

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF 2 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 25/09/02

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	001	1359	0.549	6-5	✓ 60		X											
2	002	1360	0.426	50	✓ 50													
3	003	61	2.440	30	✓ 30													
4	004	62	3.127	20	✓ 20													
5	005	63	4.644	10	✓ 10													
6	006	64	8.263	0	✓ 1		V											
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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15																		
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23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: S.T.

CHECKED BY:

Bottom Depth: 70

Cast # down: 001

Cast # up:

Time	LOC	UTC
Begin:		0153
Bottom:		0156
End:		0201

START POSITION (GPS)

LAT: 49°04.98

LONG: 125°10.32

BOTTOM POSITION (GPS)

LAT: 49°04.98

LONG: 125°10.32

END POSITION (GPS)

LAT: Same

LONG: no change

10.10

01013508

005 004

017 018

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF3 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 25/09/02

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	007	1365	0.00	5	✓	105		X										too low for colorim.
2	008	66	0.00	100	✓	100												
3	009	67	0.031	75	✓	75												
4	010	68	0.948	50	✓	50						X						
5	011	69	2.821	25	✓	25						X						
6	012	70	3.336	20	✓	20						X						
7	013	71	4.375	15	✓	15						X						
8	014	72	5.609	10	✓	10						X						
9	015	73	7.584	5	✓	5						X						
10	016	74	8.012	0	✓	1												
11																		
12																		
13																		
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16																		
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18																		
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21																		
22																		
23																		
24																		

Comments: colorimeter was high - I should have changed the D.O. sooner. (when I did the H2O it read 102.1) S.T.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 113

Cast # down: 002
Cast # up:

Time	LOC	UTC
Begin:		0222
Bottom:		0224
End:		

START POSITION (GPS)
LAT: 49°04.25
LONG: 125°09.44

BOTTOM POSITION (GPS)
LAT: 49°04.25
LONG: 125°09.44

END POSITION (GPS)
LAT: 49°04.
LONG: 125°09.

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF-4 CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 25/09/2002

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	17	1375	0.960	Bo-5	✓	80		✓										
2	18	76	0.977	75	✓	75		✓										
3	19	77	1.884	50	✓	50		✓										
4	20	78	3.033	30	✓	30		✓										
5	21	79	3.214	20	✓	20		✓										
6	22	80	5.973	10	✓	10		✓										
7	23	81	7.910	0	✓	1.0		✓										Dos. error
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
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24																		

Comments:

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 82

Cast # down: 003
Cast # up: 003

Time	LOC	UTC
Begin:		0302
Bottom:		0305
End:		0312

START POSITION (GPS)
LAT: 49° 02.97' N
LONG: 125° 08.66' W

BOTTOM POSITION (GPS)
LAT: 49° 02.98' N
LONG: 125° 08.45' W

END POSITION (GPS)
LAT: 49° 02.97' N
LONG: 125° 08.62' W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF-5 CAST NUMBER: 004 UTC DATE (dd/mm/yyyy): 25/09/2002

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	24	1326	1.194	Bo-5	✓ 187	✓	✓											
2	25	1327	1.185	175	✓ 175	✓												
3	26	1328	1.276	150	✓ 150													
4	27	1329	1.333	125	✓ 125													
5	28	1331	1.229	100	✓ 100													
6	29	1332	0.966	75	✓ 75													
7	30	1333	1.779	50	✓ 50							✓						
8	31	1334	3.214	25	✓ 25							✓						
9	32	1335	3.578	20	✓ 20							✓						
10	33	1336	4.286	15	✓ 15													
11	34	1337	4.891	10	✓ 10							✓						
12	35	1338	7.138	5	✓ 5							✓						
13	36	1341	8.558	0	✓ 1.0		✓											
14																		
15																		
16																		
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19																		
20																		
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22																		
23																		
24																		

Comments: Note - 24-32 - small bubble in thinwalled at end of piston.

SHIP: TULLY
ENTERED BY: JC
CHECKED BY:

Bottom Depth: 204

Cast # down: 004
Cast # up:

Time	LOC	UTC
Begin:		0328
Bottom:		0332
End:		0348

START POSITION (GPS)
LAT: 49° 02.56'N
LONG: 125° 09.10'W

BOTTOM POSITION (GPS)
LAT: 49° 02.56'N
LONG: 125° 09.12'W

END POSITION (GPS)
LAT: 49° 02.52'N
LONG: 125° 09.13'W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF-6 CAST NUMBER: 005 UTC DATE (dd/mm/yyyy): 25/09/2002

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	37	1340	0.945	30.5	✓ 140		✓											
2	38	1342	1.095	125	✓ 125													
3	39	1345	1.047	100	✓ 100													
4	40	1344	0.998	75	✓ 75													
5	41	1346	1.841	50	✓ 50													
6	42	1347	3.117	30	✓ 30													
7	43	1348	3.526	20	✓ 20													
8	44	1349	3.985	10	✓ 10													
9	45	1350	7.420	0	✓ 1.2		✓											
10																		
11																		
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18																		
19																		
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24																		

Comments: #44 small air bubble before adding acid.

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 148

Cast # down: 005

Cast # up:

TimeLOCUTC

Begin:0413

Bottom:0417

End:0428

START POSITION (GPS)

LAT:49° 01.77'N

LONG:125° 09.17'W

BOTTOM POSITION (GPS)

LAT:49° 01.78'N

LONG:125° 09.17'W

END POSITION (GPS)

LAT:49° 01.75'N

LONG:125° 09.18'W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF 7 CAST NUMBER: 006 UTC DATE (dd/mm/yyyy): 25/09/2002

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	46			B-5	✓	102		T										182
2	47	1351	1.062	100	✓	102												
3	48	1352	1.082	75	✓	75												
4	49	1353	2.202	50	✓	50												
5	50	1354	3.075	30	✓	30												
6	51	1325	3.504	20	✓	20												
7	52	1358	3.932	10	✓	10												
8	53	1393	9.059	0	✓	1.1												
9																		
10																		
11																		
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24																		

Comments: 8 bottles filled

SHIP: TULLY

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 120

Cast # down: 006

Cast # up:

Time	LOC	UTC
Begin:		0451
Bottom:		0454
End:		0502

START POSITION (GPS)

LAT: 49° 01.26'N

LONG: 125° 09.37'W

BOTTOM POSITION (GPS)

LAT: 49° 01.25'N

LONG: 125° 09.38'W

END POSITION (GPS)

LAT: 49° 01.23'N

LONG: 125° 09.38'W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF8 CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 25/09/2002

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	54	1294	1.682	B0-5	✓ 75											.280		
2	55	1295	1.331	75	✓ 75											.289		
3	56	1297	2.321	50	✓ 50											.414		
4	57	1298	3.205	30	✓ 30											.543		
*X5	58	1299	— X	20	✓ 20													I screwed up X
6	59	1300	—	10	✓ 10					132.25						.687		Dos. error - didn't
7	60	1301	8.428	0	✓ 1.0		✓									1.330		titrate *
8																		
9																		
10																		
11																		
12																		
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23																		
24																		

Comments: ** First sample after fixing Dosinact
* Colormeter not zeroed properly > 5.7

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:
Bottom Depth: 86
Cast # down: 007
Cast # up:
Time LOC UTC
Begin: 0519
Bottom: 0521
End: 0527
START POSITION (GPS)
LAT: 49° 0.66'N
LONG: 125° 10.18'W
BOTTOM POSITION (GPS)
LAT: 49° 0.64'N
LONG: 125° 10.20'W
END POSITION (GPS)
LAT: 49° 0.64'N
LONG: 125° 10.21'W

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF9 CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 25/09/2002

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	61	1302	2.778	Bo-5	✓ 55													Pos error.
2	62	1303	3.129	30	✓ 30													Pos.
3	63	1304	3.347	20	✓ 20													Seems OK
4	64	1305	3.740	10	✓ 10													
5	65	1306	6.862	0	✓ 1.8			✓										
6																		
7																		
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24																		

Comments: Dos. error - cleared as per Bernie's instructions. 51.

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 65

Cast # down: 008
Cast # up:

Time	LOC	UTC
Begin:		0544
Bottom:		0546
End:		0550

START POSITION (GPS)
LAT: 49° 0.12' N
LONG: 125° 10.79' W

BOTTOM POSITION (GPS)
LAT: 49° 0.12' N
LONG: 125° 10.80' W

END POSITION (GPS)
LAT: 49° 0.09' N
LONG: 125° 10.83' W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF10 CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 25/09/2002

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	66	1307	1.359	Bo-5	✓ 80	✓												
2	67	1310	1.213	75	✓ 75	✓												
3	68	1311	2.707	50	✓ 50													
4	69	1314	3.577	25	✓ 25								✓✓					Zeroed colorimeter (a bit too high ~10% .2%)
5	70	1313	3.754	20	✓ 20								✓✓					
6	71	1309	4.025	10	✓ 10								✓✓					
7	72	1315	5.064	5	✓ 5								✓✓					
8	73	1316	8.628	0	✓ 1.6			✓										
9																		
10																		
11																		
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22																		
23																		
24																		

Comments: Oxygen samples not shaken very well - lots of clumps

SHIP: TULLY

ENTERED BY: JE

CHECKED BY:

Bottom Depth: 86

Cast # down: 009

Cast # up:

Time	LOC	UTC
Begin:		0608
Bottom:		0610
End:		

START POSITION (GPS)

LAT: 48° 59.85' N

LONG: 125° 11.17' W

BOTTOM POSITION (GPS)

LAT: 48° 59.85' N

LONG: 125° 11.17' W

END POSITION (GPS)

LAT: 48° 59.83' N

LONG: 125° 11.18' W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF11 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 25/09/2002

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	74	1317	1.428	Bo-5	✓ 78													
2	75	1318	2.571	50	✓ 50													
3	76	1319	3.429	30	✓ 30													
4	77	1320	3.903	20	✓ 20													
5	78	1321	3.918	10	✓ 10													
6	79	1322	7.846	0	✓ 1.4													✓ ugly end pt.
7																		
8																		
9																		
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Comments: Zeroed colorimeter at start - reading high again (102%)

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 83

Cast # down: 010
Cast # up:

Time	LOC	UTC
Begin:		0633
Bottom:		0635
End:		0641

START POSITION (GPS)
LAT: 48° 59.10'N
LONG: 125° 11.16'W

BOTTOM POSITION (GPS)
LAT: 48° 59.09'N
LONG: 125° 11.08'W

END POSITION (GPS)
LAT: 48° 59.09'N
LONG: 125° 11.05'W

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF12 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 25/09/2002

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	80	1359	1.602	30-5	✓ 80													
2	81	1360	1.595	75	✓ 75													pour
3	82	1361	3.165	50	✓ 50													✓
4	83	1362	4.909	30	✓ 30													✓
5	✓ 84	1363	5.475	20	✓ 20													✓
6	✓ 85	1364	5.427	10	✓ 10													* .895
7	86	1365	9.452	0														
8																		
9																		
10																		
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SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 92

Cast # down: 011

Cast # up:

Time	LOC	UTC
Begin:		0704
Bottom:		0709
End:		0715

START POSITION (GPS)

LAT: 48° 58' 00

LONG: 125° 10.46

BOTTOM POSITION (GPS)

LAT: 48° 58' 00

LONG: 125° 10.47

END POSITION (GPS)

LAT: 48° 57' 48

LONG: 125° 10' 48

Comments: Note: O2 samples not in lab @ RT ~ 12h
#85 - dosimat error - much particulate in sample

ROSETTE LOG

MISSION ID: 2002-34 STATION: EFF13 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 25/09/2002

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	87	1366	1.737	Bo-5	✓ 95													
2	88	1367	1.362	75	✓ 75													
3	89	1368	3.793	50	✓ 50													
4	90	1369	4.996	25	✓ 25								✓✓					
5	91	1370	4.330	20	✓ 20								✓✓					
6	92	1371	5.882	10	✓ 10								✓✓					
7	93	1372	8.683	5	✓ 5								✓✓					
8	94	1373	10.494	0	✓ 1													
9																		
10																		
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24																		

SHIP: TULLY

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 104

Cast # down: 012

Cast # up:

Time	LOC	UTC
Begin:		0736
Bottom:		0739
End:		0747

START POSITION (GPS)

LAT: 48°56.49

LONG: 125°10.69

BOTTOM POSITION (GPS)

LAT: 48°56.49

LONG: 125°10.69

END POSITION (GPS)

LAT: 48°56.49

LONG: 125°10.71

Comments: Note. 05 samples Sat w/1h @RT

ROSETTE LOG

MISSION ID: 2002-34 STATION: LGO1 CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 26/09/2002

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	95	1359	3.349	30-5	✓ 40													
2	96	1360	3.397	30	✓ 30							✓✓						
3	97	1361	3.579	20	✓ 20							✓✓						
4	98	1362	5.177	10	✓ 10							✓✓						
5	99	1364	7.988	5	✓ 5							✓✓						
6	100	1363	7.839	0	✓ 1													
7																		
8																		
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10																		
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22																		
23																		
24																		

Comments: 97- small air bubble. before adding acid

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 49

Cast # down: 014

Cast # up:

TimeLOCUTC

Begin:0719

Bottom:0720

End:0726

START POSITION (GPS)

LAT:49°20.62

LONG:126°34.99

BOTTOM POSITION (GPS)

LAT:49°20.62

LONG:126°34.99

END POSITION (GPS)

LAT:49°20.66

LONG:126°34.98

ROSETTE LOG

MISSION ID: 2002-32 STATION: LG02 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 26/09/2002

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	101	1365	2.412 ✓	90	✓	90		X										
2	102	1366	2.995 ✓	75	✓	75												
3	103	1367	3.017 ✓	50	✓	50												
4	104	1368	3.286 ✓	30	✓	30							XX					Pos error
5	105	1369	4.387 ✓	20	✓	20							XX					Pos error - cleared
6	106	1370	6.946 ✓	10	✓	10							XX					no per instructions
7	107	71	7.307 ✓	5	✓	5							XX					
8	108	72	7.233 ✓	0		1.0		X										
9																		
10																		
11																		
12																		
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22																		
23																		
24																		

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 100

Cast # down: 15

Cast # up:

Time

LOC

UTC

Begin: 0813

Bottom:

End:

START POSITION (GPS)

LAT: 49° 18.77

LONG: 126° 38.10

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-34 STATION: LG04 CAST NUMBER: 018 UTC DATE (dd/mm/yyyy): 26/09/2002

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	109	1373	2.459	6.5	✓ 137		X								.414			
2	110	74	3.096	125	✓ 125												✓	bubble on mirror (opp)
3	111	75	4.068	100	✓ 99										.677			
4	112	76	4.941	75	✓ 75													
5	113	77	6.549	50	✓ 50													
6	114	78	6.475	30	✓ 30							XX						
7	115	79	6.220	20	✓ 20							XX						
8	116	80	4.978	10	✓ 10							XX						
9	117	81	5.972	5	✓ 5							XX						
10	118	82	6.531	0	1.4													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: ~146

Cast # down: 018

Cast # up:

TimeLOCUTC

Begin:1039

Bottom:1042

End:

START POSITION (GPS)

LAT: 49°11.24

LONG: 126°49.43

BOTTOM POSITION (GPS)

LAT: 49°11.26

LONG: 126°49.41

END POSITION (GPS)

LAT: 49°11.28

LONG: 126°49.45

ROSETTE LOG

MISSION ID: 2002-34 STATION: L906 CAST NUMBER: 021 UTC DATE (dd/mm/yyyy): 27/09/2002

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	119	1359	0.318	30-5	✓ 932													
2	120	1360	0.262	800	✓ 800													
3	121	1361	0.493	600	✓ 600													
4	122	1362	1.043	400	✓ 400													
5	123	1364	1.670	300	✓ 300													
6	124	1363	1.772	250	✓ 248													
7	125	1365	2.009	200	✓ 199													
8	126	1366	2.179	175	✓ 175													
9	127	1367	2.430	150	✓ 150													
10	128	1368	2.730	125	✓ 125													
11	129	1369	3.766	100	✓ 101													
12	130	1370	6.206	75	✓ 75													
13	131	1371	6.006	50	✓ 50													
14	132	1372	6.048	30	✓ 30							✓✓						
15	133	1373	6.377	20	✓ 20							✓✓						
16	134	1374	6.349	10	✓ 10							✓✓						
17	135	1375	6.381	5	✓ 5	✓						✓✓						
18	136	1376	6.360	0	✓ 1	✓	✓											
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 930

Cast # down: 021
Cast # up:

Time	LOC	UTC
Begin:		1003
Bottom:		1019
End:		1049

START POSITION (GPS)
LAT: 49° 03.54
LONG: 127° 01.08

BOTTOM POSITION (GPS)
LAT: 49° 03.68
LONG: 127° 01.10

END POSITION (GPS)
LAT: 96
LONG: 14

Comments: #120 - Clasket was put in as 1350 instead of 1360
#123 - air bubble before adding acid
133

ROSETTE LOG

MISSION ID: 2002-34 STATION: LG08 CAST NUMBER: 024 UTC DATE (dd/mm/yyyy): 28/09/2002

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	137	1359	1.607	B0-5	✓ 2078	X												
2	138	1360	1.403	12000	✓ 2000	X												
3	139	1361	0.661	1500	✓ 1500													
4	140	1362	0.375	11200	✓ 1200													
5	141	63	0.248	1000	✓ 1000													
6	142	64	0.232	800	✓ 800													
7	143	65	0.344	600	✓ 600													
8	144	66	0.989	400	✓ 400													
9	145	67	1.344	300	✓ 300													
10	146	68	1.667	250	✓ 250													
11	147	69	1.979	200	✓ 200	X												
12	148	70	2.088	175	✓ 175	X												
13	149	71	2.416	150	✓ 151													
14	150	72	2.808	125	✓ 125													
15	151	73	3.306	100	✓ 101													
16	152	74	3.250	75	✓ 75													
17	153	75	3.178	50	✓ 51													
18	154	76	6.027	30	✓ 32								XX					
19	155	77	6.044	20	✓ 20								XX					
20	156	78	6.062	10	✓ 10								XX					
21	157	79	6.071	5	✓ 6								XX					
22	158	80	6.060	0														
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 2070

Cast # down: 024

Cast # up:

Time	LOC	UTC
Begin:		0235
Bottom:		0315
End:		0359

START POSITION (GPS)

LAT: 48°55.30

LONG: 127°13.24

BOTTOM POSITION (GPS)

LAT: 48°55.31

LONG: 127°13.23

END POSITION (GPS)

LAT: 48°55.33

LONG: 127°12.22

ROSETTE LOG

MISSION ID: 2002-34 STATION: LG11 CAST NUMBER: 025 UTC DATE (dd/mm/yyyy): 28/09/2002

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	159			6-5	✓1362	X												
2	160			1200	✓1200	X												
3	161			1000	✓998	X												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 1360

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0900
Bottom:		0925
End:		

START POSITION (GPS)
LAT: 48°18.92
LONG: 126°26.73

BOTTOM POSITION (GPS)
LAT: 48°18.94
LONG: 126°26.69

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-34

STATION: LC10

CAST NUMBER: 026

UTC DATE (dd/mm/yyyy): 28/09/2002

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	162	1294	0.556	6-5	✓ 1235	X	X											
2	163	1295	0.392	1200	✓ 1200	X												leaked - air valve open
3	164	1297	0.293	1000	✓ 1000													
4	165	1298	0.284	800	✓ 800													
5	166	1299	0.557	600	✓ 600													
6	167	1300	1.184	400	✓ 400													
7	168	1301	1.434	300	✓ 300													
8	169	1302	1.677	250	✓ 250													
9	170	1303	2.006	200	✓ 200													
10	171	1304	2.188	175	✓ 175													
11	172	1305	2.162	150	✓ 150													
12	173	1306	3.838	125	✓ 125													
13	174	1307	4.852	100	✓ 100													
14	175	1310	6.329	75	✓ 75													
15	176	1311	6.674	50	✓ 50													
16	177	1314	* 5.625	30	✓ 30							XX	.159 + .949	unreliable result *colorimeter way				
17	178	1313	6.924	20	✓ 21							XX		off scale !? weird -				
18	179	1309	6.651	10	✓ 10							XX		had to nitrate it				
19	180	1315	6.665	5	✓ 5							XX						
20	181	1316	6.661	0	✓ 1.3		X											
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 1248

Cast # down:

Cast # up:

Time

LOC

UTC

Begin: 1043

Bottom: 1104

End: 1139

START POSITION (GPS)

LAT: 48°22'35"

LONG: 126°20'21"

BOTTOM POSITION (GPS)

LAT: 48°22'39"

LONG: 126°20'22"

END POSITION (GPS)

LAT: 48°22'43"

LONG: 126°20'25"

ROSETTE LOG

MISSION ID: 2002-34 STATION: B101 CAST NUMBER: 029 UTC DATE (dd/mm/yyyy): 28/09/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	SFC	PV				
1	182	1359	1.419	Bo-5	✓	348	✓		✓									*
2	183	60	1.440	300	✓	300												*
3	184	61	1.534	250	✓	250												*
4	185	62	1.433	200	✓	200	✓											
5	186	63	1.436	175	✓	176	✓											
6	187	64	1.903	150	✓	150			✓									
7	188	65	2.187	125	✓	124			✓									
8	189	66	3.389	100	✓	99												
9	190	67	4.887	75	✓	75			✓									
10	191	68	5.981	50	✓	49			+									
11	192	69	6.612	30	✓	29			↓			✓	✓	✓	1092			Dosimat error -
12	193	70	6.329	20	✓	20			←			✓	✓	✓	✓			
13	194	71	5.684	15	✓	15												
14	195	72	5.672	10	✓	9.8						✓	✓	✓				
15	196	73	5.764	5	✓	4.6						✓	✓	✓				
16	197	74	5.740	3	✓	2.9						✓	✓	✓	✓			
17	198	75	5.735	1	✓	1.0		✓	✓			✓	✓	✓				
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Colorimeter % keeps getting higher & higher quicker in the DMO for some reason - ie - have to zero it quite often (even though DMO is fresh) S.T.

SHIP: TULLY
ENTERED BY: SE
CHECKED BY:

Bottom Depth: 361

Cast # down: 029
Cast # up:

Time	LOC	UTC
Begin:		1411
Bottom:		1421
End:		

START POSITION (GPS)
LAT: 48° 31.76' N
LONG: 126° 11.04' W

BOTTOM POSITION (GPS)
LAT: 48° 31.77
LONG: 126° 11.00

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

ROSETTE LOG

MISSION ID: 2002-34 STATION: JFE 4 CAST NUMBER: 33 UTC DATE (dd/mm/yyyy): 29/09/2002

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	182			6-5	✓ 211	X												
2	183			200	✓ 200	X												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 226

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0749
Bottom:		
End:		

START POSITION (GPS)
LAT: DF
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-35 STATION: JFE5 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 29/09/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	184			10-5	✓ 204	X												
2	185			200	✓ 200	X												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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18																		
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23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 210

Cast # down: 34
Cast # up:

Time	LOC	UTC
Begin:		0827
Bottom:		
End:		

START POSITION (GPS)
LAT: 48°19.24
LONG: 124°15.01

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48°19.
LONG: 124°15

ROSETTE LOG

MISSION ID: 2002-34 STATION: JFD5 CAST NUMBER: 038 UTC DATE (dd/mm/yyyy): 29/09/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	186			130.5	✓ 172	✓												
2	187			150	✓ 157	✓												
3																		
4																		
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: JE
CHECKED BY:

Bottom Depth: 181

Cast # down: 038
Cast # up:

Time	LOC	UTC
Begin:		1125
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 11.84
LONG: 123 59.97

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2002-34 STATION: JFDA CAST NUMBER: 039 UTC DATE (dd/mm/yyyy): 29/09/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	188			B ₀ -5	✓ 180	✓												
2	189			150	✓ 150	✓												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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22																		
23																		
24																		

Comments:

SHIP: TOLLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 187

Cast # down: 039
Cast # up:

Time	LOC	UTC
Begin:		1155
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 17.74
LONG: 123° 59.99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG: