

Water Properties Group

Rosette Log

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

Cruise ID: 2014-21 Station: C1 Event #: 10 Ship: TULLY UTC Date (dd|mmm|yyyy): 28 | MAY | 2014

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	HPK					
1	900			Chl MAX	☒ 15		☒		☒		☒					Fluo: 16.2
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): MR

Bottom Depth: 152 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2135	1435
Bottom	2139	
End	2142	

Positional Information
Start
Lat: 48 ° 28.92 N
Lon: 125 ° 15.15 W

Bottom
Lat: 48 ° 28.89 N
Lon: 125 ° 15.19 W

End
Lat: 48 ° 28.89 N
Lon: 125 ° 15.19 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: 2014-21 Station: C2 Event #: 12 Ship: TULLY UTC Date (dd|mmm|yyyy): 28 | MAY | 2014

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	901			5			✓		✓		✓					FLUO: 14
2	902			CHL MAX	10		✓		✓		✓					FLUO: NOT USED
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: 162 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2244	1544
Bottom	2251	
End	2255	

Positional Information

Start Lat: 48 ° 26.05 N
Lon: 125 ° 09.30 W

Bottom Lat: 48 ° 26.04 N
Lon: 125 ° 09.34 W

End Lat: 48 ° 26.05 N
Lon: 125 ° 09.34 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: 2014-21 Station: C3 Event #: 14 Ship: TULLY UTC Date (dd|mmm|yyyy): 29 | MAY | 2014

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	HPCL			
1	903			5	☒		☒		☒		☒			FLUO:
2	904			MAX	☒		☒		☒		☒	NOT USED		FLUO:
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: 122 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0056	1756
Bottom	0059	
End	0102	

Positional Information
Start
Lat: 48 ° 23.44 N
Lon: 125 ° 20.75 W

Bottom
Lat: 48 ° 23.42 N
Lon: 125 ° 20.77 W

End
Lat: 48 ° 23.44 N
Lon: 125 ° 20.78 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

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

UTC Date (dd|mmm|yyyy): 29 | MAY | 2014

MR

Transmisso Cleaned: ☒ Y / ☐ N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	0237	1937
Bottom	0240	
End	0244	

Positional Information		
Lat:	48° 28.68	N
Lon:	125° 21.93	W

Bottom	Lat:	48 ° 28.67	N
	Lon:	125 ° 21.92	W

End	Lat:	48 ° 28. 66	N
	Lon:	125 ° 21 91	W

Extra comments:

[illegible]

Water Properties Group

Sampling Log

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

Cruise ID: 2014-21 Station: LB08 Event #: 19 Ship: Tully UTC Date (dd|mmm|yyyy): 29 | May | 2014

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	DIC	Gases	DMSO	DMSP		
				✓		0Y		MG	MG	N ²	MG	MR	PR	PR	PR		
1	1	34	Bot-5	✓	130	xx		x				x					
2	2	35	Bot-10	✓	125	xx		x				x					
3	3	36	Bot-15	✓	120	xx		x				x					
4	4	37	100	✓	100	x		xx				x					
5	5	38	75	✓	75	x		x				xx					
6	6	39	50	✓	50	x		x	xx	xx		x					0.41
7	8	40	30	✓	30	x		x	xx	xx		x					1.3
8	9	41	20	✓	20	x		x	xx	xx	xx	xx					0.71
9	10	42	10	✓	10	xx		x	xx	xx	xx	x					0.67
10	11	43	5	✓	5	x		x	xx	xx	xx	x					Fluo: 0.44
11	12	44	5	✓	5								xx	xx	xx		
12	7	45	40	✓	40			x	xx	xx							0.58
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): HRBottom Depth: 139 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0353	2053
Bottom	0357	
End	0412	

Positional Information
Start
Lat: 48 ° 25.24 N
Lon: 125 ° 28.61 WBottom
Lat: 48 ° 25.25 N
Lon: 125 ° 28.61 WEnd
Lat: 48 ° 25.18 N
Lon: 125 ° 28.61 WExtra comments:
Out-of-Order
1-6; 12; 7-11

Water Properties Group

Rosette Log

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

Cruise ID: 2014-21 Station: B8 Event #: 21 Ship: TULLY UTC Date (dd|mmm|yyyy): 29 | MAY | 2014

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	905			5	☒	5	☒		☒		☒					FLUO. 0.8
2	906			MAX			☒		☒		☒	NOT USED				FLUO.
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: 112 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0556	2256
Bottom	0559	
End	0602	

Positional Information

Start Lat: 48° 34.51 N
Lon: 125° 29.92 W

Bottom Lat: 48° 34.50 N
Lon: 125° 29.92 W

End Lat: 48° 34.51 N
Lon: 125° 29.93 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: 2014-21 Station: B7 Event #: 22 Ship: Tully UTC Date (dd|mmm|yyyy): 29 | MAY | 2014

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	907			5	☒		☒		✓		✓			FLUO: 0.9
2	908			MAX			☒		✓		✓	NOT USED		FLUO:
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: 81 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0644	2344
Bottom	0647	
End	0649	

Positional Information
Start Lat: 48 ° 31.97 N
Lon: 125 ° 35.47 W

Bottom Lat: 48 ° 31.99 N
Lon: 125 ° 35.46 W

End Lat: 48 ° 31.97 N
Lon: 125 ° 35.47 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 Log

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

Cruise ID: 2014-21

Station: LB09

Event #: 24²⁴

Ship: Tully

UTC Date (dd|mmm|yyyy): 29 | 5 | 14

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	DMSO	DMSP			
1	1	46	Bot-10	✓	141.8	x		x									
2	2	47	125	✓	125.0	x		x x									
3	3	48	100	✓	99.8	x		x									
4	4	49	75	✓	74.9	x		x									
5	5	50	50	✓	50.2	x		x									
6	6	51	30	✓	29.8	x		x									
7	7	52	20	✓	19.8	x x		x		x x		x x					
8	8	53	10	✓	10.6	x		x		x x		x x					
9	9	54	5	✓	5.9	x		x		x x	x x	x x					Fluo: ~0.5
10	10	55	5	✓	5.4							x x	x x	x x			
11		56	Max														Fluo: ~0.5
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): M.B.

Bottom Depth: 153 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	08:46	01:46
Bottom	08:49	01:49
End	09:06	02:00

Positional Information

Lat: 48 ° 22 001 N
Lon: 125 ° 34 754 W

Lat: 48 ° 21 988 N
Lon: 125 ° 34 765 W

Lat: 48 ° 21 976 N
Lon: 125 ° 34 757 W

Extra comments:

Firing Seq.
1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Water Properties Group

Sampling Log

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

Cruise ID:

2014-21

Station:

LB10

Event #: 25

Ship: Tully

UTC Date (dd|mmm|yyyy): 29 | 05 | 2014

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ☒ Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	UBC			
1	1	57	5	✓ 5.2			x		xx	xx						Fluo: ~04'
2		58	Max				NOT USED									Fluo:
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 ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MB

Bottom Depth: 154 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	10:09	3:13
Bottom	10:12	3:12
End	10:16	3:16

Positional Information

Start	Lat: 48 ° 18 502 N
	Lon: 125 ° 41 262 W

Bottom

Lat: 48 ° 18 490 N
Lon: 125 ° 41 262 W

End

Lat: 48 ° 18 493 N
Lon: 125 ° 41 243 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2014-21 Station: LB11 Event #: 26 Ship: Tully UTC Date (dd|mmm|yyyy): 29 | 05 | 2014

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	DMSO	DMSP			
1	1	59	Bot-10	✓	196.1	x		x									All labels have Sm mistakenly.
2	2	60	175	✓	176.0	x		x									
3	3	61	150	✓	149.5	x		x									
4	4	62	125	✓	125.1	x		x									
5	5	63	100	✓	100.9	xx		x									
6	6	64	75	✓	75.8	x		xx									
7	7	65	50	✓	49.9	x		x									
8	8	66	30	✓	30.4	x		x									
9	9	67	20	✓	20.0	x		x	xx		xx						
10	10	68	10	✓	9.0	x		x	xx		xx						
11	11	69	5	✓	5.0	x		x	xx	xx	xx						Fluo: ~0.4
12	12	70	5	✓	5.0							xx	xx	xx			
13		71	Max														Fluo:
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 206 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	11:29	3:29
Bottom	11:34	3:34
End	11:49	3:49

Positional Information

Lat: 48 ° 15 235 N

Lon: 125 ° 47 656 W

Lat: 48 ° 15 218 N

Lon: 125 ° 47 676 W

Lat: 48 ° 15 236 N

Lon: 125 ° 47 549 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2014-21

Station:

LB12

Event #:

28

Ship:

Tully

UTC Date (dd/mmm/yyyy): 29 May 2014

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	DMSO	DMSP	
1	1	72	Bot-10	✓ 503.1	x		x	x							
2	2	73	400	✓ 400.9	x		x	x							
3	3	74	300	✓ 299.2	x		x								
4	4	75	250	✓ 251.7	xx		x								
5	5	76	200	✓ 200.8	x		x								
6	6	77	175	✓ 174.7	x		xx								
7	7	78	150	✓ 149.4	x		x								
8	8	79	125	✓ 125.1	x		x								
9	9	80	100	✓ 100.2	x		x								
10	10	81	75	✓ 75.2	x		x								
11	11	82	50	✓ 49.3	x		x		xx	xx					
12	13	83	30	✓	x		x		xx	xx					(12) chl max 2.4
13	14	84	20	✓	x		x		xx	xx	xx				
14	15	85	10	✓	x		x		xx	xx	xx				
15	16	86	5	✓	xx		x		xx	xx	xx				Fluo:
16	17	87	5	✓								xx	xx	xx	
17	12	88	40	✓			x		xx	xx					Fluo:
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MB

Bottom Depth: 510 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	13:13	06:13
Bottom	13:21	06:21
End	13:	

Positional Information

Start	Lat: 48° 12' 900	N
	Lon: 125° 51' 809	W

Bottom

Lat: 48° 12' 877	N
Lon: 125° 51' 856	W

End

Lat: 48° 12	N
Lon: 125° 51	W

Extra comments:

OUT-OF-ORDER!!

1,2,3,4,5,6,7,8,9,10,11,
17,12,13,14,15,16