

ROSETTE LOG

MISSION ID: 2902-30

STATION: STO 3 **CAST NUMBER:** 1

UTC DATE (dd/mm/yyyy): 24/08/2002.

[illegible]

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 219

Cast # down: 1

Cast # up: /

Time	LOC	UTC
Begin:		22.27
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)	
LAT:	48 35.33
LONG:	123 30.23

END POSITION (GPS)
LAT:
LONG:
V ₆ = .005
V ₂ = .722

Comments:

ROSETTE LOG

MISSION ID: 2002-30 STATION: P2 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 25/8/2002

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	14	1306		B-10	110.	✓	✓	✓										O ₂ too high
2	15	1307		75		✓	✓	✓										No NH ₄
3	16	1309		50		✓	✓	✓										
4	17	1310		25		✓	✓	✓										
5	18	1311		10		✓	✓	✓										
6	19	1313		4		✓	✓	✓				✓						
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: KS
CHECKED BY:

Bottom Depth: 117

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:	1048	1748
Bottom:	1052	1752
End:	1101	1801

START POSITION (GPS)
LAT: 48 34.57
LONG: 125 29.94

BOTTOM POSITION (GPS)
LAT: 48 35.99
LONG: 126 0.06

END POSITION (GPS)
LAT: 48 35.90
LONG: 126 0.14

005
-722

ROSETTE LOG

MISSION ID: 2002-30 STATION: P4 CAST NUMBER: PAR Cast/Bio 6 UTC DATE (dd/mm/yyyy): 25/8/2002

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		NH4		15N			
						OXY				ALK		CHL		NO3		13C			
1		—	—	400	400.														
2			—	200															
3			—	150															
4		0.14	2.6 e-02	100															
5		0.15	2.6 M	80															
6		0.16	3.1 e-02	60															
7		0.20	4.0 e-02	48															
8		0.31	5.5 -2	42															
9		0.31	7.2 -2	36															
10		0.46	1.0 -1	30	30.1														
11		0.59	1.6 -1	24	23.6														
12		1.27	2.8 -1 →	18	17.6														
13	15m	1.3	5.1 -1 →	12	12.1														
14	12m	2.3	9.0 -1 →	6	6.1														
15	6m	4.8	3.6 00.		1.0														
16	2m	8.2	4.8-5.8 01		1.1														
17					1.0														
18					.8														
19					.8														
20					1.3														
21					1.1														
22					.9														
23					1.0														
24					.9														

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

2143

Bottom:

End:

2212

START POSITION (GPS)

LAT:

48 38.50

LONG:

126 35.26

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

All at chl max

ROSETTE LOG

MISSION ID: 2002-30 STATION: P4 CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): Aug 26/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT	NAH	TCO		C13				
							OXY			ALK		CHL				
1	21		.106	B-20	1315	✓	✓	✓		✓						
2	22		.089	1250	✓	✓										
3	23		X	1090	✓	✓										
4	24		X	800	✓											
5	25		X	800	✓											
6	26		.109	600	✓											
7	27		.184	400	✓					✓						near low 20T
8	28			300	✓					✓						
9	29			250	✓					✓						
10	30			200	✓					✓						
11	31		.16	175	✓					✓						
12	32		.15	150	✓					✓						
13	33	X	.15	125	✓					✓						
14	34		.16	100	✓					✓						
15	35	X	.20	75	✓					✓						
16	36		.23	50	✓					✓						
17	37		0.60	25	✓					✓						
18	38		1.35	17	✓					✓						
19	39		4.9	10	✓					✓						
20	40		14.0	4	✓	✓	✓	✓	✓	✓		✓				near low 20T
21																
22																
23																
24																

ROSETTE LOG

MISSION ID: 2002-30 STATION: P8 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 27/08/02

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	44			1500	✓	✓	✓	✓										cast 16
2	45			1250	✓	✓												
3	46			1000	trip 1,2+3	✓												cast 17-trip 3 btl
4	47			800	✓	—												
5	48			600	✓													
6	49			400	✓													
7	50			300	✓													
8	51			250	✓													
9	52		7.15C	200	✓													
10	53		7.38C	175	✓													
11	54		7.20	150	✓													
12	55		7.09	125	✓													
13	56		6.56	100	✓													
14	57		6.68	75	✓													
15	58		7.10	50	✓													
16	59			25	✓													
17	60			10	✓	—	✓	✓										from 7.1m floor segment
18	61			4	✓	✓	✓	✓				✓						
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: TS + FW
CHECKED BY:

Bottom Depth: 2547

Cast # down: 16
Cast # up: 16/17

Time	LOC	UTC
Begin:		0445
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 48.99
LONG: 128 40.02

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:
1005
722

ROSETTE LOG

MISSION ID: 2002-30

STATION: P12

CAST NUMBER: 22

UTC DATE (dd/mm/yyyy): 27/08/2002

Niskin Sample

No. No.

Fluor OXY. PAR OXY.

Flask ml/l

ROSETTE OPERATION		Samples taken													
		Sample	Confirmed	SAL		NUT		TCO		C13					
Depth	pressure				OXY				ALK		CHL				
1			400	✓											
2		0.128	0.26	200	✓										
3		0.150	0.31	150	✓										
4		0.293	0.85	100	✓	98.									
5		0.377	1.58	80	✓										
6		1.1	4.7	60	✓										
7		1.8	10.1	48	✓										
8		1.7	16.5	42	✓										
9		1.2	21	36	✓										
10		1.2	33.8	30	✓										
11		1.1	58	24	✓										
12		0.9	75	18	✓										
13		0.8	102	12	✓										
14		0.6	170	6	✓										
15		0.45	390	2m		44.6									
16				6m		44.9									
17				CHL		45.2									
18				max		44.8									
19				45m		44.7									
20						45.1									
21						44.4									
22						44.9									
23						44.8									
24						44.4									

SHIP: TULLY

ENTERED BY: FW/KJ

CHECKED BY:

Bottom Depth: 3266

Cast # down: 22

Cast # up:

Time LOC UTC

Begin: 1102 1802

Bottom:

End: 1830

START POSITION (GPS)

LAT: 48 58.28

LONG: 130 40.05

BOTTOM POSITION (GPS)

LAT: 48 58.22

LONG: 130 40.00

END POSITION (GPS)

LAT: 48 58.43

LONG: 130 40.07

ROSETTE LOG

MISSION ID: 2002-30

STATION: P12

CAST NUMBER: 24

UTC DATE (dd/mm/yyyy): 28/08/2002

Niskin No.	Sample No.	OXY. Flask	T OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	UW	TCO		C13						
1	65			320	✓ 3128	✓	✓	✓		✓								
2	66			3000	✓ 3000	✓												
3	67			2500	✓ 2499	✓												
4	68			2000	✓ 2000													
5	69			1500	✓ 1497													
6	70			1250	✓ 1250					✓								
7	71			1250	✓ 1250													
8	72			1000	✓													
9	73			800	✓													
10	74			600	✓ 601													
11	75			400	✓				✓									
12	76			300	✓ 300				✓									
13	77			250	✓													
14	78			200	✓				✓									
15	79			175	✓													
16	80		5.69	150	✓				✓									
17	81		5.85	125	✓													
18	82		6.44	100	✓				✓									
19	83		7.11	75	✓				✓									
20	84		8.46	50	✓				✓									
21	85		15.68	25	✓				✓									
22	86		16.02	10					✓									
23	87		16.84	4		✓	✓	✓	✓	✓			✓					
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 3266

Cast # down: 24

Cast # up:

TimeLOCUTC

Begin: 18330133

Bottom: 19150215

End:

START POSITION (GPS)

LAT: 48°58.206

LONG: 130°39.938

BOTTOM POSITION (GPS)

LAT: 48°58.938

LONG: 130°39.957

END POSITION (GPS)

LAT:

LONG:

.005

-722

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-30 STATION: P16 CAST NUMBER: 29 UTC DATE (dd/mm/yyyy): 28/08/2002

Niskin No.	Sample No.	ROSETTE OPERATION		Samples taken												
		OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
						OXY				ALK		CHL				
1		.132	.25	400	399											
2		.139	.26	200	200.7											
3		.150	.334	150	150.5											
4		.403	.690	100	98.9											
5		.95	1.94	80	79.3											
6		1.64	4.80	60	60.6											
7		2.6	15.3	48	47.6											
8		2.5	30	42	42											
9		2.2	45	36	36.0											
10		1.2	75	30	30.0											
11		0.62	100	24	24.1											
12		.50	145	18	18.3											
13		.48	200	12	12.1											
14		.36	180	6	6.4											
15		.36	450	48 surface												
16																
17																
18				clla												
19				mat												
20																
21																
22																
23																
24																

Comments:

SHIP: Tully

ENTERED BY: DT/PT

CHECKED BY:

Bottom Depth: 3661

Cast # down: 29

Cast # up:

Time	LOC	UTC
Begin:		23:57
Bottom:		06:58
End:	1732	31:8

START POSITION (GPS)

LAT: 49° 16.993

LONG: 134° 39.975

BOTTOM POSITION (GPS)

LAT: 49° 17.091

LONG: 134° 40.092

END POSITION (GPS)

LAT: 49 17.25

LONG: 134 40.38

ROSETTE LOG

MISSION ID: 2002-30 STATION: P16 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 29/08/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	NH4	TCO	ALK	C13	CHL					
1	92			B-2	✓ 3679.3	✓	✓	✓		✓								
2	93			3500	✓	✓												
3	94			3000	✓	✓												
4	95			2500	✓													
5	96			2000	✓													
6	97			1500	✓													
7	98			1250	✓													
8	99			1000	✓													
9	100			800	✓													
10	101			600	✓													
11	102			400	✓				✓									
12	103			300	✓					2								
13	104			300	✓				✓									
14	105			250	✓													
15	106			200	✓				✓									
16	107			175	✓													
17	108			150	✓													
18	109			125	✓													
19	110			100	✓				✓									
20	111			75					✓									
21	112			50					✓									
22	113			25					✓									
23	114			10					✓									
24	115			4		✓	✓	✓	✓	✓			✓					

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 3660

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:	<u>2246</u>	<u>0546</u>
Bottom:	<u>2336</u>	<u>0636</u>
End:		

START POSITION (GPS)
LAT: 49 17.09
LONG: 134 40.04

BOTTOM POSITION (GPS)
LAT: 49 17.24
LONG: 134 40.07

END POSITION (GPS)
LAT:
LONG:
225
722

ROSETTE LOG

MISSION ID: 2002-30 STATION: P18 CAST NUMBER: 35 UTC DATE (dd/mm/yyyy): 29 08 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				1500	✓	1500												} water for TRAPS
2				1500	✓	1500												
3				1500	✓	1500												
4	117			250	✓			✓										
5	118			200	✓													
6	119			175	✓													
7	120			150	✓													
8	121			125	✓													
9	122			100	✓													
10	123			75	✓													
11	124			50	✓													
12	125			25	✓													
13	126			10	✓													
14	127			4	✓		✓	▼				✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-30 STATION: P20 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 30/08/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT	NH ₄	TCO		C13						
							OXY			ALK		CHL						
1	129			13-20	3991	✓	✓	✓		✓								
2	130			3500		✓												
3	131			3000		✓				2								Duplicate TCO ₂
4	132			2500														
5	133			2000														
6	134			1500														
7	135			1250														
8	136	X		1000														O ₂ too high
9	137			800														
10	138			600														
11	139			400					✓									
12	140			300					✓									
13	141		2.282	250														.390
14	142		2.749	250														.487
15	143		3.030	200					✓									
16	144	X		175														
17	145			150														
18	146			125														
19	147			100					✓									
20	148			75					✓									
21	149			50					✓									
22	150			25					✓									
23	151			10					✓									
24	152			4	3.2	✓	✓	✓	✓	✓		✓						SAL 32.389

Comments:

SHIP: Tully
ENTERED BY: J.W.
CHECKED BY:

Bottom Depth: 3988

Cast # down: 41
Cast # up: 41

Time	LOC	UTC
Begin:	0948	1648
Bottom:	1036	1736
End:	1145	1845

START POSITION (GPS)
LAT: 49 34.02
LONG: 138 40.03

BOTTOM POSITION (GPS)
LAT: 49 33.86
LONG: 138 40.61

END POSITION (GPS)
LAT: 49 34.14
LONG: 138 40.43

.005
-722

SHALLOWS

01/09/2003

END POSITION (GPS)
LAT: 50 00.00
LONG: 145 00.10

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-30

STATION: P26

CAST NUMBER: 54

UTC DATE (dd/mm/yyyy): 01/09/2002

Niskin No.	Sample No.	FLUOR OXY. Flask	PAR OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1		0.136	2.515 e-01	400														
2		0.143	2.508 e-01	300														
3		0.139	2.529 e-01	200														
4		0.143	2.806 e-01	150														
5		0.165	4.872 e-01	125														
6		0.271	6.184 e-01	100														
7		0.440	9.27 e-01	80														
8		0.599	1.47	70														
9		0.890	1.836	60														
10		1.231	3.495	50														
11		1.264	6.236	40														
12		1.996	1.508 e ¹	30														
13		1.227	4.5 e ¹	20														
14		1.117	1.1 e ²	10														
15				25m														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

01/09/2002

PAR Cast

P26

54

FLUOR

PAR

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	2041	2041
Bottom:	2048	2048
End:		2110

START POSITION (GPS)

LAT: 49 59 996

LONG: 145 00 034

BOTTOM POSITION (GPS)

LAT: 4

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-30 STATION: P26 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 02/09/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT	NH ₄	TCO	DIC	C13				
							OXY				ALK		CHL			
1	172		.601	4000	✓	✓	✓	✓		✓	2	✓				Do to high
2	173		.584	4000	✓	✓										
3	174			3500	✓	✓										
4	175			3000	✓	✓										
5	176			2500	✓											
6	177			2000	✓											
7	178			1500	✓											
8	179			1250	✓											
9	180			1000	✓											
10	181			800	✓											
11	182			600	✓											
12	183			400	✓					✓						
13	184			300	✓					✓						
14	185			250	✓											
15	186			200	✓					✓						
16	187			175	✓											
17	188			150	✓											
18	189			125	✓											
19	190			100	✓					✓						
20	191			75						✓						
21	192			50						✓						
22	193			25						✓						
23	194			10						✓						
24	195			4		✓	✓	✓	✓	✓	✓	✓		✓		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 4200

Cast # down: 57
Cast # up:

Time	LOC	UTC
Begin:	0116	0816
Bottom:	0205	0905
End:	0328	1028

START POSITION (GPS)
LAT: 50° 00.135
LONG: 145° 00.26

BOTTOM POSITION (GPS)
LAT: 50 00.08
LONG: 145 00.88

END POSITION (GPS)
LAT:
LONG:
1005
1722

MISSION ID: 2002-30 STATION: P26 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 03/09/2002

Comments:

ROSETTE LOG

MISSION ID: 2002-30 STATION: ED1 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 4/9/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	NH ₄	TCO	ALK	C13	CHL	PH ₄	BS	POC/N		
1	196			1500	✓	✓	✓	✓										
2	197			1250	✓	✓												
3	198			1000	✓	✓												
4	199			800	✓													
5	200			600	✓													
6	201			400	✓					✓								
7	202			300	✓													
8	203			250	✓													
9	204			200	✓				✓									
10	205			175	✓													Tmax 180m
11	206			150	✓													
12	207			125	✓													
13	208			100	✓				✓									
14	209			75	✓				✓									
15	210			50	✓				✓				✓	✓	✓	✓		Fluor max
16	211			25	✓				✓				✓	✓	✓	✓		
17	212			10	✓	10.5		✓	✓	✓			✓					
18	213			10	✓	11.6		✓	✓	✓			✓	✓	✓ _{1L}	✓ _{2L}		Pr. Prod.
19	214			4	✓	1.4	✓	✓	✓	✓			✓					
20	215			4	✓	2.8		✓	✓	✓			✓	✓	✓ _{1L}	✓ _{2L}		Pr. Prod.
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: JW
CHECKED BY:

Bottom Depth: 4440

Cast # down: 62
Cast # up:

Time	LOC	UTC
Begin:		1110
Bottom:		1136
End:		1215

START POSITION (GPS)
LAT: 49 12.03
LONG: 145 49.93

BOTTOM POSITION (GPS)
LAT: 49 12.24
LONG: 145 50.09

END POSITION (GPS)
LAT: 49 12.47
LONG: 145 50.24

1001 101013508
1723 1010

ROSETTE LOG

MISSION ID: 200230 STATION: EDb CAST NUMBER: 71 UTC DATE (dd/mm/yyyy): Sept 5 2k2

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13			POC	IO		
							OXY			ALK		CHL	Phlo	2L	BSi			
1	216	X		1500	✓ 1506	✓		✓	✓									O ₂ too high
2	217			1250	✓ 1254	✓												
3	218			1000	✓ 1002	✓												
4	219			800	✓ 804													
5	220			600	✓ 605													
6	221			400	✓ 401													
7	222			300	✓ 300													
8	223			250	✓ 250													
9	224			200	✓ 200													
10	225			175	✓ 174													
11	226			150	✓ 149													
12	227			125	✓ 125													
13	228			100	✓ 100													
14	229			75	✓ 75													
15	230			50	✓ 50								✓	✓	✓	✓		
16	231			25	✓ 24								✓	✓	✓	✓		
17	232			10	✓ 9.4			✓	✓				✓	✓	✓	✓		
18	233			10	✓ 9.7													PROD./PHYTO
19	234			4	✓ 3.6	✓	✓	✓					✓	✓	✓	✓		
20																		
21																		
22																		
23																		
24																		

Comments: Save all 10m water for Productivity (cubitainer if needed)

bgm 2001 rosette.xls

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 71

Cast # up:

TimeLOCUTC

Begin: 04091109

Bottom: r

End: 0500

START POSITION (GPS)

LAT: 5035973

LONG: 14340002

BOTTOM POSITION (GPS)

LAT: 5035924

LONG: 14340516

END POSITION (GPS)

LAT: 05

LONG: .001

.723

ROSETTE LOG

MISSION ID: 2002-30 STATION: R16 CAST NUMBER: 79 UTC DATE (dd/mm/yyyy): 06/09/2002

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	237			1500	✓	✓	✓	✓										
2	238			1250	✓	✓												
3	239			1000	✓	✓												
4	240			800	✓													
5	241			600	✓													
6	242			400	✓													
7	243			300	✓													
8	244			250	✓													
9	245			200	✓													
10	246			175	✓													
11	247			150	✓													
12	248			125	✓													
13	249			100	✓													
14	250			75	✓													
15	251			50	✓													
16	252			25	✓													
17	253			10	✓													
18	254			10	✓													
19	255			4		✓	✓	✓				✓						
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down: 79
Cast # up:

Time	LOC	UTC
Begin:	054	754
Bottom:	0110	810
End:	146	846

START POSITION (GPS)
LAT: 51 03 98
LONG: 140 14 04

BOTTOM POSITION (GPS)
LAT: 51 03 89
LONG: 140 14 147

END POSITION (GPS)
LAT: 51 03 62
LONG: 140 13 95
.001
.723

ROSETTE LOG

MISSION ID: 2002-30 STATION: R11 CAST NUMBER: 86 UTC DATE (dd/mm/yyyy): 06 09 2k2

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Blue Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	264			1500			✓	✓	✓									
2	265			1250			✓	✓	✓									
3	266			1000			✓	✓	✓									
4	267			800				✓	✓									
5	268			600				✓	✓									
6	269			400				✓	✓									
7	270			300				✓	✓									
8	271			250				✓	✓									
9	272			200				✓	✓									
10	273			175				✓	✓									
11	274			150				✓	✓									
12	275			125				✓	✓									
13	276			100				✓	✓									
14	277			75				✓	✓									
15	278			50				✓	✓									
16	279			25	24.5			✓	✓									
17	280			10	9.6			✓	✓									
18	281			4	9.5		✓	✓	✓			✓						
19					3.3													
20					3.3													
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	000	700
Bottom:	022	722
End:	050	750

START POSITION (GPS)

LAT: 51 15 166

LONG: 136 40 409

BOTTOM POSITION (GPS)

LAT: 51 15 17

LONG: 136 40 47

END POSITION (GPS)

LAT: 51 15 504

LONG: 136 40 647

.005

.717

ROSETTE LOG

MISSION ID: 2002 30 STATION: R 10 CAST NUMBER: 88 UTC DATE (dd/mm/yyyy): 07 09 2022

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	282			206	✓ 200	✓	✓	✓										Fired & Sent to 1500m
2	283			150	✓ 150													
3	284			100	✓ 100													
4	285			85	✓ 84													
5	286			70	✓ 70													
6	287			60	✓ 59													
7	288			48	✓ 47													
8	289			42	✓ 42													
9	290			36	✓ 30													
10	291			30	✓ 30													
11	292			24	✓ 23													
12	293			18	✓ 17													
13	294			12	✓ 12													
14	295			10	✓ 9													
15	296			10	✓ 9													
16	297			6	✓ 5													
17	298			4	✓ 4	✓	✓	✓					✓					
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:04531153

Bottom:05131213

End:05441244

START POSITION (GPS)

LAT:51 17 069

LONG:135 57 484

BOTTOM POSITION (GPS)

LAT:51 17 069

LONG:135 57 442

END POSITION (GPS)

LAT:51 17 205

LONG:135 57 367

ROSETTE LOG

MISSION ID: 2002-30 STATION: R8 CAST NUMBER: 90 UTC DATE (dd/mm/yyyy): yellow

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	300			1500	✓	✓	✓	✓										
2	301			1250	✓	✓												
3	302			1000	✓	✓												
4	303			800	✓													
5	304			600	✓													
6	305			400	✓													
7	306			300	✓													
8	307			250	✓													
9	308			200	✓													
10	309			175														O2 missing
11	310			150														
12	311			125														
13	312			100														
14	313			75														
15	314			50														
16	315			25														
17	316			10	11.2			✓	✓									
18	317			4	5.0	✓	✓	✓				✓						
19					4.7													
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1318	2018
Bottom:	1337	2037
End:	1410	2110

START POSITION (GPS)

LAT: 51 21 19

LONG: 134 32 75

BOTTOM POSITION (GPS)

LAT: 51 21 10

LONG: 134 32 83

END POSITION (GPS)

LAT: 51 21 02

LONG: 134 33 04

.005

.717

ROSETTE LOG

MISSION ID: 202-30 STATION: J5 CAST NUMBER: 93 UTC DATE (dd/mm/yyyy): green

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH ₄	ALK		CHL						
1	320			1500	✓	✓	✓	✓										
2	321			1250	✓	✓												
3	322			1000	✓	✓												
4	323			800	✓													
5	324			600	✓													
6	325			400	✓													
7	326			300	✓					✓								
8	327			250	✓													
9	328			200	✓					✓								
10	329			175														
11	330			150						✓								
12	331			125														
13	332			100														
14	333			75														
15	334			50														
16	335			25														
17	336			10				✓	✓	✓								
18	337			4		✓	✓	✓				✓						
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: Tully

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: _____

Cast # down: _____

Cast # up: _____

Time	LOC	UTC
Begin:	<u>027</u>	<u>727</u>
Bottom:		
End:		

START POSITION (GPS)

LAT: 51 27 43

LONG: 132 27 43

BOTTOM POSITION (GPS)

LAT: 51 27 46

LONG: 132 22 82

END POSITION (GPS)

LAT: _____

LONG: _____

.005

-717

ROSETTE LOG

MISSION ID: 2002-30 STATION: M72 CAST NUMBER: 97 UTC DATE (dd/mm/yyyy):

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	339			1500		✓		✓										
2	340			1250		✓												
3	341			1000		✓												
4	342			800														
5	343			600														
6	344			400														
7	345			300														
8	346			250														
9	347			200														
10	348			175														
11	349			150														
12	350			125														
13	351			100														
14	352			75														
15	353			50														
16	354			25														
17	355			10				✓										
18	356			4		✓		✓				✓						
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1355	2055
Bottom:	1414	2114
End:		

START POSITION (GPS)

LAT: 51 35 22

LONG: 130 55 18

BOTTOM POSITION (GPS)

LAT: 51 35 27

LONG: 130 55 22

END POSITION (GPS)

LAT:

LONG:

005

017

ROSETTE LOG

MISSION ID: 2002-30 STATION: MT3 CAST NUMBER: 9879 UTC DATE (dd/mm/yyyy):

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	357			B-10	✓ 395	✓	✓	✓										O2 missing
2	358	1327		350	✓ 349	✓												
3	359	1328		300	✓ 301	✓												
4	360			250	✓ 250													
5	361			200	✓ 201													
6	362			175	✓ 175													
7	363			150	✓ 151													
8	364			125	✓ 125													
9	365			100	✓ 100													
10	366			75	✓ 75													
11	367			50	✓ 49													
12	368		2.97	25	✓ 25.5													
13	369		2.73	10	✓ 10.7													
14	370	1341		4	✓ 3.9	✓	✓	✓				✓						
15					4.3													
16					3.9													
17					4.5													
18					4.2													
19					4.4													
20					4.3													
21					4.5													
22					4.5													
23					4.1													
24					4.5													

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 410

Cast # down: 98

Cast # up:

Time	LOC	UTC
Begin:		0122
Bottom:		0129
End:		0151

START POSITION (GPS)

LAT: 51 56 985

LONG: 130 27 048

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

005

017

ROSETTE LOG

MISSION ID: STATION: MT5 CAST NUMBER: 102 UTC DATE (dd/mm/yyyy): 9/9/2002

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	372			B-10	✓ 262.6	✓	✓	✓										
2	373			250	✓ 245.0	✓												
3	374			200	✓ 194.0													
4	375			175	✓ 172.2													
5	376			150	✓ 151.5													
6	377			125	✓ 125.4													
7	378			100	✓ 105.6													
8	379			75	✓ 77.2													
9	380			50	✓ 48.3													
10	381			25	✓ 23.6													
11	382			10	0.0													
12	383			4	0.0	✓	✓	✓				✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:0420753

Bottom:

End:

START POSITION (GPS)

LAT:523612

LONG:130987

BOTTOM POSITION (GPS)

LAT:523601

LONG:1300973

END POSITION (GPS)

LAT:523591

LONG:

005

0717

ROSETTE LOG

MISSION ID: 2002-30 STATION: MT7 CAST NUMBER: 104 UTC DATE (dd/mm/yyyy):

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	384			B-5	✓ 170	/	-	/										
2	385			160	✓ 160	/	-	/										
3	386			150	- 150	-	-	/										
4	387			125	✓ 125		-	/										
5	388			100	✓ 100		-	/										
6	389			75	✓ 75		/	/										
7	390			50	✓ 50		/	/										
8	391			25	✓ 25		/	/				/						
9	392			10	✓ 10		/	/				/						
10	393			4	✓ 4	/	-	/				/						
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tuuy
ENTERED BY:
CHECKED BY:

Bottom Depth: 199

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1312
Bottom:		1332
End:		

START POSITION (GPS)
LAT: 53 09 810
LONG: 130 30 312

BOTTOM POSITION (GPS)
LAT: 53 09 829
LONG: 130 30 172

END POSITION (GPS)
LAT:
LONG:
.005
.007

ROSETTE LOG

Principe Channel

MISSION ID: 2002-30 STATION: PC1 CAST NUMBER: 105 UTC DATE (dd/mm/yyyy): 09/09/2002

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	394			3-10	✓ 372.	✓	✓	✓										
2	395			350	✓	✓												
3	396			300	✓													
4	397			250	✓													
5	398			200	✓													
6	399			175	✓													
7	400			150	✓													
8	401			125	✓													
9	402			100	✓													
10	403			75														
11	404			50														
12	405			25	24.3													
13	406			10	10.0													
14	407			4	4.1	✓	✓	✓				✓						
15					4.1													
16					4.1													
17					4.0													
18					4.0													
19					4.0													
20					4.0													
21					4.0													
22					4.1													
23					4.1													
24					4.3													

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	1245	1945
Bottom:	1250	1950
End:	1304	2004

START POSITION (GPS)

LAT: 53 35 85

LONG: 130 17 60

BOTTOM POSITION (GPS)

LAT: 53 35 85

LONG: 130 17 81

END POSITION (GPS)

LAT: 53 36 11

LONG: 130 18 44

1005

1717

ROSETTE LOG

MISSION ID: 2002-30 STATION: MT10 CAST NUMBER: 117 UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	408			B-10	✓ 161	✓												
2	409			125	✓ 122													
3	410			100	✓ 100													
4	411			75	✓ 74													
5	412			50	✓ 49													
6	413			25	✓ 24													
7	414			10	✓ 9.6													
8	415			4	2.6	✓		✓	✓			✓						
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 117

Cast # up:

TimeLOCUTC

Begin: 06051305

Bottom: 06181318

End: 06261326

START POSITION (GPS)

LAT: 53 37 042

LONG: 130 44 859

BOTTOM POSITION (GPS)

LAT: 53 37 047

LONG: 130 44 806

END POSITION (GPS)

LAT: 53 36 999

LONG: 130 44 714

.005

.717

ROSETTE LOG

MISSION ID: 2902-30 STATION: MT9 CAST NUMBER: 120 UTC DATE (dd/mm/yyyy): 10/09/2002

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	416			3-10	✓ 166	✓	✓	✓								
2	417			160	✓ 160											
3	418			150	✓											
4	419			125	✓											
5	420			100	✓											
6	421			75	✓											
7	422			50	✓											
8	423			25	✓											
9	424			10	✓ 9.1											
10	425			4	✓ 2.3	✓	✓	✓				✓				
11					✓ 2.8											
12					✓ 2.3											
13					✓ 2.6											
14					✓ 2.3											
15					✓ 2.3											
16					✓ 2.6											
17					2.2											
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 172

Cast # down: 120

Cast # up:

Time	LOC	UTC
Begin:		1720
Bottom:		1730
End:		

START POSITION (GPS)

LAT: 53 19.87

LONG: 130 43.76

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

.005

.717

ROSETTE LOG

MISSION ID: 2002-30 STATION: M78 CAST NUMBER: 121 UTC DATE (dd/mm/yyyy): 10/9/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	426			B-5	182	✓	✓	✓										
2	427			B-10	177													
3	428			170														
4	429			150														
5	430			125														
6	431			100														
7	432			75														
8	433			50														
9	434			25														
10	435			10														
11	436			4		✓	✓	✓					✓					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 185m

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	1310	2010
Bottom:	1314	2014
End:	1325	2025

START POSITION (GPS)
LAT: 53 9 735
LONG: 130 26 213

BOTTOM POSITION (GPS)
LAT: 53 09 82
LONG: 130 26 37

END POSITION (GPS)
LAT: 53 16 07
LONG: 130 26 73
005
017

ROSETTE LOG

MISSION ID: 2002-30 STATION: SP 4 CAST NUMBER: 133 UTC DATE (dd/mm/yyyy):

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	444			B-10	✓ 188	✓	✓	✓										
2	445			180	✓													
3	446			170	✓													
4	447			150	✓													
5	448			125	✓													
6	449			100	✓													
7	450			75	✓													
8	451			50	✓													
9	452			25	✓													
10	453			10	✓ 9.2													
11	454			4	✓ 3.7	✓	✓	✓				✓						
12				4m	✓ 4.0													
13					✓ 3.7													
14					✓ 3.7													
15					✓ 3.8													
16					✓ 3.7													
17					✓ 4.0													
18					✓ 3.7													
19					✓ 3.8													
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-30 STATION: QCS2 CAST NUMBER: 135 UTC DATE (dd/mm/yyyy):

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	455			8-10	✓ 207	✓		✓										
2	456			200	✓													
3	457			175	✓													
4	458			150	✓													
5	459			125	✓													
6	460			100	✓													
7	461			75	✓													
8	462			50														
9	463			25														
10	464			10														
11	465			4		✓		✓		✓								
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

TimeLOCUTC

Begin:045745

Bottom:100800

End:109809

START POSITION (GPS)

LAT:504669

LONG:1270230

BOTTOM POSITION (GPS)

LAT:504672

LONG:1270226

END POSITION (GPS)

LAT:504671

LONG:1270219

.005

.717