			
24																		

SHIP: Tully
ENTERED BY: JW
CHECKED BY: PC

Bottom Depth: 3650

Cast # down: 23
Cast # up: 23

Time	LOC	UTC
Begin:		18:26
Bottom:		19:22
End:		20:28

START POSITION (GPS)
LAT: 49 17.01
LONG: 134 40.01

BOTTOM POSITION (GPS)
LAT: 49 17.00
LONG: 134 40.07

END POSITION (GPS)
LAT: 49 16.99
LONG: 134 39.96

ROSETTE LOG

MISSION ID: 2004-20

STATION: P20

CAST NUMBER: 28

UTC DATE (dd/mm/yyyy):

24 Aug 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		CHL	APL	Bay		
1	110	1142	3.160	Bot-10	✓	3904	✓	✓	✓	✓								Co 2475
2	111	1146	2.872	3500	✓	3500												3220
3	112	1233	2.521	3000	✓	3000												3970
4	113	1428	1.948	2500	✓	2500												3000
5	114	1237	1.249	2000	✓	2000				ab								
6	115	1241	1.253	2000	✓	2000				✓								
7	116	1247	0.481	1500	✓	1500												
8	117	1280	0.296	1250	✓	1250												
9	118	1313	0.285	1000	✓	1000												
10	119	1460	0.363	800	✓	800												
11	120	1458	0.628	600	✓	600												
12	121	1438	1.241	400	✓	400												
13	122	1435	1.846	300	✓	300											✓	
14	123	1279	2.285	250	✓	250											✓	
15	124	1281	3.091	200	✓	200											✓	
16	125	1284	4.683	150	✓	150											✓	
17	126	1324	5.363	125	✓	125											✓	
18	127	1325	6.046	100	✓	100											✓	
19	128	1326	6.898	75	✓	75											✓	
20	129	1327	7.036	50	✓	50											✓	
21	130	1429	6.186	30	✓	30											✓	
22	131	1238	6.102	20	✓	20											✓	
23	132	1218	6.030	10	✓	10											✓	
24	133	1260	6.056	4	✓	4											✓	

SHIP: John P. Tully
ENTERED BY: MR
CHECKED BY:

Bottom Depth: ~ 3970

Cast # down: 28

Cast # up:

Time	LOC	UTC
Begin:		1802
Bottom:		1858
End:		2012

START POSITION (GPS)
LAT: 49 34.06
LONG: 138 39.83

BOTTOM POSITION (GPS)
LAT: 49 34.505
LONG: 138 39.961

END POSITION (GPS)
LAT: 49 34.45
LONG: 138 39.79

Comments:

Nutrients - White Rack

ROSETTE LOG

MISSION ID: 2004-20

STATION: p26

CAST NUMBER: 36

UTC DATE (dd/mm/yyyy):

26/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	HPLC	GASES		
1	140	657	3.192	B-10	✓ 4300	✓	✓	✓	✓	✓	✓					
2	141	708	3.414	4000	✓ 4001	✓	✓	✓	✓	✓	✓					
3	142	1130	2.923	3500	✓ 3500	✓	✓	✓	✓	✓	✓					
4	143	1135	2.615	3000	✓ 3000	✓	✓	✓	✓	✓	✓					
5	144	1136	1.920	2500	✓	✓	✓	✓	✓	✓	✓					
6	145	1137	1.260	2000	✓	✓	✓	✓	✓	✓	✓					
7	146	1176	0.546	1500	✓	✓	✓	✓	✓	✓	✓					
8	147	1235	0.384	1250	✓	✓	✓	✓	✓	✓	✓					
9	148	1336	0.534	1000	✓	✓	✓	✓	✓	✓	✓					
10	149	1353	0.482	800	✓	✓	✓	✓	✓	✓	✓					
11	150	1389	0.590	600	✓	✓	✓	✓	✓	✓	✓			✓		
12	151	1391	0.985	400	✓	✓	✓	✓	✓	✓	✓			✓		
13	152	1393	1.275	300	✓	✓	✓	✓	✓	✓	✓			✓		
14	153	1397	1.652	250	✓	✓	✓	✓	✓	✓	✓			✓		
15	154	1398	2.233	200	✓	✓	✓	✓	✓	✓	✓			✓		
16	155	1399	3.490	150	✓	✓	✓	✓	✓	✓	✓			✓		
17	156	1400	4.371	125	✓	✓	✓	✓	✓	✓	✓			✓		
18	157	1407	5.799	100	✓	✓	✓	✓	✓	✓	✓			✓		
19	158	1410	6.912	75	✓	✓	✓	✓	✓	✓	✓			✓		
20	159	1414	7.030	50	✓	✓	✓	✓	✓	✓	✓			✓		
21	160	1432	7.172	30	✓	✓	✓	✓	✓	✓	✓			✓		
22	161	1433	6.204	20	✓	✓	✓	✓	✓	✓	✓			✓		
23	162	1434	6.204	10	✓	✓	✓	✓	✓	✓	✓			✓		
24	163	1352	6.200	4	✓	✓	✓	✓	✓	✓	✓			✓		

GREEN

Comments:

SHIP: Tully
ENTERED BY: 2W.
CHECKED BY: H.M. / M.K.

Bottom Depth: 4220 m

Cast # down: 36
Cast # up:

Time	LOC	UTC
Begin:		1300
Bottom:		1408
End:		1537

START POSITION (GPS)
LAT: 49 59 959
LONG: 144 59 936

BOTTOM POSITION (GPS)
LAT: 49 59 916
LONG: 144 59 915

END POSITION (GPS)
LAT: 50 00 49
LONG: 145 00 12

ROSETTE LOG

MISSION ID: 2004-20

STATION: A03
A03 Deploy

CAST NUMBER:

38

UTC DATE (dd/mm/yyyy):

27/08/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	164	1138	1.391	2000	✓	2000	✓	✓	✓									
2	165	1175	0.661	1500	✓	1500	✓											
3	166	1195	0.443	1250	✓	1250	✓											
4	167	1206	0.378	1000	✓	1000												* SEE NOTE
5	168	1212	0.364	1000	✓	1000												
6	169	1228	0.435	800	✓	800												
7	170	1231	0.491	600	✓	600			✓									
8	171	1319	6.646	400	✓	400												
9	172	1351	6.918	300	✓	300												
10	173	1354	1.094	250	✓	250												
11	174	1384	1.476	200	✓	200												
12	175	1403	2.251	150	✓	150												
13	176	1404	2.943	125	✓	125												
14	177	1406	4.362	100	✓	100												
15	178	1411	6.205	75	✓	75												
16	179	1417	7.066	50	✓	50												
17	180	1421	6.382	30	✓	30												
18	181	1422	6.233	20	✓	20												
19	182	1424	6.135	10	✓	10												
20	183	1425	6.142	4	✓	4	✓	✓	✓									
21																		
22																		
23																		
24																		

Comments: NISKIN 4 BOTTOM VALVE WAS
LOOSELY SEATED - MAY NOT HAVE BEEN
FULLY SEALED DURING CAST

Red rack

SHIP: J. P. TULLY

ENTERED BY: FW

CHECKED BY: PC

Bottom Depth: 3195

Cast # down: 38

Cast # up:

Time LOC UTC

Begin: 06:38

Bottom: 07:08

End:

START POSITION (GPS)

LAT: 50 1.37

LONG: 147 55.76

BOTTOM POSITION (GPS)

LAT: 50 1.51

LONG: 147 55.74

END POSITION (GPS)

LAT: 50 1.64

LONG: 147 55.42

ROSETTE LOG

MISSION ID: 2004-20

STATION: P33

CAST NUMBER: 42

UTC DATE (dd/mm/yyyy): 28/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	gas					
1	186	364	1.433	2000	2000	✓	✓	✓										
2	187	535	0.600	1500	1500	✓	✓	✓										
3	188	572	0.394	1250	1253	✓	✓	✓										
4	189	651	0.393	1250	1253	✓	✓	✓										
5	190	708	0.335	1000	999													
6	191	1130	0.393	800	800													
7	192	1135	0.520	600	600													
8	193	1136	0.945	400	400								✓					
9	194	1137	1.329	300	302													
10	195	1176	1.681	250	250								✓					
11	196	1235	2.832	200	200								✓					
12	197	1334	3.819	150	150													
13	198	1336	3.729	125	125								✓					
14	199	1344	5.179	100	98								✓					
15	200	1350	6.717	75	73								✓					
16	201	1352	6.986	50	51								✓					
17	202	1353	7.179	30	33								✓					
18	203	1389	6.206	20	20								✓					
19	204	1391	6.370	10	10								✓					
20	205	1393	6.213	4	4	✓	✓	✓					✓	✓				
21																		
22																		
23																		
24																		

SHIP: TULLY

ENTERED BY:

CHECKED BY: H.M.

Bottom Depth:

Cast # down: 42

Cast # up:

Time

LOC

UTC

Begin: 1216

Bottom: 1246

End: 1341

START POSITION (GPS)

LAT: 50 53.99

LONG: 143 35.50

BOTTOM POSITION (GPS)

LAT: 50 53.97

LONG: 143 35.49

END POSITION (GPS)

LAT: 50 53.93

LONG: 143 35.42

Comments: BLUE NUT RACK

ROSETTE LOG

MISSION ID:

2004-20

STATION:

R20

CAST NUMBER:

43

UTC DATE (dd/mm/yyyy):

28/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	206			2000	✓	✓			2									
2	207			2090	✓	✓			2									
3	208				✓	✓			2									
4	209				✓	✓			2									
5	210				✓	✓			2									
6	211				✓	✓												
7	212				✓	✓												
8	213				✓	✓												
9	214				✓	✓												
10	215				✓	✓												
11	216				✓	✓												
12	217				✓	✓												
13	218				✓	✓												
14	219				✓	✓												
15	220				✓	✓												
16	221				✓	✓												
17	222				✓	✓												
18	223				✓	✓												
19	224				✓	✓												
20	225				✓	✓												
21	226				✓	✓												
22	227				✓	✓												
23	228			2000	✓	✓												
24	229			4	✓	✓						✓						

SHIP: JOHN P DULLY
 ENTERED BY: FW
 CHECKED BY: M/L

Bottom Depth: 3620

Cast # down: 43
 Cast # up:

Time	LOC	UTC
Begin:		1557
Bottom:		1629
End:		1657

START POSITION (GPS)
 LAT: 50° 55' 68"
 LONG: 143° 00' 98"

BOTTOM POSITION (GPS)
 LAT: 50° 55' 50"
 LONG: 143° 01' 41"

END POSITION (GPS)
 LAT: 50° 55' 43"
 LONG: 143° 01' 45"

Comments:

ROSETTE LOG

MISSION ID: 2004-20 STATION: R17 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 29/08/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	gms					
1	232	1138	1.365	2000	✓	✓	✓	✓										TITRATION FAILED *
2	233	1175	0.170*	1500	✓	✓												
3	234	1195	0.393	1250	✓	✓												
4	235	1206	0.271	1000	✓													
5	236	1212	0.286	800	✓													
6	237	1228	0.288	800	✓													
7	238	1231	0.430	600	✓													
8	239	1319	0.889	400	✓								✓					
9	240	1351	1.440	300	✓													
10	241	1354	1.815	250	✓								✓					
11	242	1384	2.278	200	✓								✓					
12	243	1403	3.322	150	✓													
13	244	1404	4.351	125	✓								✓					
14	245	1406	5.724	100	✓								✓					
15	246	1411	6.759	75	✓								✓					
16	247	1417	7.032	50	✓								✓					
17	248	1421	6.717	30	✓								✓					
18	249	1422	6.192	20	✓								✓					
19	250	1424	6.090	10	✓								✓					
20	251	1425	6.095	4	✓	✓	✓	✓				✓	✓					
21																		
22																		
23																		
24																		

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

Bottom Depth: 3767

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		0324
Bottom:		0354
End:		0447

START POSITION (GPS)
LAT: 51.02.02
LONG: 140.55.96

BOTTOM POSITION (GPS)
LAT: 51.02.06
LONG: 140.55.94

END POSITION (GPS)
LAT: 51.02.05
LONG: 140.55.88

Comments: Orange rack * EXTREMELY POORLY SHAKEN: WORST I'VE EVER SEEN: HUGE FLAKES. DOUBLE ACID EVERY BOTTLE

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2004-20

STATION: R13

CAST NUMBER: 50

UTC DATE (dd/mm/yyyy): 29/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK		CHL		
1	255	1142	1.349	2000	✓	2000	✓	/	/									
2	256	1146	0.578	1500	✓	1500	✓	/	/									
3	257	1233	0.340	1250	✓	1250	✓	/	/									
4	258	1237	0.265	1000	✓	1000	✓	/	/									
5	259	1238	0.285	800	✓	800												
6	260	1241	0.455	600	✓	600												
7	261	1247	0.448	600	✓	600												FLAKES
8	262	1248	1.131	400	✓	400												FLAKES
9	263	1258	1.737	300	✓	300									✓			FLAKES d (BAD END PUMP)
10	264	1260	2.391	250	✓	250												FLAKES
11	265	1279	3.421	200	✓	200									✓			
12	266	1280	4.140	150	✓	150									✓			
13	267	1281	4.666	125	✓	125												
14	268	1284	5.729	100	✓	100									/	✓		FLAKES
15	269	1313	6.312	75	✓	75									/	✓		P
16	270	1324	6.434	60	✓	60									/			F
17	271	1325	6.633	50	✓	50									/	✓		F
18	272	1326	6.933	40	✓	40									/			
19	273	1327	7.060	30	✓	30									✓	✓		
20	274	1428	5.836	20	✓	20			✓						/	✓		
21	275	1429	5.796	10	✓	10									/	✓		
22	276	1435	5.792	A	✓	4	✓	✓	✓					✓	/	✓		
23																		
24																		

Comments:

WHITE RACK

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: PC

Bottom Depth: 3658

Cast # down: 50

Cast # up: 50

Time	LOC	UTC
Begin:		1847
Bottom:		1911
End:		1957

START POSITION (GPS)		
LAT:	51	11.00
LONG:	138	06.02

BOTTOM POSITION (GPS)		
LAT:	51	10.99
LONG:	138	06.00

END POSITION (GPS)		
LAT:	51	10.99
LONG:	138	05.97

ROSETTE LOG

MISSION ID: 2004-20 STATION: R9 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 30/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK	CHL			
1	280	364	1.394	2000	✓	2000	✓	✓	✓									
2	281	535	0.589	1500	✓	1500	✓											
3	282	572	0.394	1250	✓	1250	✓											
4	283	657	0.393	1250	✓	1250	✓											
5	284	708	0.272	1000	✓	1000												
6	285	1130	0.281	800	✓	800												
7	286	1135	0.508	600	✓	600												
8	287	1136	1.257	400	✓	400												
9	288	1137	1.915	300	✓	300							✓					
10	289	1176	2.547	250	✓	250												
11	290	1235	3.315	200	✓	200							✓					
12	291	1334	3.989	150	✓	150							✓					
13	292	1336	4.431	125	✓	125												
14	293	1344	5.239	100	✓	100							✓					
15	294	1350	6.153	75	✓	75							✓					
16	295	1352	6.341	50	✓	50							✓					
17	296	1353	7.091	30	✓	30							✓					
18	297	1389	5.946	20	✓	20							✓					
19	298	1391	5.861	10	✓	10							✓					
20	299	1393	5.838	4	✓	4	✓	✓	✓				✓	✓				
21																		
22																		
23																		
24																		

Comments:

SHIP: JOHN P JULY
ENTERED BY: HK
CHECKED BY:

Bottom Depth: 3500

Cast # down: 54
Cast # up:

Time	LOC	UTC
Begin:		09:37
Bottom:		10:07
End:		10:50

START POSITION (GPS)
LAT: 51 19.00
LONG: 135 15.02

BOTTOM POSITION (GPS)
LAT: 51 18.95
LONG: 135 15.11

END POSITION (GPS)
LAT: 51 18.89
LONG: 135 15.06

ROSETTE LOG

MISSION ID: 2004-20 STATION: JS CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 31/08/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		ALK		CHL		
1	303			1000	1000	✓												
2	304			800	803	✓												
3	305			600	600	✓												
4	306			400	400	✓												
5	307			4	4	✓												
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: John A. Miller
ENTERED BY: H.M
CHECKED BY:

Bottom Depth:

Cast # down: 59
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		0142
End:		0211

START POSITION (GPS)
LAT: 51 27.50
LONG: 132 23.98

BOTTOM POSITION (GPS)
LAT: 51 27.51
LONG: 132 23.98

END POSITION (GPS)
LAT: 51 27.51
LONG: 132 24.01

ROSETTE LOG

MISSION ID: 2004-20

STATION: SS1

CAST NUMBER: 62

UTC DATE (dd/mm/yyyy): 31/08/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		POC	BSi	DWT	gas
							OXY				ALK		CHL				
1	309	364	1.172	B-5	-3/488	✓	✓	✓						✓	✓	✓	
2	310	535	1.143	B-20	471	✓								✓	✓	✓	
3	311	572	1.175	450	450	✓											
4	312	657	1.182	450	450												
5	313	708	1.252	400	399												
6	314	1130	1.356	350	348												
7	315	1135	1.615	300	299												✓
8	316	1136	2.001	250	249												
9	317	1137	1.990	250	249												
10	318	1176	2.401	200	200											✓	BAD END POINT
11	319	1235	2.860	175	174												
12	320	1334	3.159	150	150											✓	
13	321	1336	3.783	125	124												
14	322	1344	5.041	100	99											✓	
15	323	1350	5.769	75	75			✓								✓	
16	324	1352	4.879	50	50											✓	
17	325	1353	5.724	30	29											✓	
18	326	1389	5.852	20	19											✓	
19	327	1391	5.991	10	10											✓	
20	328	1393	6.037	4	4	✓	✓	✓				✓				✓	
21																	
22																	
23																	
24																	

SHIP: SP Tully
ENTERED BY: 7W.
CHECKED BY:

Bottom Depth: 496

Cast # down: 62

Cast # up:

Time ~~LOG~~ UTC
Begin: 1300
Bottom: 1309
End: 1338

START POSITION (GPS)
LAT: S1 12.02
LONG: 129 59.97

BOTTOM POSITION (GPS)
LAT: S1 12.05
LONG: 129 59.97

END POSITION (GPS)
LAT: S1 12.12
LONG: 130 00.14

Comments:

ROSETTE LOG

MISSION ID: 2004-20 STATION: 553 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 31/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		POC	BSC	DWT	gases	
1	330	1138	1.795	B-5	✓	287	✓	✓	✓					✓	✓	✓		
2	331	1175	1.783	B-20	✓	272	✓							✓	✓	✓		
3	332	1195	1.775	250	✓		✓										✓	
4	333	1206	2.103	200	✓												✓	
5	334	1212	2.472	175	✓													
6	335	1228	2.941	150	✓												✓	
7	336	1231	3.369	125	✓													
8	337	1319	3.626	100	✓			✓									✓	
9	338	1351	3.609	75	✓												✓	
10	339	1354	4.620	50	✓												✓	
11	340	1384	4.604	30	✓												✓	
12	341	1403	5.201	20	✓												✓	
13	342	1404	5.824	10	✓												✓	
14	343	1406	6.075	4	✓		✓	✓	✓				✓				✓	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JP Tully
 ENTERED BY: FW
 CHECKED BY: MR

Bottom Depth: 295

Cast # down: 65
 Cast # up: 65

Time	LOC	UTC
Begin:		1735
Bottom:		1742
End:		1759

START POSITION (GPS)
 LAT: 51° 14.53
 LONG: 129° 21.05

BOTTOM POSITION (GPS)
 LAT: 51° 14.60
 LONG: 129° 21.16

END POSITION (GPS)
 LAT: 51° 14.77
 LONG: 129° 21.31

Comments: _____

ROSETTE LOG

MISSION ID: 2004-20

STATION: 885

CAST NUMBER: 67

UTC DATE (dd/mm/yyyy):

31/08/04

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		POC	BSI	DWT	grain	
1	345	1142	1.831	B-5	✓	198	✓	✓	✓					✓	✓	✓		
2	346	1146	1.789	B-10	✓	193	✓											near sponge reef
3	347	1233	1.755	B-20	✓	183	✓							✓	✓	✓	✓	
4	348	1237	2.059	150	✓	150												
5	349	1238	2.667	125	✓	125											✓	
6	350	1241	3.368	100	✓	100											✓	
7	351	1247	3.411	75	✓	75											✓	
8	352	1248	3.780	50	✓	50											✓	
9	353	1258	3.848	* 40	✓	40											✓	* DEPTHS WRONG
10	354	1260	4.090	* 30	✓	30											✓	* 14 COMP. FILE
11	355	1279	4.811	20	✓	20		✓	✓			✓					✓	
12	356	1280	6.303	10	✓	10											✓	
13	357	1281	7.214	4	✓	4	✓	✓	✓			✓					✓	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ORANGE RACK

SHIP: JP Tully
ENTERED BY: JLO
CHECKED BY:

Bottom Depth: 203

Cast # down: 67

Cast # up:

Time	LOC	UTC
Begin:		2207
Bottom:		2212
End:		2226

START POSITION (GPS)
LAT: 51.2794
LONG: 128.2991BOTTOM POSITION (GPS)
LAT: 51.27.93
LONG: 128.29.90END POSITION (GPS)
LAT: 51.27.90
LONG: 128.29.93

ROSETTE LOG

MISSION ID: 2004-20 STATION: SS7 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): 01/09/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		POC	BSi	DAT	gas	
1	359	364	2.297	B-5	118	✓	✓	✓						✓	✓	✓		
2	360	535	2.412	B-20	102	✓								✓	✓	✓	✓	
3	361	572	2.377	100	102	✓											✓	ODD END POINT
4	362	657	2.662	75	74												✓	
5	363	708	3.794	50	49												✓	
6	364	1130	5.117	30	29												✓	WRONG DEPTH in computer
7	365	1135	5.495	20	19												✓	
8	366	1136	5.845	10	9												✓	
9	367	1137	6.113	4	3	✓	✓	✓					✓				✓	
10																		
11																		
12																		
13																		
14																		
15								✓										
16								✓										
17								✓										
18								✓										
19								✓										
20								✓										
21								✓										
22								✓										
23								✓										
24								✓										

SHIP: JP Tully
 ENTERED BY: RLS
 CHECKED BY:

Bottom Depth: 124

Cast # down: 69
 Cast # up:

Time ~~LOC~~ UTC
 Begin: 0200
 Bottom: 0202
 End: 0212

START POSITION (GPS)
 LAT: 51 24.78
 LONG: 127 47.61

BOTTOM POSITION (GPS)
 LAT: 51 24.78
 LONG: 127 47.62

END POSITION (GPS)
 LAT: 51 24.77
 LONG: 127 47.61

Comments:

ROSETTE LOG

MISSION ID: 2004-20

STATION: RI 1

CAST NUMBER: 70

UTC DATE (dd/mm/yyyy): 1/Sep/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK.		CHL						
1	368	1138	2.256	8-5	✓ 324	✓		✓										FLAMES
2	369	1175	2.245	300	✓	✓		✓										F
3	370	1195	2.289	250	✓	✓		✓										F
4	371	1206	2.272	200	✓			✓										
5	372	1212	2.282	175	✓													
6	373	1228	2.344	150	✓													F
7	374	1231	2.272	125	✓													
8	375	1319	2.285	100	100													
9	376	1351	2.818	75	74													
10	377	1354	3.515	50	49													
11	378	1384	4.408	30	30													
12	379	1403	5.239	20	19													
13	380	1404	4.985	10	10													
14	381	1406	4.923	4	3	✓		✓				✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: JP Tully

ENTERED BY: JW

CHECKED BY: MR

Bottom Depth:

Cast # down: 70

Cast # up:

Time	LOC	UTC
Begin:		0307
Bottom:		0313
End:		0334

START POSITION (GPS)

LAT: 51 26.40

LONG: 127 38.17

BOTTOM POSITION (GPS)

LAT: 51 26.39

LONG: 127 38.20

END POSITION (GPS)

LAT: 51 26.39

LONG: 127 38.19

ROSETTE LOG

MISSION ID: 2004-20 STATION: R 4 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 1/9/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	384	1417	2.480	Bot-5	✓ 294	✓	✓	✓										
2	385	1421	2.550	250	✓	✓												
3	386	1422	2.545	200	✓	✓												
4	387	1424	2.498	175	✓													
5	388	1425	2.427	150	✓													
6	389	1426	2.043	125	✓													
7	390	1427	2.237	100	✓													
8	391	1430	3.021	75	✓													
9	392	1431	3.792	50	✓													
10	393	1455	4.158	30	✓			✓										
11	394	1456	4.156	20	✓													
12	395	1457	4.171	10	✓													
13	396	1459	5.763	4	✓	✓	✓	✓					✓					
14																		
15																		
16																		
17																		
18								3										
19								0	✓									
20								L	U									
21								L	A									
22								E	R									
23								✓										
24																		

Comments:

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

Bottom Depth: 301

Cast # down: 73
Cast # up: 73

Time	LOC	UTC
Begin:		0628
Bottom:		0635
End:		0654

START POSITION (GPS)
LAT: 51 38.90
LONG: 127 26.71

BOTTOM POSITION (GPS)
LAT: 51 38.90
LONG: 127 26.70

END POSITION (GPS)
LAT: 51 38.88
LONG: 127 26.70