

ROSETTE LOG

MISSION ID: 2005-01 STATION: SIO3 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 11/02/2005

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	1	1216	0	Bot	✓ 213	✓	✓	✓										bubble in flask prior to titration (anoxic anyway)
2	2		0	200	✓ 201													
3	3		0	175	✓													
4	4	1225	0.044	150	✓													Wrong depth in oxy comp
5	5	1228	0.100	125	✓ 124													
6	6	1231	0.502	100	✓													
7	7	1233	3.897	75	✓													
8	8	1235	4.361	50	✓ 51													
9	9	1237	4.951	25	✓													
10	10	1238	5.288	10	✓													
11	11	1241	5.596	5	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Changed the magnetic stirrer

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

Bottom Depth: 218

Cast # down: 1
Cast # up:

Time	LOC	UTC
Begin:		1716
Bottom:		1720
End:		

START POSITION (GPS)
LAT: 48°37.06
LONG: 123°29.64

BOTTOM POSITION (GPS)
LAT: 48°37.09
LONG: 123°29.68

END POSITION (GPS)
LAT: 48°37.
LONG: 123°29

ROSETTE LOG

MISSION ID: 2005-01

STATION: P2

CAST NUMBER: 3

UTC DATE (dd/mm/yyyy): 12/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	gas					
1	13	1216	4.840	Bot-10	✓ 113	✓	✓	✓					✓					
2	14	1223	5.704	100	✓	✓	✓	✓										
3	15	1225	5.836	75	✓	✓	✓	✓										915= 5.832 ml/L
4	16	1228	5.815	75	✓	✓	✓	✓										Flask # 1224
5	17	1231	5.819	50	✓	✓	✓	✓										
6	18	1233	5.979	25	✓	✓	✓	✓										
7	19	1238	6.150	10	✓	✓	✓	✓					✓	✓				
8	20	1237	6.212	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: ST

Bottom Depth: 117

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:		0903
Bottom:		0908
End:		

START POSITION (GPS)
LAT: 48 36.03
LONG: 125 59.71

BOTTOM POSITION (GPS)
LAT: 48 36.02
LONG: 125 59.74

END POSITION (GPS)
LAT: 48 36.00
LONG: 125 59.80

Comments:

DEEP CAST

ROSETTE LOG

MISSION ID: 2005-01

STATION: P4

CAST NUMBER: 6

UTC DATE (dd/mm/yyyy):

12-Feb-05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13			ALK	CHL	gao	
1	22	1385	0.567	Bot-10	1300	✓	✓	✓		✓		✓					✓	
2	23	1386	0.309	1250	1000	✓	✓	✓		✓							✓	
3	24	1389	0.332	1000	1000	✓	✓	✓		✓							✓	
4	25	1391	0.334	800	800	✓	✓	✓		✓							✓	
5	26	1394	0.371	800	800												✓	
6	27	1397	0.658	600	600												✓	
7	28	1398	1.332	400	398												✓	
8	29	1399	2.005	300	300												✓	
9	30	1400	NO SAMPLE	250	250												✓	
10	31	1402	2.713	200	201												✓	
11	32	1403	2.583	175	175												✓	
12	33	1404	2.808	150	152												✓	
13	34	1406	3.201	125	125												✓	
14	35	1410	4.613	100	102												✓	
15	36	1411	5.689	75	75												✓	
16	37	1417	6.204	50	50												✓	
17	38	1421	6.167	25	25												✓	
18	39	1434	6.310	10	10												✓	
19	40	1424	6.294	5	5												✓	
20																		
21	925	1393	0.394															
22																		
23																		
24																		

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: H.M.

Bottom Depth: 1325

Cast # down: 6

Cast # up:

Time	LOC	UTC
Begin:		1400
Bottom:		1426
End:		1509

START POSITION (GPS)

LAT: 48 38 96

LONG: 126 39 70

BOTTOM POSITION (GPS)

LAT: 48 39 29

LONG: 126 40 07

END POSITION (GPS)

LAT: 48 39 85

LONG: 126 40 34

Comments:

ROSETTE LOG

MISSION ID: 2005-01

STATION: P4

CAST NUMBER: 10

UTC DATE (dd/mm/yyyy): 12/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
1	41			200	✓			✓	✓								
2	42			175	✓												
3	43			150	✓												
4	44			100	✓												
5	45			75	✓												
6	46			50	✓												
7	47			40	✓												
8	48			30	✓												
9	49			25	✓												
10	50			20	✓												
11	51			15	✓												
12	52			10	✓												
13	53			5	✓												
14	54			0													
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

SHIP: JOHN P. KELLY

ENTERED BY: MR

CHECKED BY: SR

Bottom Depth: 1325

Cast # down: 10

Cast # up: 11

Time LOC UTC

Begin: 2045

Bottom: 2048

End: 2104

START POSITION (GPS)

LAT: 48°38'99"

LONG: 126°39'84"

BOTTOM POSITION (GPS)

LAT: 48°39'01"

LONG: 126°39'90"

END POSITION (GPS)

LAT: 48°39'18"

LONG: 126°40'24"

ROSETTE LOG

MISSION ID:

2005-01

STATION:

P8

CAST NUMBER:

15

UTC DATE (dd/mm/yyyy):

13/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	58	1216	1.951	Bot-10	✓ 2533	✓	✓	✓										
2	59	1223	1.489	2000	✓													
3	60	1224	0.696	1500	✓													
4	61	1225	0.412	1250	✓													
5	62	1228	0.301	1000	✓									✓				
6	63	1231	0.275	800	✓									✓				
7	64	1233	0.577	600	✓													BAD FLAKES
8	65	1235	0.599	600	✓	✓	✓	✓						✓				FLAKES
9	66	1238	1.545	400	✓									✓				FLAKES
10	67	1241	2.559	300	✓									✓				BAD FLAKES
11	68	1247	3.049	250	✓									✓				FLAKES
12	69	1248	3.775	200	✓									✓				FLAKES
13	70	1258	4.189	175	✓									✓				FLAKES
14	71	1260	4.505	150	✓									✓				FLAKES
15	72	1270	6.439	125	✓									✓	✓			FLAKES
16	73	1279	4.644	100	✓									✓	✓			BAD FLAKES
17	74	1280	6.554	75	✓									✓	✓			
18	75	1281	7.184	50	✓									✓	✓			
19	76	1284	6.629	25	✓									✓	✓			
20	77	1295	6.638	10	✓									✓	✓			
21	78	1334	6.588	5	✓									✓	✓			
22																		
23	965	1237	0.540	600														FLAKES
24																		

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: S.T.

Bottom Depth: 2440

Cast # down: 15

Cast # up:

Time LOC UTC

Begin: 1020

Bottom: 1057

End: 1144

START POSITION (GPS)

LAT: 48°48.97

LONG: 128°39.46

BOTTOM POSITION (GPS)

LAT: 48°49.04

LONG: 128°39.78

END POSITION (GPS)

LAT: 48°49.01

LONG: 128°40.38

Comments:

ROSETTE LOG

MISSION ID: 2005-01

STATION: P12

CAST NUMBER: 21

UTC DATE (dd/mm/yyyy):

X 2530

14-Feb-05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		Go's		PH		
1	82	1216	2.490	Bot-10	✓ 3236	✓	✓	✓		✓					✓			
2	83	1223	2.343	3000	✓ 3000													
3	84	1224	2.017	2500	✓ 2500													
4	85	1225	1.400	2000	✓ 2000													
5	86	1228	0.748	1500	✓ 1500													
6	87	1231	0.441	1250	✓ 1250													SN
7	88	1233	0.324	1000	✓ 1000	✓	✓	✓		✓					✓			988 = 0363 ml/l
8	89	1235	0.363	1000	✓ 1000										✓			
9	90	1237	0.311	800	✓ 800							✓			✓			
10	91	1238	0.629	600	✓ 600							✓			✓			
11	92	1241	0.477	400	✓ 400							✓			✓			
12	93	1247	1.156	300	✓ 300							✓						
13	94	1248	1.681	250	✓ 250							✓			✓			(note to self - check sample #'s in oxy computer)
14	95	1258	2.138	200	✓ 200							✓			✓			
15	96	1260	2.786	175	✓ 175							✓			✓			
16	97	1270	2.824	150	✓ 150							✓			✓			
17	98	1279	3.775	125	✓ 125							✓			✓			
18	99	1280	4.361	100	✓ 100							✓			✓			
19	100	1281	5.890	75	✓ 75							✓			✓			
20	101	1284	6.629	50	✓ 50							✓			✓			
21	102	1295	6.615	25	✓ 25							✓			✓			(55-check 6.635 ml/l) 5
22	103	1334	6.582	10	✓ 10							✓			✓			
23	104	1335	6.616	5														
24			6.635															

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: HM

Bottom Depth: 3243

Cast # down: 21

Cast # up:

Time LOC UTC

Begin: 0104

Bottom: 0135

End: 0236

START POSITION (GPS)

LAT: 48 58.04

LONG: 130 39.67

BOTTOM POSITION (GPS)

LAT: 48 58.09

LONG: 130 39.65

END POSITION (GPS)

LAT: 48 58.12

LONG: 130 39.54

Comments: Nice job pickling + shaking oxy's!

I forgot to enter the replicate for 988 + everything should be shifted up one space. Fixed in computer. S.T.

ROSETTE LOG

SHALLOW CAST

MISSION ID: 2005-01

STATION: P12

CAST NUMBER: 23

UTC DATE (dd/mm/yyyy): 14 02 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	DMS	PH				
1	105			200	✓	203							✓	✓				
2	106			175	✓													
3	107			150	✓													
4	108			100	✓													
5	109			75	✓													
6	110	*		50	✓													NO TRIP #
7	111			40	✓													
8	112			30	✓													
9	113			25	✓													
10	114			20	✓													
11	115			15	✓													
12	116			10	✓													
13	117			5	✓	0												
14	118			0	✓	S												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 3107

Cast # down: 23

Cast # up:

Time	LOC	UTC
Begin:	2105	0505
Bottom:	2109	0509
End:	2130	0530

START POSITION (GPS)
LAT: 48 58 00
LONG: 130 39 758

BOTTOM POSITION (GPS)
LAT: 48 57 886
LONG: 130 39 758

END POSITION (GPS)
LAT: 48 57 943
LONG: 130 40 093

Comments:

* * #6 no trip - bottom lid caught on post

ROSETTE LOG

DEEP CAST

MISSION ID: 2005-01

STATION: P16

CAST NUMBER: 29

UTC DATE (dd/mm/yyyy):

15/02/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13	ph	ALK	ONE			
1	122	1216	2.905	Bot-10	✓	3686	✓											
2	123	1223	2.717	3500	✓	3500												
3	124	1224	2.321	3000	✓	3000												Flakes
4	125	1225	1.829	2500	✓	2500												Flakes
5	126	1228	1.284	2000	✓	2000												
6	127	1231	0.540	1500	✓	1500												Flakes
7	128	1233	0.352	1250	✓	1250	✓	✓	✓	✓								Flakes
8	129	1235	0.313	1250	✓	1250												Flakes
9	130	1237	0.256	1000	✓	1000												Flakes
10	131	1238	0.303	800	✓	800												Flakes
11	132	1241	0.713	600	✓	600												Flakes
12	133	1247	1.693	400	✓	400												Flakes
13	134	1248	2.417	300	✓	300												Flakes
14	135	1258	2.896	250	✓	250												"
15	136	1260	3.898	200	✓	200												"
16	137	1270	4.546	175	✓	175												"
17	138	1279	5.172	150	✓													Flakes
18	139	1280	5.513	125	✓													
19	140	1281	6.305	100	✓													Flakes
20	141	1284	6.779	75	✓													Flakes
21	142	1295	6.772	50	✓													
22	143	1334	6.762	25	✓													
23	144	1335	6.764	10	✓													
24	145	1336	6.755	5	✓													

SHIP: TULLY

ENTERED BY: MR

CHECKED BY: URM

Bottom Depth: 3638

Cast # down: 29

Cast # up:

Time	LOC	UTC
Begin:		1402
Bottom:		1450
End:		1600

START POSITION (GPS)

LAT: 49 16 99

LONG: 134 39 95

BOTTOM POSITION (GPS)

LAT: 49 16 60

LONG: 134 40 25

END POSITION (GPS)

LAT: 49 16 16

LONG: 134 41 01

Comments:

Flakes in quite a few flasks; All titrated OK though

ROSETTE LOG

MISSION ID: 2005-01 STATION: P16 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 15/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY		AMS	ALK		CHL						
1	146			200	✓			✓	✓									
2	147			175	✓													
3	148			150	✓													
4	149			100	✓													
5	150			75	✓													
6	151			50	✓													
7	152			40	✓													
8	153			30	✓													
9	154			25	✓													
10	155			20	✓													
11	156			15	✓													
12	157			10	✓													
13	158			5	✓													
14	159			0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
 ENTERED BY: ST MR
 CHECKED BY:

Bottom Depth: 3637

Cast # down: 34
 Cast # up:

Time	LOC	UTC
Begin:		<u>2008</u>
Bottom:		<u>2011</u>
End:		

START POSITION (GPS)
 LAT: 49°17'04
 LONG: 134°39'77

BOTTOM POSITION (GPS)
 LAT: 49°17'05
 LONG: 134°39'73

END POSITION (GPS)
 LAT: 49°17
 LONG: 134°39

Comments:

ROSETTE LOG

MISSION ID: 2005-01

STATION: P18

CAST NUMBER: 37

UTC DATE (dd/mm/yyyy): 16 02 2005

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	161			2000	✓ 2000	✓													
2	162			2000	✓														
3	163			2000	✓														
4	164			2000	✓														
5	165			2000	✓														
6	166			2000	✓														
7	167			2000	✓														
8	168			2000	✓														
9	169			2000	✓														
10	170			2000	✓														
11	171			2000	✓														
12	172			2000	✓														
13	173			2000	✓														
14	174			2000	✓														
15	175			2000	✓														
16	176			2000	✓														
17	177			2000	✓														
18	178			2000	✓														
19	179			2000	✓														
20	180			2000	✓														
21	181			2000	✓														
22	182			2000	✓														
23	183			2000	✓														
24	184			5	✓			✓				✓							

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

Bottom Depth: 3822

Cast # down: 37
Cast # up:

Time	LOC	UTC
Begin:	2144	0544
Bottom:	2203	0603
End:	2240	0640

START POSITION (GPS)
LAT: 49 26 021
LONG: 136 40 063

BOTTOM POSITION (GPS)
LAT: 49 26 016
LONG: 136 40 216

END POSITION (GPS)
LAT: 49 25 944
LONG: 136 40 793

Comments:

ROSETTE LOG

DEEP CAST

MISSION ID: 2005-01 STATION: P20 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 16 Feb 2005

MISSION ID:

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3	CHL	PH					
1	186	1216	3.039	bot-10	✓	4029	✓	✓	✓		✓								
2	187	1223	2.857	3500	✓		✓	✓	✓		✓								
3	188	1224	2.454	3000	✓		✓	✓	✓		✓								
4	189	1225	2.443	3000	✓		✓	✓	✓		✓								
5	190	1231	1.910	2500	✓														
6	191	1233	1.216	2000	✓														
7	192	1337	0.509	1500	✓														
8	193	1235	0.308	1250	✓								✓						
9	194	1237	0.267	1000	✓							✓	✓						
10	195	1238	0.330	800	✓							✓	✓						
11	196	1241	0.472	600	✓							✓	✓						
12	197	1247	1.300	400	✓							✓	✓						
13	198	1248	1.939	300	✓							✓	✓						
14	199	1258	2.562	250	✓							✓	✓						
15	200	1260	3.639	200	✓							✓	✓						
16	201	1270	3.815	175	✓							✓	✓						
17	202	1279	4.392	150	✓							✓	✓						
18	203	1280	5.028	125	✓							✓	✓						
19	204	1281	6.763	100	✓							✓	✓						
20	205	1284	6.784	75	✓							✓	✓						
21	206	1285	6.817	50	✓							✓	✓						
22	207	1334	6.786	25	✓							✓	✓						
23	208	1335	6.817	10	✓							✓	✓						
24	209	1336	6.834	5	✓							✓	✓						

Flask # 9189
1228 = 2.463

bubble on lens

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY: H.M.

Bottom Depth: 3960

Cast # down: 39

Cast # up:

TimeLOCUTC

Begin:1520

Bottom:1558

End:09001700

START POSITION (GPS)

LAT: 49 34 16

LONG: 138 40 10

BOTTOM POSITION (GPS)

LAT: 49 34 297

LONG: 138 40 416

END POSITION (GPS)

LAT: 49 34 588

LONG: 138 40 992

Comments: Bad Flakes in almost all samples - seemed to all titrate OK though. S.T.

ROSETTE LOG

SHALLOW CAST

MISSION ID: 2005-01

STATION: P20

CAST NUMBER: 44

UTC DATE (dd/mm/yyyy):

16/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	PH	TCO	ALK	C13	CHL					
1	210			200	✓			✓	✓				✓					
2	211			175	✓													
3	212			150	✓													
4	213			100	✓								✓					
5	214			75	✓													
6	215			50	✓													
7	216			40	✓													
8	217			30	✓													
9	218			25	✓			✓										
10	219			20	✓													
11	220			15	✓													
12	221			10	✓													
13	222			5	✓													
14	223			0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JOHN A TULLY
ENTERED BY: MK
CHECKED BY: ST

Bottom Depth:

Cast # down: 44
Cast # up:

Time	LOC	UTC
Begin:		2104
Bottom:		2106
End:		2119

START POSITION (GPS)
LAT: 49.34.09
LONG: 138.39.97

BOTTOM POSITION (GPS)
LAT: 49.34.12
LONG: 138.39.99

END POSITION (GPS)
LAT: 49.34.33
LONG: 138.40.12

ROSETTE LOG

MISSION ID: 2005-01 STATION: P26 CAST NUMBER: 52 UTC DATE (dd/mm/yyyy): 18 Feb 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		GAS				
						OXY				ALK		CHL		PH				
1	230			200	✓					✓				✓	✓			
2	231			175	✓													
3	232			150	✓													
4	233			100	✓								✓					
5	234			75	✓													
6	235			50	✓													
7	236			40	✓													
8	237			30	✓													
9	238			25	✓													
10	239			20	✓													
11	240			15	✓													
12	241			10	✓													
13	242			5	✓													
14	243			0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4250

Cast # down: 52
Cast # up:

Time	LOC	UTC
Begin:	2015	0415
Bottom:	2020	0420
End:	2035	0435

START POSITION (GPS)
LAT: 50 00 176
LONG: 145 00 084

BOTTOM POSITION (GPS)
LAT: 50 00 233
LONG: 145 00 143

END POSITION (GPS)
LAT: 50 00 539
LONG: 145 00 530

ROSETTE LOG

MISSION ID:

2005-01

STATION:

P26

CAST NUMBER:

56

UTC DATE (dd/mm/yyyy):

18 Feb 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		GAS				
							OXY		DMS	ALK		CHL		pH				
1	244			200	✓ 200				✓					✓	✓			
2	245			175	✓ 175				✓					✓				
3	246			150	✓ 150				✓					✓				
4	247			100	✓ 100				✓					✓				
5	248			75	✓ 75				✓					✓				
6	249			50	✓ 50				✓					✓				
7	250			40	✓ 40				✓					✓				
8	251			30	✓ 30				✓					✓				
9	252			25	✓ 25				✓					✓				
10	253			20	✓ 20				✓					✓				
11	254			15	✓ 15				✓					✓				
12	255			10	✓ 10				✓					✓				
13	256			5	✓ 5				✓					✓				
14	257			0	✓ 0				✓					✓				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JOHN A TULLY
ENTERED BY: M.R.
CHECKED BY: H.M.

Bottom Depth: 4050

Cast # down: 56
Cast # up:

Time	LOC	UTC
Begin:	49	1308
Bottom:		1312
End:		1329

START POSITION (GPS)
LAT: 49 59 98
LONG: 145 00 10

BOTTOM POSITION (GPS)
LAT: 49 59 98
LONG: 145 00 17

END POSITION (GPS)
LAT: 49 59 84
LONG: 145 00 37

ROSETTE LOG

MISSION ID: 2005-01

STATION: P26

CAST NUMBER: 57

UTC DATE (dd/mm/yyyy):

18 02 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		GTH				
1	258	1216	3.354	Bot to	✓	4313	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N.G 78% GHD Pt.
2	259	1223	3.153	4000	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	260	1224	2.890	3500	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
4	261	1225	2.505	3000	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
5	262	1228	1.899	2500	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	263	1233	1.293	2000	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
7	264	1231	0.623	1500	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	265	1235	0.434	1250	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	266	1237	0.378	1000	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Whoops
10	267	1238	0.375	800	✓	820	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	268	1241	0.455	600	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	269	1247	0.929	400	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
13	270	1248	1.406	300	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
14	271	1260	1.949	250	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
15	272	1270	2.570	200	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	273	1279	3.290	175	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
17	274	1280	3.888	150	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	275	1281	5.242	125	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
19	276	1284	6.901	100	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
20	277	1295	6.975	75	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FLAKES
21	278	1334	6.912	50	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
22	279	1335	6.954	25	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
23	280	1336	6.966	10	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
24	281	1337	6.954	5	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Comments:

9270/1258 1.364 300m Water Depth 4328m Niskin 10 fired @ 820m

SHIP: JOHN PULLY
ENTERED BY: MR
CHECKED BY: H.M

Bottom Depth:

Cast # down: 57

Cast # up: 57

Time LOC UTC
Begin: 0734 1534
Bottom: 0815 1615
End: 0928 1728

START POSITION (GPS)
LAT: 49 59 99
LONG: 144 59 56

BOTTOM POSITION (GPS)
LAT: 49 59 809
LONG: 144 59 810

END POSITION (GPS)
LAT: 49 58 825
LONG: 145 00 468

ROSETTE LOG

MISSION ID: 2005 01

STATION: P26

CAST NUMBER: 60

UTC DATE (dd/mm/yyyy):

18/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		ALK		CHL			
1	282			200	✓ 202														
2	283			175	✓														
3	284			150	✓														
4	285			100	✓ 101														
5	286			75	✓														
6	287			50	✓														
7	288			40	✓														
8	289			30	✓														
9	290			25	✓														
10	291			20	✓														
11	292			15	✓														
12	293			10	✓														
13	294			5	✓														
14	295			0															
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY:

Bottom Depth: 329

Cast # down: 60

Cast # up:

Time LOC UTC

Begin: 2004

Bottom: 2008

End: 2022

START POSITION (GPS)

LAT: 49 59 36

LONG: 145 00 01

BOTTOM POSITION (GPS)

LAT: 49 59 40

LONG: 145 00 06

END POSITION (GPS)

LAT: 49 59 59

LONG: 145 00 30

Comments:

ROSETTE LOG

MISSION ID: 2005-01 STATION: Ago 1 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 19/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		PH				
							OXY			ALK		CHL						
1	296	1216	1.267	2000	✓	✓												
2	297	1223	0.529	1500	✓	✓												
3	298	1224	0.430	1250	✓	✓												
4	299	1225	0.390	1000	✓													
5	300	1228	0.558	800	✓													
6	301	1231	0.772	600	✓													
7	302	1235	1.194	400	✓													
8	303	1237	1.945	300	✓													
9	304	1238	2.809	250	✓													
10	305	1241	4.283	200	✓													
11	306	1247	4.887	175	✓													
12	307	1248	5.666	150	✓													
13	308	1248	6.629	125	✓													
14	309	1260	6.729	100	✓									✓				
15	310	1270	6.651	75	✓									✓				
16	311	1279	6.886	50	✓									✓				
17	312	1280	6.893	25	✓	✓								✓				
18	313	1281	6.885	10	✓	✓								✓				
19	314	1284	6.884	5	✓	✓								✓				
20																		
21	9300	1233	0.528	800														
22																		
23																		
24																		

Comments:

SHIP: JOHN PULLY
ENTERED BY: MR
CHECKED BY: ST

Bottom Depth:

Cast # down: 62
Cast # up:

Time	LOC	UTC
Begin:		1046
Bottom:		1104
End:		1144

START POSITION (GPS)
LAT: 48°14'96"
LONG: 146°54'90"

BOTTOM POSITION (GPS)
LAT: 48°14'78"
LONG: 146°55'02"

END POSITION (GPS)
LAT: 48°14'47"
LONG: 146°54'92"

ROSETTE LOG

MISSION ID: 2005-01

STATION: PIE 92

CAST NUMBER: 65

UTC DATE (dd/mm/yyyy):

19/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		GA					
						OXY				ALK		CHL		p4					
1	315	1216	3.185	4000	✓ 4880	✓													
2	316	1223	3.220	3500	✓ 4000	✓													
3	317	1225	2.990	3000	✓ 3500	✓													
4	318	1228	2.668	2500	✓ 3000														
5	319	1231	1.921	2000	✓ 2500														
6	320	1233	1.221	1500	✓ 2000														
7	321	1235	0.511	1250	✓ 1500														
8	322	1237	0.401	1000	✓ 1250														
9	323	1238	0.408	800	✓ 1000														
10	324	1241	0.510	600	✓ 800														
11	325	1247	0.735	400	✓ 600														
12	326	1248	1.324	300	✓ 400														
13	327	1258	2.010	250	✓ 300														
14	328	1260	2.802	200	✓ 250														
15	329	1270	4.558	175	✓ 200														
16	330	1280	5.718	150	✓ 175														
17	331	1281	6.421	125	✓ 150														
18	332	1284	6.596	100	✓ 125														
19	333	1295	6.768	75	✓ 100														
20	334	1334	6.768	50	✓ 75														
21	335	1335	6.800	25	✓ 50														
22	336	1336	6.822	10	✓ 25														
23	337	1337	6.822	5	✓ 10														
24	338	1338	6.827		✓ 5														

SHIP: JOHN P. TULLY
ENTERED BY: M.L.
CHECKED BY: ST/HM

Bottom Depth: 4800 ~ 4890

Cast # down: 65
Cast # up:

Time LOC UTC
Begin: 2310
Bottom: 2353
End: 0109

START POSITION (GPS)
LAT: 47 00 37
LONG: 145 43 45

BOTTOM POSITION (GPS)
LAT: 47 00 94
LONG: 145 48 79

END POSITION (GPS)
LAT: 47 02 10
LONG: 145 48 55

Comments:

Hugh Maclean is the best oxygen flask shaker! Perfect oxy. samples - not 1 flake!!

ROSETTE LOG

MISSION ID: 2005-01 STATION: PIE 95 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 20 FEB 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		625				
							OXY			ALK		CHL		9.1				
1	340	1216	3.219	Bot-10	✓	4569	✓	✓										
2	341	1223	3.175	4000	✓		✓											
3	342	1225	2.917	3500	✓		✓											
4	343	1228	2.502	3000	✓													
5	344	1231	1.866	2500	✓			✓										Flask S.N. 1233 - 9344 = 1.871 ml
6	345	1235	1.238	2000	✓													
7	346	1237	0.462	1500	✓													
8	347	1238	0.303	1250	✓													
9	348	1241	0.312	1000	✓													
10	349	1247	0.542	800	✓													
11	350	1248	1.021	600	✓	594												
12	351	1258	2.105	400	✓													
13	352	1260	3.786	300	✓	298												
14	353	1270	4.593	250	✓													
15	354	1279	5.291	200	✓	201												
16	355	1280	5.823	175	✓													
17	356	1281	6.256	150	✓													
18	357	1284	6.346	125	✓													
19	358	1295	6.716	100	✓													re-zeroed colourimeter
20	359	1334	6.582	75	✓													
21	360	1335	6.610	50	✓													
22	361	1336	6.629	25	✓		✓											
23	362	1337	6.600	10	✓		✓											
24	363	1338	6.610	5														

SHIP: JOHN P TULLY
ENTERED BY: MK
CHECKED BY: DT/ST

Bottom Depth: 4569

Cast # down: 68
Cast # up: 68

Time	LOC	UTC
Begin:	1023	1823
Bottom:	1105	1905
End:		2017

START POSITION (GPS)
LAT: 47 00 078
LONG: 142 26 273

BOTTOM POSITION (GPS)
LAT: 47 00 191
LONG: 142 26 239

END POSITION (GPS)
LAT: 47 00 67
LONG: 142 27 26

Comments: Oxygen kit # 4 colourimeter replaced with one from Kit # 2 Serial # 910-287 because it wouldn't zero no matter what I did. Note in logbook explains. ST.

ROSETTE LOG

MISSION ID: 2005-01 STATION: PIC 101 CAST NUMBER: 77 UTC DATE (dd/mm/yyyy): 22/02/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	Grds	PH				
1	392	1216	3.062	Bot -10	✓	4201	✓	✓	✓									FLAKES
2	393	1223	3.008	4000	✓		✓											F
3	394	1225	2.834	3500	✓		✓											F
4	395	1228	2.407	3000	✓													F
5	396	1231	1.904	2500	✓													F
6	397	1233	1.293	2000	✓													F
7	398	1235	0.506	1500	✓													F
8	399	1237	0.300	1250	✓													F
9	400	1238	0.242	1000	✓													F
10	401	1241	0.499	800	✓													F
11	402	1247	0.852	600	✓													F
12	403	1248	2.335	400	✓													F
13	404	1258	3.397	300	✓													F
14	405	1260	4.027	250	✓													F
15	406	1270	4.617	200	✓													F
16	407	1279	4.894	175	✓													F
17	408	1280	5.215	150	✓													F
18	409	1281	5.911	125	✓													F
19	410	1284	6.629	100	✓													F
20	411	1295	6.722	75	✓													F
21	412	1334	6.642	50	✓													F
22	413	1335	6.699	25	✓		✓											F
23	414	1336	6.689	10	✓		✓											F
24	415	1337	6.678	5			✓	✓	✓					✓	✓	✓		F

Comments: FLAKES IN ALL SAMPLES - TITRATES OK THOUGH NO XTRA ACID ADDED

SHIP: Tully

ENTERED BY: MRS

CHECKED BY: ST

Bottom Depth: 4130 4220

Cast # down: 77

Cast # up:

TimeLOCUTC

Begin:0842

Bottom:0914

End:

START POSITION (GPS)

LAT: 46.59.96

LONG: 135.44.13

BOTTOM POSITION (GPS)

LAT: 46.59.78

LONG: 135.43.98

END POSITION (GPS)

LAT: 46.59

LONG: 135.43

ROSETTE LOG

MISSION ID:

2005-01

STATION:

PIE 98

CAST NUMBER:

73

UTC DATE (dd/mm/yyyy):

21/02/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		GAS		PH		
						OXY				ALK		CHL						
1	366	1216	3.264	Bot-ro	✓ 4297	✓		✓								✓		
2	367	1223	3.125	4000	✓ 4000	✓												
3	368	1225	2.923	3500	✓ 3500	✓												
4	369	1228	2.497	3000	✓ 3000													
5	370	1231	1.899	2500	✓ 2500													
6	371	1233	1.244	2000	✓ 2000													
7	372	1235	0.489	1500	✓ 1500			✓	✓									Dupl. oxy. not taken
8	373	1237	0.317	1250	✓ 1250													
9	374	1238	0.314	1000	✓ 1000									✓				
10	375	1241	0.499	800	✓ 800													
11	376	1247	0.962	600	✓ 600													
12	377	1248	1.906	400	✓ 400									✓				
13	378	1258	2.907	300	✓													
14	379	1260	3.898	250	✓									✓				
15	380	1270	4.581	200	✓													
16	381	1279	5.052	175	✓													
17	382	1280	5.332	150	✓													
18	383	1281	5.920	125	✓													
19	384	1284	6.368	100	✓													
20	385	12915	6.632	75	✓													
21	386	13354	6.702	50	✓													
22	387	1335	6.746	25	✓													
23	388	1336	6.725	10	✓													
24	389	1337	6.726	5	✓													

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

Bottom Depth: 4219

Cast # down: 73
Cast # up:

Time	LOC	UTC
Begin:	0557	1357
Bottom:	0639	1439
End:	0751	1551

START POSITION (GPS)
LAT: 46 59 94
LONG: 139 03 70

BOTTOM POSITION (GPS)
LAT: 46 59 67
LONG: 139 03 38

END POSITION (GPS)
LAT: 46 59 293
LONG: 139 02 929

Comments: All flasks had major flakes- 2ml of acid in each sample.

ROSETTE LOG

MISSION ID: 2005-01

STATION: P1E104

CAST NUMBER: 82

UTC DATE (dd/mm/yyyy):

23/02/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		GAS					
							OXY			ALK		CHL		PH					
1	418	1216	2.731	Bot-10	✓	✓	✓	✓						✓					
2	419	1223	2.299	3000	✓	✓	✓	✓											
3	420	1225	1.908	2500	✓	✓	✓	✓											
4	421	1228	1.351	2000	✓	✓	✓	✓											
5	422	1231	0.640	1500	✓	✓	✓	✓											
6	423	1233	0.324	1250	✓	✓	✓	✓						✓					
7	424	1235	0.214	1000	✓	✓	✓	✓						✓					
8	425	1237	0.267	800	✓	✓	✓	✓						✓					
9	426	1238	0.529	600	✓	✓	✓	✓						✓					
10	427	1241	1.713	400	✓	✓	✓	✓						✓					
11	428	1248	3.016	300	✓	✓	✓	✓						✓					
12	429	1258	3.587	250	✓	✓	✓	✓						✓					FLAKES
13	430	1260	4.454	200	✓	✓	✓	✓						✓					
14	431	1270	4.623	175	✓	✓	✓	✓						✓					
15	432	1279	4.464	150	✓	✓	✓	✓						✓					
16	433	1280	5.494	125	✓	✓	✓	✓						✓					
17	434	1281	6.458	100	✓	✓	✓	✓						✓					
18	435	1284	6.518	75	✓	✓	✓	✓						✓					
19	436	1295	6.609	50	✓	✓	✓	✓						✓					FLAKES
20	437	1334	7.002	25	✓	✓	✓	✓						✓					BUBBLE on LENS
21	438	1335	6.539	10	✓	✓	✓	✓						✓					
22	439	1336	6.575	5	✓	✓	✓	✓						✓					
23																			
24	9427	1247	1.704	400															

SHIP: Tully
ENTERED BY: M.R.
CHECKED BY: H.M.

Bottom Depth: 3342

Cast # down: 82
Cast # up: 82

Time	LOC	UTC
Begin:	2000	0400
Bottom:	2030	0430
End:	2127	0527

START POSITION (GPS)
LAT: 47 00 174
LONG: 132 21 536

BOTTOM POSITION (GPS)
LAT: 47 00 202
LONG: 132 21 162

END POSITION (GPS)
LAT: 47 00 961
LONG: 132 20 348

Comments:

ROSETTE LOG

MISSION ID: 2005-01 STATION: Argo DO CAST NUMBER: 85 UTC DATE (dd/mm/yyyy): 23/02/05

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	441	364	2.130	2000	✓	2000	✓	✓										Bubble on lens
2	442	535	0.604	1500	✓	1500												
3	443	572	0.356	1250	✓	1250												
4	444	657	0.273	1000	✓	1000												
5	445	1212	0.315	800	✓	800												Sampled twice - broke (flask)
6	446	708	0.548	600	✓													
7	447	709	1.830	400	✓													
8	448	715	2.453	300	✓													
9	449	727	3.151	250	✓													
10	450	1105	4.161	200	✓													
11	451	1110	4.682	175	✓													
12	452	1126	4.968	150	✓													
13	453	1128	5.175	125	✓													
14	454	1130	6.578	100	✓													
15	455	1134	6.647	75	✓													
16	456	1135	6.697	50	✓													
17	457	1136	6.682	25	✓													
18	458	1137	6.667	10	✓													
19	459	1138	6.796	5	✓													
20																		
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: M.R.
CHECKED BY:

Bottom Depth: 2900 ?

Cast # down: 85
Cast # up:

Time	LOC	UTC
Begin:		1503
Bottom:		1523
End:		1603

START POSITION (GPS)
LAT: 47 29 92
LONG: 130 40 48

BOTTOM POSITION (GPS)
LAT: 47 29 80
LONG: 130 40 90

END POSITION (GPS)
LAT: 47 29 519
LONG: 130 41 435

Comments: BOTTLE 12 & 13 IN WRONG SLOT 16 1-6,7,8,10, 11, 18, 13, 12, 14, 15, 16, 17, 19

ROSETTE LOG

MISSION ID: 2005-01

STATION: P107

CAST NUMBER: 90

UTC DATE (dd/mm/yyyy):

24 02 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL	PH	PH	PH	PH	PH	
1	461	364	1.933	Bot-10	✓ 2572	✓												
2	462	535	1.423	2000	✓	✓												
3	463	572	0.752	1500	✓													
4	464	657	0.454	1250	✓													FLAKES
5	465	1212	0.243	1000	✓			✓	✓				✓					F
6	466	709	0.277	800	✓													
7	467	715	0.541	600	✓													
8	468	727	1.552	400	✓													
9	469	1105	2.416	300	✓													
10	470	1110	2.957	250	✓													
11	471	1126	3.854	200	✓													
12	472	1128	4.205	175	✓													
13	473	1130	4.518	150	✓													
14	474	1134	4.776	125	✓													
15	475	1135	5.580	100	✓													
16	476	1136	6.595	75	✓													
17	477	1137	6.586	50	✓													
18	478	1138	6.627	25	✓													
19	479	1142	6.633	10	✓													
20	480	1146	6.675	5	✓													
21																		
22	9465	709	1.383	1000														BUBBLE on Lens
23																		
24																		

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

Bottom Depth: 2573

Cast # down: 90
Cast # up: 90

Time LOC UTC
Begin: 2241 0641
Bottom: 2304 0704
End: 2349 0749

START POSITION (GPS)
LAT: 46 59 954
LONG: 129 22 867

BOTTOM POSITION (GPS)
LAT: 46 59 892
LONG: 129 22 960

END POSITION (GPS)
LAT: 46 59 753
LONG: 129 23 110

Comments:

ROSETTE LOG

MISSION ID: 2005-01

STATION: P1E 110

CAST NUMBER: 95

UTC DATE (dd/mm/yyyy):

24 02 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		GAS		P11		
1	483	364	1.843	Bot-10	✓	✓	✓	✓						✓				FLAKES
2	484	535	1.835	2500	✓	✓												
3	485	572	1.400	2000	✓	✓												
4	486	657	0.700	1500	✓													
5	487	1212	0.398	1250	✓													
6	488	708	0.314	1000	✓													
7	489	709	0.242	800	✓													
8	490	715	0.379	600	✓													
9	491	727	1.316	400	✓													
10	492	1105	2.115	300	✓													FLAKES
11	493	1110	2.800	250	✓													
12	494	1126	3.504	200	✓													
13	495	1128	3.387	175	✓													
14	496	1130	3.390	150	✓													
15	497	1134	3.869	125	✓													
16	498	1135	4.575	100	✓													
17	499	1136	5.491	75	✓													
18	500	1137	6.567	50	✓													
19	501	1142	6.639	25	✓													
20	502	1146	6.612	10	✓													
21	503	1153	6.618	5	✓													
22																		
23	9500	1138	6.633	50														
24																		

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY:

Bottom Depth: 2635

Cast # down: 95

Cast # up: 95

Time LOC UTC

Begin: 1037 1837

Bottom: 1101 1901

End: 1152 1952

START POSITION (GPS)

LAT: 46 59 971

LONG: 127 11 737

BOTTOM POSITION (GPS)

LAT: 47 00 161

LONG: 127 11 670

END POSITION (GPS)

LAT: 47 00 696

LONG: 127 10 994

Comments:

ROSETTE LOG

MISSION ID: 2005-01

STATION: PIE113

CAST NUMBER: 100

UTC DATE (dd/mm/yyyy):

Feb 25 2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		G-K3				
1	506	364	1.279	Bot-10	✓	1756	✓	✓	✓									BUBBLE on Lens
2	507	535	0.868	1500	✓		✓	✓	✓									
3	508	572	0.384	1250	✓		✓	✓	✓									
4	509	657	0.218	1000	✓		✓	✓	✓									
5	510	708	0.302	800	✓													
6	511	709	0.805	600	✓													
7	512	715	1.704	400	✓													
8	513	727	1.898	300	✓													
9	514	1105	2.014	250	✓													
10	515	1110	2.290	200	✓													
11	516	1126	2.346	175	✓													
12	517	1128	2.455	150	✓													
13	518	1130	2.644	125	✓													
14	519	1134	3.005	100	✓													
15	520	1135	3.565	75	✓													
16	521	1136	4.301	50	✓													
17	522	1137	6.661	25	✓													
18	523	1138	6.915	10	✓													
19	524	1142	6.825	5	✓													
20																		
21																		
22	9509	1212	0.232	1000														
23																		
24																		

Comments:

SHIP: JOHN P TULLY

ENTERED BY: MR

CHECKED BY:

Bottom Depth: 1756

Cast # down: 100

Cast # up: 100

Time	LOC	UTC
Begin:	<u>2057</u>	<u>0457</u>
Bottom:	<u>2114</u>	<u>0514</u>
End:	<u>2153</u>	<u>0553</u>

START POSITION (GPS)

LAT: 47 00 065

LONG: 125 30 212

BOTTOM POSITION (GPS)

LAT: 47 00 125

LONG: 125 30 350

END POSITION (GPS)

LAT: 47 00 282

LONG: 125 30 576