

ROSETTE LOG

MISSION ID: 2007-16 STATION: SIO3 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 02/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												updated oxy values w/ correct lt+standards
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	1	1297	4.287	Bot-10	✓ 215	✓	✓	✓	✓									3.987 ml
2	2	1300	0.560	200		✓	✓	✓	✓									0.562 ml
3	3	1301	0.449	175		✓	✓	✓	✓									0.454 ml
4	4	1302	0.129	150		✓	✓	✓	✓									0.140 ml
5	5	1305	0.205	125		✓	✓	✓	✓									0.216 ml
6	6	1306	0.646	100		✓	✓	✓	✓				✓					0.647 ml
7	7	1307	0.953	75		✓	✓	✓	✓				✓					0.940 ml
8	8	1309	2.735	50		✓	✓	✓	✓				✓					2.745 ml
9	9	1313	3.143	30		✓	✓	✓	✓				✓					3.084 ml
10	10	1314	3.427	20		✓	✓	✓	✓				✓					3.362 ml
11	11	1315	3.782	10		✓	✓	✓	✓				✓					3.709 ml
12	12			10		✓	✓	✓	✓				✓					AKASH
13	13	1318	4.260	5		✓	✓	✓	✓				✓					4.176 ml
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: NUTRIENTS: RED RACK
OXYGEN: WHITE BOX

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 223

Cast # down: 001
Cast # up:

Time	LOC	UTC
Begin:		1923
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 35.44
LONG: 123° 29.95

BOTTOM POSITION (GPS)
LAT: 48° 35.43
LONG: 123° 29.98

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LBo1 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 03/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	NH4	TCO	ALK	CI3	CHL					
1	14	1297	3.372	bot	✓ 30			X	X	X			X					3.139 ml
2	15	1300	3.305	20	✓	X		X	X	XX			X					3.245 ml
3	16	1301	3.632	10	✓			X	X	XX			X					3.563 ml
4	17	1302	3.942	5		X		X	X	XX			X					3.821 ml
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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13																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

proper oxygen values
w/ updated standard
info.

SHIP: Tullie-Ho
ENTERED BY: SJ.
CHECKED BY:

Bottom Depth: 34

Cast # down: 2
Cast # up:

Time	LOC	UTC
Begin:		0737
Bottom:		0740
End:		0745

START POSITION (GPS)
LAT: 48° 40.44
LONG: 124° 59.67

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LB02 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 03/09/2007

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	18	1305	2.933	bot	✓ 50			x	x			x				
2	19	1306	4.043	30	✓	x		x	x			x				
3	20	1307	4.254	20	✓			x	xx	xx		x				(check in oxy camp)
4	21	1309	4.451	10	✓			x	x	xx		x				"wrong depth"
5	22	1313	4.767	5		x		x	x	xx		x				
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 4154

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:		0814
Bottom:		
End:		

START POSITION (GPS)
LAT: 48°39'08"
LONG: 125°02'52"

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LB04 CAST NUMBER: 5 UTC DATE (dd/mm/yyyy): 03/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3							
1	23	1314	1.675	bot	✓ 105			X	X										
2	24	1315	2.259	75	✓	X		X	X										
3	25	1317	2.479	50	✓			X	X					X					
4	26	1318	3.298	30	✓			X	XX					X					
5	27	1319	3.621	20	✓			X	X	XX				X					
6	28	1320	3.780	10	✓			X	X	XX				X					
7	29	1321	4.329	5	✓	X		X	X	XX				X					
8																			
9																			
10																			
11																			
12																			
13																			
14																			
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21																			
22																			
23																			
24																			

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 112

Cast # down: 5
Cast # up:

Time	LOC	UTC
Begin:		0926
Bottom:		0930
End:		

START POSITION (GPS)
LAT: 48°35.74
LONG: 125°08.82

BOTTOM POSITION (GPS)
LAT: 48°35.72
LONG: 125°08.91

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LB06 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 03/09/2007

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	32	1324	1.526	bot	/ 110		x	x									
2	33	1325	1.580	100	/ 100	x											
3	34	1326	1.638	75	/ 74												
4	35	1327	2.147	50	/ 50							x					
5	36	1328	3.431	30	/ 30							x					
6	37	1329	3.920	20	/ 20			x	xx			x					
7	38	1377	4.184	10	/ 10				xx			x					
8	39	1380	4.537	5	/ 5	x			xx			x					
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

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

Bottom Depth: 118

Cast # down: 9
Cast # up:

Time	LOC	UTC
Begin:		11221
Bottom:		1226
End:		1236

START POSITION (GPS)
LAT: 48° 32.215
LONG: 125° 15.439

BOTTOM POSITION (GPS)
LAT: 48° 32.228
LONG: 125° 15.493

END POSITION (GPS)
LAT: 48° 32.189
LONG: 125° 15.469

ROSETTE LOG

MISSION ID: 2007-16 STATION: LB08 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 03/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	45	1381	1.039	bot	✓ 130			x	x									
2	46	1382	0.993	125	✓	x												
3	47	1384	1.471	100	✓													
4	48	1386	1.712	75	✓													
5	49	1389	2.432	50	✓								x					
6	50	1391	3.152	30	✓													(need to reverse oxy flask #'s in computer)
7	51	1392	3.652	20	✓													
8	52	1393	4.026	10	✓				x									
9	53	1394	4.188	5	✓	x												
10	54	1395		125	✓													
11	55	1397		125	✓													{ Jen's H2O samples
12	56			5	✓													
13	57			5	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Fired bottles out of order - Jen needed some samples (late notice)

SHIP: Tully
ENTERED BY: SS
CHECKED BY:

Bottom Depth: 138

Cast # down: 22
Cast # up:

Time	LOC	UTC
Begin:		2226
Bottom:		
End:		

START POSITION (GPS)
LAT: 48° 25.15
LONG: 125° 28.71

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-16 STATION: L309 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 3/9/7

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	58	1395	1.116	6-8	146													
2	59	1397	1.180	125	123	X												
3	60	1399	1.553	100	100													
4	61	1400	2.223	75	75													wrong sample # in oxy comp)
5	62	1401	2.683	50	49							X						
6	63	1402	3.576	30	30							X						
7	64	1403	4.586	20	20			2	2			X						
8	65	1404	5.644	10	10				2			X						
9	66	1406	6.007	5	5	X		1	2			X						
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: 7-44
ENTERED BY: SM
CHECKED BY:

Bottom Depth: 152

Cast # down: 25
Cast # up:

Time	LOC	UTC
Begin:	2352	
Bottom:	2356	
End:	0006	

START POSITION (GPS)
LAT: 48 22.122
LONG: 125 34.834

BOTTOM POSITION (GPS)
LAT: 48 22.084
LONG: 125 34.836

END POSITION (GPS)
LAT: 48 21.907
LONG: 125 35.003

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16 Station: LB11 Event #: 27 CTD File: UTC Date (dd mmm yyyy): 4 Sep 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed √ Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl									
1	67	1297	1.497	55	✓ 197																	
2	68	1300	1.469	175	175	X																
3	69	1301	1.914	150	150																	
4	70	1302	2.750	125	125																	
5	71	1305	3.413	100	100																	
6	72	1306	3.400	75	75			2														
7	73	1307	5.703	50	50			1					X									
8	74	1309	5.031	30	30								X									
9	75	1313	5.126	20	21				2				X									
10	76	1314	5.526	10	10				2				X									
11	77	1315	5.811	5	6	X			2				X									
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: VES Tully
Entered By: SK
Checked By:

Start Scan:
Bottom Depth: 206 m

Trans Cleaned: (Y) N

Time	Local	UTC
Start		0155
Bottom		0202
End		0215

Start Position
Lat: 48 ° 15.190
Lon: 125 ° 47.713

Bottom Position
Lat: 48 ° 15.224
Lon: 125 ° 47.615

End Position
Lat: 48 ° 15.190
Lon: 125 ° 47.590

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LB12

Event #: 29

CTD File: _____

UTC Date (dd mmm yyyy): 4 9 07

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓	Pressure	Sal	Oxy	Nut	AMMO	TCO	Alk	C13	Chl								
1	78	1333	0.696	8-10	✓	499.3																
2	79	1338	0.693	500	✓	499.3	✓															
3	80	1340	0.916	400	✓	390																
4	81	1341	1.193	300	✓	303																
5	82	1344	1.279	250	✓	251																
6	83	1347	1.644	200	✓	200																
7	84	1349	2.114	175	✓	178			✓													
8	85	1351	2.414	150	✓	151																
9	86	1354	3.974	100	✓	98																
10	87	1356	5.232	75	✓	73																
11	88	1358	6.148	50	✓	51																
12	89	1360	3.702	30	✓	30																
13	90	1361	4.105	20	✓	19.4				✓												
14	91	1362	4.871	10	✓	11				✓												
15	92	1363	5.717	5	✓	2	✓			✓												
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: _____
Entered By: _____
Checked By: _____

Start Scan: _____
Bottom Depth: 500 m

Trans Cleaned: Y / N

Time	Local	UTC
Start		
Bottom		0327
End		0353

Start Position
Lat: °
Lon: °

Bottom Position
Lat: 48 12 ° 898
Lon: 125 52 ° 000

End Position
Lat: °
Lon: °

Comments: Nut = Blue Rack, dup @ 175m #7 SN 84
OXYgen = RED CASE - oxy sample #84/NISK 7 sample dumped + re sampled - tube in flask
only tripped one bottle deep, had to drop rosette down from 400m to 500m for NISK #2 (500m).... whoopsy

3 September 2007

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

Sample 89 - odd oxy value - sample ran OK, nothing unusual - must have been picking error? Don't know, S.T.
But now after doing samples 90+91, it is samples 87+88 that look odd.

Water Properties Group

Rosette Log

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

Cruise ID: 2007-14Station: LB14Event #: 32

CTD File: _____

UTC Date (dd mmm yyyy): 04 Sept 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	Ammonia	TCO	Alk	C13	Chl									
1	94	1413	0.403	B-	✓ 1160																	
2	95	1414	0.261	1000	✓																	
3	96	1418	0.273	750	✓																	
4	97	1421	0.474	600	✓																	
5	98	1424	0.726	500	✓																	
6	99	1427	1.058	400	✓																	
7	100	1426	1.203	300	✓																	
8	101	1428	1.223	250	✓																	
9	102	1429	1.357	200	✓																	
10	103	1430	1.780	175	✓																	
11	104	3090	1.635	150	✓																	
12	105	1432	2.678	125	✓																	
13	106	1433	4.253	100	✓																	
14	107	1434	5.841	75	✓			✓														
15	108	1440	6.209	50	✓								✓									
16	109	1443	6.445	30	✓								✓									
17	110	1445	6.381	20	✓								✓									
18	111	1446	5.804	10	✓								✓									
19	112	1447	5.857	5	✓	✓							✓									
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SP
Checked By: _____

Start Scan: _____
Bottom Depth: 1139 m

Trans Cleaned: (1168) Y/N

Time	Local	UTC
Start		<u>05:31</u>
Bottom		<u>06:52</u>
End		<u>07:25</u>

Start Position
Lat: 48° 08.47
Lon: 125° 59.99

Bottom Position
Lat: 48° 08.61
Lon: 125° 59.742

End Position
Lat: 48° 08.45
Lon: 125° 59.52

Comments: BOTTOM 72 ENTERED AS 1139 SHOULD BE CHANGED TO 1168 AS PER LOG

Cruise ID: 2007-16 Station: LB16 Event #: 39 CTD File: UTC Date (dd mmm yyyy): 4 9 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl										
1	112			605	✓ 1790	x																
2	113			1500	✓ 1500																	
3	114			1250	✓ 1250																	
4	115			1000	✓ 1002																	
5	116			750	✓ 750																	
6	117			600	✓ 600																	
7	118			500	✓																	
8	119			400	✓ 401																	
9	120			300	✓ 301																	
10	121			250	✓																	
11	122			200	✓ 201																	
12	123			175	✓ 174																	
13	124			150	✓ 152																	
14	125			125	✓																	
15	126			100	✓ 102																	
16	127			75	✓ 77																	
17	128			50	✓																	
18	129			30	✓																	
19	130			20	✓ 21																	
20	131			10	✓ 11																	
21	132			5	✓																	
22																						
23																						
24																						

Ship:
Entered By:
Checked By:

Start Scan:
Bottom Depth: 1792 m

Trans Cleaned: Y / N

Time	Local	UTC
Start		1007
Bottom		1033
End		1117

Start Position
Lat: 48 ° 0.47
Lon: 126 ° 17.04

Bottom Position
Lat: 48 ° 0.55
Lon: 126 ° 16.96

End Position
Lat: 48 ° 0.656
Lon: 126 ° 16.866

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16 Station: LC12/A4 Event #: 35 CTD File: UTC Date (dd mmm yyyy): 4 9 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	TCO	Alk	C13	Chl										
1	133			2005	2006																	
2	134			1500	1500																	
3	135			1250	1250																	
4	136			1000	1000																	
5	137			750	750																	
6	138			600	600																	
7	139			500	499																	
8	140			400	399																	
9	141			300	300																	
10	142			250	250																	
11	143			200	199																	
12	144			175	175																	
13	145			150	149																	
14	146			125	124																	
15	147			100	100																	
16	148			75	75																	
17	149			50	50.3																	
18	150			30	29.6																	
19	151			20	19.5																	
20	152			10	10.4																	
21	153			5	4.9			X				X										
22																						
23																						
24																						

Ship: Tully
Entered By: sh
Checked By:

Start Scan:
Bottom Depth: m

Trans Cleaned: Y / N

Time	Local	UTC
Start		1430
Bottom		1457
End		1545

Start Position
Lat: 48 ° 15.016
Lon: 126 ° 39.983

Bottom Position
Lat: 48 ° 15.145
Lon: 126 ° 40.032

End Position
Lat: 48 15 ° 247
Lon: 126 40 ° 057

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LC11

Event #: 37

CTD File:

UTC Date (dd mmm yyyy): 4 9 07

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation			Samples Taken																Comments
				Sample Depth	Confirmed	Pressure	Sal	Oxy	Nut	Ammonia	TCO	Alk	C13	Chl									
1	154	1297	0.614	B-	✓	1410			✓														dup. Nut.
2	155	1300	0.447	1250	✓	1251																	
3	156	1301	0.455	1000	✓	1001																	
4	157	1302	0.272	750	✓	750																	huge bubble O2
5	158	1305	0.410	600	✓	600																	
6	159	1306	0.670	500	✓	500																	
7	160	1307	0.911	400	✓	400																	
8	161	1309	1.422	300	✓	299																	
9	162	1313	1.438	250	✓	250.3																	
10	163	1314	1.675	200	✓	199																	
11	164	1315	1.580	175	✓	175																	
12	165	1317	2.462	150	✓	148																	
13	166	1318	3.387	125	✓	125																	
14	167	1319	4.781	100	✓	99.6																	
15	168	1320	6.109	75	✓	76.4																	
16	169	1321	6.214	50	✓	51								✓									
17	170	1322	6.416	30	✓	28.4								✓									
18	171	1323	6.528	20	✓	20.6				✓				✓									
19	172	1324	5.662	10	✓					✓				✓									
20	173			5	✓					✓				✓									
21																							
22																							
23																							
24																							

Ship:	Tully
Entered By:	DT
Checked By:	STS

Start Scan:	
Bottom Depth:	m

Trans Cleaned:	Y / N
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Time	Local	UTC
Start		
Bottom		
End		

Start Position		
Lat:	°	
Lon:	°	

Bottom Position		
Lat:	°	
Lon:	°	

End Position		
Lat:	°	
Lon:	°	

Comments: No 5m bottle - lanyard got caught up + it didn't trip properly.

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: LC09Event #: 40

CTD File: _____

UTC Date (dd mmm yyyy): 04 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	175	1297	0.591	600	☒ 590		X	X														
2	176	1300	0.585	600	☒ 590	X																
3	177	1301	0.775	500	☒ 500																	
4	178	1302	1.021	400	☒ 400																	
5	179	1305	1.377	300	☒ 300																	
6	180	1306	1.399	250	☒ 250																	bubble in O ₂
7	181	1307	1.569	200	☒ 200																	
8	182	1309	1.935	175	☒ 175			XX														
9	183	1313	2.392	150	☒ 150																	*check O ₂ comp. wrong flask.
10	184	1314	2.935	125	☒ 125																	
11	185	1315	4.078	100	☒ 100																	
12	186	1317	4.783	75	☒ 75																	
13	187	1318	6.160	50	☒ 50							X										
14	188	1319	6.130	30	☒ 30							X										
15	189	1320	5.569	20	☒ 20							X										
16	190	1321	5.728	10	☒ 10							X										
17	191	1322	5.738	5	☒ 5	X		XX				X										
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: ST
Checked By: ST

Start Scan:
Bottom Depth: 600 m

Trans Cleaned: ☒ Y/N

Time	Local	UTC
Start		2259
Bottom		2313
End		2337

Start Position
Lat: 48 ° 25.955
Lon: 126 ° 13.409

Bottom Position
Lat: 48 ° 25.997
Lon: 126 ° 13.541

End Position
Lat: 48 ° 25.906
Lon: 126 ° 13.729

Comments: _____

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: LC08/A1Event #: 44

CTD File: _____

UTC Date (dd mmm yyyy):

4

DATE SHOULD BE 5

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl									
1	193	1333	1.357	5-5	✓ 185																	
2	194	1338	1.440	175	✓ 169	X																
3	195	1340	2.002	150	✓ 151																	
4	196	1341	2.158	125	✓ 138																	
5	197	1344	2.765	100	✓ 103																	
6	198	1347	5.735	75	✓ 73																	
7	199	1349	6.371	50	✓ 49								X									
8	200	1350	6.494	30	✓ 32								X									
9	201	1354	6.393	20	✓ 18.3			2	2				X									
10	202	1356	5.822	10	✓ 11.9			1	2				X									
11	203	1358	5.878	5	✓ 7	X		1	2				X								SHALL MEDUSAE	
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: T-14
Entered By: Sn
Checked By: _____Start Scan: _____
Bottom Depth: 198 mTrans Cleaned: ☒ Y ☐ N

Time	Local	UTC
Start	<u>2023</u>	<u>0323</u>
Bottom		<u>0326</u>
End		<u>0443</u>

Start Position
Lat: 48 29 ° 406
Lon: 126 07 ° 096Bottom Position
Lat: 48 29 ° 382
Lon: 126 07 ° 183End Position
Lat: 48 29 ° 448
Lon: 126 07 ° 380

Comments: _____

Time
ENTERED
WAS
2259?

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: LC06Event #: 47

CTD File: _____

UTC Date (dd mmm yyyy): 05 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation			Samples Taken																Comments
				Sample Depth	Confirmed	Pressure	Sal	Oxy	Nut	AMM	TCO	Alk	C13	Chl									
1	205	1361	1.783	B-	✓	87																	
2	206	1362	1.833	100	✓	80	✓																
3	207	1363	2.259	75	✓	75.3																	
4	208	1364	3.402	50	✓	52			✓					✓									
5	209	1366	3.532	30	✓	30								✓									
6	210	1367	4.489	20	✓	20				✓				✓									
7	211	1368	6.043	10	✓	8.1				✓				✓									
8	212	1371	6.135	5	✓	5.4	✓			✓				✓									
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Ship: JP TULLY
Entered By: MG
Checked By: _____

Start Scan: _____
Bottom Depth: 93 m

Trans Cleaned: ? Y / N

Time	Local	UTC
Start		0622
Bottom		0625
End		0635

Start Position
Lat: 48 ° 36.546
Lon: 125 ° 54.602

Bottom Position
Lat: 48 ° 36.598
Lon: 125 ° 53.94

End Position
Lat: 48 ° 56.564
Lon: 125 ° 53.900

Comments: _____

ROSETTE LOG

MISSION ID: 2007-16 STATION: LC05 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 05/09/2007

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	213			20	✓													samples for Akash + Jennifer.
2	214			18 16	✓													
3	215			16 20	✓													
4	216			14 18	✓													
5	217			14 13	✓ 13													
6	218			12	✓													
7	219			10	✓													
8	220			8	✓													
9	221			6	✓													
10	222			4	✓													
11	223			50	✓													
12	224			50	✓													
13	225			5	✓													
14	226			5	✓													
15	227			2	✓													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 65

Cast # down: 53
Cast # up: 54

Time	LOC	UTC
Begin:		0849
Bottom:		0852
End:		0906

START POSITION (GPS)
LAT: 48° 40' 03
LONG: 125° 47' 64

BOTTOM POSITION (GPS)
LAT: 48° 40' 05
LONG: 125° 47' 66

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LC04 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 05/09/2007

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	228	1297	2.299	bot	✓ 158		x	x										
2	229	1300	2.244	150	✓ 152	x		x										
3	230	1301	2.363	125	✓ 126													
4	231	1302	2.827	100	✓ 102													
5	232	1305	3.056	75	✓ 74													
6	233	1306	3.400	50	✓					x								
7	234	1307	3.494	30	✓ 29					x								
8	235	1309	3.801	20	✓				xx	x								
9	236	1313	5.732	10	✓			✓	xx	x								
10	237	1314	6.208	5	✓	x	✓	x	xx	x								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: SS
CHECKED BY:

Bottom Depth: 165

Cast # down: 55
Cast # up:

TRANS CLEANED ✓
Time LOC UTC
Begin: 1007
Bottom: 1011
End: 1023

START POSITION (GPS)
LAT: 48°43.36
LONG: 125°40.73

BOTTOM POSITION (GPS)
LAT: 48°43.38
LONG: 125°40.76

END POSITION (GPS)
LAT: 48 43 46
LONG: 125 40.86

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LC02

Event #: 57

CTD File: _____

UTC Date (dd mmm yyyy): 5 9 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed √ Pressure	Sal	Oxy	Nut	DATA	TCO	Alk	C13	Chl									
1	239	1377	2.318	5-5	102																	
2	240	1380	3.018	75	75	X																
3	241	1381	2.958	50	50								X									
4	242	1382	3.438	30	30			2					X									
5	243	1384	3.863	20	21			1	2				X									
6	244	1386	5.826	10	10				2				X									
7	245	1389	6.051	5	5	X			2				X									
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: T-16
Entered By: SR
Checked By: _____

Start Scan: _____
Bottom Depth: 106 m

Trans Cleaned: ☒ Y ☐ N

Time	Local	UTC
Start		<u>1209</u>
Bottom		<u>1214</u>
End		<u>1222</u>

Start Position
Lat: 48 ° 48.692
Lon: 125 ° 30.852

Bottom Position
Lat: 48 ° 48.692
Lon: 125 ° 30.860

End Position
Lat: 48 ° 48.698
Lon: 125 ° 30.870

Comments: SAMPLES 239-244 UNDER OXYDATA/2007-16/2007-16-0055.02 ✓ PONE
245 " " " 2007-16-0057.02 ✓

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LCØ1

Event #: 58

CTD File: _____

UTC Date (dd mmm yyyy): 5 9 7

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed √ Pressure	Sal	Oxy	Nut	Atk	TCO	Alk	C13	Chl									
1	246	1391	2.652	5-5	90																	
2	247	1392	2.500	75	78	X																
3	248	1394	2.777	50	50								X									
4	249	1393	3.258	30	30			2					X									
5	250	1395	3.600	20	20			1	2				X									
6	251	1397	4.917	10	10			2					X									
7	252	1399	6.232	5	5	X		2					X									
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: JS
Checked By: _____

Start Scan: _____
Bottom Depth: 96 m

Trans Cleaned: (Y)N

Time	Local	UTC
Start		1256
Bottom		1300
End		1308

Start Position
Lat: 48 ° 50.531
Lon: 125 ° 27.769

Bottom Position
Lat: 48 ° 50.502
Lon: 125 ° 27.767

End Position
Lat: 48 ° 50.495
Lon: 125 ° 27.780

Comments: SAMPLE 246 - CHANGE STN FROM LCO2 → LCO1 ✓

ROSETTE LOG

MISSION ID: 2007-16 STATION: 1601 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 05/09/2007

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	253	1377	3.319	Bot	✓ 44		✓	×										
2	254	1380	3.273	50	✓ 44	×	✓	×				×						
3	255	1381	3.467	30	✓		✓	✓				×						
4	256	1382	3.736	20	✓		×	×	×			×						
5	257	1384	5.042	10	✓		×	×	×			✓						
6	258	1386	5.415	5	✓	×	✓	×	×			×						
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

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

Bottom Depth: 49

Cast # down: 59
Cast # up:

Time	LOC	UTC
Begin:		1945
Bottom:		1947
End:		1953

START POSITION (GPS)
LAT: 49° 20' 56"
LONG: 126° 35' 00"

BOTTOM POSITION (GPS)
LAT: 49° 20' 59"
LONG: 126° 35' 00"

END POSITION (GPS)
LAT:
LONG:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16 Station: LG02 Event #: 60 CTD File: UTC Date (dd mmm yyyy): 05 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl									
1	259	1389	2.852	bot	✓ 93		X	X														
2	260	1391	2.982	75	✓	X	X	X														
3	261	1392	3.467	50	✓		X	X					X									
4	262	1393	4.521	30	✓		X	X					X									
5	263	1394	5.527	20	✓		X	X	XX				X								little bubble	
6	264	1395	5.735	10	✓		X	X	XX				X									
7	265	1397	5.707	5	✓	X	X	XX	XX				X									
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SS
Checked By:

Start Scan:
Bottom Depth: 99 m

Trans Cleaned: Y/N

Time	Local	UTC
Start		2027
Bottom		2030
End		

Start Position
Lat: 49 ° 18.75
Lon: 126 ° 38.10

Bottom Position
Lat: °
Lon: °

End Position
Lat: °
Lon: °

Comments:

ROSETTE LOG

MISSION ID: 2007-16 STATION: LG-03 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 05/09/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY		NH4		ALK		CHL					
1	266	1399	2.268	bot	✓ 116		X	X										
2	267	1400	2.402	100	✓	X		X	X									
3	268	1401	4.216	75	✓													
4	269	1402	4.497	50	✓								X					
5	270	1404	4.527	30	✓								X					
6	271	1403	5.648	20	✓			X	XX				X					
7	272		uvic	20	✓													
8	273		uvic	18	✓													
9	274		uvic	16	✓													
10	275		uvic	14	✓													
11	276		uvic	12	✓													
12	277	1406	5.813	10	✓		X	X	XX				X					
13	278		uvic	10	✓													
14	279		uvic	8	✓													
15	280		uvic	6	✓													
16	281	1408	5.863	5	✓	X	X	X	XX				X					
17	282		uvic	4	✓													
18	283		uvic	2	✓													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Tully
ENTERED BY: SS
CHECKED BY:

Bottom Depth: 121

Cast # down: 64
Cast # up:

Time	LOC	UTC
Begin:		2151
Bottom:		
End:		

START POSITION (GPS)
LAT: 49°15.03
LONG: 126°43.80

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: L604Event #: 65

CTD File: _____

UTC Date (dd mmm yyyy): 5 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	266	1297	1.921	6-5	141																	
2	267	1300	1.917	12.5	129	X																
3	268	1301	2.874	100	101																	
4	269	1302	4.526	75	75																	
5	270	1305	3.902	50	50								X									
6	271	1306	4.771	30	30			2					X									
7	272	1307	4.826	20	20				2				X									
8	273	1309	5.786	10	10				2				X									
9	274	1313	5.871	5	4	X			2				X									
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SR
Checked By: _____

Start Scan: _____
Bottom Depth: 146 m

Trans Cleaned: ☒ Y / ☐ N

Time	Local	UTC
Start		2323
Bottom		2529
End		2342

Start Position
Lat: 49 ° 11.281
Lon: 126 ° 49.301

Bottom Position
Lat: 49 ° 11.268
Lon: 126 ° 49.286

End Position
Lat: 49 ° 11.275
Lon: 126 ° 49.321

Comments: _____

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: LG06Event #: 68

CTD File: _____

UTC Date (dd mmm yyyy): 6 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed √ Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl							
1	276	1333	0.282	6-5	935															
2	277	1338	0.300	750	750	X														
3	278	1340	0.684	500	505															
4	279	1341	0.912	400	400															
5	280	1344	1.320	300	300			2												
6	281	1347	1.650	250	250															
7	282	1349	1.907	200	200															
8	283	1351	2.303	175	175															
9	284	1354	2.500	150	149															
10	285	1356	2.919	125	127															
11	286	1358	4.166	100	101															
12	287	1360	5.563	75	74															
13	288	1361	6.340	50	50															
14	289	1362	6.581	30	30															
15	290	1363	5.740	20	20				2			X								
16	291	1364	5.839	10	11				2			X								
17	292	1366	5.903	5	5	X			2			X								
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Ship: Tully
Entered By: _____
Checked By: _____

Start Scan: _____
Bottom Depth: 933 m

Trans Cleaned: ☒ Y ☐ N

Time	Local	UTC
Start		0152
Bottom		0209
End		0234

Start Position
Lat: 49 ° 3.496
Lon: 127 ° 1.052

Bottom Position
Lat: 49 ° 3.540
Lon: 127 ° 1.090

End Position
Lat: 49 ° 3.484
Lon: 127 ° 1.146

Comments: _____

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: LG09Event #: 72

CTD File: _____

UTC Date (dd mmm yyyy): 06 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	295	1297	1.596	B-	✓ 2050																	
2	296	1300	0.722	1500	✓ 1498	✓																
3	297	1301	0.442	1250	✓ 1251																	2mm AIR BUBBLE
4	298	1302	0.260	1000	✓																	
5	299	1305	0.253	750	✓ 749																	
6	300	1306	0.423	600	✓																	
7	301	1307	0.615	500	✓																	
8	302	1309	0.924	400	✓ 402																	
9	303	1313	1.236	300	✓			✓														
10	304	1314	1.594	250	✓ 251																	
11	305	1315	2.014	200	✓																	
12	306	1317	2.837	175	✓																	
13	307	1318	3.056	150	✓ 148																	
14	308	1319	3.443	125	✓																	
15	309	1320	4.967	100	✓ 99																	END OF DISPENSER
16	310	1321	6.115	75	✓																	
17	311	1322	6.265	50	✓ 51																	
18	312	1323	6.303	30	✓																	
19	313	1324	6.238	20	✓ 22				✓✓				✓									
20	314	1325	5.762	10	✓ 9.6				✓✓				✓									
21	315	1326	5.769	5	✓	✓			✓✓				✓									
22																						
23																						
24																						

Ship: Tully
Entered By: SS
Checked By: _____

Start Scan: _____
Bottom Depth: 2055 m

Trans Cleaned: Y/N

Time	Local	UTC
Start		0758
Bottom		0825
End		0911

Start Position
Lat: 48° 51.12
Lon: 127° 19.31

Bottom Position
Lat: 48° 51.19
Lon: 127° 19.37

End Position
Lat: 48° 51.19
Lon: 127° 19.39

Comments: Oxygen = WHITE CASE
Nutrients = BLUE CASE

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LBP 7

Event #: 76

CTD File: _____

UTC Date (dd mmm yyyy): 06 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	316	1377	1.614	B-	✓ 2152																	
2	317	1380	1.343	2000	✓	✓																
3	318	1381	0.646	1500	✓ 1504																	
4	319	1382	0.373	1250	✓ 1253																	
5	320	1384	0.262	1000	✓ 1003																	
6	321	1386	0.351	750	✓ 751																	
7	322	1389	0.518	600	✓ 598																	
8	323	1391	0.683	500	✓																	
9	324	1392	1.091	400	✓ 405																	
10	325	1393	1.384	300	✓																	
11	326	1394	2.077	250	✓																	
12	327	1395	2.483	200	✓																	
13	328	1397	3.297	175	✓ 177																	
14	329	1399	3.136	150	✓ 144																	
15	330	1400	3.879	125	✓																	
16	331	1401	4.603	100	✓																	
17	332	1402	6.239	75	✓ 76																	
18	333	1403	6.102	50	✓			✓														
19	334	1404	4.915	30	✓ 35																	
20	335	1406	5.613	20	✓				✓✓				✓									
21	336	1409	5.745	10	✓ 11				✓✓				✓									
22	337	1410	5.744	5	✓ 4.7	✓			✓✓				✓									
23																						
24																						

Ship: Tully
Entered By: SS
Checked By: _____

Start Scan: _____
Bottom Depth: 2201 m

Trans Cleaned: Y/N

Time	Local	UTC
Start		<u>2047</u>
Bottom		<u>2116</u>
End		<u>2204</u>

Start Position
Lat: 49 ° 52.46
Lon: 128 ° 11.11

Bottom Position
Lat: 49 ° 52.52
Lon: 128 ° 11.31

End Position
Lat: 49 ° 52.89
Lon: 128 ° 11.25

Comments: Oxygens = ORANGE CASE
Nutrients = WHITE RACK

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: LBP5

Event #: 79

CTD File: _____

UTC Date (dd mmm yyyy): 07 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	339	1333	0.495	6-5	1286																	
2	340	134038	0.358	1000	1000	X																
3	341	1340	0.324	750	749																	
4	342	1341	0.455	600	600																	
5	343	1344	0.622	500	500																	
6	344	1347	0.824	400	400																	
7	345	1349	1.402	300	300																	
8	346	1351	1.793	250	250																	
9	347	1354	2.130	200	200																	
10	348	1356	2.312	175	175																	
11	349	1358	2.429	150	150																	
12	350	1360	2.751	125	125																	
13	351	1361	3.224	100	100																	
14	352	1362	4.038	75	75																	
15	353	1363	4.329	50	50																	
16	354	1364	4.752	30	31			2														
17	355	1366	5.453	20	20			1	2			X										
18	356	1367	5.920	10	10				2			X										
19	357	1368	5.319	5	5	X			2			X										
20	358	1371	0.420	1250	1250																	
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SR
Checked By: _____

Start Scan: _____
Bottom Depth: 1276 m

Trans Cleaned: ☒ Y / ☐ N

Time	Local	UTC
Start		0025
Bottom		0044
End		0119

Start Position
Lat: 49 ° 59.922
Lon: 127 ° 59.783

Bottom Position
Lat: 50 ° 0.109
Lon: 127 ° 59.843

End Position
Lat: 50 ° 0.182
Lon: 128 ° 0.064

Comments:

* Note bottle 20 is from 1250m

Cruise ID: 2007-16Station: LBP3Event #: 82

CTD File: _____

UTC Date (dd mmm yyyy): 7 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NH ₄	TCO	Alk	C13	Chl									
1	360	1297	2.194	6-5	✓ 155																	
2	361	1300	2.152	150	✓ 150	X																
3	362	1301	2.382	125	✓ 125																	
4	363	1302	2.512	100	✓ 100																	
5	364	1305	3.105	75	✓ 75																	
6	365	1306	3.765	50	✓ 50			2														(oxy stuff)
7	366	1307	4.406	30	✓ 30																	133.19 ml
8	367	1309	5.039	20	✓ 20				2				X									134.16
9	368	1313	5.540	10	✓ 10				2				X									136.45
10	369	1314	5.676	5	✓ 5	X			2				X									136.42
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SL
Checked By: _____

Start Scan: _____
Bottom Depth: 169 m

Trans Cleaned: Y/N

Time	Local	UTC
Start		0314
Bottom		0317
End		

Start Position
Lat: 50 ° 3.15
Lon: 127 ° 55.188

Bottom Position
Lat: 50 ° 3.15
Lon: 127 ° 55.212

End Position
Lat: °
Lon: °

Comments: _____

* See CTD Log Book for firing order on Niskins... it's a bit strange!

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: CS00Event #: 95

CTD File: _____

UTC Date (dd mmm yyyy): 7 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl							
1	375	1333	1.442	8-	✓ 2166															
2	376	1338	1.332	2000	✓ 1999	✓														
3	377	1340	0.650	1500	✓ 1497															
4	378	1341	0.386	1250	✓ 1252															
5	379	1344	0.246	1000	✓ 1008															
6	380	1347	0.306	750	✓															
7	381	1349	0.609	600	✓ 594															
8	382	1351	0.844	500	✓ 503															
9	383	1354	1.274	400	✓ 401															
10	384	1356	2.303	300	✓ 299															
11	385	1358	3.175	250	✓ 255															
12	386	1360	3.986	200	✓ 204															
13	387	1361	4.185	175	✓ 174															
14	388	1362	4.493	150	✓															
15	389	1363	4.896	125	✓															
16	390	1364	6.013	100	✓															
17	391	1366	6.420	75	✓															
18	392	1367	6.032	50	✓ 49															
19	393	1368	5.339	30	✓															
20	394	1371	5.805	20	✓				✓				✓							
21	395	1373		10	✓				✓				✓							
22	396	1374		5	✓	✓			✓				✓							SAMPLE NOT TAKEN
23	397	1375	5.824	5																
24																				

Ship: Tully
Entered By: _____
Checked By: _____

Start Scan: _____
Bottom Depth: _____ m df

Trans Cleaned: (Y) N

Time	Local	UTC
Start		2008
Bottom		2040
End		2123

Start Position
Lat: 50 ° 26.01
Lon: 129 ° 58.92

Bottom Position
Lat: 50 ° 26.09
Lon: 129 ° 58.19

End Position
Lat: 50 ° 26.25
Lon: 129 ° 58.19

Comments: Oxygen S = RED CASE
Nutrients =
NO 21 22

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16Station: C502Event #: 99

CTD File: _____

UTC Date (dd mmm yyyy): 8 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	399	1333	14.12	5-5	✓ 1910			2														
2	400	1338	0.787*	1500	✓ 1496	X																
3	401	1340	0.522	1250	✓ 1249																	
4	402	1341	0.327	1000	✓ 1001																	
5	403	1344	0.481	750	✓ 753																	
6	404	1347	0.684	600	✓ 599																	
7	405	1349	0.815	500	✓ 498																	
8	406	1351	1.020	400	✓ 398																	
9	407	1354	1.621	300	✓ 297																	
10	408	1356	2.180	250	✓ 249																	
11	409	1358	2.377	200	✓ 203																	
12	410	1360	2.510	175	✓ 173																	
13	411	1361	2.793	150	✓ 150																	
14	412	1362	3.232	125	✓ 127																	
15	413	1363	5.260	100	✓ 99																	
16	414	1364	5.236	75	✓ 75																	
17	415	1366	4.717	50	✓ 51																	
18	416	1367	4.808	30	✓ 31																	
19	417	1368	5.834	20	✓ 20				2			X										
20	418	1371	6.330	10	✓ 10				2			X										
21	419	1373	6.364	5	✓ 34	X			2			X										
22																						
23																						
24																						

Ship: Tully
Entered By: SL
Checked By: _____

Start Scan: _____
Bottom Depth: 190 m

Trans Cleaned: (Y)/N

Time	Local	UTC
Start	<u>2025</u>	<u>0325</u>
Bottom		<u>0354</u>
End		<u>0440</u>

Start Position
Lat: 50 41 ° 322
Lon: 129 28 ° 030

Bottom Position
Lat: 50 ° 41 341
Lon: 129 ° 28 170

End Position
Lat: 50 ° 41 590
Lon: 129 ° 28 014

Comments: _____

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16 Station: CS04 Event #: 103 CTD File: UTC Date (dd mmm yyyy): 8 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken														Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl							
1	421	1297	2.627	64	☒ 96		X	XX												
2	422	1300	3.604	75	☒	X	X	XX												
3	423	1301	4.776	50	☒		X	XX												
4	424			50	☒															
5	425	1305	5.474	30	☒		X	XX												
6	426	1306	5.855	20	☒		X	XX	XX				XX							
7	427		/5	15	☒															
8	428		/5	15	☒															
9	429	1313	6.127	10	☒		X	XX	XX				XX							
10			/5	75	☒															
11			/5	75	☒ 76															
12	430	1317	6.028	5	☒	X	X	XX	XX				XX							
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Ship: Tully
Entered By: SS
Checked By: SS

Start Scan:
Bottom Depth: 100 m

Trans Cleaned: (Y) N

Time	Local	UTC
Start		0742
Bottom		0745
End		0758

Start Position
Lat: 50 ° 49.09
Lon: 129 ° 13.95

Bottom Position
Lat: 50 ° 49.10
Lon: 129 ° 12.97

End Position
Lat: 50 ° 49.16
Lon: 129 ° 13.00

Comments:

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: C506

Event #: 115

CTD File: _____

UTC Date (dd mmm yyyy): 9 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓ Pressure	Sal	Oxy	Nut	NHA	TCO	Alk	C13	Chl									
1	425	1297	3.511	6-5	50																	* see below.
2	426	1300	3.977	50	50	X																
3	427	1301	4.376	30	31																	
4	428	1302	4.871	20	20				2				X									
5	429	1305	5.516	10	10				2				X									
6	430	1306	6.450	5	5	X			2				X									
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SK
Checked By: _____

Start Scan: _____
Bottom Depth: 65 m

Trans Cleaned: (Y) / N

Time	Local	UTC
Start		<u>0045</u>
Bottom		<u>0047</u>
End		<u>0054</u>

Start Position
Lat: 51 ° 0.454
Lon: 128 ° 50.350

Bottom Position
Lat: 51 ° 0.496
Lon: 128 ° 50.389

End Position
Lat: 51 ° 0.602
Lon: 128 ° 50.410

Comments: TRANS ABOVE 100-CHANGED WARR WOULD NOT SET END POINT ON 425 - STOPPED

* - cleaned up probe, will run 426 + see if that helped. Looks OK!

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: C509

Event #: 120

CTD File: _____

UTC Date (dd mmm yyyy): 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ✓	Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl								
1	433	1333	2.465	B-	✓	181																
2	434	1338	2.432	175	✓	172	✓															
3	435	1340	2.533	150	✓	150																
4	436	1341	2.553	125	✓	125																
5	437	1344	2.998	100	✓	99																
6	438	1347	3.971	75	✓	74.7																
7	439	1349	4.799	50	✓	50																
8	440	1351	5.239	30	✓	30																
9	441	1354	5.795	20	✓	18.9				✓				✓								
10	442	1356	6.063	10	✓	10				✓				✓								
11	443	1358	6.082	5	✓	4.3	✓			✓				✓								
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: _____
Checked By: _____

Start Scan: _____
Bottom Depth: 195 m

Trans Cleaned: (Y) N

Time	Local	UTC
Start		<u>0422</u>
Bottom		<u>0425</u>
End		<u>0438</u>

Start Position
Lat: 51 ° 12 504
Lon: 128 ° 27 989

Bottom Position
Lat: 51 ° 12 522
Lon: 128 ° 27 925

End Position
Lat: 51 ° 12 564
Lon: 128 ° 27 976

Comments: Oxygen = Red Case

Water Properties Group

Rosette Log

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

Cruise ID: 2007-16

Station: CS10

Event #: 125

CTD File: _____

UTC Date (dd mmm yyyy): 09 2007

Niskin #	Sample #	Oxygen Flask #	Oxygen mL/L	Rosette Operation		Samples Taken																Comments
				Sample Depth	Confirmed ☒ Pressure	Sal	Oxy	Nut	NH4	TCO	Alk	C13	Chl									
1	444			20	☒																	
2	445			18	☒																	
3	446			16	☒																	
4	447			14	☒																	
5	448			12	☒																	
6	449			10	☒																	
7	450			8	☒																	
8	451			6	☒																	
9	452			5	☒	x		x					x									405.5m
10	453			4	☒																	
11	454			2	☒																	
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Ship: Tully
Entered By: SS
Checked By: _____

Start Scan: _____
Bottom Depth: 85 m

Trans Cleaned: (Y/N)

Time	Local	UTC
Start		0657
Bottom		0659
End		0711

Start Position
Lat: 51 ° 16.61
Lon: 128 ° 20.32

Bottom Position
Lat: 51 ° 16.61
Lon: 128 ° 20.31

End Position
Lat: 51 ° 16.67
Lon: 128 ° 20.35

Comments: Samples for UVIC