

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2007-62

Station: Kn 2

Event #: 1

CTD File: 2007-62-0001.hex

UTC Date (dd mmm yyyy): 13 Sep 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl										
1	1	1413	2.968	Bot-5	✓ 171		✓															
2	2	1414	2.978	150	✓ 150	✓																
3	3	1418	2.996	125	✓ 125																	
4	4	1421	3.001	100	✓ 100																	
5	5	1424	3.174	75	✓ 75																	
6	6	1427	3.320	50	✓ 50																	
7	7	1426	3.473	30	✓ 30																	
8	8	1428	3.706	20	✓ 20																	
9	9	1429	4.242	10	✓ 10																	
10	10	1430	4.809	5	✓ 5	✓																
11	11	3090	8.469	sfc	✓ 2		✓															
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: DA
Checked By:

Start Scan: 178
Bottom Depth: 183 m

Trans Cleaned: ☒ Y / N

Time	Local	UTC
Start		0225
Bottom		0230
End		0244

Start Position
Lat: 50 ° 39.25
Lon: 126 ° 11.41

Bottom Position
Lat: 50 ° 39.25
Lon: 126 ° 11.57

End Position
Lat: 50 ° 39.29
Lon: 126 ° 12.02

Comments: _____

3 September 2007

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

15 pages
to Andrew

ROSETTE LOG

MISSION ID: 2007-62 STATION: TRC 0.5 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 13/09/2007

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	12	1432	3326	Bot-5														
2	13	1433	2904	125														
3	14	1434	2.969	100														
4	15	1440	3.178	75														
5	16	1443	3.331	50														
6	17	1445	3.537	30														
7	18	1446	3.882	20														
8	19	1447	5.247	10														
9	20	1448	7.251	5														
10	21	1451	7.878	sfc														
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 151

Cast # down: 2

Cast # up: 2

Time	LOC	UTC
Begin:		0322
Bottom:		0326
End:		0338

START POSITION (GPS)
LAT: 50 40 74
LONG: 126 14 62

BOTTOM POSITION (GPS)
LAT: 50 40 75
LONG: 126 14 64

END POSITION (GPS)
LAT: 50 40 78
LONG: 126 14 67

Cruise ID: 2007-62Station: TRC 1Event #: 3CTD File: 2007-26-003.HcrUTC Date (dd mmm yyyy): 13 Sep 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl										
1	22	1452	2.771	Bot-5	☒ 270		☒															
2	23	1454	2.761	250	☒ 250	☒																
3	24	1453	2.739	200	☒ 200																	
4	25	1297	2.744	175	☒ 175																	
5	26	1300	2.788	150	☒ 150																	
6	27	1301	2.810	125	☒ 125																	
7	28	1302	2.944	100	☒ 100																	
8	29	1305	3.310	75	☒ 75																	
9	30	1306	3.477	50	☒ 50																	
10	31	1307	3.571	30	☒ 30																	
11	32	1309	4.072	20	☒ 20																	
12	33	1313	4.639	10	☒ 10	☒																
13	34	1314	7.285	5	☒ 5		☒															
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By:
Checked By:

Start Scan:
Bottom Depth: 260 m

Trans Cleaned: ☒ Y ☐ N

Time	Local	UTC
Start		0422
Bottom		0430
End		0448

Start Position
Lat: 50 ° 43 64
Lon: 126 ° 10 81

Bottom Position
Lat: 50 ° 43 64
Lon: 126 ° 10 79

End Position
Lat: 50 ° 43 61
Lon: 126 ° 10 83

Comments: Blue & Whit

Cruise ID: 2007-62 Station: TrC 1.5 Event #: 4 CTD File: 2007-62-0004.hen UTC Date (dd mmm yyyy): 13 Sep 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl										
1	35	1317	2.801	301.5	- 200	✓	✓															
2	36	1315	2.841	200	✓ 200																	
3	37	1318	2.812	175	✓ 175																	
4	38	1319	2.772	150	✓ 150																	
5	39	1320	2.861	125	✓ 125																	
6	40	1321	3.120	100	✓ 100																	
7	41	1322	3.408	75	✓ 75																	
8	42			50	✓ 50																	
9	43	1324	3.455	30	✓ 30																	
10	44	1325	3.577	20	✓ 20																	
11	45	1326	3.719	10	✓ 10	✓																
12	46	1327	5.175	5	✓ 5		✓															
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: 0
Checked By:

Start Scan:
Bottom Depth: 210 m

Trans Cleaned: ☒ Y ☐ N

Time	Local	UTC
Start		0525
Bottom		0530
End		0545

Start Position
Lat: 50 ° 45 65
Lon: 126 ° 09 12

Bottom Position
Lat: 50 ° 45 56
Lon: 126 ° 09 08

End Position
Lat: 50 ° 45 66
Lon: 126 ° 09 04

Comments: * Bottle/flask broke while shaking. white

ROSETTE LOG

MISSION ID: 2007-62 STATION: TrC.2.0 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 13-Sep-2007

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	47	1328	2.815	Bot-5	✓ 205	✓	✓									
2	48	1329	2.817	175	- 175	✓										
3	49	1377	2.834	150	- 150											
4	50	1380	2.819	125	- 125											
5	51	1381	2.945	100	- 100											
6	52	1382	3.362	75	- 75											
7	53	1384	3.673	50	- 50											
8	54	1386	3.985	30	- 30											
9	55	1389	4.094	20	- 20											
10	56	1391	5.946	10	- 10											
11	57	1392	8.402	5	✓ 5	✓										
12	58	1393	4.475	0												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 206

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		0631
Bottom:		0637
End:		0650

START POSITION (GPS)
LAT: 50 49 25
LONG: 126 12 64

BOTTOM POSITION (GPS)
LAT: 50 49 24
LONG: 126 12 60

END POSITION (GPS)
LAT: 50 49 19
LONG: 126 12 49

Comments: white & orange

ROSETTE LOG

MISSION ID: 2007-62 STATION: TrC 2.5 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 13/09/2007

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	59	1394	2.786	Bot-5	✓ 265		✓									
2	60	1395	2.824	250	✓ 252	✓										
3	61	1397	2.822	200	✓ 200											
4	62	1399	2.847	175	✓ 175											
5	63	1400	2.918	150	✓ 150											
6	64	1401	2.996	125	✓ 125											
7	65	1402	3.112	100	✓ 100											
8	66	1403	3.428	75	✓ 75											
9	67	1404	3.708	50	✓ 50											
10	68	1406	4.026	30	✓ 30											
11	69	1408	4.290	20	✓ 20											
12	70	1409	5.097	10	✓ 10											
13	71	1410	6.056	5	✓ 5	✓										
14	72	1411	6.583	0	✓ 2		✓									
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 270

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:		740
Bottom:		748
End:		805

START POSITION (GPS)
LAT: 50 50.70
LONG: 126 19.60

BOTTOM POSITION (GPS)
LAT: 50 50.40
LONG: 126 19.57

END POSITION (GPS)
LAT: 50 50.29
LONG: 126 19.48

ROSETTE LOG

MISSION ID: 2007-62 STATION: TrC 3.0 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 14/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL						
1	73	1413	2.807	Bot-5	- 222		✓											
2	74	1414	2.823	200	- 200	✓												
3	75	1418	2.817	175	- 175													
4	76	1421	2.871	150	- 150													
5	77	1424	2.900	125	- 125													
6	78	1427	2.979	100	- 100													
7	79	1426	3.252	75	- 75													
8	80	1428	3.672	50	- 50													
9	81	1429	3.949	30	- 30													
10	82	1430	4.407	20	- 20													
11	83	3090	6.071	10	- 10													
12	84	1432	7.197	5	- 5	✓												
13	85	1433	7.753	sfc	- 2		✓											
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: DA
CHECKED BY:

Bottom Depth: 227

Cast # down: 7
Cast # up: 7

Time	LOC	UTC
Begin:		0257
Bottom:		0303
End:		0320

START POSITION (GPS)
LAT: 50 49 94
LONG: 126 25 58

BOTTOM POSITION (GPS)
LAT: 50 48 90
LONG: 126 25 59

END POSITION (GPS)
LAT: 50 48 93
LONG: 126 25 60

ROSETTE LOG

MISSION ID: 2007-62 STATION: PPI CAST NUMBER: 8 UTC DATE (dd/mm/yyyy): 14/09/2007

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	86	1440	2.918	Bot-5	✓ 142		✓											
2	87	1443	2.921	125	✓ 125	✓												
3	88	1445	3.145	100	✓ 100													
4	89	1446	3.566	75	✓ 75													
5	90	1447	3.974	50	✓ 50													
6	91	1448	3.898	30	✓ 30													
7	92	1451	3.915	20	✓ 20													
8	93	1452	4.617	10	✓ 10													
9	94	1454	6.673	5	✓ 5	✓												
10	95	1453	8.042	SFC	✓ 2		✓											
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully

ENTERED BY: 8

CHECKED BY:

Bottom Depth: 145

Cast # down: 8

Cast # up: 8

Time	LOC	UTC
Begin:		0356
Bottom:		0402
End:		0414

START POSITION (GPS)

LAT: 50 48 82

LONG: 126 31 51

BOTTOM POSITION (GPS)

LAT: 50 48 78

LONG: 126 31 44

END POSITION (GPS)

LAT: 50 48 73

LONG: 126 31 32

ROSETTE LOG

MISSION ID: 2007-62 STATION: KINO CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 14/09/2007

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	96	1377	2.176	Bot-5	✓ 390		✓									
2	97	1380	2.622	300	✓ 300	✓										
3	98	1381	2.847	250	✓ 250											
4	99	1382	2.951	200	✓ 200											
5	100	1384	2.898	175	✓ 175											
6	101	1386	3.084	150	✓ 150											
7	102	1389	3.012	125	✓ 125											
8	103	1391	3.074	100	✓ 100											
9	104	1392	3.371	75	✓ 75											
10	105	1393	3.644	50	✓ 50											
11	106	1394	3.779	30	✓ 30											
12	107	1395	3.916	20	✓ 20											
13	108	1397	4.571	10	✓ 10											
14	109	1399	6.585	5	✓ 5	✓										
15	110			sfc	✓ 2		✓									
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 397

Cast # down: 9
Cast # up: 9

Time	LOC	UTC
Begin:		0459
Bottom:		0508
End:		0532

START POSITION (GPS)
LAT: 50 51 74
LONG: 126 37 29

BOTTOM POSITION (GPS)
LAT: 50 51 73
LONG: 126 37 28

END POSITION (GPS)
LAT: 50 51 63
LONG: 126 37 21

Comments: DA: fix depths in file please Doug.

ROSETTE LOG

MISSION ID: 2007-62 STATION: SC CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 14/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL				
1	111	1400	2.895	Bot-5	✓ 200		✓									
2	112	1401	3.033	200	✓ 200											
3	113	1402	2.918	175	✓											cap loose on oxy flask upon analysis
4	114	1403	2.973	150	✓											
5	115	1404	3.021	125	✓											
6	116	1406	3.085	100	✓											
7	117	1408	3.302	75	✓											
8	118	1409	3.608	50	✓											
9	119	1410	3.846	30	✓											
10	120	1411	4.036	20	✓											
11	121	1297	4.288	10	✓	✓										
12	122	1300	5.179	5	✓	✓										
13	123	1301	6.777	stc												
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 200

Cast # down: 10
Cast # up: 10

Time	LOC	UTC
Begin:		0620
Bottom:		0627
End:		0639

START POSITION (GPS)
LAT: 50 53 42
LONG: 126 45 67

BOTTOM POSITION (GPS)
LAT: 50 53 46
LONG: 126 45 72

END POSITION (GPS)
LAT: 50 53 53
LONG: 126 45 80

ROSETTE LOG

MISSION ID: 2007-62 STATION: QCS2 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 14/09/2007

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	124	1302	2.551	Bot-5	217													
2	125	1306	2.556	175														
3	126	1307	2.596	150														
4	127	1309	2.626	125														
5	128	1305	2.685	100														
6	129	1313	3.021	75														
7	130	1314	3.503	50														
8	131	1317	4.304	30														
9	132	1315	4.848	20														
10	133	1318	4.589	10														
11	134	1319	4.531	5														
12	135	1320	4.627	Sfc														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 223

Cast # down: 11
Cast # up: 11

Time	LOC	UTC
Begin:		0821
Bottom:		0827
End:		0842

START POSITION (GPS)
LAT: 50 46 51
LONG: 127 02 28

BOTTOM POSITION (GPS)
LAT: 50 46 56
LONG: 127 02 32

END POSITION (GPS)
LAT: 50 46 63
LONG: 127 02 39

ROSETTE LOG

MISSION ID: 2007-62 STATION: LGO8 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 15/09/2007

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	136	1377	1.554	Bot-10	✓ 2060													
3 2	137	1380	0.662	1500	✓													*
4 3	138	1381	0.428	1250	✓													
5 4	139	1382	0.257	1000	✓													
6 5	140	1384	0.239	750	✓													
7 6	141	1386	0.388	600	✓													
8 7	142	1389	0.389	500	✓													
9 8	143	1391	0.883	400	✓													
10 9	144	1392	1.370	300	✓													
11 10	145	1393	1.796	250	✓													
12 11	146	1394	3.065	200	✓													
13 12	147	1395	3.303	175	✓													
14 13	148	1397	3.655	150	✓													
15 14	149	1399	4.744	125	✓													
16 15	150	1400	5.206	100	✓													
17 16	151	1401	5.853	75	✓													
18 17	152	1402	6.531	50	✓													
19 18	153	1403	5.984	30	✓													
20 19	154	1404	5.744	20	✓													
21 20	155	1406	5.925	10														
22 21	156	1408	6.271	5														
23 22	157	1409	6.337	sfc														
23																		
24																		

Comments: * Bottle 2 tripped on the fly @ approx 1750m. Mic fell on the keyboard. Will not sample this bottle 1500 is now bottle 3, 1250 → 4 and so on.

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 2038

Cast # down: 12
Cast # up: 12

Time	LOC	UTC
Begin:		0244
Bottom:		0318
End:		0403

START POSITION (GPS)
LAT: 48 55 22
LONG: 127 13 20

BOTTOM POSITION (GPS)
LAT: 48 55 30
LONG: 127 13 26

END POSITION (GPS)
LAT: 48 55 14
LONG: 127 13 05

ROSETTE LOG

MISSION ID: 2007-62 STATION: LG05 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 15/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	158	1297	1.170	Bot -10	265													
2	159	1301	1.482	200														
3	160	1302	1.656	175														
4	161	1306	1.794	150														
5	162	1307	2.258	125														
6	163	1309	3.831	100														
7	164	1305	4.971	75														
8	165	1313	5.920	50														
9	166	1314	5.498	30														
10	167	1317	5.933	20														
11	168	1315	5.939	10														
12	169	1318	6.099	5														
13	170			sfc														
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Doug - fix file - last value should be in 15

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 271

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		0616
Bottom:		0623
End:		0641

START POSITION (GPS)
LAT: 49 07.38
LONG: 126 55 20

BOTTOM POSITION (GPS)
LAT: 49 07 39
LONG: 126 55 15

END POSITION (GPS)
LAT: 49 07 34
LONG: 126 55 94

ROSETTE LOG

MISSION ID: 2007-62 STATION: LG-03 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 15/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	171	1319	1.744	Bot-5	✓ 120													
2	172	1320	3.595	75	✓													
3	173	1321	4.999	50	✓													
4	174	1322	4.420	30	✓													
5	175	1324	4.338	20	✓													
6	176	1325	5.841	10	✓													
7	177	1326	6.463	5	✓													
8	178	1327	6.558	stc	✓													
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Fix file

SHIP: Tully
ENTERED BY: DA
CHECKED BY:

Bottom Depth: 124

Cast # down: 15
Cast # up: 15

Time	LOC	UTC
Begin:		0823
Bottom:		0826
End:		0834

START POSITION (GPS)
LAT: 49 14 05
LONG: 126 43 65

BOTTOM POSITION (GPS)
LAT: 49 15 05
LONG: 126 43 63

END POSITION (GPS)
LAT: 49 15 05
LONG: 126 43 62

ROSETTE LOG

MISSION ID: 2007-62 STATION: LGO1 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 15/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	CI3	CHL					
1	179	1413	3.010	Bot-5	45												
2	180	1414	3.300	30													
3	181	1418	3.360	20													
4	182	1421	3.943	10													
5	183	1424	5.751	5													
6	184	1427	7.062	sfc													
7																	
8																	
9																	
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23																	
24																	

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 17

Cast # up: 17

Time	LOC	UTC
Begin:		0957
Bottom:		0959
End:		1004

START POSITION (GPS)

LAT: 49 20.48

LONG: 126 35.09

BOTTOM POSITION (GPS)

LAT: 49 20.47

LONG: 126 35.12

END POSITION (GPS)

LAT: 49 20.47

LONG: 126 35.18

ROSETTE LOG

MISSION ID: STATION: EFF13 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 16/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY				ALK		CHL	NO ₃	DN		
1	185	1413	2.038	8.5-10	✓ 95		✓	✓✓									
2	186	1414	1.921	75	✓												
3	187	1418	2.894	50	✓												
4	188	1421	3.574	30	✓												
5	189	1424	3.942	20	✓												
6	190	1427	4.174	10	✓												
7	191	1426	6.924	3fc	✓		✓	✓✓					✓	✓			
8																	
9																	
10																	
11																	
12																	
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24																	

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 102

Cast # down: 18
Cast # up: 18

Time	LOC	UTC
Begin:		03:28
Bottom:		03:32
End:		03:41

START POSITION (GPS)
LAT: 48 56.56
LONG: 125 10.73

BOTTOM POSITION (GPS)
LAT: 48 56.51
LONG: 125 10.72

END POSITION (GPS)
LAT: 48 56.53
LONG: 125 10.71

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF05 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 16/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13					
							OXY				ALK		CHL	NO ₃	DN		
1	192	1428	0.044	Bot-10	✓ 195		✓	✓✓						✓	✓		
2	193	1429	0.071	175	✓	✓											
3	194	1430	0.227	150	✓												
4	195	3090	1.021	125	✓												
5	196	1432	1.468	100	✓												
6	197	1433	1.458	75	✓												
7	198	1434	2.077	50	✓												
8	199	1440	2.967	30													
9	200	1443	3.177	20													
10	201	1445	3.578	10													
11	202	1446	5.964	sfc			↓	↓↓					↓	↓			
12																	
13																	
14																	
15																	
16																	
17																	
18																	
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20																	
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22																	
23																	
24																	

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 200

Cast # down: 19
Cast # up: 19

Time	LOC	UTC
Begin:		0454
Bottom:		0500
End:		0512

START POSITION (GPS)
LAT: 49 02 53
LONG: 125 09 16

BOTTOM POSITION (GPS)
LAT: 49 02 54
LONG: 125 09 15

END POSITION (GPS)
LAT: 49 02 55
LONG: 125 09 16

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF03 CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 16/09/2007

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	203	1297	0.000	Bot-5	/													ANOXIC - H2SO4 smell
2	204	1301	0.000	75	/													" - Faint "
3	205	1302	1.507	50	/													
4	206	1306	2.993	30	/													
5	207	1307	3.470	20														
6	208	1309	4.513	10														
7	209	1305	5.814	sf														
8																		
9																		
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24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 20

Cast # up: 20

Time	LOC	UTC
Begin:		0714
Bottom:		0717
End:		0725

START POSITION (GPS)

LAT: 49 04 30

LONG: 125 09 51

BOTTOM POSITION (GPS)

LAT: 49 04 27

LONG: 125 09 46

END POSITION (GPS)

LAT: 49 04 25

LONG: 125 09 42

ROSETTE LOG

MISSION ID: 2007 STATION: EFF04 CAST NUMBER: 21 UTC DATE (dd/mm/yyyy): 16/09/2007

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	210	1313	2.568	Bot-5	✓ 51												
2	211	1314	2.917	30	✓												
3	212	1317	3.239	20	✓												
4	213	1315	3.660	10	✓												
5	214	1318	5.548	sfc													
6																	
7																	
8																	
9																	
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11																	
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Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 55

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0814
Bottom:		0818
End:		0821

START POSITION (GPS)

LAT: 49 03 11

LONG: 125 08 57

BOTTOM POSITION (GPS)

LAT: 49 03 11

LONG: 125 08 57

END POSITION (GPS)

LAT: 49 03 11

LONG: 125 08 57

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFP07A CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 16/09/2007

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	215	1319	1.282	Bot-5	✓ 130			✓ ✓										
2	216	1320	1.473	100	✓			✓ ✓										
3	217	1321	1.496	75	✓			✓ ✓										
4	218	1322	2.436	50	✓			✓ ✓										
5	219	1324	3.123	30	✓			✓ ✓										
6	220	1325	3.378	20	✓			✓ ✓										
7	221	1326	3.766	10	✓			✓ ✓										
8	222	1327	5.528	sfc				✓ ✓										
9																		
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24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 136

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0930
Bottom:		0934
End:		0945

START POSITION (GPS)
LAT: 49 00 91
LONG: 125 09 78

BOTTOM POSITION (GPS)
LAT: 49 00 91
LONG: 125 09 79

END POSITION (GPS)
LAT: 49 00 90
LONG: 125 09 79

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF12 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 17/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	219	1413	2.008	Bot-5	✓ 85		✓											pg check against data
2	220	1414	1.909	75	✓													
3	221	1418	2.883	50	✓													
4	222	1421	3.705	30	✓													
5	223	1424	4.051	20	✓													
6	224	1427	4.394	10	✓													
7	225	1426	6.230	sfc														
8																		
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24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 92

Cast # down: 23

Cast # up: 23

Time	LOC	UTC
Begin:		0659
Bottom:		0702
End:		0710

START POSITION (GPS)

LAT: 48 58 05

LONG: 125 10 52

BOTTOM POSITION (GPS)

LAT: 48 58 04

LONG: 125 10 51

END POSITION (GPS)

LAT: 48 58 00

LONG: 125 10 54

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF06 CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 17/09/2007

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	1428	0.568	30-5	✓			✓										
2	227	1429	1.093	125	✓	✓												
3	228	1430	1.450	100	✓													
4	229	3090	1.546	75	✓													
5	230	1432	2.335	50	✓													
6	231	1433	3.030	30	✓													
7	232	1434	3.228	20	✓													
8	233	1440	3.589	10														
9	234	1443	6.057	sfc														
10																		
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Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 154

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0800
Bottom:		0818
End:		0824

START POSITION (GPS)
LAT: 49 01 79
LONG: 125 09 19

BOTTOM POSITION (GPS)
LAT: 49 01 79
LONG: 125 09 20

END POSITION (GPS)
LAT: 49 01 80
LONG: 125 09 21

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF07 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 17/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	235	1445	1.471	Bot-5	✓ 110			✓										
2	236	1446	1.520	75	✓	✓												
3	237	1447	2.274	50	✓													
4	238	1448	3.019	30	✓													
5	239	1451	3.360	20	✓													
6	240	1452	3.845	10	✓													
7	241	1454	6.307	SFL	✓			✓										
8																		
9																		
10																		
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24																		

Comments:

SHIP: Tully
ENTERED BY:
CHECKED BY:

Bottom Depth: 18

Cast # down: 25
Cast # up: 25

Time	LOC	UTC
Begin:		0906
Bottom:		0910
End:		0919

START POSITION (GPS)
LAT: 49 01 27
LONG: 125 09 38

BOTTOM POSITION (GPS)
LAT: 49 01 27
LONG: 125 09 37

END POSITION (GPS)
LAT: 49 01 28
LONG: 125 09 35

ROSETTE LOG

MISSION ID: 2007-62 STATION: EFF08 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 17/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
						OXY				ALK		CHL						
1	242	1297	1947	Bot-5	✓ 82													
2	243	1300	2.365	50	✓													↓ Fix
3	244	1301	3.156	30	✓													
4	245	1302	3.534	20	✓													
5	246	1306	3.855	10	✓													
6	247	1307	5.747	sfc														
7																		
8																		
9																		
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24																		

Comments:

SHIP: Tully

ENTERED BY:

CHECKED BY:

Bottom Depth: 87

Cast # down: 26

Cast # up: 26

Time	LOC	UTC
Begin:		1000
Bottom:		1004
End:		1011

START POSITION (GPS)

LAT: 49 00 70

LONG: 125 10 18

BOTTOM POSITION (GPS)

LAT: 49 00 70

LONG: 125 10 18

END POSITION (GPS)

LAT: 49 00 68

LONG: 125 10 17