

Water Properties Group

Rosette Log

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

Cruise ID: 2008-38 Station: 55 Event #: 001 Ship: Tully UTC Date (dd|mmm|yyyy): 02|05|09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	1			B-10	☒ 175		☒							
2	2			150	☒		☒							
3	3			125	☒		☒							
4	4			100	☒		☒							
5	5			75	☒		☒							
6	6			50	☒		☒							
7	7			30	☒		☒							
8	8			20	☒		☒							
9	9			10	☒		☒							
10	10			5	☒		☒							
11	11			0	☒		☒							
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.M.

Bottom Depth: 136 m

Transmisso Cleaned: ☒ Y / N

	Time	UTC	Local
Start		0210	
Bottom			
End			

Positional Information

Start
 Lat: 48 ° 39.22 N
 Lon: 123 ° 30.41 W

Bottom
 Lat: 48 ° 39.23 N
 Lon: 123 ° 30.40 W

End
 Lat: 48 ° 39.26 N
 Lon: 123 ° 30.31 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____|____|____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S10

Event #: 003

Ship: Tully

UTC Date (dd|mmm|yyyy): 2 | 05 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	12			8-10	✓ 217		✓									
2	13			150	✓											
3	14			125	✓											
4	15			100	✓											
5	16			75	✓											
6	17			50	✓											
7	18			30	✓		✓									
8	19			20	✓											
9	20			10	✓											
10	21			5	✓											
11	22			0	✓											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 223 m

Transmisso Cleaned: ☒ / N

	Time	UTC	Local
Start		1311	
Bottom		1317	
End		1332	

Positional Information

Start
 Lat: 48 ° 37 85 N
 Lon: 123 ° 14 76 W

Bottom
 Lat: 48 ° 37 87 N
 Lon: 123 ° 14 77 W

End
 Lat: 48 ° 37 92 N
 Lon: 123 ° 14 96 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S 5

Event #: 005

Ship: TULLY

UTC Date (dd|mmm|yyyy): 3 | 05 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	23	2064	0.026	B-10	☒ 179	☒	☒									
2	24	3024	0.049	B-10	☒											
3	25	3098	0.037	150	☒		☒									
4	26	3075	0.028	150	☒											
5	27	3006	0.611	125	☒		☒									
6	28	3171	0.591	125	☒											
7	29	3057	1.860	100	☒		☒									
8	30	3055	1.967	100	☒											
9	31	3203	3.180	75	☒		☒									
10	32	3018	3.179	75	☒											
11	33	3012	4.956	50	☒		☒									
12	34	3124	4.936	50	☒											
13	35	2007	5.673	30	☒		☒									
14	36	2015	5.631	30	☒											
15	37	2099	5.865	20	☒		☒									
16	38	2035	5.803	20	☒											
17	39	3034	7.871	10	☒		☒									
18	40	2032	7.696	10	☒											
19	41	3109	0.320	5	☒		☒									END PT TOO EARLY
20	42	3052	0.459	5	☒											11
21	43	3164	0.085	0	☒		☒					125.1				11
22	44	3038	0.561	0	☒							207.1				11
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 187 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1631	
Bottom	1635	
End	1649	

Positional Information

Start Lat: 48 ° 39. 26 N
Lon: 123 ° 30. 35 W

Bottom Lat: 48 ° 39. 26 N
Lon: 123 ° 30. 36 W

End Lat: 48 ° 39 27 N
Lon: 123 ° 30 34 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

*Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S5

Event #: 007

Ship: TOLLY

UTC Date (dd|mmm|yyyy): 4 | 5 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	45			B-10	☒ 179		☒									
2	46			150	☒											
3	47			125	☒											
4	48			100	☒											
5	49			75	☒		☒									
6	50			50	☒											
7	51			30	☒											
8	52			20	☒											
9	53			10	☒											
10	54			5	☒											
11	55			0	☒		☒									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 188 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	2120	
Bottom	2124	
End	2136	

Positional Information

Start
 Lat: 48 ° 39.24 N
 Lon: 123 ° 30.36 W

Bottom
 Lat: 48 ° 39.24 N
 Lon: 123 ° 30.35 W

End
 Lat: 48 ° 39.24 N
 Lon: 123 ° 30.35 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38 Station: 55 Event #: 009 Ship: TULLI UTC Date (dd|mmm|yyyy): 5 | 05 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	56	2064	0.015A	5-10	✓	180	✓	✓								
2	569	3057	0.008A		✓		✓									
3	57	3055	0.008A	175	✓		✓	✓								
4	579	3024	0.003A		✓		✓									
5	58	3098	0.020A	165	✓		✓	✓								
6	589	3203	0.112A		✓		✓									
7	59	3171	0.084✓	150	✓		✓	✓								
8	599	3075	0.040✓		✓		✓									
9	60	3006	0.450	130	✓		✓	✓								
10	609	3018	0.427		✓											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M./C.G.

Bottom Depth: 187 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	1740	
Bottom	1746	
End	1754	

Positional Information

Start

Lat: 48 ° 39.24 N

Lon: 123 ° 30 39 W

Bottom

Lat: 48 ° 39 18 N

Lon: 123 ° 30 35 W

End

Lat: 48 ° 39 17 N

Lon: 123 ° 30 29 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

*Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S5

Event #: 010

Ship: TULLY

UTC Date (dd|mmm|yyyy): 5 | 05 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	61	3012	2.133	110	☒	110	☒	☒								
2	619	3124	2.042		☒		☒									
3	62	2007	2.621	90	☒		☒									
4	629	2015	2.615		☒		☒									
5	63	2099	5.710	30	☒		☒									
6	639	2035	5.705		☒		☒									
7	64	3034	6.123	10	☒		☒									
8	649	2032	6.088		☒		☒									
9	65	3052	6.552	5	☒		☒									
10	659	3109	6.519		☒		☒									
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M./C.G.

Bottom Depth: 189 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1941	
Bottom	1943	
End	1948	

Positional Information

Start

Lat: 48 ° 39.22 N

Lon: 123 ° 30.32 W

Bottom

Lat: 48 ° 39.21 N

Lon: 123 ° 30.31 W

End

Lat: 48 ° 39.20 N

Lon: 123 ° 30.27 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

#61-#65: Same sample #5 as cast 10 all ending 9 i.e. 69 becomes 969

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S5

Event #: 012

Ship: TULLY

UTC Date (dd|mmm|yyyy): 6 | 05 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	61			B-10	☒ 180		☒									
2	62			150	☒											
3	63			125	☒											
4	64			100	☒		☒									
5	65			75	☒											
6	66			50	☒											
7	67			30	☒											
8	68			20	☒											
9	69			10	☒											
10	70			5	☒											
11	71			0	☒		☒									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): W.M.

Bottom Depth: 187 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1537	
Bottom	1542	
End	1555	

Positional Information

Start Lat: 48 ° 39 . 19 N
Lon: 123 ° 30 . 38 W

Bottom Lat: 48 ° 39 20 N
Lon: 123 ° 30 38 W

End Lat: 48 ° 39 24 N
Lon: 123 ° 30 29 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: S5

Event #: 014

Ship: TULLY

UTC Date (dd|mmm|yyyy): ____ | ____ | ____

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒	Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	72			125			✓										
2	73			125													
3	74			125													
4	75			125													
5	76			125													
6	77			125													
7	78			75													
8	79			75													
9	80			75													
10	81			75													
11	82			75													
12	83			75													
13	84			10													
14	85			10													
15	86			10													
16	87			10													
17	88			10													
18	89			10			✓										
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 108 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Start	1437	
Bottom	1441	
End		

Positional Information

Start
 Lat: 48 ° 39.22 N
 Lon: 123 ° 30.34 W

Bottom
 Lat: 48 ° 39.22 N
 Lon: 123 ° 30.32 W

End
 Lat: 48 ° 39 N
 Lon: 123 ° 30 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: 55

Event #: 014

Ship: TULLY

UTC Date (dd|mmm|yyyy): 6 | 5 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	1	1291	0.661	125												105 D 105 T
2	100	1282	0.583													S10 D 105 T
3	2	1141	0.547													105 D 105 T
4	200	1119	0.538													S10 A 105 T
5	3	1274	0.570													S10 D 105 T
6	300	1288	0.583													105 D 105 T
7	4	1276	0.587													105 D 105 T
8	400	1219	0.599													S10 D 105 T
9	5	1277	0.530													105 D 105 T
10	500	458	0.613													S10 A 105 T
11	6	658	0.517													105 D 105 T
12	600	1271	0.495													S10 D 105 T
13	7	1295	3.479													105 D 105 T
14	700	586	3.435													S10 D 105 T
15	8	1225	3.582													105 D 105 T
16	800	1216	3.462													S10 D 105 T
17	9	439	3.494													105 D 105 T
18	900	547	3.497													S10 D 105 T
19	10	1286	3.532													105 D 105 T
20	1000	1023	3.477													S10 D 105 T
21	11	1343	3.516													105 D 105 T
22	1100	1417	3.589													S10 D 105 T
23	12	1336	3.602													105 D 105 T
24	1200	1233	3.573													S10 D 105 T

Watchkeeper(s): 11-11

Bottom Depth: 188 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start
 Lat: 48 ° 39.25 N
 Lon: 123 ° 30.30 W

Bottom
 Lat: ° N
 Lon: ° W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹
 Std Value: _____ mL · L⁻¹
 *Date Run: ____ | ____ | ____
 Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2009-38

Station: 55

Event #: 014

Ship:

UTC Date (dd|mmm|yyyy): | |

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	13	1430	5.966	10												10S Δ 10S T
2	1300	1110	5.976	10												510 Δ 10S T
3	14	1418	5.951													10S Δ 10S T
4	1400	1413	5.977													510 Δ 10S T
5	15	1445	6.144													10S Δ 10S T
6	1500	1426	5.23													510 Δ 10S T
7	16	1432	5.960													10S Δ 10S T
8	1600	1297	5.955													510 Δ 10S T
9	17	1223	5.934													10S Δ 10S T
10	1700	1382	5.974													510 Δ 10S T
11	18	1422	5.954													10S Δ 10S T
12	1800	1495	5.943													510 Δ 10S T
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

BAD END POINT - CRASH

* NO GROOVE IN STOPPER

Watchkeeper(s):

Bottom Depth: m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: mL · L⁻¹

Std Value: mL · L⁻¹

*Date Run: | |

Analyst:

* Oxygen blanks and standards should be run daily, if possible