

ROSETTE LOG

MISSION ID: 2006-15 STATION: SJ03 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 20/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	1			200	✓													
2	2			200	✓													
3	3			200	✓													
4	4			185	✓													
5	5			165	✓													
6	6			150	✓													
7	7			135	✓													
8	8			120	✓													
9	9			120	✓													
10	10			120	✓													
11	11			110	✓													
12	12			105	✓													
13	13			105	✓													
14	14			105	✓													
15	15			97	✓													
16	16			90	✓													
17	17			85	✓													
18	18			75	✓													
19	19			60	✓													
20	20			40	✓													
21	21			20	✓													
22	22			10	✓													
23	23			10	✓													
24	24			10	✓													

Comments: NUTRIENTS: BLUE PACK

SHIP: JOHN P TULLY

ENTERED BY: ML

CHECKED BY: ML

Bottom Depth: 225

Cast # down: 1

Cast # up:

Time	LOC	UTC
Begin:		2058
Bottom:		2103
End:		2121

START POSITION (GPS)

LAT: 48° 35.61

LONG: 123° 29.99

BOTTOM POSITION (GPS)

LAT: 48° 35.59

LONG: 123° 30.02

END POSITION (GPS)

LAT: 48° 35.60

LONG: 123° 29.96

ROSETTE LOG

MISSION ID: 2006-1⁵ STATION: P2 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 21/5/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
						OXY				ALK		CHL						
1	26	1188	0.989	Bot-10	✓	104	✓	✓	✓									
2	27	1256	0.944	100	✓							✓						
3	28	1267	1.379	75	✓													
4	29	1268	1.289	75	✓			✓										
5	30	1272	1.730	50	✓													
6	31	1273	2.551	25	✓													Lid NOT on TIGHT
7	32	1274	5.382	10	✓													
8	33	1276	5.420	5	✓		↓	↓	↓			↓						
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS: GREEN PACK, OXYGEN: GREEN BOX

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

Bottom Depth: 115

Cast # down: 2
Cast # up:

Time	LOC	UTC
Begin:		1541
Bottom:		1545
End:		1555

START POSITION (GPS)	
LAT:	48° 36.08
LONG:	126° 00.04

BOTTOM POSITION (GPS)	
LAT:	48° 36.09
LONG:	126° 00.04

END POSITION (GPS)	
LAT:	48° 36.09
LONG:	126° 00.04

ROSETTE LOG

PAR/UBC/DMS CAST

MISSION ID: 2006-15 STATION: P4 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 21/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPK		Si		
							OXY		DMS		ALK		CHL		H ₂ O ₂			
1	35			300	✓										✓	✓		
2	36			200	✓			✓	✓						✓	✓		
3	37			175	✓			✓	✓					✓				
4	38			150	✓										✓	✓		
5	39			100	✓			✓	✓				✓	✓	✓	✓		
6	40			75	✓			✓	✓						✓	✓		
7	41			75	✓								✓	✓				
8	42			50	✓			✓	✓				✓	✓	✓	✓		
9	43			40	✓			✓	✓				✓	✓	✓	✓		
10	44			35	✓										✓	✓		
11	45			30	✓			✓	✓				✓		✓	✓		
12	46			25	✓			✓	✓						✓	✓		
13	47			25	✓								✓	✓				
14	48			20	✓			✓	✓				✓		✓	✓		
15	49			15	✓			✓	✓				✓		✓	✓		
16	50			10	✓			✓	✓						✓	✓		
17	51			10	✓								✓	✓				
18	52			5	✓			✓	✓						✓	✓		
19	53			5	✓								✓	✓				
20	54			0	✓			✓	✓				✓		✓	✓		
21																		
22																		
23																		
24																		

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

Bottom Depth: 1320

Cast # down: 5

Cast # up:

Time	LOC	UTC
Begin:		<u>2047</u>
Bottom:		<u>2053</u>
End:		<u>2110</u>

START POSITION (GPS)
 LAT: 48° 38.97
 LONG: 126° 39.87

BOTTOM POSITION (GPS)
 LAT: 48° 38.95
 LONG: 126° 39.88

END POSITION (GPS)
 LAT: 48° 39.01
 LONG: 126° 39.84

Comments: NUTRIENTS: BROWN RACK

ROSETTE LOG

UBC CAST

MISSION ID: 2006-15 STATION: P4 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 21/9/2006

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	55			1300	✓ 1299													
2	56			1300	✓													
3	57			1100	✓ 1100													
4	58			1100	✓													
5	59			900	✓ 900													
6	60			900	✓													
7	61			700	✓ 701													
8	62			700	✓													
9	63			500	✓ 500													
10	64			500	✓													
11	65			200	✓ 200													
12	66			200	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth:

Cast # down: 7
Cast # up:

Time	LOC	UTC
Begin:		2226
Bottom:		2251
End:		2314

START POSITION (GPS)
LAT: 48 39 09
LONG: 126 39 07

BOTTOM POSITION (GPS)
LAT: 48° 39 16
LONG: 126 39 79

END POSITION (GPS)
LAT: 48° 39.18
LONG: 126° 39.60

Comments:

ROSETTE LOG

MISSION ID: 2006-15 STATION: P8 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 22/9/2006

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	70	1158	1.657	2000	✓	✓		✓										
2	71	1175	0.680	1500	✓	✓		✓										
3	72	1317	0.399	1250	✓	✓		✓										
4	73	1322	0.243	1000	✓	✓		✓										
5	74	1326	0.266	800	✓	✓		✓										
6	75	1338	0.231	800	✓	✓		✓										
7	76	1351	0.472	600	✓	✓		✓										
8	77	1358	1.331	400	✓	✓		✓										
9	78	1361	2.105	300	✓	✓		✓										
10	79	1362	2.549	250	✓	✓		✓										
11	80	1363	3.343	200	✓	✓		✓										
12	81	1364	3.684	175	✓	✓		✓										
13	82	1367	4.028	150	✓	✓		✓										
14	83	1368	5.212	125	✓	✓		✓										
15	84	1371	6.243	100	✓	✓		✓										
16	85	1373	6.496	75	✓	✓		✓										
17	86	1374	6.822	50	✓	✓		✓										
18	87	1375	6.245	25	✓	✓		✓										
19	88	1376	6.048	10	✓	✓		✓										
20	89	1380	6.062	5	✓	✓		✓										
21																		
22																		
23																		
24																		

Comments: OXYGEN: RED RACK; NUTRIENTS: RED RACK

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

Bottom Depth: 2519

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:	1133	1833
Bottom:	1207	1907
End:		1947

START POSITION (GPS)
LAT: 48 48.99
LONG: 128 40.01

BOTTOM POSITION (GPS)
LAT: 48 48 99
LONG: 128 40 01

END POSITION (GPS)
LAT: 48 48.99
LONG: 128 40 07

ROSETTE LOG

DEEP IOS CAST

MISSION ID: 2006-15 STATION: P12 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 23/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		SF6					
							OXY			ALK		CHL		Si					
1	93	1192	2.474	Bot-15	✓ 3270	✓	✓	✓		✓									
2	94	1195	2.349	3000	✓									✓	✓				
3	95	1206	1.964	2500	✓										✓				
4	96	1212	1.385	2000	✓									✓	✓				
5	97	1216	0.682	1500	✓					✓					✓				
6	98	1223	0.656	1500	✓														
7	99	1225	0.410	1250	✓														
8	100	1228	0.264	1000	✓									✓	✓				
9	101	1231	0.261	800	✓			✓						✓	✓				
10	102	1235	0.515	600	✓									✓	✓				
11	103	1237	1.103	400	✓									✓	✓				
12	104	1238	1.812	300	✓									✓					
13	105	1241	2.463	250	✓														
14	106	1247	3.349	200	✓									✓					
15	107	1258	3.711	175	✓														
16	108	1266	4.666	150	✓									✓					
17	109	1270	5.383	125	✓														
18	110	1279	6.511	100	✓									✓					
19	111	1280	6.727	75	✓									✓	✓				
20	112	1281	6.925	50	✓									✓					
21	113	1331	6.594	25	✓									✓					
22	114	1333	6.028	10	✓														
23	115	1337	6.037	5	✓	✓	✓	✓		✓				✓					
24																			

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

Bottom Depth: 3227

Cast # down: 19
Cast # up:

Time	LOC	UTC
Begin:		0837
Bottom:		0925
End:		1029

START POSITION (GPS)
LAT: 48 58.17
LONG: 130 40.03

BOTTOM POSITION (GPS)
LAT: 48° 58.21
LONG: 130° 39.98

END POSITION (GPS)
LAT: 48° 58.23
LONG: 130° 40.06

Comments: OXYGEN: BLUE BOX; NUTRIENTS: YELLOW RACK

ROSETTE LOG

UBC/DMS CAST

MISSION ID: 2006-15

STATION: P12

CAST NUMBER: 23

UTC DATE (dd/mm/yyyy):

23/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		MPLE		Si		
							OXY		DMS	ALK		CHL		NO ₃				
1	116			200	✓ 200			✓	✓						✓	✓		
2	117			175	✓			✓	✓					✓				
3	118			150	✓										✓	✓		
4	119			100	✓			✓	✓				✓	✓	✓	✓		
5	120			{ 75	✓			✓	✓						✓	✓		
6	121			{ 75	✓								✓	✓				
7	122			50	✓			✓	✓				✓	✓	✓	✓		
8	123			40	✓			✓	✓				✓	✓	✓	✓		
9	124			35	✓										✓	✓		
10	125			30	✓			✓	✓				✓		✓	✓		
11	126			{ 25	✓			✓	✓						✓	✓		
12	127			{ 25	✓								✓	✓				
13	128			20	✓			✓	✓				✓		✓	✓		
14	129			15	✓			✓	✓				✓		✓	✓		
15	130			{ 10	✓			✓	✓						✓	✓		
16	131			{ 10	✓								✓	✓				
17	132			{ 5	✓			✓	✓						✓	✓		
18	133			{ 5	✓								✓	✓				
19	134			0	✓ 1.3			✓	✓				✓		✓	✓		
20																		
21																		
22																		
23																		
24																		

SHIP: TOLLIT

ENTERED BY: P.R.

CHECKED BY: H.M.

Bottom Depth:

Cast # down: 23

Cast # up:

Time LOC UTC

Begin: 1356

Bottom: 1359

End: 1417

START POSITION (GPS)

LAT: 48 58.21

LONG: 130 40.08

BOTTOM POSITION (GPS)

LAT: 48 58 25

LONG: 130 40 04

END POSITION (GPS)

LAT: 48 58 43

LONG: 130 40 98

Comments: NUTRIENTS: ORANGE RACK

ROSETTE LOG

IOS DEEP CAST

MISSION ID: 2006-15 STATION: P16 CAST NUMBER: 27 UTC DATE (dd/mm/yyyy): 24/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Si				
1	138	1327	3.004	Bot-10	✓ 3697	✓	✓	✓		✓								
2	139	1329	2.754	3500	✓													
3	140	1417	2.450	3000	✓									✓				
4	141	1421	1.639	2500	✓													
5	142	1460	1.240	2000	✓									✓				
6	143	1438	0.505	1500	✓					✓								
7	144	1439	0.481	1500	✓													
8	145	1440	0.289	1250	✓													
9	146	1441	0.257	1000	✓									✓				
10	147	1442	0.270	800	✓			✓						✓	✓			
11	148	1443	0.671	600	✓									✓	✓			
12	149	1462	1.135	400	✓									✓	✓			
13	150	1445	1.367	300	✓									✓				
14	151	1446	2.117	250	✓													
15	152	1447	2.892	200	✓									✓				
16	153	1448	3.351	175	✓													
17	154	1449	3.683	150	✓									✓				
18	155	1450	5.126	125	✓													
19	156	1451	6.549	100	✓									✓				
20	157	1452	6.327	75	✓									✓	✓			
21	158	1453	6.375	50	✓									✓				
22	159	1454	6.044	25	✓									✓				
23	160	1456	5.780	10	✓													
24	161	1457	6.073	5	✓									✓				

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth: 3697
SOUNDING: (3620)

Cast # down: 27
Cast # up:

Time	LOC	UTC
Begin:		0949
Bottom:		1046
End:		1156

START POSITION (GPS)
LAT: 49° 16.98
LONG: 134° 40.00

BOTTOM POSITION (GPS)
LAT: 49° 17.00
LONG: 134° 40.01

END POSITION (GPS)
LAT: 49° 17.03
LONG: 134° 39.98

Comments: OXYGEN: BLACK BOX; NUTRIENTS: WHITE RACK

ROSETTE LOG

UBC DEEP CAST

MISSION ID: 2006-15 STATION: P16 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 24/09/06

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	162			3500	✓ 3500													
2	163			3500	✓													
3	164			3000	✓													
4	165			3000	✓													
5	166			2500	✓													
6	167			2500	✓													
7	168			2250	✓													
8	169			2250	✓													
9	170			2000	✓													
10	171			2000	✓													
11	172			1750	✓													
12	173			1750	✓													
13	174			1500	✓													
14	175			1500	✓													
15	176			1250	✓													
16	177			1250	✓													
17	178			1000	✓													
18	179			1000	✓													
19	180			750	✓													
20	181			750	✓													
21	182			500	✓													
22	183			500	✓													
23	184			200	✓													
24	185			200	✓													

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

Bottom Depth: 3697

Cast # down: 29
Cast # up:

Time	LOC	UTC
Begin:		1317
Bottom:		1404
End:		1500

START POSITION (GPS)
LAT: 49° 16.98
LONG: 134° 39.94

BOTTOM POSITION (GPS)
LAT: 49° 16.92
LONG: 134° 40.09

END POSITION (GPS)
LAT: 49° 16.94
LONG: 134° 40.07

Comments:

ROSETTE LOG

-PAR/DMS/UBC SHALLOW CAST

MISSION ID: 2006-15 STATION: P16 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 21/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPLC		Si		
1	186			200	✓			✓	✓							✓	✓	
2	187			175	✓			✓	✓					✓				
3	188			150	✓			✓								✓	✓	
4	189			100	✓			✓	✓					✓	✓	✓	✓	
5	190			{ 75	✓			✓	✓							✓	✓	
6	191			{ 75	✓									✓	✓			
7	192			50	✓			✓	✓					✓	✓	✓	✓	
8	193			40	✓			✓	✓					✓	✓	✓	✓	
9	194			35	✓			✓								✓	✓	
10	195			30	✓			✓	✓					✓		✓	✓	
11	196			{ 25	✓			✓	✓							✓	✓	
12	197			{ 25	✓									✓	✓			
13	198			20	✓			✓	✓					✓		✓	✓	
14	199			15	✓			✓	✓					✓		✓	✓	
15	200			{ 10	✓			✓	✓							✓	✓	
16	201			{ 10	✓									✓	✓			
17	202			{ 5	✓			✓	✓							✓	✓	
18	203			{ 5	✓									✓	✓			
19	204			0	✓			✓	✓					✓		✓	✓	
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 3620

Cast # down: 34
Cast # up:

Time	LOC	UTC
Begin:	1356	2056
Bottom:		2101
End:		2118

START POSITION (GPS)
LAT: 49° 16.97
LONG: 134° 40.03

BOTTOM POSITION (GPS)
LAT: 49° 16.98
LONG: 134° 40.02

END POSITION (GPS)
LAT: 49° 17.00
LONG: 134° 40.03

Comments: NUTRIENTS: LIGHT BLUE RACK

ROSETTE LOG

PAR/DMS/OC SHALLOW CAST

MISSION ID: 2006-15 STATION: P20 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 26/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		APC		Si		
							OXY		DMS		ALK		CHL		NOS			
1	208			200	✓			✓	✓						✓	✓		
2	209			175	✓			✓	✓					✓				
3	210			150	✓			✓							✓	✓		
4	211			100	✓			✓	✓				✓	✓	✓	✓		
5	212			{ 75	✓			✓	✓						✓	✓		
6	213			{ 75	✓								✓	✓				
7	214			50	✓			✓	✓				✓	✓	✓	✓		
8	215			40	✓			✓	✓				✓	✓	✓	✓		
9	216			35	✓			✓							✓	✓		
10	217			30	✓			✓	✓				✓		✓	✓		
11	218			{ 25	✓			✓	✓						✓	✓		
12	219			{ 25	✓								✓	✓				
13	220			20	✓			✓	✓				✓		✓	✓		
14	221			15	✓			✓	✓				✓		✓	✓		
15	222			{ 10	✓			✓	✓						✓	✓		
16	223			{ 10	✓								✓	✓				
17	224			{ 5	✓			✓	✓						✓	✓		
18	225			{ 5	✓								✓	✓				
19	226			0				✓	✓				✓		✓	✓		
20	226B																	
21																		
22																		
23																		
24																		

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0011
Bottom:		0016
End:		0035

START POSITION (GPS)
LAT: 49° 34.04
LONG: 138° 40.10

BOTTOM POSITION (GPS)
LAT: 49° 34.04
LONG: 138° 40.15

END POSITION (GPS)
LAT: 49° 33.98
LONG: 138° 40.01

Comments: NUTRIENTS SHALLOW RACK TRIPPED BOTTLE 20
ORANGE

ROSETTE LOG

IOS DEEP CAST

MISSION ID: 2006-15

STATION: P20

CAST NUMBER: 45

UTC DATE (dd/mm/yyyy):

26/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		556					
1	227	1192	3.546	Bot-10	✓	4020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	228	1195	2.898	3500	✓					✓									
3	229	1206	2.869	3500	✓														
4	230	1212	2.508	3000	✓									✓					
5	231	1216	1.953	2500	✓														
6	232	1223	1.305	2000	✓									✓					
7	233	1225	0.577	1500	✓														
8	234	1228	0.399	1250	✓														
9	235	1231	0.339	1000	✓			✓						✓					
10	236	1235	0.360	800	✓									✓	✓				
11	237	1237	0.566	600	✓									✓	✓				
12	238	1238	1.158	400	✓									✓	✓				
13	239	1241	1.868	300	✓									✓					
14	240	1247	2.594	250	✓														
15	241	1258	3.672	200	✓									✓					
16	242	1260	4.328	175	✓														
17	243	1270	4.715	150	✓									✓					
18	244	1279	6.222	125	✓														
19	245	1280	6.815	100	✓									✓					
20	246	1281	6.980	75	✓									✓	✓				
21	247	1331	7.933	50	✓									✓					
22	248	1333	6.214	25	✓									✓					
23	249	1337	6.211	10	✓														
24	250	1344	6.245	5	✓									✓					

SHIP: TULLY

ENTERED BY:

CHECKED BY: H.M.

Bottom Depth: 3944

Cast # down: 45

Cast # up:

Time LOC UTC

Begin: 0809

Bottom: 0914

End: 1017

START POSITION (GPS)

LAT: 49° 34.03

LONG: 138° 39.97

BOTTOM POSITION (GPS)

LAT: 49° 34.04

LONG: 138° 40.00

END POSITION (GPS)

LAT: 49° 33.99

LONG: 138° 40.00

Comments: NUTRIENTS: BLUE BACK; OXYGEN: BLUE BOX

ROSETTE LOG

UBC CAST

MISSION ID: 2006-15 STATION: P20 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 26/09/06

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	251			3850	✓													
2	252			3850	✓													
3	253			3500	✓													
4	254			3500	✓													
5	255			3000	✓													
6	256			3000	✓													
7	257			2500	✓													
8	258			2500	✓													
9	259			2250	✓													
10	260			2250	✓													
11	261			2000	✓													
12	262			2000	✓													
13	263			1750	✓													
14	264			1750	✓													
15	265			1500	✓													
16	266			1500	✓													
17	267			1000	✓													
18	268			1000	✓													
19	269			750	✓													
20	270			750	✓													
21	271			500	✓													
22	272			500	✓													
23	273			200	✓													
24	274			200	✓													

SHIP: TULLY

ENTERED BY:

CHECKED BY: H.M.

Bottom Depth: 3945

Cast # down: 48

Cast # up:

Time	LOC	UTC
Begin:		1245
Bottom:		1335
End:		1436

START POSITION (GPS)

LAT: 49° 33.97

LONG: 138° 39.90

BOTTOM POSITION (GPS)

LAT: 49° 33.98

LONG: 138° 40.00

END POSITION (GPS)

LAT: 49° 33.84

LONG: 138° 40.03

Comments:

ROSETTE LOG

IOS DEEP CAST

MISSION ID: 2006-15 STATION: P26 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 28/09/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		SF6				
							OXY			ALK		CHL						
1	281	1183	4.003	Bd-10	✓ 4318	✓	✓	✓										
2	282	1256	3.231	4000	✓													
3	283	1267	2.962	3500	✓													
4	284	1268	2.550	3000	✓					✓				✓				
5	285	1272	1.994	2500	✓													
6	286	1273	1.318	2000	✓									✓				
7	287	1274	0.570	1500	✓							✓						
8	288	1276	0.388	1250	✓			✓										
9	289	1278	0.349	1000	✓									✓				
10	290	1300	0.451	800	✓									✓	✓			
11	291	1301	0.634	600	✓									✓	✓			
12	292	1302	0.963	400	✓									✓	✓			
13	293	1305	1.261	300	✓									✓				
14	294	1306	1.696	250	✓													
15	295	1307	2.354	200	✓									✓				
16	296	1309	2.856	175	✓													
17	297	1310	3.351	150	✓									✓				
18	298	1311	4.419	125	✓													
19	299	1313	6.214	100	✓									✓				
20	300	1314	6.862	75	✓									✓	✓			
21	301	1315	7.124	50	✓									✓				
22	302	1146	6.287	25	✓									✓				
23	303	1318	6.290	10	✓													
24	304	1319	6.274	5	✓									✓				

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

Bottom Depth: 4222

Cast # down: 60
Cast # up:

Time	LOC	UTC
Begin:		1030
Bottom:		1129
End:		1252

START POSITION (GPS)
LAT: 50° 00.05
LONG: 145° 00.11

BOTTOM POSITION (GPS)
LAT: 50° 00.07
LONG: 145° 00.00

END POSITION (GPS)
LAT: 50° 00.04
LONG: 145° 00.05

Comments: NUTRIENTS: GREEN RACK; OXYGEN: GREEN BOX

ROSETTE LOG

SUNRISE DMS CAST

MISSION ID: 2006-15 STATION: P26 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 28/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPC		PHYTO		
							OXY		DMS	ALK		CHL		VW				
1	305			200	✓			✓	✓									
2	306			175	✓									✓				
3	307			100	✓			✓						✓				
4	308			75	✓									✓✓				
5	309			50	✓									✓				
6	310			40	✓									✓				
7	311			30	✓													
8	312			25	✓									✓✓				
9	313			20	✓													
10	314			15	✓													
11	315			{ 10	✓			✓	✓					✓✓				
12	316			{ 10	✓										✓✓✓			
13	317			{ 5	✓										✓✓	✓✓✓		
14	318			{ 5	✓			✓	✓					✓✓				
15	319			0	✓			✓	✓					✓				
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4223

Cast # down: 61
Cast # up:

Time	LOC	UTC
Begin:		1520
Bottom:		1525
End:		1540

START POSITION (GPS)
LAT: 50°00.02
LONG: 144°59.89

BOTTOM POSITION (GPS)
LAT: 50°00.01
LONG: 144°59.90

END POSITION (GPS)
LAT: 50°00.01
LONG: 144°59.97

Comments: VW: WATER FOR VALERIA WILCOX UVIC PHYTO: FOR ANGERICA MELAME
NUTRIENTS: RED RACIC

ROSETTE LOG

NOON DMS CAST

MISSION ID: 2006-15

STATION: P26

CAST NUMBER: 63

UTC DATE (dd/mm/yyyy):

28/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		HPCC		Si		
							OXY		DM	ALK		CHL		NO3				
1	320			200	✓													} WATER FOR UBC
2	321			200	✓													
3	322			200	✓			✓	✓						✓	✓		
4	323			175	✓			✓	✓					✓				
5	324			150	✓			✓							✓	✓		
6	325			100	✓			✓	✓			✓	✓	✓	✓			
7	326			75	✓			✓	✓					✓	✓			
8	327			75	✓							✓	✓					
9	328			50	✓			✓	✓			✓	✓	✓	✓			
10	329			40	✓			✓	✓			✓	✓	✓	✓			
11	330			35	✓			✓						✓	✓			
12	331			30	✓			✓	✓			✓		✓	✓			
13	332			25	✓			✓	✓					✓	✓			
14	333			25	✓							✓	✓					
15	334			20	✓			✓	✓			✓		✓	✓			
16	335			15	✓			✓	✓			✓		✓	✓			
17	336			10	✓			✓	✓					✓	✓			
18	337			10	✓							✓	✓					
19	338			5	✓			✓	✓					✓	✓			
20	339			5	✓							✓	✓					
21	340			0	✓			✓	✓			✓		✓	✓			
22																		
23																		
24																		

SHIP: JOHN P. TULLY

ENTERED BY: MR

CHECKED BY: MR

Bottom Depth: 422.2

Cast # down: 63

Cast # up:

Time LOC UTC

Begin: 2120

Bottom: 2124

End: 2139

START POSITION (GPS)

LAT: 50°00.06

LONG: 145°00.05

BOTTOM POSITION (GPS)

LAT: 50°00.04

LONG: 145°00.08

END POSITION (GPS)

LAT: 50°00.01

LONG: 145°00.04

Comments: NUTRIENTS: YELLOW BACK

ROSETTE LOG

MISSION ID: 2006-15 STATION: P26 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 29/9/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	DM3	TCO	ALK	C13	CHL	APC				
1	341			200	✓													
2	342			175	✓									✓				
3	343			100	✓									✓				
4	344			75	✓									✓✓				
5	345			50	✓									✓				
6	346			40	✓									✓				
7	347			30	✓													
8	348			25	✓									✓✓				
9	349			20	✓													
10	350			15	✓													
11	351			10	✓			✓						✓✓				
12	352			5	✓									✓✓				
13	353			0														
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS: BROWN RACK

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

Bottom Depth: 4222

Cast # down: 66
Cast # up:

Time	LOC	UTC
Begin:		0319
Bottom:		0324
End:		0338

START POSITION (GPS)
LAT: 49.59.97
LONG: 145.00.01

BOTTOM POSITION (GPS)
LAT: 49.59.96
LONG: 144.59.99

END POSITION (GPS)
LAT: 50.00.00
LONG: 145.00.07

ROSETTE LOG

UBC DEEP CAST

MISSION ID: 2006-15 STATION: P26 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 29/09/06

		ROSETTE OPERATION		Samples taken													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY				ALK		CHL				
1	354			3850	✓												
2	355			3850	✓												
3	356			3500	✓												
4	357			3500	✓												
5	358			3000	✓												
6	359			3000	✓												
7	360			2500	✓												
8	361			2500	✓												
9	362			2250	✓												
10	363			2250	✓												
11	364			2000	✓												
12	365			2000	✓												
13	366			1750	✓												
14	367			1750	✓												
15	368			1500	✓												
16	369			1500	✓												
17	370			1000	✓												
18	371			1000	✓												
19	372			750	✓												
20	373			750	✓												
21	374			500	✓												
22	375			500	✓												
23	376			200	✓												
24	377			200	✓												

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

Bottom Depth:

Cast # down: 67
Cast # up:

Time	LOC	UTC
Begin:		1211
Bottom:		1304
End:		1410

START POSITION (GPS)
LAT: 50° 00.03
LONG: 144° 59.93

BOTTOM POSITION (GPS)
LAT: 50° 00.01
LONG: 145° 00.05

END POSITION (GPS)
LAT: 50° 00.03
LONG: 145° 00.24

Comments:

ROSETTE LOG

MISSION ID: 2006-15 STATION: Z1 CAST NUMBER: 76 UTC DATE (dd/mm/yyyy): 30/09/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	380			2000	✓	✓				///						
2	381				✓					///						
3	382				✓					///						
4	383				✓					///						
5	384				✓					///						
6	385				✓											
7	386				✓											
8	387				✓											
9	388				✓											
10	389				✓											
11	390				✓											
12	391				✓											
13	392				✓											
14	393				✓											
15	394				✓											
16	395				✓											
17	396				✓											
18	397				✓											
19	398				✓											
20	399				✓											
21	400				✓											
22	401				✓											
23	402			2000	✓											
24	403			5	✓			✓				✓				

Comments:

SHIP: JP Navy
ENTERED BY: MA
CHECKED BY:

Bottom Depth: 3710

Cast # down: 76
Cast # up: 76

Time	LOC	UTC
Begin:	12:35	1935
Bottom:	1302	2002
End:	1324	2024

START POSITION (GPS)
LAT: 51 21.061
LONG: 145 0.329

BOTTOM POSITION (GPS)
LAT: 51 21.106
LONG: 145 0.522

END POSITION (GPS)
LAT: 51 21.266
LONG: 145 0.659

ROSETTE LOG

MISSION ID: 2006-15 STATION: 24 CAST NUMBER: 81 UTC DATE (dd/mm/yyyy): 01/10/2006

Niskin No.	Sample No.	OXY. Flask	ROSETTE OPERATION Sample Depth	Confirmed pressure	Samples taken										
					SAL	OXY	NUT	TCO	ALK	C13	CHL				
1	406	1188	2.016	2000	✓	2005	✓	✓	✓						1158
2	407	1256	0.654	1500	✓		✓	✓	✓						
3	408	1267	0.494	1250	✓		✓	✓	✓						
4	409	1268	0.434	1000	✓		✓	✓	✓						
5	410	1272	0.486	800	✓		✓	✓	✓						
6	411	1273	0.503	600	✓			✓	✓						
7	412	1274	6.714	400	✓			✓	✓						
8	413	1276	0.952	300	✓			✓	✓						
9	414	1278	1.850	250	✓										
10	415	1300	1.831	200	✓			✓							
11	416	1301	2.287	175	✓										
12	417	1302	2.707	150	✓			✓							
13	418	1305	3.487	125	✓		✓								
14	419	1306	4.852	100	✓			✓		✓					
15	420	1307	6.951	75	✓			✓		✓					
16	421	1309	7.178	50	✓			✓		✓					
17	422	1310	6.403	25	✓			✓		✓					
18	423	NO SAMPLE		10	✓					✓					DID NOT TRIGGER
19	424	1313	6.402	5	✓		✓	✓	✓	✓					
20															
21															
22															
23															
24															

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

Bottom Depth: 4035

Cast # down: 81
Cast # up: 81

Time	LOC	UTC
Begin:	0320	1020
Bottom:		1053
End:		1141

START POSITION (GPS)
LAT: 52° 38.99
LONG: 145° 00.15

BOTTOM POSITION (GPS)
LAT: 52° 38.97
LONG: 145° 00.05

END POSITION (GPS)
LAT: 52° 38.99
LONG: 145° 00.04

Comments: OXYGEN: GREEN + RED BOXES NUTRIENTS: BLUE RACK

ROSETTE LOG

MISSION ID: 2006-15 STATION: Z 9 CAST NUMBER: 87 UTC DATE (dd/mm/yyyy): 02/10/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		JO		ALK	CHL	
1	429	1192	1.201	2000	✓	✓		✓		✓								
2	430	1195	0.633	1500	✓	✓				✓								B
3	431	1206	0.465	1250	✓	✓				✓								B
4	432	1212	0.385	1000	✓	✓				✓								B
5	433	1216	0.389	800	✓	✓		✓		✓								B
6	434	1223	0.477	600	✓					✓								
7	435	1225	0.689	400	✓					✓								B
8	436	1228	0.902	300	✓					✓								B
9	437	1231	1.258	250	✓													
10	438	1235	1.917	200	✓					✓				✓				
11	439	1237	2.423	175	✓													
12	440	1238	2.803	150	✓					✓								
13	441	1241	4.138	125	✓													
14	442	1247	5.397	100	✓					✓				✓				
15	443	1258	6.934	75	✓					✓				✓				
16	444	1260	7.150	50	✓					✓				✓				
17	445	1270	6.193	25	✓					✓				✓				
18	446	1279	6.426	10	✓									✓				
19	447	1280	6.422	5	✓	✓	✓	✓		✓				✓	✓			
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 4001

Cast # down: 87
 Cast # up: 87

Time	LOC	UTC
Begin:	<u>026</u>	<u>0726</u>
Bottom:	<u>053</u>	<u>0753</u>
End:	<u>140</u>	<u>0840</u>

START POSITION (GPS)
 LAT: 55 0.107
 LONG: 144 59.95

BOTTOM POSITION (GPS)
 LAT: 55 0.034
 LONG: 144 59.900

END POSITION (GPS)
 LAT: 55 0.043
 LONG: 144 59.982

Comments: NUTRIENTS: RED RACK; OXYGEN: BLUE BOX

Note: Sample bottle for NH₄ (NO₃) was missing. No sample taken as couldn't find any replacement.

ROSETTE LOG

UBC CAST

MISSION ID: 2006-15 STATION: Z 9 CAST NUMBER: 88 UTC DATE (dd/mm/yyyy): 02/10/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	448			3850	✓													
2	449			3850	✓													
3	450			3500	✓													
4	451			3500	✓													
5	452			3000	✓													
6	453			3000	✓													
7	454			2500	✓													
8	455			2500	✓													
9	456			2250	✓													
10	457			2250	✓													
11	458			2000	✓													
12	459			2000	✓													
13	460			1750	✓													
14	461			1750	✓													
15	462			1500	✓													
16	463			1500	✓													
17	464			1000	✓													
18	465			1000	✓													
19	466			750	✓													
20	467			750	✓													
21	468			500	✓													
22	469			500	✓													
23	470			200	✓													
24	471			200	✓													

SHIP:
ENTERED BY: MA
CHECKED BY:

Bottom Depth: 4015

Cast # down: 88
Cast # up: 88

Time	LOC	UTC
Begin:	0307	1007
Bottom:		1058
End:		1202

START POSITION (GPS)
LAT: 55 0.041
LONG: 144 59.970

BOTTOM POSITION (GPS)
LAT: 54° 59.99
LONG: 145° 00.04

END POSITION (GPS)
LAT: 55° 00.04
LONG: 144° 59.98

Comments:

ROSETTE LOG

MISSION ID: 2006-15 STATION: 214 CAST NUMBER: 100 UTC DATE (dd/mm/yyyy): 04/10/06

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	476	1192	1.235	2000	✓ 2005	✓	✓	✓										
2	477	1195	0.930	1500	✓	✓												
3	478	1206	0.487	1250	✓	✓												
4	479	1212	0.362	1000	✓	✓												
5	480	1216	0.355	800	✓	✓												
6	481	1223	0.432	600	✓													
7	482	1225	0.611	400	✓													
8	483	1228	0.959	300	✓													
9	484	1231	1.269	250	✓													
10	485	1235	1.785	200	✓							✓						
11	486	1237	2.076	175	✓													
12	487	1238	2.443	150	✓													
13	488	1241	2.772	125	✓													
14	489	1247	2.999	100	✓							✓						
15	490	1258	4.962	75	✓			✓										
16	491	1260	5.781	50	✓													
17	492	1270	6.193	25	✓													
18	493	1279	6.450	10	✓													
19	494	1280	6.446	5	✓	✓	✓	✓				✓	✓					
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS GREEN RACK OXY BLUE BOX
CHCS STAYED IN FRIDGE UNTIL ~0830 A OCT LOCAL TIME

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

Bottom Depth:

Cast # down: 100
Cast # up:

Time	LOC	UTC
Begin:		0009
Bottom:		0034
End:		0116

START POSITION (GPS)
LAT: 57° 30.01
LONG: 145° 00.22

BOTTOM POSITION (GPS)
LAT: 57° 29.91
LONG: 145° 00.12

END POSITION (GPS)
LAT: 57° 29.85
LONG: 144° 59.99

ROSETTE LOG

MISSION ID: 2006-15 STATION: Argo 0 CAST NUMBER: 111 UTC DATE (dd/mm/yyyy): 05/10/06

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	497	1192	1.469	2000	✓ 2005	✓	✓											
2	498	1195	0.633	1500	✓	✓												
3	499	1206	0.454	1250	✓	✓												
4	500	1212	0.385	1000	✓	✓		✓										
5	501	1216	0.434	800	✓	✓												
6	502	1223	0.466	600	✓													
7	503	1225	0.947	400	✓													
8	504	1228	1.519	300	✓													
9	505	1231	2.089	250	✓													
10	506	1235	2.613	200	✓													
11	507	1237	2.909	175	✓													
12	508	1238	3.207	150	✓													
13	509	1241	3.840	125	✓													
14	510	1247	4.909	100	✓													
15	511	1258	6.018	75	✓							✓						
16	512	1260	6.300	50	✓							✓						
17	513	1270	6.146	25	✓							✓						
18	514	1279	6.342	10	✓							✓						
19	515	1280	6.346	5	✓	✓	✓					✓						
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS ORANGE RACK OXY- BLUE BOX

SHIP: JOHN P TULLY
ENTERED BY: MR
CHECKED BY: H.M.

Bottom Depth: 3575

Cast # down: 111
Cast # up:

Time	LOC	UTC
Begin:		0733
Bottom:		0802
End:		0850

START POSITION (GPS)
LAT: 55° 59.99
LONG: 141° 00.03

BOTTOM POSITION (GPS)
LAT: 56° 00.05
LONG: 141° 00.26

END POSITION (GPS)
LAT: 55° 59.91
LONG: 141° 00.45

ROSETTE LOG

MISSION ID: 2006-15 STATION: SSI CAST NUMBER: 113 UTC DATE (dd/mm/yyyy): 07/10/2006

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	516	1158	1.275	Bot-10	✓ 487	✓		✓								
2	517	1175	1.375	400	✓	✓		✓								
3	518	1317	1.762	300	✓	✓		✓								SAMPLE = 919
4	519	1322	1.823	250	✓	✓										
5	520	1326	1.893	200	✓											
6	521	1338	1.915	175	✓											
7	522	1351	2.130	150	✓											
8	523	1358	2.405	125	✓											
9	524	1361	4.085	100	✓							✓				
10	525	1362	5.892	75	✓							✓				
11	526	1363	5.649	50	✓							✓				
12	527	1364	6.327	25	✓							✓				
13	528	1367	6.339	10	✓							✓				
14	529	1368	6.431	5	✓	✓	✓	✓				✓				
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: Yellow rack nuts

SHIP: JP Tully
 ENTERED BY: MA
 CHECKED BY:

Bottom Depth: 497

Cast # down: 113
 Cast # up: 113

Time	LOC	UTC
Begin:	<u>0247</u>	<u>0947</u>
Bottom:	<u>0255</u>	<u>0955</u>
End:	<u>0318</u>	<u>1018</u>

START POSITION (GPS)
 LAT: 51 11.978
 LONG: 130 0.018

BOTTOM POSITION (GPS)
 LAT: 51 11.972
 LONG: 130 0.008

END POSITION (GPS)
 LAT: 51 11.974
 LONG: 130 0.043

ROSETTE LOG

MISSION ID: 2006-15 STATION: 553 CAST NUMBER: 116 UTC DATE (dd/mm/yyyy): 7/10/06

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	531			8-10	✓ 281	✓		↓								
2	532			250	✓	✓										
3	533			200	✓	✓										
4	534			175	✓											
5	535			150	✓											
6	536			125	✓											
7	537			100	✓							✓				
8	538			75	✓							↓				
9	539			50	✓							↓				
10	540			25	✓											
11	541			10	✓											
12	542			5	✓	✓		↓				✓				
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 289

Cast # down: 116
Cast # up:

Time	LOC	UTC
Begin:		1357
Bottom:		1403
End:		1419

START POSITION (GPS)
LAT: 51° 14.96
LONG: 129° 21.35

BOTTOM POSITION (GPS)
LAT: 51° 14.94
LONG: 129° 21.35

END POSITION (GPS)
LAT: 51° 14.99
LONG: 129° 21.30

Comments: NUTS- BROWN RACK

ROSETTE LOG

MISSION ID: 2006-15 STATION: SSS CAST NUMBER: 119 UTC DATE (dd/mm/yyyy): 07/10/2006

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	544	1188	1.547	Bot-10	✓ 197	✓	✓											
2	545	1256	1.290	175	✓	✓												DEPTH 197 in File (175)
3	546	1267	1.645	150	✓													
4	547	1268	1.807	125	✓													
5	548	1272	2.472	100	✓													
6	549	1273	2.882	75	✓													
7	550	1274	3.818	50	✓													
8	551	1276	4.223	25	✓			✓										
9	552	1278	4.481	10	✓													
10	553	1300	6.192	5	✓	✓	✓	✓				✓						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: O₂ - GREEN NUTS - RED RACIL

SHIP: JP TULLY
ENTERED BY: DY
CHECKED BY:

Bottom Depth: 202

Cast # down: 119
Cast # up: 119

Time	LOC	UTC
Begin:	1133	1833
Bottom:	1137	1837
End:	1150	1850

START POSITION (GPS)
LAT: 51 28.01
LONG: 128 30.01

BOTTOM POSITION (GPS)
LAT: 51 28.00
LONG: 128 30.00

END POSITION (GPS)
LAT: 51 28.007
LONG: 128 29.958

ROSETTE LOG

MISSION ID: 2006-15 STATION: SS7 CAST NUMBER: 122 UTC DATE (dd/mm/yyyy): 07/10/2006

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	555			Bot-10	✓ 115	✓		✓										
2	556			100	✓	✓						✓						
3	557			75	✓			✓				✓						
4	558			50	✓							✓						
5	559			30	✓							✓						
6	560			20	✓							✓						
7	561			10	✓							✓						
8	562			5	✓	✓						✓						
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: JP Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 123

Cast # down: 122
Cast # up:

Time	LOC	UTC
Begin:		2259
Bottom:		2302
End:		2312

START POSITION (GPS)
LAT: 51° 24.71
LONG: 127° 47.65

BOTTOM POSITION (GPS)
LAT: 51° 24.70
LONG: 127° 47.65

END POSITION (GPS)
LAT: 51° 24.60
LONG: 127° 47.61

Comments: NUTRIENTS: LIGHT BLUE RACK

ROSETTE LOG

MISSION ID: 2006-15 STATION: R01 CAST NUMBER: 123 UTC DATE (dd/mm/yyyy): 8/10/06

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	563	1192	2.151	Bot-10	✓	314												
2	564	1195	2.162	300	✓		✓											
3	565	1206	2.221	250	✓		✓											
4	566	1212	2.108	200	✓													
5	567	1216	2.144	175	✓			✓										
6	568	1223	2.145	150	✓													
7	569	1225	2.189	125	✓													
8	570	1228	2.293	100	✓													
9	571	1231	2.576	75	✓													
10	572	1235	3.281	50	✓													
11	573	1237	3.894	30	✓													
12	574	1238	3.932	20	✓													
13	575	1241	3.780	10	✓													
14	576	1247	3.887	5	✓		✓	✓	✓			✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 324

Cast # down: 123
Cast # up: 123

Time	LOC	UTC
Begin:		0006
Bottom:		0011
End:		0031

START POSITION (GPS)
LAT: 51° 26.43
LONG: 127° 38.20

BOTTOM POSITION (GPS)
LAT: 51° 26.42
LONG: 127° 38.19

END POSITION (GPS)
LAT: 51° 26.36
LONG: 127° 38.17

Comments: NOTES - BLUE RACK - OXY BLUE BOX

ROSETTE LOG

MISSION ID: 2006-15 STATION: Ri 4 CAST NUMBER: 126 UTC DATE (dd/mm/yyyy): 8/10/06

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	579	1327	2.013	Bot-10	✓ 290													
2	580	1329	2.198	250	✓ 251	✓												
3	581	1417	2.254	200	✓ 200	✓												
4	582	1421	2.272	175	✓ 175													
5	583	1460	2.315	150	✓ 148													
6	584	1438	2.352	125	✓ 125													
7	585	1439	2.250	100	✓ 101													
8	586	1440	2.324	75	✓ 75													
9	587	1441	2.943	50	✓ 50													
10	588	1442	3.300	30	✓ 30			✓										
11	589	1443	3.481	20	✓ 20													
12	590	1462	3.697	10	✓ 10													
13	591	1445	4.075	5	✓ 5	✓	✓	✓				✓						
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. TOLL
 ENTERED BY: ML
 CHECKED BY:

Bottom Depth: 310

Cast # down: 126
 Cast # up: 126

Time	LOC	UTC
Begin:	<u>2010</u>	<u>0310</u>
Bottom:	<u>2015</u>	<u>0315</u>
End:	<u>2031</u>	<u>0331</u>

START POSITION (GPS)
 LAT: 51 38.93
 LONG: 127 26 62

BOTTOM POSITION (GPS)
 LAT: 51 38.95
 LONG: 127 26.64

END POSITION (GPS)
 LAT: 51 38.97
 LONG: 127 26.67

Comments: Nutrients: White
Oxygens: Black