

ROSETTE LOG

MISSION ID: 2004-7 STATION: N103 CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 28

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	1			bottom	~400	✓												
2	2			350	352	✓												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULY

ENTERED BY:

CHECKED BY:

Bottom Depth: 410

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0724
Bottom:		0732
End:		0740

START POSITION (GPS)

LAT: 49 16.049

LONG: 123 45.674

BOTTOM POSITION (GPS)

LAT: 49 16.019

LONG: 123 45.544

END POSITION (GPS)

LAT: 49 16 148

LONG: 123 45.404

ROSETTE LOG

MISSION ID: 2004-7 STATION: V103 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): April 29 / 2004

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	5			bottom	338	✓												
2	6			350														
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: Lucius Perreault
CHECKED BY:

Bottom Depth: 338

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	05:22	
Bottom:	05:30	
End:	05:36	

START POSITION (GPS)
LAT: 49.5.936
LONG: 123.28.927

BOTTOM POSITION (GPS)
LAT: 49.5.81
LONG: 123.28.795

END POSITION (GPS)
LAT: 49.5.711
LONG: 123.28.733

ROSETTE LOG

MISSION ID: 2004-7 STATION: SFO2 CAST NUMBER: 033 UTC DATE (dd/mm/yyyy): April 30 /2004

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	6			bottom	210	✓												
2																		
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: LP
CHECKED BY:

Bottom Depth: 210

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	0547	
Bottom:	0551	
End:	0555	

START POSITION (GPS)
LAT: 48 50 473
LONG: 123 6 824

BOTTOM POSITION (GPS)
LAT: 48 50 443
LONG: 123 6 774

END POSITION (GPS)
LAT: 48 50 446
LONG: 123 6 733

ROSETTE LOG

MISSION ID: 2004-07 STATION: LAO1 CAST NUMBER: 38 UTC DATE (dd/mm/yyyy): 02/05/2004

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	10	1472	1.900	Bot -10	/	255	X											
2	11	1473	2.084	200	/													
3	12	1474	2.175	175	/													
4	13	1479	2.455*	150	/													* BUBBLE on lens
5	14	1463	2.422	125	/													
6	15	1464	2.708	100	/													
7	16	1471	3.158	75	/													
8	17	1470	3.691	50	/													
9	18	1468	4.068	30	/													
10	19	1477	4.646	20	/													
11	20	1475	6.231	10	/													
12	21	1476	6.309	5	/		X											
13	22	1478	6.287	0	/		V											
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: COMPUTER Lockup @ 18/1468 REBOOT

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 266

Cast # down: 38
Cast # up: 38

Time	LOC	UTC
Begin:		20:33
Bottom:		20:40
End:		20:58

START POSITION (GPS)
LAT: 48 29.15
LONG: 124 43.69

BOTTOM POSITION (GPS)
LAT: 48 29.10
LONG: 124 43.80

END POSITION (GPS)
LAT: 48 28.89
LONG: 124 43.90

ROSETTE LOG

MISSION ID: 2004-07 STATION: LA02 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 02/05/2004

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	23	1438	1.699	Bot - 10	/	✓												
2	24	1432	1.676	250	/													
3	25	1433	1.833	200	/													
4	26	1434	1.968	175	/													
5	27	1435	1.963	150	/													
6	28	1460	2.165	125	/													
7	29	1439	2.381	100	/													
8	30	1441	2.659	75	/													
9	31	1440	3.661	50	/													
10	32	1442	5.189	30	/													
11	33	1443	6.037	20	/													
12	34	1444	6.961	10	/													
13	35	1445	6.913	5	/	✓												
14	36	1446	6.684	0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 308

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:		21:50
Bottom:		21:59
End:		22:16

START POSITION (GPS)

LAT: 48 26.22

LONG: 124 51.44

BOTTOM POSITION (GPS)

LAT: 48 26.15

LONG: 124 51.51

END POSITION (GPS)

LAT: 48 26 02

LONG: 124 51 59

ROSETTE LOG

MISSION ID: 2004-07

STATION: LA 04

CAST NUMBER: 43

UTC DATE (dd/mm/yyyy): 02/05/04

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	37	1448	1.750	8-10	✓	180	x	✓										
2	38	1449	1.828	150	✓													
3	39	1450	2.011	125	✓													
4	40	1451	2.118	100	✓													
5	41	1452	2.593	75	✓													
6	42	1453	4.870	50	✓													
7	43	1454	5.804	30	✓													
8	44	1455	4.313*	20	✓													* RUT @ 54% ? Ni Good
9	45	1456	7.500	10	✓													
10	46	1457	7.503	5	✓													
11	47	1458	7.468	0	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

03/05/04

02/05/04

SHIP:

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 190

Cast # down: 43

Cast # up:

Time	LOC	UTC
Begin:		0239
Bottom:		0243
End:		0257

START POSITION (GPS)

LAT: 48 19 37

LONG: 125 04 09

BOTTOM POSITION (GPS)

LAT: 48 19 37

LONG: 125 04 11

END POSITION (GPS)

LAT: 48 19 38

LONG: 125 04 13

ROSETTE LOG

MISSION ID: 2004-07 STATION: LA06 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 03/05/04

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	1472	2.232	8-10		x	✓											
2	49	1473	2.180	100		✓												
3	50	1474	3.866	75		✓												
4	51	1479	4.799	50														
5	52	1463	5.898	30														
6	53	1464	6.704	20														
7	54	1471	8.195	10														
8	55	1470	7.994	5		x	✓											
9	56	1468	7.830	0														
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: LP

CHECKED BY:

Bottom Depth: 130

Cast # down: 45

Cast # up:

Time	LOC	UTC
Begin:	0436	
Bottom:	0439	
End:	0449	

START POSITION (GPS)

LAT: 48 12 617

LONG: 125 17 156

BOTTOM POSITION (GPS)

LAT: 48 12 635

LONG: 125 17 154

END POSITION (GPS)

LAT: 48 12 611

LONG: 125 17 184

ROSETTE LOG

MISSION ID: 2004-05 STATION: LA09 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 03/5/2004

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	57	1322	1.295	Bot-10	✓	340	x											
2	58	1323	1.571	250	✓													
3	59	1329	2.001	200	✓													
4	60	1332	2.344	175	✓													
5	61	1467	3.364	150	✓													
6	62	1466	4.016	125	✓													
7	63	1338	5.318	100	✓													
8	64	1341	5.944	75	✓													
9	65	1342	6.606	50	✓													
10	66	1345	6.674	30	✓													
11	67	1346	7.595	20	✓													
12	68	1333	7.876	10	✓													
13	69	1134	7.845	5	✓		x											
14	70	1347	7.842	0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: D.A.

CHECKED BY: H.M.

Bottom Depth: 363

Cast # down: 48

Cast # up:

Time	LOC	UTC
Begin:		0745
Bottom:		0751
End:		0808

START POSITION (GPS)

LAT: 48 02 38

LONG: 125 36 86

BOTTOM POSITION (GPS)

LAT: 48 02 34

LONG: 125 36 84

END POSITION (GPS)

LAT: 48 02 43

LONG: 125 36 94

ROSETTE LOG

MISSION ID: 2004-07 STATION: LA10 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 03/05/04

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	71 *	1324	0.321	B-10	✓ 920											CLEAN KIT ?
2	72 *	1325	0.262	800	✓											WARNING }
3	73	1326	0.375	600	✓											
4	74	1327	1.087	400	✓											
5	75	1228	1.846 *	300	✓ *											+ FLASH CALLED 1328
6	76	1231	2.011 *	250	✓ *											1331
7	77	1233	2.242	200	✓											
8	78	1235	2.676	175	✓ *											FROZUP - RE BOOT 1335
9	79	1247	3.284	150	✓											
10	80	1237	3.816	125	✓											
11	81	1238	4.444	100	✓											
12	82	1241	6.079	75	✓											
13	83	1248	6.447	50	✓											
14	84	1256	6.437	30	✓											
15	85	1258	5.945	20	✓											
16	86	1260	6.695	10	✓											
17	87	1267	7.113	5	✓											
18	88	1268	7.197	0	✓											
19																
20																
21																
22																
23																
24																

Comments:

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

Bottom Depth: 943

Cast # down: 49
Cast # up:

Time	LOC	UTC
Begin:		0858
Bottom:		0910
End:		0944

START POSITION (GPS)
LAT: 47 59 .07
LONG: 125 43 .47

BOTTOM POSITION (GPS)
LAT: 47 59 06
LONG: 125 43 45

END POSITION (GPS)
LAT: 47 59 00
LONG: 125 43 46

ROSETTE LOG

MISSION ID: 2004-7 STATION: LB 14 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 04/05/04

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	89	1228	0.522	B-10	✓ 1175	✓	✓											
2	90	1231	0.314	1000	✓													
3	91	1233	0.286	800	✓													
4	92	1235	0.400	600	✓													
5	93	1237	1.001	400	✓													
6	94	1238	1.472	300	✓													
7	95	1241	1.818	250	✓													
8	96	1247	2.172	200	✓													
9	97	1248	3.489	150	✓													
10	98	1256	4.004	125	✓													
11	99	1258	4.501	100	✓													
12	100	1260	5.511	75	✓													
13	101	1267	6.452	50	✓													
14	102	1268	6.586	30	✓													
15	103	1270	6.853	20	✓													
16	104	1271	7.087	10	✓													
17	105	1272	6.993	5	✓		✓											
18	106	1273	9.276	* 0	✓		✓											* BUBBLES in SAMPLE
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 1181

Cast # down: 51

Cast # up:

Time	LOC	UTC
Begin:		0838
Bottom:		0852
End:		0922

START POSITION (GPS)

LAT: 48 08.51

LONG: 125 59.98

BOTTOM POSITION (GPS)

LAT: 48 08.47

LONG: 126 00.01

END POSITION (GPS)

LAT: 48 08.52

LONG: 126 00.11

ROSETTE LOG

MISSION ID: 2004-07 STATION: LB 10 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 04/05/04

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	107	1322	2.482	8-10	✓ 143	✓	✓											
2	108	1323	3.190	125	✓													
3	109	1329	3.698	100	✓													
4	110	1332	4.549 *	75	✓													LAPTOP HUNG UP - REBOOT
5	111	1333	5.030	50	✓													
6	112	1338	5.277	30	✓													
7	113	1341	6.631	20	✓													
8	114	1342	6.910	10	✓													
9	115	1345	7.051	5	✓	✗												
10	116	1346	7.041	0			✓											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY
ENTERED BY:
CHECKED BY:

Bottom Depth: 154

Cast # down: 53
Cast # up:

Time	LOC	UTC
Begin:		11 40
Bottom:		11 43
End:		11 53

START POSITION (GPS)
LAT: 48 18 55
LONG: 125 41 18

BOTTOM POSITION (GPS)
LAT: 48 18 54
LONG: 125 41 21

END POSITION (GPS)
LAT: 48 18 51
LONG: 125 41 34

ROSETTE LOG

MISSION ID: 2004.07 STATION: LB 8 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 04/05/04

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	117	1348	0.839	B-10	✓ 133	X	✓											? to Low
2	118	1356	1.227	125	✓													
3	119	1358	2.849	100	✓													
4	120	1361	3.712	75	✓													
5	121	1362	4.691	50	✓													
6	122	1363	5.860	30	✓													
7	123	1364	6.628	20	✓													
8	124	1367	7.373	10	✓													
9	125	709	7.376	5	✓	X												
10	126	707	7.387	0	✓													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 140

Cast # down: 54

Cast # up:

Time	LOC	UTC
Begin:		1309
Bottom:		1312
End:		1322

START POSITION (GPS)

LAT: 48 25 25

LONG: 125 28 67

BOTTOM POSITION (GPS)

LAT: 48 25 27

LONG: 125 28 71

END POSITION (GPS)

LAT: 48 25 32

LONG: 125 28 80

ROSETTE LOG

MISSION ID: 2004-07 STATION: LC 10 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 05/05/04

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	128	1322	0.468	B-10	/	x	✓											
2	129	1323	0.373	1000	/	x												
3	130	1329	0.293	800	/													
4	131	1332	0.419	600	/													
5	132	1333	1.112	400	/													
6	133	1338	1.478	300	/													
7	134	1341	1.843	250	/													
8	135	1342	2.810	200	/													
9	136	1346	3.388	150	/													
10	137	1345	3.747	125	/													
11	138	1347	5.085	100	/													
12	139	1348	6.341	75	/													
13	140	1356	6.316	50	/													
14	141	1358	5.406	30	/													
15	142	1361	6.567	20	/													
16	143	1362	6.888	10	/													
17	144	1363	6.829	5		x												
18	145	1364	6.832	0			✓											
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TOLLER

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 1250

Cast # down: 56

Cast # up:

Time	LOC	UTC
Begin:		0316
Bottom:		0332
End:		0408

START POSITION (GPS)

LAT: 48 22 . 39

LONG: 126 20 . 8

BOTTOM POSITION (GPS)

LAT: 48 22 . 41

LONG: 126 20 . 27

END POSITION (GPS)

LAT: 48 22 . 35

LONG: 126 20 . 24

ROSETTE LOG

MISSION ID: 2001-07 STATION: LCO8 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 05/5/2004

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	1367	1.696	Bot - 10	✓ 191											
2	147	709	1.849	175	✓											
3	148	707	2.914	150	✓											
4	149	715	3.167	125	✓											
5	150	1105	3.711	100	✓											
6	151	1110	4.917	75	✓											
7	152	1126	5.657	50	✓											
8	153	1128	6.346	30	✓											
9	154	1134	6.532	20	✓											
10	155	1465	6.703	10	✓											
11	156	1466	6.678	5	✓	x										
12	157	1467	6.666	0	✓											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 205

Cast # down: 60

Cast # up: 60

Time	LOC	UTC
Begin:		0656
Bottom:		0700
End:		0715

START POSITION (GPS)

LAT: 48 29 41

LONG: 126 07 10

BOTTOM POSITION (GPS)

LAT: 48 29 41

LONG: 126 07 12

END POSITION (GPS)

LAT: 48 29 40

LONG: 126 07 14

ROSETTE LOG

MISSION ID: 2004-07 STATION: Lc 06 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 05/05/04

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	158	1228	3.005	B-10	✓ 86													
2	159	1231	2.767	75	✓													
3	160	1233	5.527	50	✓													
4	161	1235	5.408	30	✓													
5	162	1237	6.045	20	✓													
6	163	1238	7.148	10	✓													
7	164	1241	7.117	5	✓													
8	165	1247	7.118	0	✓													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

92
05/05/04

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

Bottom Depth:

Cast # down: 61
Cast # up:

Time	LOC	UTC
Begin:		0850
Bottom:		0852
End:		0900

START POSITION (GPS)
LAT: 48 36 44
LONG: 125 54 03

BOTTOM POSITION (GPS)
LAT: 48 36 43
LONG: 125 54 04

END POSITION (GPS)
LAT: 48 36 41
LONG: 125 54 09

ROSETTE LOG

MISSION ID: 2004-07 STATION: LC 4 CAST NUMBER: 65 UTC DATE (dd/mm/yyyy): 05/05/04

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	166	1256	3.454	8-10	✓ 157		✓											
2	167	1258	3.520	150	✓													
3	168	1260	3.777	125	✓													
4	169	1267	3.989	100	✓													
5	170	1268	4.371	75	✓													
6	171	1270	4.817	50	✓													
7	172	1271	5.108	30	✓													
8	173	1272	6.477	20	✓													
9	174	1273	7.674	10	✓													
10	175	1274	7.689	5	✓		✓											
11	176	1276	7.644	0	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 168

Cast # down: 65
Cast # up:

Time	LOC	UTC
Begin:		11 22
Bottom:		11 25
End:		11 35

START POSITION (GPS)
LAT: 48 43.39
LONG: 125 40.78

BOTTOM POSITION (GPS)
LAT: 48 43.39
LONG: 125 40 71

END POSITION (GPS)
LAT: 48 43.36
LONG: 125 40.54

Comments:

ROSETTE LOG

MISSION ID: 2004-07 STATION: LEO8 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 06/05/2004

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	177	1332	1.747	Bot-10	✓ 2070	x												
2	178	1323	0.720	1500	✓	x												
3	179	1329	0.244	1000	✓	x												
4	180	1332	0.280	750	✓													
5	181	1333	0.809	500	✓													
6	182	1338	1.339	400	✓													
7	183	1341	2.026	300	✓													
8	184	1342	2.268	250	✓													
9	185	1346	2.490	200	✓													
10	186	1345	2.872	175	✓													
11	187	1347	3.411	150	✓													
12	188	1348	4.438	125	✓													
13	189	1356	5.695	100	✓													
14	190	1358	6.466	75	✓													
15	191	1361	6.556	50	✓													
16	192	1362	6.713	30	✓													
17	193	1363	6.684	20	✓													
18	194	1364	6.628	10	✓													
19	195	1367	6.623	5	✓	x												
20	196	789	6.602	0	✓													
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 2075

Cast # down: 66

Cast # up: 66

Time	LOC	UTC
Begin:		0501
Bottom:		0531
End:		0621

START POSITION (GPS)

LAT: 48 55.27

LONG: 127 13.441

BOTTOM POSITION (GPS)

LAT: 48 55.29

LONG: 127 13.58

END POSITION (GPS)

LAT: 48 55.31

LONG: 127 13.48

ROSETTE LOG

MISSION ID: 2004-07 STATION: LG 06 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 06/05/04

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	197	1228	0.290	B-10	✓	968	✓	✓										
2	198	1231	0.254	800	✓													
3	199	1233	0.488	600	✓													
4	200	1235	0.477	400	✓	600												HIT 600 TWICE
5	201	1237	1.117	300	✓	400												
6	202	1238	2.313	200	✓	300												
7	203	1241	2.149	100	✓	250												
8	204	1247	2.895	175	✓	200												
9	205	1248	3.407	150	✓	175												
10	206	1256	3.751	125	✓	150												
11	207	1258	4.192	125	✓	125												
12	208	1260	4.589	75	✓	100												
13	209	1267	6.463	50	✓	75												
14	210	1268	6.625	30	✓	50												
15	211	1270	6.521	20	✓	30												
16	212	1271	6.681	10	✓	20												
17	213	1272	N. READING	*	✓	10	✓											COMPUTER CRASH
18	214	1273	6.707	*	✓	5	✓	✓										NO GOOD - REAK CRASH
19	215	1274	6.714		✓	0												
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 968

Cast # down: 67

Cast # up:

Time	LOC	UTC
Begin:		0739
Bottom:		0751
End:		0819

START POSITION (GPS)

LAT: 49 03 50

LONG: 127 01 19

BOTTOM POSITION (GPS)

LAT: 41 03 52

LONG: 127 01 24

END POSITION (GPS)

LAT: 49 03 47

LONG: 127 01 11

ROSETTE LOG

MISSION ID: 2004-07 STATION: LG 04 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): 06/05/04

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	216	1432	2.303	B-10	✓ 138		✓											
2	217	1433	2.545	125	✓													
3	218	1434	4.704	100	✓													
4	219	1435	5.931	75	✓													
5	220	1437	6.347	50	✓													
6	221	1438	6.573	30	✓													
7	222	1439	6.923	20	✓													
8	223	1440	7.071	10	✓													
9	224	1441	7.026	5	✓	✓												
10	225	1442	6.861	0	✓		✓											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 148

Cast # down: 69

Cast # up:

Time	LOC	UTC
Begin:		0957
Bottom:		0954
End:		1004

START POSITION (GPS)

LAT: 49 11 25

LONG: 126 49 39

BOTTOM POSITION (GPS)

LAT: 49 11 21

LONG: 126 49 41

END POSITION (GPS)

LAT: 49 11 17

LONG: 126 49 44

ROSETTE LOG

MISSION ID: 2004-07 STATION: LG 02 CAST NUMBER: 71 UTC DATE (dd/mm/yyyy): May 7, 2004

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	1432	3.576	B-10	91		✓											
2	227	1433	4.470	75	76													
3	228	1434	5.584	50	51													
4	229	1435	5.943	30	30													
5	230	1437	7.029	20	20													
6	231	1438	7.065	10	10													
7	232	1439	6.947	5	5	✓												
8	233	1440	6.902	0	1		✓											
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
ENTERED BY: H.M./LP
CHECKED BY:

Bottom Depth: 101

Cast # down: 71
Cast # up:

Time	LOC	UTC
Begin:	0312	
Bottom:	0315	
End:	0324	

START POSITION (GPS)
LAT: 49 20 464
LONG: 126 35 122

BOTTOM POSITION (GPS)
LAT: 49 20 455
LONG: 126 35 140

END POSITION (GPS)
LAT: 49 20 452
LONG: 126 35 143

Comments:

ROSETTE LOG

MISSION ID: 2004-07 STATION: LD04 CAST NUMBER: 73 UTC DATE (dd/mm/yyyy): 07/05/04

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	234	1445	4.325	B-10	✓ 57		✓											* NOTE
2	235	1446	5.413	30	✓													CAST 73 is
3	236	1447	6.782	20	✓													NOT in COMPUTER
4	237	1448	7.183	10	✓													- NO IDEA WHY -
5	238	1449	7.087	5	✓		✓											
6	239	1450	7.098	0	✓			✓										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

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

Bottom Depth: 65

Cast # down: 73

Cast # up:

Time	LOC	UTC
Begin:		0803
Bottom:		0805
End:		0810

START POSITION (GPS)
LAT: 40 53 24
LONG: 125 56 92

BOTTOM POSITION (GPS)
LAT: 40 53 23
LONG: 125 56 94

END POSITION (GPS)
LAT: 43 53 21
LONG: 125 56 96

ROSETTE LOG

MISSION ID: 2004-07 STATION: LD02 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 07/05/04

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	240	1451	5.071	B-10	✓	37												
2	241	1452	8.026	20	✓													
3	242	1453	7.829	10	✓													
4	243	1454	7.595	5	✓													
5	244	1455	7.558	0	✓													
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 46

Cast # down: 75

Cast # up:

Time	LOC	UTC
Begin:		0938
Bottom:		0939
End:		0943

START POSITION (GPS)

LAT: 48 58 36

LONG: 125 47 09

BOTTOM POSITION (GPS)

LAT: 48 58 36

LONG: 125 47 10

END POSITION (GPS)

LAT: 48 58 34

LONG: 125 47 13

ROSETTE LOG

MISSION ID: 2004-07 STATION: Lc01 CAST NUMBER: 78 UTC DATE (dd/mm/yyyy): 07/05/04

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	245	1228	4.038	8-10	✓ 89		✓											
2	246	1231	4.079	75	✓													
3	247	1233	4.601	50	✓													
4	248	1235	4.858	30	✓													
5	249	1237	6.453	20	✓													
6	250	1238		10	✓													Program Crashed, Sample lost.
7	251	1241	7.073	5	✓	✓												
8	252	1247	7.107	0	✓													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: TULLY

ENTERED BY: H.M.

CHECKED BY:

Bottom Depth: 94

Cast # down: 78

Cast # up:

Time	LOC	UTC
Begin:		1155
Bottom:		1157
End:		1204

START POSITION (GPS)

LAT: 48 50 45

LONG: 125 27 81

BOTTOM POSITION (GPS)

LAT: 48 50 46

LONG: 125 27 85

END POSITION (GPS)

LAT: 48 50 47

LONG: 125 27 95