

ROSETTE LOG

MISSION ID: 2002-08 STATION: TEST CAST NUMBER: - UTC DATE (dd/mm/yyyy): 07/05/2002

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	1A	1284	7.798	Loop	144.11							1390						1390 1400
2	1B	1282	7.777		143.58							1381						1381 1400
3	2A	1284	7.854		144.11													1400
4	2B	1282	7.884		143.58													1400
5	3	1284	8.645	Loop	144.11							✓						1554 ✓
6	3	1282	8.661	Loop	143.58							✓						1551 ✓
7	4	1286	8.259	-	142.49							✓						1468 ✓
8	4	1285	8.287	-	143.44							✓						1483 ✓
9	5	1288	8.219		142.31							✓						1459 ✓
10	5	1287	8.274		142.71							✓						1473 ✓
11	6	84	8.228		143.21							✓						1470 -
12	6	255	8.210		141.01							✓						1444 ✓
13	7	1285	7.289		143.44							✓						
14	7	1286	7.350		142.49							✓						1468
15	8	1285	7.288		143.44													1305 ✓
16	8	1286	7.300		143.44													1307 ✓
17	9	1282	8.196		143.58													1468 ✓
18	9	1284	8.243		144.11													1482 ✓
19	10	1291	9.238		140.31													1616 ✓
20	10	1290	9.281		141.72													1640 ✓
21	11	1280	7.664		136.84							✓						1308 ✓
22	11	1261	7.984		143.96							✓						1434 ✓
23	12	1209	8.205		145.25													1487 ✓
24	12																	

Comments: Loop oxygen samples were taken periodically for calibration purposes. Co-ordinates + times are in the log book.

SHIP: Tully

ENTERED BY: ST

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2012-08
STATION NAME: LOOPS

UTC DATE y/m/d: 02/05
CAST NUMBER: -

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp. ml/l	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	13																	
2	14																	
3	15	1153/1146	XIA/5.760														.916	
4	16	1158/1174	5.711/5.672													.930	1.016	
5	17	1176/1175	5.646/5.654													1.012	1.010	
6	18	1188/	5.755													1.033		
7	19																	
8	20	1189	5.831													1.054		
9	21																	
10	22																	
11	23	1192	6.261													1.123		
12	24	1194	5.862													1.060		
13	25	1193	5.808													1.051		
14	26	1195	5.779													1.053		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: S.T
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:
.01013324
10.08
.724
.003

Comments:
(Sample #15 - had colorimeter calibrated wrong)

ROSETTE LOG

MISSION ID: 2002-08 STATION: LG07 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 10/05/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	CHL-S					
1	5	1233	1.185	Bot-5	✓	1742			T									hit the bottom
2	6	1235	0.708	1500	✓	1499												
3	7	1237	0.409	1200	✓	1200												
4	8	1238	0.310	1000	✓	1000	✓											
5	9	1241	0.237	800	✓	800								.048				ugly end pt. for O2
6	10	1247	0.1432	600	✓	600												
7	11	1279	0.626	500	✓	500												
8	12	1247	1.152	400	✓	400												
9	13	1248	1.608	300	✓	300												
10	14	1249	2.021	250	✓	250												
11	15	1254	2.271	200	✓	200												
12	16	1256	2.422	175	✓	175												
13	17	1258	3.727	150	✓	150												
14	18	1260	3.729	125	✓	125												
15	19	1261	6.447	100	✓	100												
16	20	1264	7.019	75	✓	75												
17	21	1267	6.995	50		5049												
18	22	1268	7.325	45	✓	45							✓					put in wrong depth
19	23	1270	7.225	40	✓	40							✓	✓				(O2)
20	24	1271	7.392	35	✓	35							✓					
21	25	1272	7.394	30	✓	35							✓	✓				ugly end pt (O2)
22	26	1293	7.946	25	✓	30							✓	✓				
23	27	1274	8.024	10	✓	26							✓	✓				
24	28	1275	8.068	2	✓	10 (10)	✓	✓					✓	✓				

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

Bottom Depth: ~1800 (1775)

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		0427
Bottom:		0455
End:		0554

START POSITION (GPS)
LAT: 48° 59.32'
LONG: 127° 07.17' W

BOTTOM POSITION (GPS)
LAT: 48° 59.62
LONG: 127° 07.32

END POSITION (GPS)
LAT: 49° 00.16
LONG: 127° 07.47

Comments: OOPS - Did all bottles trip? Yes! * SOMEWHERE IN THE LAST 5 BOTTLES I MUST HAVE TRIPPED 2 AT THE SAME DEPTH - ALL 24 WERE TRIPPED BY THE TIME I GOT TO 2 M ∴ THERE IS NO 2 M SAMPLE + I (WE) HAVE TO FIND OUT WHERE THE 2ND SAMPLE WAS TAKEN. (S.T.) ~ WAS AT 25M

- O2 System recalibrated before these samples analyzed.

.003 .724
.01013324 10.08

ROSETTE LOG

MISSION ID: 2002-08 STATION: LG04 CAST NUMBER: 09 UTC DATE (dd/mm/yyyy): 10/05/2002

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	29	84	2.094	130		X												put in wrong O2 sample #
2	30	255	2.088	125	126	X												
3	31	364	2.636	100	100													
4	32	1244	3.176	75	75													
5	33	534	2.943	50	50													
6	34	535	3.594	45	45							XX						
7	35	572	4.271	40	40							XX						
8	36	588	4.796	35	35							XX						
9	37	1126	5.671	30	30							XX						
10	38	657	6.256	25	25							XX						
11	39	695	6.675	20	20							XX						
12	40	707	6.706	15	15							XX						
13	41	708	8.075	10	10							XX						
14	42	697	8.060	2	2							XX						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Some Sample #'s in O2 computer may be entered wrong. S.T.

SHIP: Tully
ENTERED BY: _____
CHECKED BY: _____

Bottom Depth: 134

Cast # down: 9
Cast # up: _____

Time	LOC	UTC
Begin:		<u>0858</u>
Bottom:		<u>0902</u>
End:		

START POSITION (GPS)
LAT: 49.12.88
LONG: 126.46.98

BOTTOM POSITION (GPS)
LAT: 49.12.94
LONG: 126.46.88

END POSITION (GPS)
LAT: _____
LONG: _____

Resale

ROSETTE LOG

MISSION ID: 2002-08

STATION: B101

CAST NUMBER: 2012

UTC DATE (dd/mm/yyyy):

10/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Size				
							OXY			ALK		CHL		Flow				
1	43	1175	1.080	BH+5	406	✓	✓	✓										
2	44	1158	1.796	300	301	✓	✓	✓										
3	45	1153	2.210	250	250	✓	✓	✓										
4	46	1174	2.223	200	200		✓	✓										
5	47	1176	2.427	175	175		✓	✓										
6	48	1188	2.826	150	150		✓	✓										
7	49	1193	3.126	125	125		✓	✓										
8	50	1189	4.024	100	100		✓	✓										
9	51	1192	5.477	75	74		✓	✓										
10	52	1146	6.930	50	50		✓	✓										
11	53	1231	6.971	45	45		✓						✓					
12	54	1194	6.968	40	39		✓						✓					
13	55	1206	6.971	35	35		✓						✓					
14	56	1209	6.959	30	30		✓	✓					✓	✓				
15	57	1215	6.945	25	25		✓						✓					
16	58	1201	6.945	20	20		✓	✓					✓	✓				
17	59	1203	6.945	15	15		✓	✓					✓	✓				
18	60	1195	7.704	10	10		✓	✓					✓	✓				
19	61	1222	7.867	2	4.0		✓						✓	✓				
20	62	1224	7.830	0	1.6		✓	✓										
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 410

Cast # down: 12 ~~1600~~

Cast # up: 12

Time LOC UTC

Begin: 1608

Bottom: 1615

End:

START POSITION (GPS)

LAT: 48° 32' 02.9"

LONG: 126° 11' 34"

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 2002-08 STATION: LB12 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): May 11, 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	CHS					
1	58	1141	0.526	465	✓	505	X											
2	59	1148	0.867	400	✓	402	X											
3	60	364	1.389	300	✓	300	X											
4	61	1244	1.571	250	✓	250												
5	62	534	1.898	200	✓	200												
6	63	535	2.366	175	✓	176												
7	64	572	2.685	150	✓	151												
8	65	588	3.297	125	✓	125												
9	66	1126	3.543	100	✓	100												
10	67	657	4.312	75	✓	75												
11	68	695	5.905	50	✓	50												
12	69	707	5.995	45	✓	45												
13	70	697	6.245	40	✓	40												
14	71	708	6.660	35	✓	35												
15	72	709	6.697	30	✓	30							xx					
16	73	730	6.899	25	✓	25							xx					
17	74	715	7.029	20	✓	20							xx					
18	75	727	7.169	15	✓	15							xx					
19	76	712	7.195	10	✓	10												
20	77	1105	7.211	2	✓	2		↓	↓				↓	xx				
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 510

Cast # down: 14

Cast # up:

Time

LOC

UTC

Begin: 0231

Bottom: 0246

End: 0307

START POSITION (GPS)

LAT: 48°12.95

LONG: 125°51.96

BOTTOM POSITION (GPS)

LAT: 48°12.95

LONG: 125°51.96

END POSITION (GPS)

LAT: 48°12.93

LONG: 125°51.87

ROSETTE LOG

MISSION ID: 2002-08 STATION: LB7 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 11/05/2002

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	78	1235	1.545	30.5	✓	155		T	T									
2	79	1233	1.500	125	✓	127												
3	80	1237	1.811	100	✓	98												
4	81	1238	2.982	75	✓	75												
5	82	1241	4.298	50	✓	50												
6	83	1277	5.387	45	✓	45							T					
7	84	1279	4.744	40	✓	40												
8	85	1247	5.206	35	✓	35												
9	86	1248	5.600	30	✓	32												
10	87	1249	6.015	25	✓	25												
11	88	1254	6.089	20	✓	20												
12	89	1256	7.604	15	✓	15												
13	90	1258	9.146	10	✓	10												
14	91	1260	9.172	2	✓	1.5		✓	✓				✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY: JE
CHECKED BY:

Bottom Depth: 157

Cast # down: 20
Cast # up: 20

Time	LOC	UTC
Begin:		0640
Bottom:		0642
End:		0656

START POSITION (GPS)
LAT: 48° 28.62'
LONG: 125 21.99'

BOTTOM POSITION (GPS)
LAT: 28.66
LONG: 22.07

END POSITION (GPS)
LAT: 28.65
LONG: 22.02

ROSETTE LOG

MISSION ID: 2002-08 STATION: LB 6 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 2

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY				ALK		CHL					
1	92	1264	1.792	bottom-5	110.9													entered under LB7
2	93	1267	1.843	100	99.9													(O2 computer)
3	94	1268	3.120	75	74.0													
4	95	1270	4.265	50	51.3													
5	96	1271	4.667	45	45.7													
6	97	1272	5.155	40	40.4													
7	98	1273	5.927	35	35.1													
8	99	1274	6.419	30	30.9													
9	100	1275	—	25	25.0													broke the flask.
10	101	1288	6.042	20	17.6													1.074
11	102	1287	7.468	15	14.8													1.330
12	103	1276	8.088	10	9.8													
13	104	1278	8.331	2	2.2													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: S.M.?
CHECKED BY:

Bottom Depth: 110

Cast # down: 22
Cast # up:

Time	LOC	UTC
Begin:		0755
Bottom:		0757
End:		0800

START POSITION (GPS)
LAT: 48° 32' 23"
LONG: 125° 15' 57"

BOTTOM POSITION (GPS)
LAT: 48° 32' 21"
LONG: 125° 15' 59"

END POSITION (GPS)
LAT: 48° 32' 23"
LONG: 125° 15' 81"

ROSETTE LOG

MISSION ID: 2002 - 08 STATION: LB04 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 11/05/2002

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	105	1175	1.777	bottom-5	107			✓										
2	106	1158	1.858	100	99			✓										
3	107	1153	3.073	75	75			✓										
4	108	1174	3.997	50	50			✓										
5	109	1176	4.536	45	45													
6	110	1188	4.898	40	38													
7	111	1193	5.275	35	35													
8	112	1189	5.725	30	29			✓										
9	113	1192	5.841	25	25													
10	114	1146	5.912	20	20			✓										
11	115	1231	6.076	15	14													
12	116	1194	6.123	10	10			✓										
13	117	1206	6.758	2	1			✓										
14								8										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 112

Cast # down: 25
Cast # up:

Time	LOC	UTC
Begin:		0932
Bottom:		0934
End:		0945

START POSITION (GPS)
LAT: 48° 35.73
LONG: 125° 08.67

BOTTOM POSITION (GPS)
LAT: 48° 35.73
LONG: 125° 08.66

END POSITION (GPS)
LAT: 48° 35.80
LONG: 125° 08.71

ROSETTE LOG

MISSION ID: 2002-09 STATION: LB02 CAST NUMBER: 28 UTC DATE (dd/mm/yyyy): 11/05/2002

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	118	1215	4.153	bottom-5	50		✓	✓										
2	119	1201	4.288	45	96							✓✓						
3	120	1203	4.372	40								✓✓						
4	121	1195	4.588	35	✓ 35							✓✓						
5	122	1222	4.765	30	✓ 30			✓				✓✓						
6	123	1224	5.400	25	✓ 25							✓✓						
7	124	1210	6.695	20	✓ 20			✓				✓✓						
8	125	1212	8.058	15	✓ 15							✓✓						
9	126	1216	8.249	10	✓ 10			✓				✓✓						
10	127	1223	8.421	2			✓	✓				✓✓						
11								5										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: SM / JC
CHECKED BY:

Bottom Depth: 50

Cast # down: 28
Cast # up: 28

Time	LOC	UTC
Begin:		1058
Bottom:		1059
End:		—

START POSITION (GPS)
LAT: 48° 38.99
LONG: 125° 02.61

BOTTOM POSITION (GPS)
LAT: 48° 39.004
LONG: 125° 02.63

END POSITION (GPS)
LAT: —
LONG: —

ROSETTE LOG

MISSION ID: 2002-08

STATION: LB01

CAST NUMBER: 30

UTC DATE (dd/mm/yyyy):

11/05/2002

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	CHL				from bottle
1	128			2750-5	✓ 27													25.9 138
2	129	128	1293	4.798	2725	✓ 25												25.0 129
3	130	129	1297	4.952	2520	✓ 20												25.1 130
4	131	130	1295	5.371	2015	✓ 15												20.7 x 131
5	132	131			1510	✓ 10												15.2 132
6	133	132	1298	7.104	102	✓ 2		✓					✓	✓				10.3 133
7		133	1294	7.681	2													2.0 x 134
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

The O₂ sample #'s + depths were all mixed up. I don't know which goes where - just guessing (S.T.)

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 30

Cast # down: 30

Cast # up:

Time	LOC	UTC
Begin:		1146
Bottom:		1146
End:		1154

START POSITION (GPS)
LAT: 48° 40.44
LONG: 124° 59.51

BOTTOM POSITION (GPS)
LAT: 48° 40.44
LONG: 124° 59.51

END POSITION (GPS)
LAT: 48° 40.44
LONG: 124° 59.51

Reside.

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFE1 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 12/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	134			30.5	✓ 22								✓					
2	135			20	✓ 20								✓✓					
3	136			10	✓ 10								✓✓					
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: JE
CHECKED BY:

Bottom Depth: 27

Cast # down: 32
Cast # up:

Time LOC UTC
Begin: 0542
Bottom:
End:

START POSITION (GPS)
LAT: 48° 27' 25" N
LONG: 124° 15' 18" W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFE 2 CAST NUMBER: 34 UTC DATE (dd/mm/yyyy): 12/05/2002

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	137			30	✓	29.9						✓✓						
2	138			20	✓	20						✓✓						
3	139			10	✓	10						✓✓						
4																		
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Comments:

SHIP: Tully.
ENTERED BY:
CHECKED BY:

Bottom Depth: 136

Cast # down: 34
Cast # up:

Time	LOC	UTC
Begin:		0615
Bottom:		0620
End:		0625

START POSITION (GPS)
LAT: 48°25'21"
LONG: 124°14'82"

BOTTOM POSITION (GPS)
LAT: 48°25'22"
LONG: 124°14'76"

END POSITION (GPS)
LAT: 48°25'23"
LONG: 124°14'71"

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFE4 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 12/05/2002

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	140			200	220	✓												
2	141			200	200	✓												
3	142			175	175	✓												
4	143			30	30							✓✓						
5	144			20	20							✓✓						
6	145			10	10							✓✓						
7																		
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SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 228

Cast # down: 38

Cast # up:

TimeLOCUTC

Begin:0725

Bottom:

End:0736

START POSITION (GPS)

LAT:48°21.27

LONG:124°15.11

BOTTOM POSITION (GPS)

LAT:48°21.27

LONG:124°15.13

END POSITION (GPS)

LAT:48°21.29

LONG:124°15.13

Comments:

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFES CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 12/05/2002

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	146			Bo-5	206	✓												
2	147			200	200	✓												
3	148			175		✓												
4																		
5																		
6																		
7																		
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Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 211

Cast # down: 40

Cast # up:

Time

LOC

UTC

Begin: 0805

Bottom:

End: 0812

START POSITION (GPS)

LAT: 48°19.32

LONG: 124°15.12

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 48°17.80

LONG: 124°14.99

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFEG CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 12/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY				ALK		CHL					
1	149			30	30								vv					
2	150			20	19								vv					
3	151			10	11								vv					
4																		
5																		
6																		
7																		
8																		
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Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 175

Cast # down: 42
Cast # up:

Time LOC UTC
Begin: 0856
Bottom:
End: 0905

START POSITION (GPS)
LAT: 48°17.80
LONG: 124°14.99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 48°17.82
LONG: 124°14.97

ROSETTE LOG

MISSION ID: 2002-08 STATION: JFE7 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 12/05/2002

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	152			30	30								✓✓					
2	153			20	20								✓✓					
3	154			10	10								✓✓					
4																		
5																		
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SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 85

Cast # down: 44

Cast # up:

TimeLOCUTC

Begin:0941

Bottom:

End:0948

START POSITION (GPS)

LAT:48°16.37

LONG:124°15.03

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:48°16.37

LONG:124°15.05

Comments:

ROSETTE LOG

MISSION ID: 2002-08
STATION NAME: JF-D7

UTC DATE y/m/d: 02/05/12
CAST NUMBER: 46

SHIP: JP TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	155			30		✓ 30												
2	156			20		✓ 20												
3	157			10		✓ 10												
4																		
5																		
6																		
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ENTERED BY:
CHECKED BY:

Bottom Depth: 55

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		1114
Bottom:		1116
End:		1119

START POSITION (GPS)
LAT: 48 11.95
LONG: 123 59.96

BOTTOM POSITION (GPS)
LAT: 48 11.95
LONG: 123 59.96

END POSITION (GPS)
LAT: 48 11.98
LONG: 123 59.95

Comments:

ROSETTE LOG

MISSION ID: 2002-08
STATION NAME: JFDB

UTC DATE y/m/d: 02/05/12
CAST NUMBER: 48

SHIP: JP TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	158			30		✓30				✓✓								
2	159			20		✓20				✓✓								
3	160			10		✓10				✓✓								
4																		
5																		
6																		
7																		
8																		
9																		
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11																		
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24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 114

Cast # down: 48
Cast # up:

Time	LOC	UTC
Begin:		1143
Bottom:		1145
End:		1149

START POSITION (GPS)
LAT: 48° 13.75
LONG: 124° 00.06

BOTTOM POSITION (GPS)
LAT: 48° 13.74
LONG: 124° 00.06

END POSITION (GPS)
LAT: 48° 13.72
LONG: 124° 00.06

Comments:

ROSETTE LOG

MISSION ID: 2002-08
STATION NAME: JFD4

UTC DATE y/m/d: 02/05/12
CAST NUMBER: 52

SHIP: JP TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	161			Bot-5	180	✓	✓											
2	162			175	175	✓	✓											
3	163			150	150	✓	✓											
4	164			30	30	✓				✓✓								
5	165			20	20	✓				✓✓								
6	166			10	10	✓				✓✓								
7																		
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ENTERED BY: DFM.
CHECKED BY:

Bottom Depth: 188

Cast # down: 52
Cast # up:

Time	LOC	UTC
Begin:		1311
Bottom:		1314
End:		1323

START POSITION (GPS)
LAT: 48° 17.73
LONG: 124° 00.03

BOTTOM POSITION (GPS)
LAT: 48° 17.73
LONG: 123° 59.99

END POSITION (GPS)
LAT: 48° 17.77
LONG: 123° 59.94

Comments: