

Water Properties Group

Rosette Log

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

Cruise ID: 2015-20 Station: SSS Event #: 173 Ship: TULLY UTC Date (dd|mmm|yyyy): 04 | JUN | 2015

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	HPLC	UVC gases		
1	385			5		5.6	X		XX		XX	XX		
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): TF

Bottom Depth: 198 m
Transmisso Cleaned: (Y) 1 N

	Time	UTC	Local
Start		1442	0742
Bottom		1446	0746
End		14	07

Positional Information
Start
Lat: 51 ° 27.874 N
Lon: 128 ° 29.920 W

Bottom
Lat: 51 ° 27.871 N
Lon: 128 ° 29.936 W

End
Lat: 51 ° 27. N
Lon: 128 ° 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: 2015-20 Station: SS6 Event #: 174 Ship: JULLY UTC Date (dd|mmm|yyyy): 04 | June | 2015

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	HAPO			
1	386			5	☒		X		XX		XY			Fluo ~10
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): TF

Bottom Depth: 176 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1704	1004
Bottom	1707	1007
End	1712	1012

Positional Information
Start
Lat: 51 ° 20.004 N
Lon: 127 ° 59.986 W

Bottom
Lat: 51 ° 20.011 N
Lon: 128 ° 00.001 W

End
Lat: 51 ° 20.017 N
Lon: 128 ° 00.025 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: 2015-20 Station: SS7 Event #: 176 Ship: Tully UTC Date (dd|mmm|yyyy): 04 | June | 2015

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken						HPLC	UBC gases				Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄							
1	387			5	5.3		X		XX		XX	XX					Fluo @ 5m = 16
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): TF

Bottom Depth: 123 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1852	1152
Bottom	1854	1154
End	1857	1157

Positional Information
Start
Lat: 51 ° 24.738 N
Lon: 127 ° 47.591 W

Bottom
Lat: 51 ° 24.739 N
Lon: 127 ° 47.592 W

End
Lat: 51 ° 24.745 N
Lon: 127 ° 47.592 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: 2015-20 Station: R32 Event #: 182 Ship: TULLY UTC Date (dd|mmm|yyyy): 04 | JUN | 2015

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	HPec	UVc				
1	388			250	☒							☒				
2	389			150	☒							☒				
3	390			50	☒							☒				
4	391			20	☒							☒				
5	392			10	☒							☒				
6	393			5	☒		☒		☒		☒	☒				Fluo: ~42
7							☒									
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): MR

Bottom Depth: 328 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2242	1542
Bottom	2249	
End	2300	

Positional Information
Start
Lat: 51° 31.19 N
Lon: 127° 33.62 W

Bottom
Lat: 51° 31.19 N
Lon: 127° 33.66 W

End
Lat: 51° 31.17 N
Lon: 127° 33.60 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: 2015-26

Station: 14

Event #: 197

Ship: TULLY

UTC Date (dd|mmm|yyyy): 06 | JUN | 2015

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	HPLC						
1	394			0	☒ 1.9		x		xx		xy						
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): MR

Bottom Depth: 313 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0548	2248
Bottom	0554	2254
End	0601	

Positional Information

Start
 Lat: 49° 53.01 N
 Lon: 124° 59.68 W

Bottom
 Lat: 49° 53.04 N
 Lon: 124° 59.71 W

End
 Lat: 49° 53.03 N
 Lon: 124° 59.77 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: 2015-20 Station: 11 Event #: 199 Ship: TULLY UTC Date (dd|mmm|yyyy): 06 | June | 2015

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	HPLC	Dowex	cit	
1	395			0		2	X		XX		XX		XX	
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): TF

Bottom Depth: 299 m
Transmisso Cleaned: (Y) N

	UTC	Local
Time		
Start	08 10	01 10
Bottom	08 16	01 16
End	08 22	01 22

Positional Information
Start
Lat: 49 ° 42.391 N
Lon: 124 ° 43.390 W

Bottom
Lat: 49 ° 42.390 N
Lon: 124 ° 43.390 W

End
Lat: 49 ° 42.386 N
Lon: 124 ° 43.404 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: 2015-20 Station: CPF2 Event #: 201 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | 06 | 2015

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	HPLC	down	
1	396			0	2		x		xx		xx	xx	fluo@2m=1
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Watchkeeper(s): TF

Bottom Depth: 325 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1037	0337
Bottom	1043	0343
End	1050	0350

Positional Information
Start
Lat: 49 ° 27.926 N
Lon: 124 ° 30.005 W

Bottom
Lat: 49 ° 27.930 N
Lon: 124 ° 30.004 W

End
Lat: 49 ° 27.926 N
Lon: 124 ° 30.000 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: 2015-20 Station: CPF1 Event #: 203 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | 06 | 2015

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	HPLC	cloner		
1	397			0		1.9	x		xx		xx	xx		Fluo @ 2m = 2
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): TF

Bottom Depth: 243 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	1306	0606
Bottom	1310	0610
End		

Positional Information

Start Lat: 49 ° 21.978 N
Lon: 124 ° 05.091 W

Bottom Lat: 49 ° 21.984 N
Lon: 124 ° 05.065 W

End Lat: 49 ° 21. N
Lon: 124 ° 05. 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: 2015-20 Station: 22 Event #: 205 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | 06 | 2015

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	WPC	clower			
1	398			0	2.4		x		xx		xx	xx			
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Watchkeeper(s):
TF

Bottom Depth: 349 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1558	0858
Bottom	1604	0904
End	1611	0911

Positional Information

Start	Lat: 49 ° 40.168 N
	Lon: 124 ° 16.316 W
▼	
Bottom	Lat: 49 ° 40.169 N
	Lon: 124 ° 16.328 W
▼	
End	Lat: 49 ° 40.174 N
	Lon: 124 ° 16.326 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: 2015-20 Station: 24 Event #: 207 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | 06 | 2015

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	clouder	HPLC				
1	399			0	1.6		X		xx		xx	xx				Fluo @ 2m = 0.4
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): TF

Bottom Depth: 423 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1756	1056
Bottom	1804	1104
End	1812	1112

Positional Information
Start
Lat: 49 ° 30.238 N
Lon: 124 ° 05.992 W

Bottom
Lat: 49 ° 30.232 N
Lon: 124 ° 05.932 W

End
Lat: 49 ° 30.238 N
Lon: 124 ° 05.908 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: 2015-20 Station: 28 Event #: 209 Ship: Tully UTC Date (dd|mmm|yyyy): 06 | 06 | 2015

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	AlP _{oc}					
1	400			0				*		xx		xx					
2																	
3																	
4																	
5																	
6																	
7								✓									
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): MR

Bottom Depth: 132 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2011	1311
Bottom	2014	
End	2017	

Positional Information
Start
Lat: 49° 24.13 N
Lon: 123° 45.30 W

Bottom
Lat: 49° 24.12 N
Lon: 123° 45.29 W

End
Lat: 49° 24.11 N
Lon: 123° 45.30 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: 2015-20 Station: GEO1 Event #: 211 Ship: TULLY UTC Date (dd|mmm|yyyy): 06 | JUN | 2015

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	HPIC			
1	401		(MAX)	15	☒		☒		☒		☒			
2	402			0			☒		☒		☒			
3														
4														
5														
6														
7							☒							
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): MR

Bottom Depth: 396 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2132	1432
Bottom	2140	
End	2149	

Positional Information
Start
Lat: 49° 14.96 N
Lon: 123° 44.99 W

Bottom
Lat: 49° 14.95 N
Lon: 123° 44.99 W

End
Lat: 49° 14.95 N
Lon: 123° 45.00 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

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-20 Station: 38 Event #: 214 Vessel: TULLY UTC Date (dd|mmm|yyyy): 07 | JUN | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)										Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a							
1	1	403	1			X		XX	XX						
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):

MR

Bottom Depth: 304 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	00:37	17:37
Bottom (BO)	00:43	:
End (EN)	00:49	:

Positional Information

Start

Lat: 49° 12 . 07 N

Lon: 123° 26 . 37 W

Bottom

Lat: 49° 12 . 08 N

Lon: 123° 26 . 39 W

Finish

Lat: 49° 12 . 10 N

Lon: 123° 26 . 36 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2015-20 Station: 41 Event #: 216 Vessel: TULLY UTC Date (dd|mmm|yyyy): 07 | JUN | 2015

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a										
1		404	0	✓														
2																		
3					NISKINS 2-24 closed on the way up, not sampled. Only #1 sampled.													
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
Ros (default) | TrMetlRos | X-Niskin
Watchkeeper(s):

MR

Bottom Depth: 238 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: ~~Y~~ / N

Time

UTC

Local

Start (BE)

02:22

19:22

Bottom (BO)

02:27

:

End (EN)

02:31

:

Positional Information

Start

Lat: 49° 03 . 32 N

Lon: 123° 22 . 29 W

Bottom

Lat: 49° 03 . 32 N

Lon: 123° 22 . 28 W

Finish

Lat: 49° 03 . 34 N

Lon: 123° 22 . 29 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)