

No label for 'GAS'

ORG = DOC, DON, CDOM, TOC

ROSETTE LOG

MISSION ID: 2004-24

STATION: GB5

CAST NUMBER: 2

UTC DATE (dd/mm/yyyy):

13/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	GAS	TCO	ORG	CHL	POC	PO4	PO3	PO2	PO1	
1	1	1195	5.184	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	2			50	✓													
3	3	1175	5.260	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	4			30	✓													
5	5			CHLMAX	✓													
6	6	1271	5.848	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	7			20	✓													
8	8	1411	6.152	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	9			10	✓													
10	10	1404	5.945	S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	11			S	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

taking 2 bottles at each sample depth to make sure that we have enough water for full-suite of samples

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

Bottom Depth: 57

Cast # down: 2

Cast # up: 2

Time	LOC	UTC
Begin:		0221
Bottom:		0224
End:		0231

START POSITION (GPS)
LAT: 51 37 06
LONG: 129 19 49BOTTOM POSITION (GPS)
LAT: 51 37 02
LONG: 129 19 49END POSITION (GPS)
LAT: 51 36 95
LONG: 129 20 02

ROSETTE LOG

MISSION ID: 2004-24STATION: G84CAST NUMBER: 3

UTC DATE (dd/mm/yyyy):

GREEN RACK

13/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	DO	CO	AIK	CI3	CHL	POC	PON			
1	12	1425	2.338	B-10	178													Bubbles
2	13	1403	1.978	B-10	179	✓	✓	✓	✓	✓				✓				
3	14	1426	2.103	150	150	✓	✓	✓										
4	15	1427	3.350	100	100	✓	✓	✓	✓	✓				✓				
5	16	1430	4.619	50	50	✓	✓	✓										
6	17	1206	6.212	30	30	✓	✓	✓	✓	✓			✓	✓				
7	18	1228	6.309	20	20	✓	✓	✓	✓	✓								
8	19	1231	6.408	10	10	✓	✓	✓	✓	✓			✓	✓				
9	20	1319	6.216	S		✓	✓	✓	✓	✓			✓	✓				
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

190

Cast # down:

3

Cast # up:

3

Time LOC UTC

Begin: 0448

Bottom: 0453

End: 0508

START POSITION (GPS)

LAT: 51 27.03

LONG: 129 46.94

BOTTOM POSITION (GPS)

LAT: 51 27.04

LONG: 129 46.92

END POSITION (GPS)

LAT: 51 27.05

LONG: 129 46.92

NO LIGHT
SENSOR

ALL ORG SAMPLING FROM SAME BOTTLES

ROSETTE LOG

MISSION ID: 2004-24

STATION: MB2

CAST NUMBER:

6

UTC DATE (dd/mm/yyyy):

13 / 8 / 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	DON	TCO	ALK	ALK	CI3	CHL	PON	PON		
1	21	1351	1.330	2000	✓	1.330	✓	✓	✓	✓	✓	✓			✓			
2	22			2000	✓													
3	23	1406	0.583	1500	✓	0.583	✓	✓	✓	✓	✓	✓						
4	24	1417	0.588	1500	✓	0.588												Oxy sample 24 taken from bottle 3
5	25	1431	0.267	1000	✓		✓	✓	✓	✓	✓	✓						
6	26			1000	✓													
7	27	1421	0.889	500	✓		✓	✓	✓	✓	✓	✓						
8	28			500	✓													
9	29	1422	2.205	300	✓		✓	✓	✓	✓	✓	✓						
10	30			300	✓													
11	31	1424	3.030	200	✓		✓	✓	✓	✓	✓	✓			✓			
12	32			200	✓													
13	33	1354	3.570	100	✓		✓	✓	✓	✓	✓	✓						
14	34			100	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: ~2400

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		1153
Bottom:		1239
End:		1311

START POSITION (GPS)
LAT: 51° 26' 01"
LONG: 131° 12' 98"

BOTTOM POSITION (GPS)
LAT: 51° 26' 00"
LONG: 131° 12' 97"

END POSITION (GPS)
LAT: 51° 26' 00"
LONG: 131° 12' 98"

Comments:

ROSETTE LOG

MISSION ID: 2004-24

STATION: MB2

CAST NUMBER: 8

UTC DATE (dd/mm/yyyy):

MISSION ID: 2007-02-01

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	DON	TCO		C13		POC	PSI	PT		
							OXY				ALK		CHL	PON				
1	35	4.597	1482	10%	✓ 64	✓	✓	✓	✓	✓								1
2	36			10%	✓ 64	✓							✓	✓	✓	✓		2 did not fire leaky and problem
3	37	5.673	1384	30%	✓ 27	✓	✓	✓		✓				✓	✓	✓	✓	3
4	38			30%	✓ 17	✓								✓	✓	✓	✓	4
5	39	6.154	1212	10%	✓ 19	✓	✓	✓	✓	✓								5
6	40			10%	✓	✓								✓	✓	✓	✓	6
7	41	6.334	1138	30%	✓ 10	✓	✓	✓		✓								7
8	42			30%	✓	✓								✓	✓	✓	✓	8
9	43	5.972	1455	50%	✓ 5	✓	✓	✓	✓	✓				✓	✓	✓	✓	9
10	44			50%	✓	✓								✓	✓	✓	✓	10
11	45	5.833	1456	100%	✓ 1	✓	✓	✓	✓	✓				✓	✓	✓	✓	11
12	46			100%	✓ 1	✓								✓	✓	✓	✓	12
13	47			CHLMAX	✓ 22.8	✓												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

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

Bottom Depth: 2400

Cast # down: 8

Cast # up: 8

Time	LOC	UTC
Begin:		1419
Bottom:		1425
End:		1438

START POSITION (GPS)
LAT: 51 26 00
LONG: 131 13 06

BOTTOM POSITION (GPS)
LAT: 51 25 95
LONG: 131 13 09

END POSITION (GPS)
LAT: 51 25 98
LONG: 131 12 99

ROSETTE LOG

MISSION ID: 2004-24

STATION: MT2

CAST NUMBER:

10

NO LABELS
ADD NISK # to
prev. labels
UTC DATE (dd/mm/yyyy):

13/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	48	1440	1.515	2000	✓	2000	✓	✓	✓		✓							✓
2	49	1256	0.688	1500	✓	1500	✓	✓	✓									
3	50	1268	0.247	1000	✓	1000	✓	✓	✓									
4	51	1267		500	✓	500	✓	✓	✓									
5	52	1273	1.418	300	✓	300	✓	✓	✓									
6	53	1274	2.543	200	✓	200	✓	✓	✓									
7	54	1278	2.535	100	✓	200	✓	✓	✓		✓							✓
8	55	1276	3.642	50	✓	100	✓	✓	✓									✓
9	56	1442	4.756	30	✓	50	✓	✓	✓		✓							✓
10	57	1441	5.349	20	✓	30	✓	✓	✓									✓
11	58			10		20	✓	✓	✓		✓							✓
12	59			5		19	✓	✓	✓		✓							✓
13	58	1443	6.221	10	✓	10												
14	59	1444	5.945	5	✓	1												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Temp spike 300m down, back @ 1800m

Fucked up bottles 11+12 trips. Did 13+14 to replace - DT

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2080

Cast # down: 10

Cast # up: 10

Time LOC UTC

Begin: 1206 1906

Bottom: 1234 1934

End:

START POSITION (GPS)

LAT: 51 34 051

LONG: 130 56 062

BOTTOM POSITION (GPS)

LAT: 51 34 015

LONG: 130 55 912

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2004-24

STATION: MB3

CAST NUMBER: 12

UTC DATE (dd/mm/yyyy):

8/2004

Yellow notes

NO LABELS
ADD NISK#
to prev labels

MISSION ID: 200-1				STATION: 1450		ROSETTE OPERATION										Samples taken																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure		SAL	OXY	NUT	TCO	ALK	CI3	CHL	TCO	TCO	CDOM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

SHIP: _____
 ENTERED BY: _____
 CHECKED BY: _____

Bottom Depth: 1000

Cast # down: 12

Cast # up: _____

Time	LOC	UTC
Begin: <u>1425</u>		<u>2125</u>
Bottom: <u>1443</u>		<u>2143</u>
End: <u>1512</u>		<u>2212</u>

START POSITION (GPS)
 LAT: 51 37 094
 LONG: 130 45 997

BOTTOM POSITION (GPS)
 LAT: 51 37 213
 LONG: 130 45 817

END POSITION (GPS)
 LAT: 51 37 032
 LONG: 130 45 970

Comments:

Yellow Rock

ROSETTE LOG

MISSION ID: 2004-24

STATION: MB 4

CAST NUMBER: 14

UTC DATE (dd/mm/yyyy): 14/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO2	ALK	ALK	CHL	CRG	POC	PON				
1	70	1142	2.068	B-10	✓	195	✓	✓	✓	✓			✓	✓					
2	71			B-10	✓		✓	✓	✓	✓									
3	72	1146	1.946	150	✓		✓	✓	✓	✓									
4	73			150	✓					✓									
5	74	1128	3.148	100	✓		✓	✓	✓	✓									
6	75			100	✓					✓									
7	76	1233	4.828	50	✓		✓	✓	✓	✓		✓	✓	✓					
8	77			50	✓														
9	78	1237 (80) 1241		30	✓		✓	✓	✓	✓			✓	✓	✓				780 m file is duplicate of sample 78
10	79	5.329	5.339	30	✓														
11	80	1247	5.927	20	✓		✓	✓	✓	✓			✓	✓	✓				
12	81			20	✓														
13	82	1439	2.399	10	✓		✓	✓	✓	✓			✓	✓	✓				
14	83			10	✓														
15	84	1313	6.074	S	✓		✓	✓	✓	✓			✓	✓	✓				
16	85			S	✓														
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: some sample numbers 689-685 remove first digit rep @ 15 Niskin for DON rather than 11

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

Bottom Depth: 206

Cast # down: 14

Cast # up: 14

Time	LOC	UTC
Begin:		0107
Bottom:		0112
End:		0126

START POSITION (GPS)
LAT: 51 49.96
LONG: 130 13.92

BOTTOM POSITION (GPS)
LAT: 51 49.96
LONG: 130 14.01

END POSITION (GPS)
LAT: 51 49.99
LONG: 130 14.00

ROSETTE LOG

MISSION ID: 2004-24

STATION: MB5

CAST NUMBER: 18

UTC DATE (dd/mm/yyyy):

DON label only

14/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL	ORG			
1	86	1460/1860/1478		B-10	135	✓	✓	✓	✓				✓			840 in file duplicate of sample 86
2	87	3.586	3.590	150	130	✓	✓	✓								Did not fire
3	88	1435	1.028	100	100	✓	✓	✓	✓				✓			
4	89	1281	5.408	50	51	✓	✓	✓								
5	90	1284	5.205	30	30	✓	✓	✓								
6	91	1324	5.981	20	20	✓	✓	✓	✓				✓			
7	92	1325	6.410	10	10	✓	✓	✓	✓				✓			
8	93	1326	5.966	S	.8	✓	✓	✓	✓				✓			
9	94			S	.8	MIRANDA										
10																
11																
12																
13																
14																
15																
16																
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19																
20																
21																
22																
23																
24																

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 143

Cast # down: 11
Cast # up: 18

Time	LOC	UTC
Begin:		0506
Bottom:		0510
End:		0529

START POSITION (GPS)
LAT: 51 55 05
LONG: 129 57 92

BOTTOM POSITION (GPS)
LAT: 51 55 08
LONG: 129 57 92

END POSITION (GPS)
LAT: 51 55 06
LONG: 129 57 96

Comments:

ROSETTE LOG

MISSION ID: 2004-24

STATION: SP4

CAST NUMBER: 20

UTC DATE (dd/mm/yyyy): 14/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	CHL	POC	PT	NUT	PT	NUT	PT	NUT	
1	102	1427	1.919	8-10	✓	197	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1020 deep sample 102 flask - 1426 DO - 1.919
2	103	1430		8-10	✓													
3	104	1430	2.820	150	✓		✓	✓	✓	✓								
4	105	1206	4.354	100	✓		✓	✓	✓	✓								
5	106			100	✓													
6	107	1228	4.595	10%	✓	32	✓	✓	✓	✓								
7	108			10%	✓													
8	109	1231	5.589	30%	✓	14.5	✓	✓	✓	✓								
9	110			30%	✓													
10	111	1319	6.706	10%	✓	8.5	✓	✓	✓	✓								
11	112			10%	✓													
12	113			Chlmax	✓													
13	114			Chlmax	✓													
14	115			Chlmax	✓													
15	116			Chlmax	✓													
16	117	1351	6.390	30%	✓	5.0	✓	✓	✓	✓								
17	118			30%	✓	3.0												
18	119	1406	6.325	50%	✓	3.0	✓	✓	✓	✓								Huge Bubble
19	120			50%	✓	3.0												
20	121	1417	6.380	100%	✓	0.9	✓	✓	✓	✓								Huge Bubble
21	122			100%	✓	0.9												
22																		
23																		
24																		

Comments:

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

Bottom Depth: 208

Cast # down: 20

Cast # up: 20

Time	LOC	UTC
Begin:		1421
Bottom:		1429
End:		1448

START POSITION (GPS)
LAT: 52 08.95
LONG: 129 29.98

BOTTOM POSITION (GPS)
LAT: 52 08.98
LONG: 129 29.97

END POSITION (GPS)
LAT: 52 07.01
LONG: 129 29.99

ROSETTE LOG

MISSION ID:

2004-24

STATION:

MB6

CAST NUMBER:

19

UTC DATE (dd/mm/yyyy):

14/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		OP		ORG		
1	95	1195	2.250	8-10	163	✓	✓	✓		✓				✓		
2	96			100	10.0	✓	✓	✓		✓				✓		Did not trip
3	97	1271	3.762	50	49	✓	✓	✓								Big Bubble
4	98	1411	4.233	30	30	✓	✓	✓								" "
5	99	1404	4.243	20	19	✓	✓	✓		✓				✓		Sm. Bubble
6	100	1425	6.801	10	9	✓	✓	✓		✓				✓		" " → Bigger than
7	101	1403	6.578	5	5	✓	✓	✓		✓				✓		Big Bubble!
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

Nutrients dupe from Nisk 3 RED
bot 2 did not fire → NO SAMPLES FROM 100m

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

170

Cast # down:

19

Cast # up:

Time LOC

UTC

Begin:

0936

Bottom:

0943

End:

0954

START POSITION (GPS)

LAT:

52 16 007

LONG:

129 03 065

BOTTOM POSITION (GPS)

LAT:

52 15 996

LONG:

129 02 976

END POSITION (GPS)

LAT:

52 15 976

LONG:

129 02 982

ROSETTE LOG

MISSION ID: 2004-24

STATION: CS3

CAST NUMBER: 22

UTC DATE (dd/mm/yyyy):

15 / 8 / 2004

white Nutrients

DON and CDDM Labels

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	ORG	CI3			POC		
1	123	1431	2.293	174	✓ 8-10	✓	✓	✓		✓	✓						
2	124	1421	2.665		✓ 150	✓	✓	✓		✓	✓						
3	125	1422	3.972		✓ 100	✓	✓	✓		✓	✓				✓		
4	126				✓ 100												
5	127	1424	4.797		✓ 50	✓	✓	✓		✓			✓		✓		1270 Dup / Flask 13541 do = 4.868
6	128				✓ 50												Flask & Sample #, switched
7	129	1482	5.073		✓ 30	✓	✓	✓		✓							Love these ← dups!
8	130				✓ 30												
9	131	1384	6.035		✓ 20	✓	✓	✓		✓	✓		✓		✓		
10	132				✓ 20												
11	133	1212	6.837		✓ 10	✓	✓	✓		✓	✓		✓		✓		
12	134				✓ 10												
13	135	1138	6.410		✓ S	✓	✓	✓		✓	✓		✓		✓		
14	136				✓ S												
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 184

Cast # down: 22
Cast # up: 22

Time	LOC	UTC
Begin:		0210
Bottom:		0214
End:		0225

START POSITION (GPS)
LAT: 50° 54' 01"
LONG: 129° 25' 03"

BOTTOM POSITION (GPS)
LAT: 50° 54' 02"
LONG: 129° 25' 04"

END POSITION (GPS)
LAT: 50° 54' 05"
LONG: 129° 25' 06"

Comments: NUTRIENTS LEFT ON AFT-DECK UNTIL 0515 LOCAL TIME, 15 AUG

ROSETTE LOG

MISSION ID: 2004-24

STATION: SS 2.5

CAST NUMBER: 26

UTC DATE (dd/mm/yyyy): 15/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Phyto taken
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CHL	POC					
								OXY			ALK	ORG	CHL	PON	BSI	NUT	PF	
1	146	1206	4.979	10%	✓	50	✓	✓	✓									
2	147			10%	✓								✓	✓	✓	✓	✓	
3	148	1228	5.390	30%	✓	30	✓	✓	✓		✓							
4	149			30%	✓								✓	✓	✓	✓	✓	
5	150	1231	6.102	10%	✓	18	✓	✓	✓		✓							
6	151			10%	✓								✓	✓	✓	✓	✓	
7	152	1319	5.974	30%	✓	10	✓	✓	✓		✓							
8	153			30%	✓								✓	✓	✓	✓	✓	
9	154		15	CHLMAX	✓	20												
10	155			CHLMAX	✓													
11	156			CHLMAX	✓													
12	157			CHLMAX	✓													
13	158	1351	5.915	50%	✓	5	✓	✓	✓		✓							
14	159			50%	✓								✓	✓	✓	✓	✓	
15	160	1406	5.856	100%	✓		✓	✓	✓		✓		✓					
16	161			100%	✓								✓	✓	✓	✓	✓	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: ~2650

Cast # down: 26

Cast # up: 26

Time	LOC	UTC
Begin:		1402
Bottom:		1407
End:		1424

START POSITION (GPS)
LAT: 51 00.02
LONG: 130 49.98

BOTTOM POSITION (GPS)
LAT: 51 00.03
LONG: 130 50.02

END POSITION (GPS)
LAT: 51 00.03
LONG: 130 50.03

Comments: serial numbers for this event and next will not be consecutive switched order

ROSETTE LOG

MISSION ID: 2004-24 STATION: SS 2.5 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 15/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		ORP	POC					
							OXY			ALK		CHL	PON					
1	137	1195	2.256	2500	✓ 2500													
2	138	1175	2.126	2500	✓ 2500	✓	✓	✓		✓			✓	✓				
3	139	1271	1.343	2000	✓ 2001	✓	✓	✓										
4	140	1404	*318.805?	1500	✓ 1501	✓	✓	✓		✓								1400-1425 do = 0.628
5	141	1411	0.286	1000	✓ 1000	✓	✓	✓		✓								* Sample 140 → incorrect
6	142	1403	0.769	500	✓ 501	✓	✓	✓		✓								update standard vol
7	143	1426	1.846	300	✓ 299	✓	✓	✓										enter red.
8	144	1427	3.244	200	✓ 200	✓	✓	✓		✓								
9	145	1430	4.252	100	✓ 100	✓	✓	✓		✓			✓	✓				
10	162			CHLMAX	✓ 20													
11	163			CHLMAX	✓ 20													
12	164			CHLMAX	✓ 20													
13	165			CHLMAX	✓ 20													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Note serial numbers w/cast 26 then Miranda's chlmax continue after

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 2656

Cast # down: 27
Cast # up: 27

Time	LOC	UTC
Begin:		1538
Bottom:		1615
End:		1706

START POSITION (GPS)
LAT: 51 00.02
LONG: 130 50.13

BOTTOM POSITION (GPS)
LAT: 51 00.04
LONG: 130 50.21

END POSITION (GPS)
LAT: 51 00.05
LONG: 130 49.96

ROSETTE LOG

MISSION ID: 2004-24

STATION: SS3

CAST NUMBER: 29

UTC DATE (dd/mm/yyyy):

15/8/2004

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

ROSETTE OPERATION		Samples taken									
Sample Depth	Confirmed pressure	SAL		NUT		TCO		600 ORG			
			OXY			ALY	ALK	CHL			

1	166	1236		B-10	✓	1420													
2	167	1256	0.433	B-10	✓		✓	✓	✓		✓								
3	168	1440	0.318	1000	✓		✓	✓	✓										
4	169	1268	0.796	500	✓		✓	✓	✓		✓								
5	170	1267	1.636	300	✓		✓	✓	✓									Bubble	
6	171	1273	2.166	200	✓		✓	✓	✓		✓								
7	172	1274	4.998	100	✓		✓	✓	✓										
8	173	1278	5.981	50	✓		✓	✓	✓		✓								
9	174	1276	5.112	30	✓		✓	✓	✓										
10	175	1442	5.583	20	✓		✓	✓	✓		✓								
11	176	1441	6.064	10	✓		✓	✓	✓										
12	177	1443	5.923	5	✓		✓	✓	✓		✓								
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 1416

Cast # down: 29

Cast # up: 29

Time	LOC	UTC
Begin:		2314
Bottom:		2337
End:		0014

START POSITION (GPS)
LAT: 51° 03' 89"
LONG: 130° 00' 40"

BOTTOM POSITION (GPS)
LAT: 51° 03' 82"
LONG: 130° 00' 59"

END POSITION (GPS)
LAT: 51° 03' 59"
LONG: 130° 00' 76"

Comments: Blue nut rack

ROSETTE LOG

MISSION ID: 2004-24 STATION: 555 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 18/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		OPS						
							OXY				ALK		CHL	ORG				
1	178	12141	1.680	8-10	278	✓	✓	✓		✓			✓					
2	179	1445	2.081	200	201	✓	✓	✓		✓			✓					
3	180	12147	4.361	100	99	✓	✓	✓		✓			✓					
4	181	1446	5.888	50	50	✓	✓	✓										
5	182	1448	5.001	30	30	✓	✓	✓										
6	183	1449	5.787	20	20	✓	✓	✓		✓			✓					
7	184	1451	6.140	10	10	✓	✓	✓		✓			✓					
8	185	1450	6.199	5	1	✓	✓	✓		✓			✓					
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Red nut rack

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 288

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		0439
Bottom:		0444
End:		0501

START POSITION (GPS)
LAT: 51 11 57
LONG: 129 20 60

BOTTOM POSITION (GPS)
LAT: 51 11 67
LONG: 129 20 41

END POSITION (GPS)
LAT: 51 11 74
LONG: 129 20 16

ROSETTE LOG

MISSION ID: 2004-24 STATION: SS7 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 16/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CHL	ORG				
1	186	657	1.744	B-10	✓ 185	✓	✓	✓		✓		✓					
2	187	708	1.810	150	✓	✓	✓	✓		✓		✓					
3	188	1130	2.655	100	✓	✓	✓	✓		✓		✓					
4	189	1433	3.561	75	✓	✓	✓	✓									
5	190	1185	4.193	50	✓	✓	✓	✓									
6	191	1176	4.989	30	✓	✓	✓	✓									
7	192	1137	5.846	20	✓	✓	✓	✓		✓		✓					
8	193	1136	6.881	10	✓	✓	✓	✓				✓					
9	194	1389	6.075	5	✓	✓	✓	✓		✓		✓					
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments: green nut rack

SHIP: John P. Riley
ENTERED BY: DT
CHECKED BY: DT

Bottom Depth: 200

Cast # down: 32
Cast # up:

Time	LOC	UTC
Begin:		0832
Bottom:		0835
End:		0844

START POSITION (GPS)
LAT: 51 27 991
LONG: 128 30 000

BOTTOM POSITION (GPS)
LAT: 51 27 985
LONG: 128 30 001

END POSITION (GPS)
LAT: 51 27 977
LONG: 128 29 995

ROSETTE LOG

MISSION ID: 2004-24STATION: CPECAST NUMBER: 140UTC DATE (dd/mm/yyyy): 16/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	ORG	CHL	POC	BSi	P1	NUT			
1	195	1195	2.001	B-10	✓	✓	✓	✓											
2	196	1271	2.373	100	✓	✓	✓	✓		✓	✓		✓						
3	197	1175	3.922	10%	✓	35	✓	✓	✓				✓	✓	✓	✓	✓		1970/1404/3.933
4	198			10%	✓								✓	✓	✓	✓	✓		
5	199	1425	4.407	3%	✓	20	✓	✓	✓				✓	✓	✓	✓	✓		
6	200			3%	✓								✓	✓	✓	✓	✓		
7	201	1403	4.707	10%	✓	15	✓	✓	✓				✓	✓	✓	✓	✓		
8	202			10%	✓								✓	✓	✓	✓	✓		
9	203	1411	4.799	30%	✓	10	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		Bubble
10	204			30%	✓								✓	✓	✓	✓	✓		
11	205			Chl max	✓	0													
12	206			Chl max	✓														
13	207			Chl max	✓														
14	208			Chl max	✓														
15	209	1426	4.885	50%	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
16	210			50%	✓								✓	✓	✓	✓	✓		
17	211	1427	4.971	100%	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
18	212			100%	✓								✓	✓	✓	✓	✓		
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

SHIP: TULLY
ENTERED BY: DT
CHECKED BY: MRBottom Depth: 18Cast # down: 34Cast # up:

Time	LOC	UTC
Begin:		1342
Bottom:		1348
End:		1403

START POSITION (GPS)	
LAT:	50 59 97
LONG:	127 49 95

BOTTOM POSITION (GPS)	
LAT:	50 59 96
LONG:	127 49 96

END POSITION (GPS)	
LAT:	50 59 96
LONG:	127 49 86

ROSETTE LOG

MISSION ID: 2004-24

STATION: SSG

CAST NUMBER: 37

UTC DATE (dd/mm/yyyy):

17/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	ORG	TCO								
1	213	1195	2.167	B-10	✓	230	✓	✓	✓	✓	✓	✓						
2	214	1271	2.417	200	✓		✓	✓	✓									
3	215	1175	4.023	100	✓		✓	✓	✓	✓	✓							
4	216	1404	5.022	10%	✓	50	✓	✓	✓									
5	217			10%	✓							✓	✓	✓	✓	✓		
6	218	1425	6.058	30%	✓	19	✓	✓	✓									
7	219			30%	✓							✓	✓	✓	✓	✓		
8	220	1403	6.731	100%	✓	10	✓	✓	✓									
9	221			100%	✓							✓	✓	✓	✓	✓		
10	222	1411	6.308	30%	✓	6	✓	✓	✓	✓								
11	223			30%	✓							✓	✓	✓	✓	✓		
12	224	1427	6.256	50%	✓	3	✓	✓	✓	✓								
13	225			50%	✓							✓	✓	✓	✓	✓		
14	226			chlmax	✓	14												
15	227			chlmax	✓													
16	228			chlmax	✓													
17	229			chlmax	✓													
18	230	1426	6.271	100%	✓		✓	✓	✓	✓	✓							
19	231			100%	✓							✓	✓	✓	✓	✓		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: John P. Tully

ENTERED BY: DS

CHECKED BY: MR

Bottom Depth: 240

Cast # down: 37

Cast # up:

Time	LOC	UTC
Begin:		1414
Bottom:		1423
End:		1442

START POSITION (GPS)

LAT: 51°21.00

LONG: 129°00.07

BOTTOM POSITION (GPS)

LAT: 51°20.97

LONG: 129°00.12

END POSITION (GPS)

LAT: 51°20.96

LONG: 129°00.52

ROSETTE LOG

MISSION ID: 2004-24

STATION: XB

CAST NUMBER: 38

UTC DATE (dd/mm/yyyy):

17/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	ORG	TCO		CHL	POC	PT	Nut			
1	232	1430	1.430	B-10	✓ 360	✓	✓	✓	✓	✓		✓						
2	233	1206	2.294	200	✓	✓	✓	✓										
3	234	1228	3.613	100	✓	✓	✓	✓	✓	✓		✓						
4	235	1231	4.413	190	✓ 50m	✓	✓	✓		✓		✓						
5	236			190	✓ 50m	✓	✓	✓				✓	✓	✓	✓	✓		
6	237	1351	4.433	390	✓ 29m	✓	✓	✓				✓	✓	✓	✓	✓		
7	238			390	✓ 29m							✓	✓	✓	✓	✓		
8	239	1319	5.629	1090	✓ 19m	✓	✓	✓		✓							Bubble	
9	240			1090	✓ 19m							✓	✓	✓	✓	✓		
10	241	1406	6.068	3090	✓ 8m	✓	✓	✓	✓	✓							Bubble	
11	242			3090	✓ 8m							✓	✓	✓	✓	✓		
12	243	1417	6.037	5090	✓ 5m	✓	✓	✓	✓	✓							Bubble	
13	244			5090	✓ 5m							✓	✓	✓	✓	✓		
14	245	1431	6.230	10090	✓ 0	✓	✓	✓	✓	✓							Bubble	
15	246			10090	✓ 0							✓	✓	✓	✓	✓		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Blue Rack CDOM & DOM Labels on wrong bottles POC, DOC label uncertainties.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 333

Cast # down: 38
Cast # up:

Time	LOC	UTC
Begin:		2035
Bottom:		2040
End:		2057

START POSITION (GPS)
LAT: 50 34 984
LONG: 128 40 050

BOTTOM POSITION (GPS)
LAT: 50 34 993
LONG: 128 40 025

END POSITION (GPS)
LAT: 50 34 989
LONG: 128 40 087

ROSETTE LOG

MISSION ID: 2004-24

STATION: G6

CAST NUMBER: 39

UTC DATE (dd/mm/yyyy):

18 / 8 / 2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CHL		OPH		
1	247			B-10	819m											
2	248			B-10	819m											
3	249	1421	0.215	B-10	819m	✓	✓	✓		✓						
4	250	1422	0.294	700	✓	✓	✓	✓								
5	251	1424	0.761	500	✓	✓	✓	✓		✓						
6	252	1354	1.437	300	✓	✓	✓	✓								
7	253	1482	2.713	200	✓	✓	✓	✓								
8	254	1384	4.225	100	✓	✓	✓	✓		✓						
9	255	1212	5.305	50	✓	✓	✓	✓								
10	256	1138	6.671	30	✓	✓	✓	✓								
11	257	1456	6.735	20	✓	✓	✓	✓		✓						
12	258	1455	6.462	10	✓	✓	✓	✓								
13	259	1457	6.056	5	✓	✓	✓	✓		✓						
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 836

Cast # down: 39

Cast # up:

Time LOC UTC

Begin: 0153 0853

Bottom: 0206 0906

End: 0229 0929

START POSITION (GPS)

LAT: 49 03 006

LONG: 126 59 887

BOTTOM POSITION (GPS)

LAT: 49 03 008

LONG: 126 59 910

END POSITION (GPS)

LAT: 49 02 985

LONG: 126 59 920

ROSETTE LOG

MISSION ID: 2004-24

STATION: G4

CAST NUMBER: 41

UTC DATE (dd/mm/yyyy): 18/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO (ORG)	Q13			PoC		NUT		
						OXY				ALK	ALK	CHL	Bs	PON	PT			
1	260	657	1.911	3-10	1	✓	✓	✓										
2	261	708	1.742	125	1	✓	✓	✓		✓								
3	262	1130	2.674	100	✓	✓	✓	✓		✓	✓			✓				
4	263	1433	3.066	75	1	✓	✓	✓										
5	264	1135	5.343	1%	✓ 29	✓	✓	✓		✓	✓							
6	265			1%	✓							✓	✓	✓	✓	✓		
7	266	1176	5.520	3%	✓ 15	✓	✓	✓										
8	267			3%	✓							✓	✓	✓	✓	✓		
9	268	1137	6.421	10%	✓ 9	✓	✓	✓		✓	✓							
10	269			10%	✓							✓	✓	✓	✓	✓		
11	270	1136	6.863	30%	✓ 5	✓	✓	✓										Phyto in sample.
12	271			30%	✓							✓	✓	✓	✓	✓		
13	272	1389	6.918	50%	✓ 3	✓	✓	✓										
14	273			50%	✓							✓	✓	✓	✓	✓		
15	274			chlmax	✓	MIRANDA												
16	275			chlmax	✓													
17	276			chlmax	✓													
18	277			chlmax	✓													
19	278	1391	7.028	100%	✓	✓	✓	✓		✓	✓							
20	279			100%	✓							✓	✓	✓	✓	✓		
21	280			100%	1	LINDSAY												
22																		
23																		
24																		

Comments: DUSP samples collected at incubation depths

SHIP: John P Tully

ENTERED BY: DI

CHECKED BY: MR

Bottom Depth: 149

Cast # down: 41

Cast # up: 41

Time	LOC	UTC
Begin:		1439
Bottom:		1445
End:		1501

START POSITION (GPS)

LAT: 49.10.97

LONG: 126.50.05

BOTTOM POSITION (GPS)

LAT: 49.10.93

LONG: 126.50.06

END POSITION (GPS)

LAT: 49.10.87

LONG: 126.50.13

ROSETTE LOG

MISSION ID: 2004-24 STATION: G3 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 18/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CHL DON		CDON		TOC		
1	281	1393	1.469	B-10	105	✓	✓	✓		✓		✓		✓				
2	282	1399	2.622	75	74	✓	✓	✓										
3	283	1400	4.612	50	50	✓	✓	✓		✓		✓		✓				
4	284	1407	4.964	30	29	✓	✓	✓		✓		✓		✓				Sample No: 2840 DonV1: 4.988 Flask No: 1235
5	285	1410	5.405	20	20	✓	✓	✓		✓		✓		✓		✓		flask 1414 in file
6	286	1414	7.038	10	9	✓	✓	✓				✓		✓				" 1410 " "
7	287	1432	6.831	S	2	✓	✓	✓		✓		✓		✓		✓		
8	288			chlmax	13	MIRANDA												
9	289			chlmax	13													
10	290			chlmax	13													
11	291			chlmax	13													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: no DOC vials
ship dumped tanks near station

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 115

Cast # down: 44

Cast # up: 44

Time	LOC	UTC
Begin:		16:59
Bottom:		17:03
End:		17:16

START POSITION (GPS)

LAT: 49 15 03

LONG: 126 42 97

BOTTOM POSITION (GPS)

LAT: 49 15 03

LONG: 126 42 95

END POSITION (GPS)

LAT: 49 15 08

LONG: 126 42 90

ROSETTE LOG

MISSION ID: 2004-24 STATION: S103 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 19/8/2004

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL				
1	292			But-10	✓			✓	✓									
2	293			200	✓			✓	✓						✓	✓		
3	294			175	✓			✓	✓						✓	✓		
4	295			150	✓			✓	✓						✓	✓		
5	296			140	✓			✓	✓						✓	✓		
6	297			136	✓													
7	298			132	✓										✓	✓		
8	299			128	✓										✓	✓		
9	300			124	✓													
10	301			120	✓										✓	✓		
11	302			116	✓										✓			
12	303			112	✓													
13	304			108	✓										✓	✓		
14	305			104	✓										✓			
15	306			100	✓			✓	✓							✓		
16	307			95	✓										✓			
17	308			90	✓													
18	309			85	✓										✓	✓		
19	310			80	✓													
20	311			75	✓			✓	✓						✓	✓		
21	312			50	✓			✓	✓						✓	✓		
22	313			25	✓			✓	✓						✓	✓		
23	314			10	✓			✓	✓							✓		
24	315			5	✓			✓	✓							✓		

Comments:

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

Bottom Depth: 231

Cast # down: 45
Cast # up: 45

Time	LOC	UTC
Begin:		1354
Bottom:		1400
End:		1425

START POSITION (GPS)
LAT: 48 35 72
LONG: 123 30.01

BOTTOM POSITION (GPS)
LAT: 48 35 74
LONG: 123 30.01

END POSITION (GPS)
LAT: 48 35 75
LONG: 123 30.02