

ROSETTE LOG

MISSION ID: 2008-01 STATION: SIO3 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 31 / 01 / 2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												UN
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	1	1413	0.118	Bot-10	-	215	✓	✓	✓									
2	2	1414	0.047	200	✓	201	✓	✓	✓									
3	3	1418	0.083	175	-	175	✓	✓	✓									
4	4	1421	0.090	150	-	150	✓	✓	✓									
5	5	1424	0.087	125	-	125	✓	✓	✓									
6	6	1426	0.014	100	-	100	✓	✓	✓									457, 458
7	7	1427	4.131	75	-	75	✓	✓	✓									459, 460
8	8	1428	4.347	50	-	50	✓	✓	✓									461, 462
9	9	1429	5.054	25	-	25	✓	✓	✓									463, 464
10	10	1430	5.540	10	-	10	✓	✓	✓									465, 466
11	11	1432	5.542	5	-	5	✓	✓	✓									467, 468
(12)																		
13																		
14	5	1486	0.076															
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: OXY - BLUE BOX
NUT - WHITE

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

Bottom Depth: 225

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		04:15
Bottom:		04:22
End:		

START POSITION (GPS)
LAT: 48 35 59
LONG: 123 29 97

BOTTOM POSITION (GPS)
LAT: 48 35 59
LONG: 123 29 97

END POSITION (GPS)
LAT: 48 35 61
LONG: 123 29 99

ROSETTE LOG

MISSION ID: 2008-01 STATION: P2 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 1/02/2008

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	13	1413	3.943	Bot-10	✓ 110	✓	✓	✓										
2	14	1414	3.972	100	✓ 101	✓	✓	✓				✓						
3	15	1418	5.246	75	✓ 75	✓	✓	✓				✓						
4	16	1421	5.231	75	✓ 75	✓	✓	✓				✓						
5	17	1424	6.072	50	✓ 50	✓	✓	✓				✓						
6	18	1426	6.586	25	✓ 25	✓	✓	✓				✓						Note: Chl #17 & 18 may be switched (ship)
7	19			10	✓ 10													
8	20			10	✓ 10													} ANISSA
9	21			10	✓ 10													
10	22			10	✓ 10													
11	23	1432	6.578	10	✓ 10	✓	✓	✓				✓						
12	24	3090	6.581	5	✓ 5	✓	✓	✓				✓						
13	25			5	✓ 5													MARIA
14																		
15	Bot 6	1427	6.591	18														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: OXY: BLUE BOX
NUTS: RED RACK

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

Bottom Depth: 129

Cast # down: 3
Cast # up: 3

Time	LOC	UTC
Begin:		1838
Bottom:		1841
End:		1850

START POSITION (GPS)
LAT: 48° 35.90
LONG: 125° 00.14

BOTTOM POSITION (GPS)
LAT: 48° 35.92
LONG: 125° 00.17

END POSITION (GPS)
LAT: 48° 35.97
LONG: 125° 00.13

ROSETTE LOG

DMS CAST

MISSION ID: 2008-01 STATION: P4 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 2/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPL		CHL		
						OXY		DMS		ALK						CBP		
1	27			300	/			✓	✓									
2	28			250	/											✓		
3	29			200	/			✓	✓									
4	30			175	/			✓	✓					✓				
5	31			150	/											✓		
6	32			100	/			✓	✓				✓	✓	✓			
7	33			75	/			✓	✓				✓	✓				
8	34			50	/			✓	✓				✓	✓	✓			
9	35			40	/			✓	✓				✓	✓				
10	36			30	/			✓	✓				✓					
11	37			25	/			✓	✓				✓	✓	✓			
12	38			20	/			✓	✓				✓			✓		
13	39			15	/			✓	✓				✓	✓				
14	40			10	/			✓	✓				✓	✓	✓	✓		
15	41			5				✓	✓				✓	✓				
16	42			5												✓		ONAR
17	43			5														MARIA
18	44			0				✓	✓				✓					
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 1320

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		0320
Bottom:		0327
End:		0345

START POSITION (GPS)
LAT: 48 39 00
LONG: 126 39 93

BOTTOM POSITION (GPS)
LAT: 48 39 01
LONG: 126 39 96

END POSITION (GPS)
LAT: 48 38 06
LONG: 126 39 96

Comments: NUTS: YELLOW RACK.

ROSETTE LOG

MISSION ID: 2008-01 STATION: P4 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 2/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
						OXY				ALK		CHL						
1	45			Bot-10	✓ 1308													
2	46			Bot-10	✓													
3	47			Bot-10	✓													
4	48			Bot-10	✓													
5	49			1000	✓													
6	50			1000	✓													
7	51			1000	✓													
8	52			1000	✓													
9	53			500	✓													
10	54			500	✓													
11	55			500	✓													
12	56			500	✓													
13	57			10														
14	58			10														
15	59			10														
16	60			10														
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully

ENTERED BY: 8

CHECKED BY:

Bottom Depth: 1322

Cast # down: 9

Cast # up: 9

TimeLOCUTC

Begin:5:11

Bottom:5:32

End:6:00

START POSITION (GPS)

LAT: 48 39 00

LONG: 126 40 03

BOTTOM POSITION (GPS)

LAT: 48 39 05

LONG: 126 39 98

END POSITION (GPS)

LAT: 48 39 05

LONG: 126 40 01

ROSETTE LOG

MISSION ID: 2008-01 STATION: P4 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 2/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		PH		ECM		
1	61	76	0.507	Bot-10	✓ 1300	✓	✓	✓	✓	✓				✓				
2	62	632	0.442	1250	✓ 1250	✓	✓	✓	✓	✓				✓				
3	63	329	0.260	1000	✓ 1000	✓	✓	✓	✓	✓								
4	64	371	0.267	1000	✓ 1000	✓	✓	✓	✓	✓				✓	✓	✓	✓	
5	65	425	0.226	800	✓ 800	✓	✓	✓	✓	✓								
6	66	439	0.413	600	✓ 600	✓	✓	✓	✓	✓								
7	67	456	0.951	400	✓ 400	✓	✓	✓	✓	✓					✓	✓	✓	
8	68	462	1.424	300	✓ 300	✓	✓	✓	✓	✓					✓	✓	✓	
9	69	471	1.638	250	✓ 250	✓	✓	✓	✓	✓								
10	70	547	2.239	200	✓ 200	✓	✓	✓	✓	✓					✓	✓	✓	
11	71	540	2.208	175	✓ 175	✓	✓	✓	✓	✓								
12	72	557	2.376	150	✓ 150	✓	✓	✓	✓	✓					✓	✓	✓	
13	73	559	2.791	125	✓ 125	✓	✓	✓	✓	✓								
14	74	575	3.736	100	✓ 100	✓	✓	✓	✓	✓					✓	✓	✓	
15	75	586	5.396	75	✓ 75	✓	✓	✓	✓	✓					✓	✓	✓	
16	76	589	6.614	50	✓ 50	✓	✓	✓	✓	✓					✓	✓	✓	
17	77	604	6.631	25	✓ 25	✓	✓	✓	✓	✓					✓	✓	✓	
18	78	605	6.697	10	✓ 10	✓	✓	✓	✓	✓					✓	✓	✓	
19	79	611	6.698	5	✓ 5	✓	✓	✓	✓	✓								
20																		
21																		
22	(9)69	620	1.625	250														
23																		
24																		

SHIP: Tully
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 1322

Cast # down: 12
 Cast # up: 12

Time	LOC	UTC
Begin:		<u>0935</u>
Bottom:		<u>0957</u>
End:		<u>1041</u>

START POSITION (GPS)
 LAT: 40° 38' .88
 LONG: 126° 39' .96

BOTTOM POSITION (GPS)
 LAT: 48° 38' .91
 LONG: 126° 40' .19

END POSITION (GPS)
 LAT: 48° 38' .95
 LONG: 126° 40' .11

Comments: OXY: GREEN BOX
NUTS: BLUE RACK

ROSETTE LOG

MISSION ID: 2008-01 STATION: P8 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 3/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	84	1413	1.481	2000	-	2000	✓	✓	✓									
2	85	1414	0.729	1500	✓													
3	86	1418	0.382	1250	✓													
4	87	1421	0.238	1000	✓													
5	88	1424	0.241	1000	✓													
6	89	1426	0.239	800	✓			✓										
7	90	1427	0.323	600	✓													
8	91	1428	0.354	400	✓													
9	92	1429	1.364	300	✓													
10	93	1430	2.451	250	✓													
11	94	1432	2.441	200	✓													
12	95	3090	2.319	175	✓		✓											1447 - 2.310
13	96	1433	3.941	150	✓													
14	97	1434	2.897	125	✓													
15	98	1451	4.285	100	✓								✓					
16	99	1327	6.325	75	✓								✓					
17	100	1329	6.761	50	✓								✓					
18	101	1454	6.789	25	✓								✓					
19	102	1446	6.804	10	✓		✓	✓	✓				✓					
20	103			10	✓													
21	104			10	✓													
22	105			10	✓													
23	106			5	✓													
24	107	1453	6.793	5	✓		✓	✓	✓				✓					ONAR

SHIP: Tully
 ENTERED BY: _____
 CHECKED BY: _____

Bottom Depth: 2518

Cast # down: 18
 Cast # up: 18

Time	LOC	UTC
Begin:		0024
Bottom:		0054
End:		0132

START POSITION (GPS)
 LAT: 48 49 03
 LONG: 128 40 01

BOTTOM POSITION (GPS)
 LAT: 48 49 03
 LONG: 128 40 07

END POSITION (GPS)
 LAT: 48 49 16
 LONG: 128 40 18

Comments: NUTS: GREEN RACK
OXY: BLUE BOX

ROSETTE LOG

MISSION ID: 2008-01 STATION: P12 UBC CAST CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 03/02/08

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	111			2000	✓ 2000											
2	112			2000	✓ "											
3	113			2000	✓ "											
4	114			2000	✓ "											
5	115			1000	✓ 1000											
6	116			1000	✓ "											
7	117			1000	✓ "											
8	118			1000	✓ "											
9	119			500	✓ 500											
10	120			500	✓ "											
11	121			500	✓ "											
12	122			500	✓ "											
13	123			10	10											
14	124			10	"											
15	125			10	"											
16	126			10	"											
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 3228

Cast # down: 23

Cast # up: 23

TimeLOCUTC

Begin:1347

Bottom:1423

End:1459

START POSITION (GPS)

LAT: 48 58 22

LONG: 130 39 92

BOTTOM POSITION (GPS)

LAT: 48 58.20

LONG: 130 40.03

END POSITION (GPS)

LAT: 48 58.27

LONG: 130 40.09

ROSETTE LOG

MISSION ID: 2008-01 STATION: P12 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 03/02/09

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH		FCM		
							OXY			ALK		CHL		gum		HR		
1	127	1333	2.494	Bot-10	✓ 3266	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	128	1338	2.292	3000	✓									✓	✓	✓	✓	
3	129	1340	1.961	2500	✓									✓	✓	✓	✓	
4	130	1341	1.388	2000	✓									✓		✓	✓	
5	131	1344	0.743	1500	✓					✓				✓				
6	132	1347	0.687	1500	✓									✓				
7	133	1351	0.247	1250	✓									✓				
8	134	1354	0.318	1000	✓			✓						✓	✓	✓	✓	000 CURVE/END PT
9	135	1356	0.222	800	✓									✓				
10	136	1358	0.752	600	✓	✓								✓				
11	137	1360	1.302	400	✓		✓								✓	✓	✓	
12	138	1361	2.235	300	✓									✓	✓	✓	✓	
13	139	1362	0.237	250	✓													
14	140	1363	0.303	200	✓									✓	✓	✓	✓	
15	141	1364	0.215	175	✓													
16	142	1366	0.404	150	✓									✓	✓	✓	✓	
17	143	1367	1.304	125	✓													
18	144	1368	5.579	100	✓									✓	✓	✓	✓	
19	145	1373	6.798	75	✓	✓								✓				
20	146	1374	6.780	50	✓									✓	✓	✓	✓	
21	147	1375	6.786	25	✓									✓	✓	✓	✓	
22	148	1376	6.802	10	✓									✓	✓	✓	✓	
23	149	1456	6.804	5	✓	✓	✓	✓		✓				✓				
24	137	2020	1.335															

Comments: OXYGEN: RED BOX
NUTRIENTS: LIGHT: BLUE RACK

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

Bottom Depth:

Cast # down: 24
Cast # up: 24

Time	LOC	UTC
Begin:		1538
Bottom:		1633
End:		1758

START POSITION (GPS)
LAT: 48 58 25
LONG: 130 40 03

BOTTOM POSITION (GPS)
LAT: 48 58 21
LONG: 130 39.97

END POSITION (GPS)
LAT: 48 58 28
LONG: 130 40.02

ROSETTE LOG

MISSION ID: 2008-01 STATION: P12 DMS CAST CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 03/02/08

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPCL				
						OXY		DMS		ALK		CHL		CDA				
1	150			300	✓			✓	✓									
2	151			250	✓										✓			
3	152			200	✓			✓	✓									
4	153			175	✓			✓	✓					✓				
5	154			150	✓										✓			
6	155			100	✓			✓	✓				✓	✓	✓			
7	156			75	✓			✓	✓				✓	✓				
8	157			50	✓			✓	✓				✓	✓	✓			
9	158			40	✓			✓	✓				✓	✓				
10	159			30	✓			✓	✓				✓					
11	160			25	✓			✓	✓				✓	✓				
12	161			25	✓									✓			ANGELICA	
13	162			20	✓			✓	✓				✓		✓			
14	163			15	✓			✓	✓				✓					
15	164			10	✓			✓	✓				✓	✓	✓			
16	165			10	✓									✓			ANGELICA	
17	166			5	✓			✓	✓				✓	✓				
18	167			5	✓									✓			ANGELICA	
19	168			5	✓												ONAR	
20	169			5	✓												MARIA	
21	170			0				✓	✓				✓					
22																		
23																		
24																		

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

Bottom Depth: 3228

Cast # down: 27
Cast # up: 27

Time	LOC	UTC
Begin:		1905
Bottom:		1910
End:		1929

START POSITION (GPS)
LAT: 48 58 10
LONG: 130 40 16

BOTTOM POSITION (GPS)
LAT: 4858 13
LONG: 130 40 17

END POSITION (GPS)
LAT: 48 58 13
LONG: 130 40 07

Comments: NUTS: BLOWN BACK

ROSETTE LOG

MISSION ID: 2008-01 STATION: P14 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 04/02/08

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	173			10	✓ 10													
2	174			10	✓													
3	175			10	✓													
4	176	1457	6.590	10	✓		✓	✓				✓						
5	177			5		✓		✓				✓						
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: H2
CHECKED BY: HM

Bottom Depth: 3310

Cast # down: 29
Cast # up: 29

Time	LOC	UTC
Begin:		0833
Bottom:		0905
End:		0937

START POSITION (GPS)
LAT: 49° 07.33
LONG: 132° 39.95

BOTTOM POSITION (GPS)
LAT: 49° 07.41
LONG: 132° 40.01

END POSITION (GPS)
LAT: 49° 07.35
LONG: 132° 39.98

ROSETTE LOG

DMS CAST

MISSION ID: 2008-01 STATION: P16 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 4/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		H ₂ O ₂				
							OXY		DMS	ALK		CHL		CBM				
1	179			300	300			✓	✓									
2	180			250	250										✓			
3	181			200				✓	✓									
4	182			175				✓	✓					✓				
5	183			150											✓			
6	184			100				✓	✓				✓	✓	✓			
7	185			75				✓	✓				✓	✓				
8	186			50				✓	✓				✓	✓	✓			
9	187			40				✓	✓				✓	✓				
10	188			30				✓	✓				✓					
11	189			25				✓	✓				✓	✓				
12	190			25										✓			ANGELICA	
13	191			20				✓	✓				✓		✓			
14	192			15				✓	✓				✓					
15	193			10				✓	✓				✓	✓	✓			
16	194			10										✓			ANGELICA	
17	195			5				✓	✓				✓	✓				
18	196			5										✓			ANGELICA	
19	197			5													ONAR	
20	198			5													MARIA	
21	199			0				✓	✓				✓				AIR	
22																	#21 out of 22	
23																		
24																		

Comments: NUTS WHITE RACK

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

Bottom Depth: 3624

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		2114
Bottom:		2118
End:		2134

START POSITION (GPS)
LAT: 49 17 04
LONG: 134 39 03

BOTTOM POSITION (GPS)
LAT: 49 17 03
LONG: 134 39 25

END POSITION (GPS)
LAT: 49 17 03
LONG: 134 40 03

ROSETTE LOG

UBC CAST

MISSION ID: 2008-01 STATION: P16 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 4/2/2008

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	200			2000	✓													
2	201			2000	✓													
3	202			2000	✓													
4	203			2000	✓													
5	204			1000	✓													
6	205			1000	✓													
7	206			1000	✓													
8	207			1000	✓													
9	208			500	✓													
10	209			500	✓													
11	210			500	✓													
12	211			500	✓													
13	212			10	✓													
14	213			10	✓													
15	214			10	✓													
16	215			10	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: MR

CHECKED BY: DA

Bottom Depth: 3621

Cast # down: 34

Cast # up: 34

Time	LOC	UTC
Begin:		2237
Bottom:		2303
End:		2339

START POSITION (GPS)

LAT: 49 17 02

LONG: 134 40 04

BOTTOM POSITION (GPS)

LAT: 49 17 10

LONG: 134 40 09

END POSITION (GPS)

LAT: 49 16 59

LONG: 134 40 14

ROSETTE LOG

MISSION ID: 2008-01 STATION: P16 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 4/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		PH		HR		
						OXY		PH		ALK		CHL		ECM				
1	216	1297	2.931	Bot-10	✓	3671	✓	✓	✓	✓				✓	✓	✓		
2	217	1300	2.759	3500	✓		✓	✓	✓	✓				✓	✓	✓		
3	218	1301	2.463	3000	✓		✓	✓	✓	✓				✓	✓	✓		✓
4	219	1302	2.712	3500	✓		✓	✓	✓	✓								✓
5	220	1305	1.992	2500	✓		✓	✓	✓	✓								✓
6	221	1306	1.384	2000	✓		✓	✓	✓	✓				✓	✓	✓		✓
7	222	1307	0.559	1500	✓		✓	✓	✓	✓								✓
8	223	1309	0.1871	1250	✓		✓	✓	✓	✓								✓
9	224	1313	0.266	1000	✓		✓	✓	✓	✓				✓	✓	✓		✓
10	225	1314	0.348	800	✓		✓	✓	✓	✓								✓
11	226	1315	0.512	600	✓		✓	✓	✓	✓								✓
12	227	1318	1.008	400	✓		✓	✓	✓	✓				✓	✓	✓		✓
13	228	1317	0.330	300	✓		✓	✓	✓	✓				✓	✓	✓		✓
14	229	1319	0.308	250	✓		✓	✓	✓	✓				✓	✓	✓		✓
15	230	1320	0.279	200	✓		✓	✓	✓	✓				✓	✓	✓		✓
16	231	1458	0.124	175	✓	0434	✓	✓	✓	✓				✓	✓	✓		✓
17	232	1322	0.512	150	✓		✓	✓	✓	✓				✓	✓	✓		✓
18	233	1324	2.839	125	✓		✓	✓	✓	✓				✓	✓	✓		✓
19	234	1325	5.312	100	✓		✓	✓	✓	✓				✓	✓	✓		✓
20	235	1326	6.955	75	✓		✓	✓	✓	✓				✓	✓	✓		✓
21	236	1328	6.949	50	✓		✓	✓	✓	✓				✓	✓	✓		✓
22	237	1452	6.956	25	✓		✓	✓	✓	✓				✓	✓	✓		✓
23	238	1448	6.969	10	✓		✓	✓	✓	✓				✓	✓	✓		✓
24	239	2057	6.994	5	✓		✓	✓	✓	✓				✓	✓	✓		✓

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 3620

Cast # down: 35
Cast # up: 35

Time	LOC	UTC
Begin:		0019
Bottom:		0116
End:		0243

START POSITION (GPS)
LAT: 49 17 04
LONG: 134 40 24

BOTTOM POSITION (GPS)
LAT: 49 17 04
LONG: 134 40 50

END POSITION (GPS)
LAT: 49 16 54
LONG: 134 41 34

Comments: OXYGEN: WHITE BOX
NUTRIENTS: RED PACK

ROSETTE LOG

MISSION ID: 2008-01 STATION: P18 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 6/02/2008

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	240			10														
2	241			10														
3	242			10														
4	243			10			✓	✓				✓						OXY FLASK BROKE
5	244			5		✓		✓				✓						
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: CHL FILTERED 18 HOURS LATER!!!

SHIP: J.P. TULLY

ENTERED BY: MRL

CHECKED BY: DA

Bottom Depth: 3817

Cast # down: 36

Cast # up: 36

Time	LOC	UTC
Begin:		0534
Bottom:		0555
End:		0618

START POSITION (GPS)

LAT: 49 25 94

LONG: 136 40 03

BOTTOM POSITION (GPS)

LAT: 49 25 86

LONG: 136 40 32

END POSITION (GPS)

LAT: 49 25 80

LONG: 136 40 52

ROSETTE LOG

MISSION ID: 2008-01 STATION: P20 CAST NUMBER: 37 UTC DATE (dd/mm/yyyy): 06/02/08

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPLC				
							OXY		DMS	ALK		CHL		CDA				
1	245			300	✓			✓	✓									
2	246			250	✓										✓			
3	247			200	✓			✓	✓									
4	248			175	✓			✓	✓					✓				
5	249			150	✓										✓			
6	250			100	✓			✓	✓			✓	✓	✓				
7	251			75	✓			✓	✓			✓	✓					
8	252			50	✓			✓	✓			✓	✓	✓				
9	253			40	✓			✓	✓			✓	✓					
10	254			30	✓			✓	✓			✓						
11	255			25	✓			✓	✓			✓	✓					
12	256			25	✓								✓				ANGELICA	
13	257			20	✓			✓	✓			✓		✓				
14	258			15	✓			✓	✓			✓						
15	259			10	✓			✓	✓			✓	✓	✓				
16	260			10	✓								✓				ANGELICA	
17	261			5	✓			✓	✓			✓	✓					
18	262			5	✓								✓				ANGELICA	
19	263			5	✓												ONAR	
20	264			5	✓												MARIA	
21	265			0	✓			✓	✓			✓	✓					
22																		
23																		
24																		

Comments: NUTS BLUE RACK

SHIP: TULLY
ENTERED BY: MR
CHECKED BY: HM

Bottom Depth: 3945

Cast # down: 37
Cast # up:

Time	LOC	UTC
Begin:		1931
Bottom:		1936
End:		2000

START POSITION (GPS)
LAT: 49° 33.99
LONG: 138° 39.97

BOTTOM POSITION (GPS)
LAT: 49° 34.01
LONG: 138° 39.98

END POSITION (GPS)
LAT: 49° 34.00
LONG: 138° 40.01

ROSETTE LOG

DEEP CAST

MISSION ID: 2008-01

STATION: P20

CAST NUMBER: 40

UTC DATE (dd/mm/yyyy):

6/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		P11		FCM		
							OXY			ALK		CHL			RAKE		HR	
1	266	1333	3.098	Bot 10	✓ 4020	✓✓	✓	✓		✓				✓	✓✓	✓	3	FLAKES
2	267	1300	2.863	3500	✓ 3500	✓✓												
3	268	1301	2.476	3000	✓	✓✓									✓✓	✓	3	
4	269	1302	1.887	2500	✓	✓✓								✓				
5	270	1305	1.943	2500	✓	✓✓				✓				✓✓				
6	271	1306	1.265	2000	✓	✓✓✓									✓✓	✓	3	
7	272	1307	0.523	1500	✓	✓✓								✓				
8	273	1309	0.305	1250	✓	✓✓												
9	274	1313	0.371	1000	✓	✓✓								✓	✓✓	✓	3	
10	275	1314	0.406	800	✓	✓✓								✓				
11	276	1315	0.648	600	✓	✓✓								✓				
12	277	1318	1.245	400	✓	✓✓		✓							✓✓	✓	3	
13	278	1317	0.319	300	✓	✓✓								✓	✓✓	✓	3	
14	279	1319	0.308	250	✓	✓✓												
15	280	1320	0.384	200	✓	✓✓								✓✓	✓✓	✓	3	
16	281	1321	0.418	175	✓	✓✓												
17	282	1322	0.652	150	✓	✓✓								✓	✓✓	✓	3	
18	283	1324	1.240	125	✓	✓✓	✓											1457/282-1.259
19	284	1373	7.038	100	✓	✓✓								✓	✓✓	✓	3	
20	285	1326	7.040	75	✓	✓✓								✓				
21	286	1328	7.056	50	✓	✓✓								✓	✓✓	✓	3	
22	287	1452	7.045	25	✓	✓✓								✓	✓✓	✓	3	
23	288	1448	7.064	10		✓✓								✓	✓✓	✓	✓✓	
24	289	2020	7.051	5		✓✓	✓	✓		✓				✓				

Comments:

OXY: WHITE

NUTS: YELLOW

SHIP: J.P. TULLY

ENTERED BY: MR

CHECKED BY: DA

Bottom Depth: 3945

Cast # down: 40

Cast # up: 40

Time LOC UTC

Begin: 2112

Bottom: 2217

End: 2319

START POSITION (GPS)

LAT: 49 33 99

LONG: 138 40 08

BOTTOM POSITION (GPS)

LAT: 49 33 94

LONG: 138 40 20

END POSITION (GPS)

LAT: 49 33 99

LONG: 138 40 60

ROSETTE LOG

MISSION ID: 2008-01 STATION: P22 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 8/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
							OXY			ALK		CHL				
1	290			10												
2	291			10												
3	292			10												
4	293	1461	7.456	10				✓	✓			✓				
5	294			5		✓		✓				✓				
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 3915

Cast # down: 41
Cast # up: 41

Time	LOC	UTC
Begin:		0147
Bottom:		0220
End:		0240

START POSITION (GPS)
LAT: 49 41 98
LONG: 140 40 13

BOTTOM POSITION (GPS)
LAT: 49 42 01
LONG: 140 40 34

END POSITION (GPS)
LAT: 49 42 03
LONG: 140 40 41

ROSETTE LOG

MISSION ID: 2008-01 STATION: P 24 CAST NUMBER: 43 UTC DATE (dd/mm/yyyy): 08/02/08

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	296			10	✓ 10													
2	297			10	✓													
3	298			10	✓													
4	299	1457	7.200	10	✓			✓	✓			✓						
5	300			5		✓		✓				✓						
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth:

Cast # down: 43

Cast # up: 43

TimeLOCUTC

Begin:1352

Bottom:1430

End:1504

START POSITION (GPS)

LAT: 49° 50.16

LONG: 142° 40.11

BOTTOM POSITION (GPS)

LAT: 49° 50.18

LONG: 142° 40.03

END POSITION (GPS)

LAT: 49° 50.26

LONG: 142° 39.77

ROSETTE LOG

MISSION ID: 2008-01 STATION: P25 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 08/02/08

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	301			600	-			✓										+ 5 L FOR WENDY
2	302			5	-	✓		✓				✓						5 L FOR WENDY
3	303			5	-													5 L FOR MARIC
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4119

Cast # down: 44
Cast # up: 44

Time	LOC	UTC
Begin:		1857
Bottom:		1831
End:		2000

START POSITION (GPS)
LAT: 50° 00' 03"
LONG: 143° 36' 33"

BOTTOM POSITION (GPS)
LAT: 50 00 00
LONG: 143 36 28

END POSITION (GPS)
LAT: 50 00 03
LONG: 143 36 27

ROSETTE LOG

① Sunset DMS + Shallow ONAR + CDA

MISSION ID: 2008-01 STATION: P26 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 9/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		APL				
							OXY		3ms	ALK		CHL			CDA			
1	304			250	✓										✓			
2	305			200	✓			✓	✓									
3	306			175	✓			✓	✓					✓				
4	307			150	✓										✓			
5	308			100	✓			✓	✓			✓	✓	✓				
6	309			75	✓			✓	✓			✓	✓	✓				
7	310			50	✓			✓	✓			✓	✓	✓				
8	311			40	✓			✓	✓			✓	✓					
9	312			{ 30	✓			✓	✓			✓						
10	313			{ 30	✓													ONAR
11	314			25	✓			✓	✓			✓	✓					
12	315			25	✓								✓					ANGELICA
13	316			{ 20	✓													ONAR
14	317			{ 20	✓			✓	✓			✓			✓			
15	318			15	✓			✓	✓			✓						
16	319			10				✓	✓			✓	✓	✓	✓			
17	320			10									✓					ANGELICA
18	321			10														ONAR
19	322			{ 5														ONAR
20	323			{ 5														MARIA
21	324			{ 5										✓				ANGELICA + phylo
22	325			5				✓	✓			✓	✓					
23	326			0				✓	✓			✓						
24	327			0														ONAR

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 4224

Cast # down: 45
Cast # up: 45

Time	LOC	UTC
Begin:		0218
Bottom:		0223
End:		0240

START POSITION (GPS)
LAT: 49 59 95
LONG: 145 00 24

BOTTOM POSITION (GPS)
LAT: 49 59 94
LONG: 145 00 19

END POSITION (GPS)
LAT: 49 59 89
LONG: 145 00 22

Comments: NUTRIENTS: GREEN RACK

ROSETTE LOG

MISSION ID: 2008-01 STATION: P26 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 9/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3				ECM		
						OXY		pH		ALK		CHL		gas		HR		
1	328	1413	3.297	Bot 70	✓	4300	✓	✓	✓	✓	✓							
2	329	1414	3.182	4000	✓		✓		✓	✓				✓	✓	3		
3	330	1418	2.967	3500	✓				✓	✓								
4	331	1421	2.558	3000	✓				✓					✓	✓	3		
5	332	1424	2.032	2500	✓		✓											
6	333	1426	1.389	2000	✓				✓					✓	✓	3	CALL TO 233 in FILE	
7	334	1427	0.705	1500	✓				✓									
8	335	1428	0.430	1250	✓		✓										1429 ↗ SHOULD BE 29	
9	336	1429	0.318	1000	✓				✓					✓	✓	3	1428 ↘ " " 29	
10	337	1430	0.468	800	✓				✓									
11	338	1432	0.478	600	✓				✓									
12	339	3090	0.792	400	✓				✓					✓	✓	3		
13	340	1433	0.490	300	✓				✓					✓	✓	3		
14	341	1434	0.422	250	✓													
15	342	1451	0.361	200	✓				✓					✓	✓	3		
16	343	1327	0.459	175	✓													
17	344	1329	3.604	150	✓			✓	✓					✓	✓	3		
18	345	1454	4.406	125	✓		✓										9345/18 - 4.401	
19	346	1446	6.640	100	✓				✓					✓	✓	3		
20	347	1445	7.167	75	✓				✓									
21	348	1443	7.322	50	✓				✓					✓	✓	3		
22	349	1440	7.135	25	✓				✓					✓	✓	3		
23	350	1447	7.123	10	✓				✓	✓	✓			✓	✓	3		
24	351	1453	7.140	5	✓			✓	✓	✓	✓							

Comments: OXY: ~~RED~~ BOX LIGHT BLUE
NUTS: RED PACK

SHIP: Tully
ENTERED BY: MR
CHECKED BY: DA

Bottom Depth: 4224

Cast # down: 46
Cast # up: 46

Time	LOC	UTC
Begin:		0334
Bottom:		0437
End:		-0544

START POSITION (GPS)
LAT: 49 59 89
LONG: 145 00 34

BOTTOM POSITION (GPS)
LAT: 49 59 89
LONG: 145 00 34

END POSITION (GPS)
LAT: 49 59 67
LONG: 145 00 70

ROSETTE LOG

MISSION ID: 2008-01 STATION: P26 CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 10/02/08

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	352			4000	✓ 4000													ONAR
2	353			3000	✓													ONAR
3	354			2000	✓													ONAR
4	355			2000	✓													} UBC
5	356			2000	✓													
6	357			2000	✓													
7	358			2000	✓													
8	359			1000	✓													
9	360			1000	✓													} UBC
10	361			1000	✓													
11	362			1000	✓													
12	363			1000	✓													
13	364			500	✓													
14	365			500	✓													} UBC
15	366			500	✓													
16	367			500	✓													
17	368			400														ONAR
18	369			30				✓				✓						MARIA
19	370			10														}
20	371			10														
21	372			10														
22	373			10														
23	374			5				✓				✓						MARIA
24																		

Comments:

SHIP: TULLY
ENTERED BY: ML
CHECKED BY: HM

Bottom Depth:

Cast # down: 47
Cast # up: 47

Time	LOC	UTC
Begin:		1609
Bottom:		1716
End:		1825

START POSITION (GPS)
LAT: 50° 00 30
LONG: 145° 00 06

BOTTOM POSITION (GPS)
LAT: 50° 00 39
LONG: 145° 00 47

END POSITION (GPS)
LAT: 50° 00 69
LONG: 145° 01 16

ROSETTE LOG

MISSION ID: 2008-01

STATION: Mooring

CAST NUMBER: 51

UTC DATE (dd/mm/yyyy): 10/02/2008

CTD TO 200 m!

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY		pH	ALK		CHL						
1	375			55	✓			✓	✓			✓						✓
2	376			50	✓				✓									✓
3	377			45	✓			✓	✓									✓
4	378			40	✓				✓									✓
5	379			35	✓				✓									✓
6	380			30	✓				✓			↓					ONAL	✓
7	381			30	✓												MARIA	
8	382			25	✓				✓									✓
9	383			20	✓				✓								ONAL	✓
10	384			15	✓				✓									✓
11	385			10	✓				✓			✓					ONAL	✓
12	386			5	✓				✓			✓					ONAL	✓
13	387			5	✓												MARIA	
14	388			0				✓	✓			✓					ONAL	✓
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTS' BLUE RACK

SHIP: J.P. TULLY

ENTERED BY: MR

CHECKED BY: DA

Bottom Depth: 2116

Cast # down: 51

Cast # up: 51

Time	LOC	UTC
Begin:		2116
Bottom:		2120
End:		2129

START POSITION (GPS)

LAT: 50 08 25

LONG: 144 50 02

BOTTOM POSITION (GPS)

LAT: 50 08 23

LONG: 144 49 98

END POSITION (GPS)

LAT: 50 08 20

LONG: 144 49 89

ROSETTE LOG

MISSION ID: 2008-01 STATION: CAL 1 CAST NUMBER: 54.55 UTC DATE (dd/mm/yyyy): 13/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		CHL	PH			
1	389			1500		11				✓✓✓								
2	390									✓✓✓								
3	391									✓✓✓								
4	392									✓✓✓								
5	393									✓✓✓								
6	394													✓✓✓✓				
7	395													✓✓✓✓				
8	396																	
9	397																	
10	398																	
11	399																	
12	400																	
13	401																	
14	402																	
15	403																	
16	404																	
17	405																	
18	406																	
19	407																	
20	408																	
21	409																	
22	410																	
23	411																	
24	412			500		✓✓												

Comments:

SHIP: TULLY
ENTERED BY: ML
CHECKED BY: HM

Bottom Depth: 1733

Cast # down: 53
Cast # up: 53

Time	LOC	UTC
Begin:		1942
Bottom:		2005
End:		2031

START POSITION (GPS)
LAT: 53° 21.01
LONG: 135° 29.44

BOTTOM POSITION (GPS)
LAT: 53 21 70
LONG: 135 29 37

END POSITION (GPS)
LAT: 53 21 08
LONG: 135 29 28

ROSETTE LOG

MISSION ID: 2008-01

STATION: M2

CAST NUMBER: 56

UTC DATE (dd/mm/yyyy): 16/12/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPLC				
1	413	1413	3.859	Bot-10	✓ 185			✓	✓									
2	414	1414	4.068	150	✓ 150	✓												
3	415	1418	4.803	125	✓	✓												
4	416	1421	5.931	100	✓				✓			✓						
5	417	1424	6.121	75	✓							✓						
6	418	1426	6.663	50	✓							✓						
7	419	1427	6.800	25	✓			✓	✓			✓						1428 - 6.837
8	420	1429	6.904	10	✓			✓	✓			✓						
9	421	1430	6.905	5		✓	✓	✓				✓						
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: OXY: LABELED BLUE BOX
NUTS: YELLOW RACK

SHIP: J.P. TULLY

ENTERED BY: MR

CHECKED BY: DA

Bottom Depth: 185

Cast # down: 56

Cast # up: 56

Time	LOC	UTC
Begin:		0018
Bottom:		0024
End:		0034

START POSITION (GPS)

LAT: 51 46 45

LONG: 127 53 24

BOTTOM POSITION (GPS)

LAT: 51 46 43

LONG: 127 53 27

END POSITION (GPS)

LAT: 51 46 41

LONG: 127 53 36

ROSETTE LOG

MISSION ID: 2008-01 STATION: M3 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 16/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		APL				
							OXY			ALK		CHL						
1	422	1432	3.100	Bot-10	✓	300		✓	✓									Bot-10
2	423	1453	3.140	250	✓		✓											
3	424	1433	3.426	200	✓		✓											
4	425	1434	3.706	175	✓													
5	426	1451	3.935	150	✓													
6	427	1327	4.938	125	✓													
7	428	1329	5.588	100	✓							✓						
8	429	1454	5.739	75	✓		✓					✓						1446- 5.760
9	430	1445	6.465	50	✓			✓				✓						
10	431	1443	6.696	25	✓							✓	✓					
11	432	1440	6.789	10								✓						
12	433	1447	6.829	5			✓	✓	✓			✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 325

Cast # down: 57
Cast # up:

Time	LOC	UTC
Begin:		0150
Bottom:		0157
End:		0212

START POSITION (GPS)
LAT: 51 46 24
LONG: 127 54 56

BOTTOM POSITION (GPS)
LAT: 51 46 23
LONG: 127 54 53

END POSITION (GPS)
LAT: 51 46 20
LONG: 127 54 57

Comments: LABELED, BLUE BOX
NUTS - Orange Rack

ROSETTE LOG

MISSION ID: 2008-01 STATION: M4 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 16/2/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		HAC				
							OXY			ALK		CHL						
1	434	1456	3.039	Bot-10	✓ 425													
2	435	1338	3.014	400	✓	✓												
3	436	1340	3.151	350	✓	✓		✓										
4	437	1341	3.223	300	✓	✓												
5	438	1344	3.271	250	✓													
6	439	1347	3.817	200	✓		✓											1365 - 3.827
7	440	1351	4.090	175	✓													
8	441	1354	4.658	150	✓													
9	442	1356	5.038	125	✓													
10	443	1358	6.973	100	✓							✓						
11	444	1360	6.897	75	✓							✓						
12	445	1361	6.556	50	✓							✓						
13	446	1362	4.695	25	✓							✓	2					
14	447	1363	4.708	10	✓							✓						
15	448	1364	6.004	5	✓	✓	✓	✓				✓						
16		1366	6.890															
17		1367																
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 433

Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:		0250
Bottom:		0300
End:		0316

START POSITION (GPS)
LAT: 51 44 65
LONG: 128 00 24

BOTTOM POSITION (GPS)
LAT: 51 44 61
LONG: 128 00 27

END POSITION (GPS)
LAT: 51 44 60
LONG: 128 00 14

Comments: OXY: RED BOX
NUTS: BLUE (LIGHT) RACK

ROSETTE LOG

MISSION ID: 2008-01 STATION: M6 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 16/02/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	450			30	1			✓					✓					} MARIA
2	451			5														
3	452			5		✓		✓					✓					
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

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

Bottom Depth: 240

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:		0440
Bottom:		0444
End:		0452

START POSITION (GPS)
LAT: 51 42 69
LONG: 128 07 32

BOTTOM POSITION (GPS)
LAT: 51 42 60
LONG: 128 07 35

END POSITION (GPS)
LAT: 51 42 66
LONG: 128 07 39

ROSETTE LOG

MISSION ID: 2008-01 STATION: R-1 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 16/02/08

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3		CON				
							OXY			ALK		CHL						
1	453	1333	2.102	Bot-10	✓ 320			✓	✓									
2	454	1300	2.113	300	✓	✓		✓	✓									
3	455	—	—	250	✓									✓				
4	456	1301	2.191	250	✓	✓		✓	✓									
5	457	1302	2.437	200	✓			✓	✓									
6	458	1305	3.049	175	✓			✓	✓									
7	459	—	—	150	✓									✓				
8	460	1306	4.213	150	✓			✓	✓									
9	461	1307	5.039	125	✓			✓	✓								1309-5.030	
10	462	—	—	100	✓									✓				
11	463	1313	5.451	100	✓			✓	✓					✓				
12	464	1314	5.935	75	✓			✓	✓					✓				
13	465	—	—	50	✓													
14	466	1315	4.226	50	✓			✓	✓					✓				
15	467	—	—	25	✓									✓				
16	468	1318	6.830	25	✓			✓	✓					✓				
17	469	—	—	10	✓									✓				
18	470	1317	6.700	10	✓			✓	✓					✓				
19	471	1319	6.831	5	✓	✓		✓	✓					✓				
20																		
21																		
22																		
23																		
24																		

Comments: Only - Blue box - labelled
Nat - Orange rock

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

Bottom Depth:

Cast # down: 61
Cast # up: 61

Time	LOC	UTC
Begin:		0813
Bottom:		0823
End:		0840

START POSITION (GPS)
LAT: 51° 26' 18"
LONG: 127° 38' 14"

BOTTOM POSITION (GPS)
LAT: 51° 26' 38"
LONG: 127° 38' 18"

END POSITION (GPS)
LAT: 51° 26' 30"
LONG: 127° 38' 25"

ROSETTE LOG

MISSION ID: 2008-01 STATION: R4 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 16/02/08

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	488	638	1.449	Bot -10	✓	290	✓	✓	✓									
2	489	639	1.994	250	✓													
3	490	647	2.273	200	✓													
4	491	657	2.505	175	✓													
5	492	690	3.374	150	✓		✓											
6	493	700	4.494	125	✓													
7	494	705	4.750	100	✓							✓						
8	495	712	4.604	75	✓		X					✓						1497-5.450
9	496	1497	5.450	50	✓							✓						NOT DUA.
10	497	715	6.120	25	✓							✓	✓					Taken @ 50m
11	498	1105	6.189	10	✓			X				✓						Bot 1 samp. 496
12	499	1110	6.704	5	✓		✓	✓	✓			✓						
13	500	1123	4.683	0?			✓											
14	501	1134	4.666	0?			✓											
15	502	1142	5.501	0?			✓											
16																		
17																		
18	8443	1106	6.204	10														
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:

Cast # down: 74
Cast # up: 74

Time	LOC	UTC
Begin:		1625
Bottom:		1631
End:		1645

START POSITION (GPS)
LAT: 51° 38. 93
LONG: 127° 26. 61

BOTTOM POSITION (GPS)
LAT: 51° 38 91
LONG: 127° 26 60

END POSITION (GPS)
LAT: 51° 38 88
LONG: 127° 26. 55

Comments: OXY- YELLOW BOX
NUTS- WHITE