

ROSETTE LOG

MISSION ID: 2002-032 STATION: CSØ1 CAST NUMBER: 0003 UTC DATE (dd/mm/yyyy): 19 Sept 2002

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	1			2096		X												
2	2			2096		X												Needed? not taken
3	3			2096		X												Needed? not taken
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: S. Rowine

CHECKED BY:

Bottom Depth:

Cast # down: 0003

Cast # up:

Time

LOC

UTC

Begin: 1333

Bottom: 1A14

End: 1454

START POSITION (GPS)

LAT: 50° 34.72

LONG: -129° 41.50

BOTTOM POSITION (GPS)

LAT: 50° 34.66

LONG: -129° 41.94

END POSITION (GPS)

LAT: 50° 34.76

LONG: -129° 42.33

10.10

1010 / 3508

1005

717

ROSETTE LOG

MISSION ID: 2002-32

STATION: CS02

CAST NUMBER: 012

UTC DATE (dd/mm/yyyy):

19/09/02

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	2	*1326	1.155	bottom-10	✓ 1869	X	X	XX		1.145		1.154				(put in * wrong flask # + depth)
2	3	1327	0.724	1500	✓ 1500			1		.717						
3	4	1328	0.353	1200	✓ 1199					.349						
4	5	1337	0.252	1000	✓ 998											
5	6	1329	0.269	800	✓ 802											
6	7	1358	0.579	600	✓ 601											
7	8	1332	1.079	500	✓ 500											
8	9	1331	1.925	400	✓ 398											
9	10	1333	2.476	300	✓ 298											
10	11	1334	2.785	250	✓ 250											
11	12	1335	3.493	200	✓ 199											Dosimat error of some sort
12	13	1344	4.249	175	✓ 175											- again an error
13	14	1338	5.396	150	✓ 150											(hasty bubbles - will clean them)
14	15	1341	6.193	125	✓ 125											- looks good now
15	16	1340	6.609	100	✓ 100											
16	17	1342	6.864	75	✓ 75											
17	18	1336	7.124	50	✓ 50							X				
18	19	1345	6.268	30	✓ 30							X				
19	20	1346	6.256	20	✓ 20							X				
20	21	1347	6.240	10	✓ 10			V		6.194		X				
21	22	1348	6.237	0	✓ 1			XX		6.191		X				
22																
23																
24																

Comments:

SHIP: Tully
 ENTERED BY: S. Ransing / S.T.
 CHECKED BY:

Bottom Depth: 1870

Cast # down: 12

Cast # up: 12

Time	LOC	UTC
Begin:	<u>2</u>	<u>2351</u>
Bottom:		<u>0022</u>
End:		<u>0108</u>

START POSITION (GPS)
 LAT: 50 41.85
 LONG: -129 27.80

BOTTOM POSITION (GPS)
 LAT: 50 41.85
 LONG: 129 27.94

END POSITION (GPS)
 LAT: 50 42.25
 LONG: 129 28.40

.005 10.10
.717 .010/3508

ROSETTE LOG

MISSION ID: 2002-32 STATION: CS4 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 20/09/02

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	*	1349	6.162	Surface	2.6			✓	✓		Extra bottle trip by mistake * (#022=)O ₂							
2	23	1350	3.935	93				✓	✓									
3	24	1351	5.258	75				✓	✓									
4	25	1352	6.206	50				✓	✓									
5	26	1353	5.986	30				✓	✓									
6	27	1354	6.040	20				✓	✓				✓✓					
7	28	1356	6.297	10	9.0			✓	✓				✓✓					
8	29	1357	6.296	0	1.9			✓	✓									
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: T. J

CHECKED BY:

Bottom Depth: 97

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0538
Bottom:		0546
End:		0557

START POSITION (GPS)

LAT: 50°49.179

LONG: 129°13.011

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 56°49.205

LONG: 129°12.963

ROSETTE LOG

MISSION ID: 2002-32 STATION: C506 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 20/09/02

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	30	1359	4.847	bot-10	✓ 61			X	X									
2	31	1360	5.298	50	✓ 50													
3	32	1361	5.808	30	✓ 30													
4	33	1362	6.201	20	✓ 20							XX						
5	34	1363	6.283	10	✓ 10							XX						
6	35	1364		0	X -0.3			X	X									no sample
7					✓ 0.													
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: S. TOWNS
CHECKED BY:

Bottom Depth: 67

Cast # down: 24
Cast # up: 24

Time	LOC	UTC
Begin:		0857
Bottom:		0858
End:		0906

START POSITION (GPS)
LAT: 50 59.95
LONG: 128 52 13

BOTTOM POSITION (GPS)
LAT: 50 59.97
LONG: 128 52.11

END POSITION (GPS)
LAT: 50 59.97
LONG: 128 52.11

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: C509 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 20 Sept 2002

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	36	1297	1.865	B-10	✓ 186		✓	✓										✓
2	37	1293	*1.897	175	✓ 175		✓	/										✓
3	38	1294	3.289	150	✓ 148		✓	✓		3.263		too high						✓
4	39	1298	2.625	125	✓ 123		✓	✓										
5	40	1325	2.819	100	✓ 102		✓	/										
6	41	1299	3.539	75	✓ 75		✓	/										
7	42	1302	4.418	50	✓ 50		✓	✓										✓
8	43	1300	5.037	30	✓ 30		✓	✓										✓
9	44	1303	6.123	20	✓ 20		✓	✓				✓						✓
10	45	1304	6.220	10	✓ 10		✓	✓				✓						
11	46	1301	6.205	0	✓ 1		✓	✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: SR

CHECKED BY:

Bottom Depth: 191

Cast # down: 31

Cast # up:

TimeLOCUTC

Begin:1307

Bottom:1312

End:1325

START POSITION (GPS)

LAT: 51° 12.50

LONG: -128° 27.97

BOTTOM POSITION (GPS)

LAT: 51° 12.50

LONG: -128° 27.98

END POSITION (GPS)

LAT: 51° 12.50

LONG: -128° 27.99

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB P3 CAST NUMBER: 052 UTC DATE (dd/mm/yyyy): 21/09/02

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	48	1297	2.857	bot - 10	✓ 161		X	XX										
2	49	1293	2.581	150	✓ 149													
3	50	1294	2.944	125	✓ 125													
4	51	1298	3.874	100	✓ 100													
5	52	1325	3.710	75	✓ 75													
6	53	1299	5.607	50	✓ 50													
7	54	1302	7.195	30	✓ 30													
8	55	1300	5.917	20	✓ 20							XX						
9	56	1303	4.680	10	✓ 10							XX						
10	57	1304	5.187	0	1													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: S.T
CHECKED BY:

Bottom Depth: 171

Cast # down: 052
Cast # up:

Time	LOC	UTC
Begin:		0755
Bottom:		0759
End:		0811

START POSITION (GPS)
LAT: 50°03.14
LONG: 127°55.25

BOTTOM POSITION (GPS)
LAT: 50°03.15
LONG: 127°55.25

END POSITION (GPS)
LAT: 50°03.17
LONG: 127°55.29

ROSETTE LOG

MISSION ID: 2002-32 STATION: LBP5 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 21/09/02

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	58	1305	0.333	bot -10	✓	1266	x		XX									put ^{O2} under cast # 52
2	59	1309	0.348	1000	✓	1000	x											
3	60	1306	0.300	800	✓	800												
4	61	1307	0.580	600	✓	600												
5	62	1311	1.140	500	✓	500												
6	63	1310	1.287	400	✓	400												✓ posimat error - cleaned tubes
7	64	1313	1.376	300	✓	300												of bubbles
8	65	1314	1.592	200	✓	200												
9	66	1315	1.891	175	✓	175							139.21					✓ (= wrong depth # bot#)
10	67	1316	3.243	150	✓	150												
11	68	1317	3.500	125	✓	122												
12	69	1318	5.243	100	✓	100												
13	70	1319	6.405	75	✓	75												
14	71	1320	6.810	50	✓	50												
15	72	1321	7.518	30	✓	31												
16	73	1322	6.550	20	✓	20							XX					
17	74	1323	6.226	10	✓	10							XX					
18	75	1324	6.222	0		1		✓	✓									Das. error
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 1230

Cast # down: 54
Cast # up: 54

Time	LOC	UTC
Begin:		0937
Bottom:		0956
End:		10

START POSITION (GPS)
LAT: 49° 60' 00"
LONG: 127° 59' 98"

BOTTOM POSITION (GPS)
LAT: 50° 00' 01"
LONG: 128° 00' 00"

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-032 STATION: LBP7 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 21 Sept 2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY				ALK		CHL					
15	1	76	1359	1.669	B-10	✓	2225	X										Sal not done! no 076
76	2	77	1360	1.429	2000	✓	2000											
77	3	78	1361	0.750	1500	✓	1499											
78	4	79	1362	0.374	1200	✓	1200											
	5	80	1363	0.271	1000	✓	1000.3											
	6	81	1364	0.255	800	✓	800.7											
	7	82	1365	0.639	600	✓	595.6											
	8	83	1366	0.823	500	✓	499.9											
	9	84	1367	1.482	400	✓	401.0											
	10	85	1368	2.193	300	✓	301.9											
	11	86	1369	2.304	250	✓	291.6											
	12	87	1370	3.201	200	✓	200.2											
	13	88	1371	3.358	175	✓	175.0											
	14	89	1372	3.786	150	✓	149.2											
	15	90	1373	4.439	125	✓	124.9											
	16	91	1374	5.166	100	✓	100.1											
	17	92	1375	5.798	75	✓	75.7											
	18	93	1376	4.648	50	✓	49.6											
	19	94	1377	5.668	30	✓	29.6											
	20	95	1378	6.149	20	✓	20.2						X					
	21	96	1379	6.421	10	✓	10.0						X					
	22	97			0	✓	1.0											did not trip - no 097
	23																	
	24																	

Comments:

SHIP:
ENTERED BY: SIR.
CHECKED BY:

Bottom Depth: 2230

Cast # down: 58
Cast # up:

Time	LOC	UTC
Begin:		1351
Bottom:		1438
End:		1545

START POSITION (GPS)
LAT: 49° 52.50
LONG: -128° 14.09

BOTTOM POSITION (GPS)
LAT: 49° 53.04
LONG: -128° 10.80

END POSITION (GPS)
LAT: 49° 52.70
LONG: 128° 11.56

ROSETTE LOG

MISSION ID: 2002-32 STATION: LBP8 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 21/09/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	98			2000	✓ 2049.4	X												
2																		
3																		
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:

CHECKED BY:

Bottom Depth: 2072

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1638
Bottom:		1712
End:		

START POSITION (GPS)

LAT: 49°48.62

LONG: 128°16.83

BOTTOM POSITION (GPS)

LAT: 49°48.93

LONG: 128°16.80

END POSITION (GPS)

LAT: 49°49.01

LONG: 128°16.83

Comments:

ROSETTE LOG

MISSION ID: 2007-32 STATION: LB 14 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): 22/9/2002

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	99	1359	0.397	B-15?	✓ 1152	✓	✓	✓										
2	100	1360	0.254	1000	✓ 1000	✓												
3	101	61	0.217	800	798	✓												
4	102	62	0.415	600	601													
5	103	63	0.702	500	499													
6	104	64	1.729	400	401													
7	105	65	1.781	300	302													
8	106	66	2.056	250	249													
9	107	67	2.178	200	199													
10	108	68	2.431	175	173													
11	109	69	2.791	150	153													
12	110	70	3.431	125	123													
13	111	71	3.879	100	100													
14	112	72	5.338	75	75													
15	113	73	5.405	50	49													
16	114	74	5.749	30	30													
17	115	75	5.264	20	18							✓✓						
18	116	76	6.210	10	10							✓✓						
19	117	77	6.249	0	1		✓	✓										
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 1172

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1700
Bottom:		1724
End:		

START POSITION (GPS)
LAT: 48° 8' 46"
LONG: 126° 0' 00"

BOTTOM POSITION (GPS)
LAT: 48° 8' 51"
LONG: 125° 57' 95"

END POSITION (GPS)
LAT: 48° 8' 56"
LONG: 125° 57' 90"

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB12 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 22/09/02

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	119	1297	0.919	6-10	506	X	✓	✓										
2	120	1293	1.381	400	399	X												
3	121	1294	1.417	300	299	X												
4	122	1298	1.346	250	243													
5	123	1325	1.007	200	200													
6	124	1299	0.808	175	174													
7	125	1302	1.210	150	149													
8	126	1300	2.260	125	123													bubble in flask
9	127	1303	2.813	100	99													
10	128	1304	3.738	75	74													
11	129	1301	5.581	50	49													
12	130	1305	6.322	30	29													
13	131	1309	6.142	20	20							X						
14	132	1306	6.252	10	10							X						
15	133	1307	6.198	0	12													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Tully
ENTERED BY: ST/RS
CHECKED BY:

Bottom Depth: 510

Cast # down:
Cast # up:

Time	LOC	UTC
20:42		
Begin:	2042	
Bottom:		
End:		

START POSITION (GPS)
LAT: 48°12.90"
LONG: 125°51.85"

BOTTOM POSITION (GPS)
LAT: 48°12.91
LONG: 125°51.86

END POSITION (GPS)
LAT: 48°12.91
LONG: 125°51.84"

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB11 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 22/09/02

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	134	1310	1.108	6-10	✓ 195		✓	✓										
2	135	1313	1.555	175	✓ 174													
3	136	1314	1.831	150	✓ 149													
4	137	1315	2.111	125	✓ 125													
5	138	1316	2.325	100	✓ 100													
6	139	1317	3.582	75	✓ 75													
7	140	1318	4.982	50	✓ 50													
8	141	1319	5.818	30	✓ 30													
9	142	1320		20	✓ 20							✓	.137					✓ Dos. error didn't titrate -
10	143	1321	6.311	10	✓ 10					1.037		✓	.489					✓ colorimeter off scale
11	144	1322	6.161	0	✓ 1			✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 206m

Cast # down: 75
Cast # up:

Time	LOC	UTC
Begin:		2200
Bottom:		2204
End:		2218

START POSITION (GPS)
LAT: 48°15'19"
LONG: 125°47'70"

BOTTOM POSITION (GPS)
LAT: 48°15'
LONG: 125°47'

END POSITION (GPS)
LAT: 48°15'16"
LONG: 125°47'72"

ROSETTE LOG

MISSION ID: 2002-032 STATION: LB9 CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): Sept 2002

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	145	1326	1.524	B-10	✓ 145	X		X										
2	146	1327	1.489	125	✓ 125			X										
3	147	1357	1.754	100	✓ 100			X										
4	148	1332	2.828	75	✓ 75			X										
5	149	1335	3.143	50	✓ 50			X										
6	150	1329	3.237	30	✓ 30			X										
7	151	1332	4.788	20	✓ 20			X				2						
8	152	1331	5.808	10	✓ 10			X				2						
9	153	1328	6.002	0	✓ 1			X										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: J.P. Tully
ENTERED BY: S.R.
CHECKED BY:

Bottom Depth: 135

Cast # down: 79
Cast # up:

Time	LOC	UTC
Begin:		0001
Bottom:		0006
End:		

START POSITION (GPS)
LAT: 48 21.96
LONG: -125 34.74

BOTTOM POSITION (GPS)
LAT: 48 21.97
LONG: -125 34.72

END POSITION (GPS)
LAT: 48 21.93
LONG: -125 34.73

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB08 CAST NUMBER: 81 UTC DATE (dd/mm/yyyy): 23 Sept 2002

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	154	1334	1.080	Bot-5m	125		✓	✓										
2	155	1336	1.068	125	125		✓	✓										
3	156	1358	1.189	100	✓ 99		✓	✓										
4	157	1338	1.594	75	✓ 74		✓	✓										
5	158	1341	2.377	50	✓ 49		✓	✓										Dos. error
6	159	1333	2.720	30	✓ 30		✓	✓										
7	160	1342	4.085	20	✓ 20		✓	✓				2						
8	161	1350	5.805	10	✓ 10		✓	✓				2						
9	162	1344	6.442	0	✓ 1		✓	✓										
10																		
11																		
12																		
13																		
14																		
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22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 130

Cast # down: 81
Cast # up:

Time	LOC	UTC
Begin:		0164
Bottom:		0168
End:		0113

START POSITION (GPS)
LAT: 48°25.24
LONG: 125°28.63

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-032 STATION: C3 CAST NUMBER: 86 UTC DATE (dd/mm/yyyy): 23 Sept 2002

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	163	1378	1.000	B-10	✓ 115		X	X										
2	164	1379	1.013	100	✓ 100		X	X										
3	165	1380	1.135	75	✓ 74		X	X										
4	166	1381	1.987	50	✓ 50		X	X										
5	167	1382	2.836	30	✓ 30		X	X										
6	168	1383	4.053	20	✓ 20		X	X				2						
7	169	1384	5.506	10	✓ 10		X	X				2						
8	170	1385	6.280	0	✓ 1		X	X						1034				
9																		ugly Oz endpt.
10																		
11																		
12																		
13																		
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23																		
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SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 121

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0223
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 23' 45"
LONG: 125° 20' 78"

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: C2 CAST NUMBER: 92 UTC DATE (dd/mm/yyyy): 23/09/02

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	171	1297	0.959	bot-10	✓ 130			X	Y									
2	172	1293	0.975	125	✓ 124													
3	173	1294	0.980	100	✓ 100													
4	174	1298	1.149	75	✓ 75													
5	175	1325	1.898	50	✓ 49													
6	176	1299	2.703	30	✓ 30													
7	177	1302	3.021	20	✓ 20							XX						
8	178	1300	5.602	10	✓ 10							XX						
9	179	1303	5.965	0	✓ 1			✓	✓									
10																		
11																		
12																		
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SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 141

Cast # down: 92
Cast # up: 92

Time	LOC	UTC
Begin:		0834
Bottom:		0837
End:		0847

START POSITION (GPS)
LAT: 48°25'45"
LONG: 125°07'82"

BOTTOM POSITION (GPS)
LAT: 48°25'45"
LONG: 125°07'79"

END POSITION (GPS)
LAT: 48°25'41"
LONG: 125°07'77"

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB06 CAST NUMBER: 96 UTC DATE (dd/mm/yyyy): 23/09/02

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	180	1293	1.561	6-10	✓ 105		X	XX										
2	181	1294	1.559	75	✓ 75													
3	182	1295	2.248	50	✓ 50													
4	183	1297	3.193	30	✓ 30													
5	184	1298	4.060	20	✓ 20							XX						
6	185	1299	5.052	10	✓ 10							XX						
7	186	1300	6.030	0	✓ 1													
8																		
9																		
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SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 110

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1052
Bottom:		1054
End:		1101

START POSITION (GPS)
LAT: 48° 32' 21"
LONG: 125° 15' 50"

BOTTOM POSITION (GPS)
LAT: 48° 32' 21"
LONG: 125° 15' 51"

END POSITION (GPS)
LAT: 48° 32' 17"
LONG: 125° 15' 49"

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: EI CAST NUMBER: 98 UTC DATE (dd/mm/yyyy): 23/09/2002

Niskin ²⁰⁰⁰⁰ Sample		OXY.	OXY.	ROSETTE OPERATION		Samples taken												
No.	No.	Flask	ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	187	1326	1.365	B-5	✓	113		X	X									colorimeter off
2	188	1327	1.489	100	✓	100		X	X									
3	189	1328	1.937	75	✓	74		X	X									
4	190	1329	3.249	50	✓	50		X	X									
5	191	1330	3.915	30	✓	29		X	X									
6	192	1332	3.996	20	✓	20		X	X			2						
7	193	1333	3.961	10	✓	10		X	X			2						
8	194	1334	4.409	0	✓	1		X	X									
9																		
10																		
11																		
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Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 117

Cast # down: 97
Cast # up:

Time	LOC	UTC
Begin:		1226
Bottom:		1230
End:		1239

START POSITION (GPS)
LAT: 48°31'69"
LONG: 125°03'78"

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-032 STATION: LB04 CAST NUMBER: 100 UTC DATE (dd/mm/yyyy): 23 Sept 2002

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	195	1335	1.850	B-10	✓ 105		X	X										
2	196	1336	1.761	100	✓ 100		X	X										
3	197	1337	3.055	75	✓ 75		X	X										
4	198	1338	3.055	50	✓ 50		X	X										Dosimat Error
5	199	1341	3.428	30	✓ 30		X	X										
6	200	1340	3.294	20	✓ 20		X	X				2						
7	201	1342	4.427	10	✓ 10		X	X				2						
8	202	1344	4.874	0	✓ 1		X	X										
9																		
10																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY: S.R.
CHECKED BY:

Bottom Depth: 111

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1346
Bottom:		
End:		

START POSITION (GPS)
LAT: 48°35.65
LONG: 125°08.78

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 7002-32 STATION: LBOZ CAST NUMBER: 102 UTC DATE (dd/mm/yyyy): 23/09/2002

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	203	1345	2.988	B-5	✓ 51.0		X	X										
2	204	46	2.994	30	✓ 30.7		X	X										
3	205	47	3.258	20	✓ 19.4		X	X					2					
4	206	48	4.721	10	✓ 10.4		X	X					2					
5	207	49	4.862	0	✓ 1.7		X	X										
6																		
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 56 m

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1	1509
Bottom:		1510
End:		

START POSITION (GPS)

LAT: 48°39.00

LONG: 125°02.52

BOTTOM POSITION (GPS)

LAT: 48°39.00

LONG: 125°02.56

END POSITION (GPS)

LAT: 48°39.05

LONG: 125°02.68

ROSETTE LOG

MISSION ID: 2002-32 STATION: LB 01 CAST NUMBER: 103 UTC DATE (dd/mm/yyyy): 23/9/2002

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	208	1301	4.046	30	✓ 29.6		X	X										
2	209	1302	4.570	20	✓ 20.4		X	X										
3	210	1303	4.807	10	✓ 11.1		X	X										
4	211	1304	5.299	0	✓ 1.7		X	X										
5																		
6																		
7																		
8																		
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Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 35m

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1547
Bottom:		1548
End:		1557

START POSITION (GPS)

LAT: 48°40.41

LONG: 124°59.41

BOTTOM POSITION (GPS)

LAT: 48°40.41

LONG: 124°59.40

END POSITION (GPS)

LAT: 48°40.44

LONG: 124°59.33

ROSETTE LOG

MISSION ID: 2002-02 STATION: LCOI CAST NUMBER: 104 UTC DATE (dd/mm/yyyy): 23/09/2002

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	212	1305	2.654	Bot-5	✓	86.9		X	X			2.760			130.62		212 13065 .442		
2	213	1306	3.002	75	✓	76.3		X	X			2.978					214 1307 .577		
3	214	1307	3.471	50	✓	45.7		X	X			3.445					213 1306 .499		
4	215	1310	3.995	30	✓	32.6		X	X			3.965					215 1310 .653		
5	216	1311	3.903	20	✓	20.8		X	X			3.873					216 1311 .627		
6	217	1313	5.130	10	✓	9.6		X	X			5.092					217 1313 .865		
7	218	1314	5.777	0	✓	1.2		X	X			5.734					218 1314 .973		
8																			
9																			
10																			
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20																			
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22																			
23																			
24																			

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 99m

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1819
Bottom:		1824
End:		1835

START POSITION (GPS)
LAT: 48°50.39
LONG: 125°27.76

BOTTOM POSITION (GPS)
LAT: 48°50.43
LONG: 125°27.67

END POSITION (GPS)
LAT: 48°50.52
LONG: 125°27.47

1005 10.10
1717 .01013508

ROSETTE LOG

MISSION ID: 2002-32 STATION: LCOZ CAST NUMBER: 105 UTC DATE (dd/mm/yyyy): 23/09/12

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	219	1359	2.655	Bot-5m	✓	102		✓	✓									
2	220	60	3.594	75	✓	75		✓	✓									
3	221	61	4.040	50	✓	50		✓	✓									
4	222	62	4.496	30	✓	30		✓	✓									
5	223	63	4.781	20	✓	20		✓	✓			XY						
6	224	64	5.989	10	✓	10		✓	✓			XY						
7	225	65	6.656	0	✓	1		✓	✓									
8																		
9																		
10																		
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24																		

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 108

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1908
Bottom:		1911
End:		1919

START POSITION (GPS)

LAT: 48°48.69

LONG: 125°30.91

BOTTOM POSITION (GPS)

LAT: 48°48.69

LONG: 125°30.91

END POSITION (GPS)

LAT: 48°48.66

LONG: 125°30.90

Comments:

ROSETTE LOG

MISSION ID: 2002-32 STATION: LC04 CAST NUMBER: 110 UTC DATE (dd/mm/yyyy): 23/09/02

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	226	1367	2.112	6-10	✓ 152		X	XX										1.359 2.112
2	227	1368	2.065	150	✓ 150		1											.345 2.065
3	228	1369	2.614	125	✓ 125													.436 2.614
4	229	1370	2.842	100	✓ 100													.475 2.842
5	230	1371	3.246	75	✓ 75													.556 3.246
6	231	1372	4.369	50	✓ 50													.733 4.369
7	232	1373	4.662	30	✓ 28													.779 4.662
8	233	1374	4.608	20	✓ 20							XX						.766 4.608
9	234	1375	4.645	10	✓ 10							XX						.772 4.645
10	235	1376	6.743	0	✓ 1		✓	✓										1.133 6.743
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST.
CHECKED BY:Bottom Depth: 162Cast # down: 110

Cast # up:

Time	LOC	UTC
Begin:		2205
Bottom:		2211
End:		

START POSITION (GPS)
LAT: 48°43.46
LONG: 125°40.72BOTTOM POSITION (GPS)
LAT: 48°43.48
LONG: 125°40.72END POSITION (GPS)
LAT: 48°43.
LONG: 125°40.

ROSETTE LOG

MISSION ID: 2002-032 STATION: LC06 CAST NUMBER: 114 UTC DATE (dd/mm/yyyy): 24 Sept 2002

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	236	1326	1.985	B-10	✓ 85		x	x										.338
2	237	1327	2.648	75	✓ 75		x	x										.443
3	238	1328	3.933	50	✓ 50		x	x										.655
4	239	1329	4.469	30	✓ 30		x	x										.725
5	240	1331	5.686	20	✓ 20		x	x										.938
6	241	1332	6.514	10	✓ 10		x	x										1.101
7	242	1333	6.601	0	✓ 1		x	x										1.087 133.59
8																		
9																		
10																		
11																		
12																		
13																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Sorry - entered under LC04 by mistake (S.T)

SHIP:

ENTERED BY: S.R

CHECKED BY:

Bottom Depth: 92

Cast # down: 114

Cast # up:

Time	LOC	UTC
Begin:		0057
Bottom:		0102
End:		0111

START POSITION (GPS)

LAT: 48° 36.48

LONG: -125° 53.99

BOTTOM POSITION (GPS)

LAT: 48° 36.49

LONG: -125° 53.97

END POSITION (GPS)

LAT: 48° 36.51

LONG: -125° 53.88

ROSETTE LOG

MISSION ID: 2002-032 STATION: LC3/A1 CAST NUMBER: 116 UTC DATE (dd/mm/yyyy): 24 Sept 2002

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	243	1334	1.491	B-10	✓	192.7		✓	✓									6250 (4 05220)
2	244	1335	1.608	175	✓	173.1		✓	✓									
3	245	1336	1.773	150	✓	149.5		✓	✓									
4	246	1337	3.189	125	✓	125.7		✓	✓									
5	247	1338	4.360	100	✓	102.2		✓	✓									
6	248	1341	6.062	75	✓	75.1		✓	✓									
7	249	1340	7.973	50	✓	49.9		✓	✓									
8	250	1342	9.034	30	✓	31.4		✓	✓									
9	251	1344	7.961	20	✓	21.1		✓	✓									
10	252	1345	8.293	10	✓	9.5		✓	✓									
11	253	1346	10.579	0	✓	3.5		✓	✓									
12																		
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20																		
21																		
22																		
23																		
24		LC08																

Comments: ✖ O2 samples mixed in with LC04 - I didn't see this right away. S.T.

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0305
Bottom:		
End:		

START POSITION (GPS)
LAT: 48°29.38
LONG: 126°7.02

BOTTOM POSITION (GPS)
LAT: 48°29.39
LONG: 126°7.00

END POSITION (GPS)
LAT: 48°29.38
LONG: 126°7.01