

Water Properties Group

Rosette Log

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

Cruise ID: 2009-09

Station: Sut Chan 2

Event #: 002

Ship: Tully

UTC Date (dd|mmm|yyyy): 17 | 09 | 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	001	1247	3.416	65	/ 255											
2	002	1320	3.421	200	/ 200											
3	003	1400	3.376	175	/ 175											
4	004	1175	3.236	150	/ 150											
5	005	1209	3.128	125	/ 125											* double step at end of titration.
6	006	2020	2.960	100	/ 100											↑ too!
7	007a	1384	2.999	75	/ 75											* DO dump
8	008	1322	3.111	50	/ 50											
9	009	1373	3.505	30	/ 30											(98.3%)
10	010	1146	4.484	20	/ 20											
11	011	1386	5.600	10	/ 10											- program quit on me → didn't retain cast info
12	012	681	5.956	0	/ 2											
13																
14																
15	007b	1406	2.934	25												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SL

Bottom Depth: 260 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1924	
Bottom	1933	
End	1951	

Positional Information

Start Lat: 50 ° 4.443 N
Lon: 125 ° 7.372 W

Start

Bottom Lat: 50 ° 4.447 N
Lon: 125 ° 7.395 W

Bottom

End Lat: 50 ° 4.450 N
Lon: 125 ° 7.375 W

End

Oxygen Info For This Cast

Blank Value: $\bar{x} = 0.0720$ mL · L⁻¹
Std Value: $\bar{x} = 0.0045$ mL · L⁻¹
*Date Run: 17 | 09 | 09
Analyst: SL

* 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: 2009-59

Station: Ca-chan

Event #: 6

Ship: Tully

UTC Date (dd|mmm|yyyy): 18 | Sep | 2009

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	1247	3.313	6-5	✓ 533	1										
2	14	1320	3.24	580	✓ 500	1										97.5% on colourim.
3	15	1400	3.223	400	✓ 400											
4	16A	1175	3.209	300	✓ 300	2										
5	17	2020	3.227	250	✓ 250											2-step finish RE EP
6	18	1384	3.180	200	✓ 200											
7	19	1406	3.171	175	✓ 175											
8	20	1322	3.163	150	✓ 150											
9	21	1373	3.159	125	✓ 125											
10	22	1146	3.048	100	✓ 100											
11	23	1386	2.93	75	✓ 75											97.6% on colourim
12	24	631	3.306	50	✓ 50											bottom depth 98.8
13	25	1414	3.515	30	✓ 30											
14	26	1397	3.70	20	✓ 20											
15	27	1409	4.469	10	✓ 10											* handling crack in neck of bottle
16	28	1326	6.45	0	✓ 2											* pulled out of case.
17																
18																
19A	16B	1209	3.209	300												Dupl. D02
20																
21																
22																
23																
24																

Watchkeeper(s): SR/LP

Bottom Depth: 536 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0348	
Bottom	0401	
End	0424	

Positional Information

Start Lat: 50 ° 20.343 N
Lon: 125 ° 7.049 W

Bottom Lat: 50 ° 20.350 N
Lon: 125 ° 7.144 W

End Lat: 50 ° 20.359 N
Lon: 125 ° 7.238 W

Oxygen Info For This Cast

Blank Value: 0.720 mL · L⁻¹
Std Value: 0.0045 mL · L⁻¹
*Date Run: 18 | 09 | 09
Analyst: LW

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

The colourimeter seems rather funky and it is on the same part that we've had problems with.

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59 Station: PA2 Event #: 0009 Ship: Tully UTC Date (dd|mmm|yyyy): 18 | Sep | 2009

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	29	1247	4.105	6-5	✓ 98	1										
2	30	1320	4.00	75	✓ 75	1										
3	31 A	1400	3.987	50	✓ 50	2										
4	32	1709	3.922	30	✓ 30	1										
5	33	2020	3.999	20	✓ 20	1										
6	34	1384	3.939	10	✓ 10	1										
7	35			0	✓ 0											
8																
9	31 B	1175	3.957													
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SL

Bottom Depth: 100 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2139	
Bottom	2144	
End	2152	

Positional Information

Start

Lat: 50 ° 29.012 N

Lon: 125 ° 22.036 W

Bottom

Lat: 50 ° 29.016 N

Lon: 125 ° 22.118 W

End

Lat: 50 ° 29.029 N

Lon: 125 ° 22.158 W

Oxygen Info For This Cast

Blank Value: 0.720 mL · L⁻¹

Std Value: 0.0048 mL · L⁻¹

*Date Run: 19 09 109

Analyst: CW

* 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: 2009-59

Station: Nochan

Event #: 12

Ship: T-14

UTC Date (dd|mmm|yyyy): 15 | Sep | 2009

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	36	1322	4.150	6-5	✓ 206									
2	37	1373	4.117	175	✓ 176									
3	38	1146	4.14	150	✓ 150									* failed integrity
4	39	13816	4.135	125	✓ 125									
5	40	1414	4.132	100	✓ 100.6									
6	41	1631	4.104	75	✓ 75									
7	42			50	✓ 50									* Bot 7 didn't top
8	43	1326	4.1022	30	✓ 30									
9	44A	1123	4.1018	20	✓ 20.6	2								
10	45	1380	4.124	10	✓ 10	1								
11	46	1144	4.113	0	✓ 2.3									
12														
13	44B	1411	4.1022	20	✓ 20.6									
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR/cw

Bottom Depth: 211 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0102	0602
Bottom	0108	0600
End	0123	

Positional Information

Start

Lat: 50 ° 22 186 N

Lon: 125 ° 21 170 W

Bottom

Lat: 50 ° 22 152 N

Lon: 125 ° 21 232 W

End

Lat: 50 ° 22 031 N

Lon: 125 ° 21 479 W

Oxygen Info For This Cast

Blank Value: 0.92 mL * L⁻¹

Std Value: 0.0045 mL * L⁻¹

*Date Run: 19 | 09 | 09

Analyst: W

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

In Brown case

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59

Station: 121

Event #: 16

Ship: Tully

UTC Date (dd|mmm|yyyy): 19 | Sep | 2009

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	47	2065	4.153	5-5	☒											
2	48	2088	4.107	200	☒											
3	49	3194	4.143	175	☒											
4	50	2061	4.156	150												
5	51	3177	4.145	125												
6	52	3154	4.125	100												
7	53a	3133	4.137	75												
8	54	2089	4.129	50												
9	55	471	4.156	30												
10	56	1490	4.137	20												
11	57	2068	4.10	10												
12	58	2082	4.151	0												
13																
14	53b	3158	4.146	175												
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR

Bottom Depth: 262 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1054	
Bottom	1101	
End	1120	

Positional Information

Start
Lat: 50° 22.562 N
Lon: 125° 35.474 WBottom
Lat: 50° 22.505 N
Lon: 125° 35.478 WEnd
Lat: 50° 22.338 N
Lon: 125° 35. W

Oxygen Info For This Cast

Blank Value: 0.72 mL * L⁻¹Std Value: 0.0045 mL * L⁻¹

*Date Run: 19 | 09 | 09

Analyst:

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

Stored without MQ on top

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59 Station: LG02 Event #: 0019 Ship: Tully UTC Date (dd|mmm|yyyy): 22|09|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	59	1491	1.612	5-5	☒ 93	1										
2	60	1395	1.938	75	☒ 75	1										
3	61	690	3.384	50	☒ 50	1										
4	62	1488	4.509	30	☒ 30	1										
5	63a	1318	5.641	20	☒ 20	2										
6	64	1213	6.132	10	☒ 10	1										97.5% colourim.
7	65	1408	6.338	0	☒ 2	1										
8																
9																
10																
11	63b	1180	5.66	20												
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SK/cw

Bottom Depth: 99 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	0319	
Bottom	0324	
End	0332	

Positional Information

Start

Lat: 49 ° 18.696 N

Lon: 126 ° 38.140 W

Bottom

Lat: 49 ° 18.694 N

Lon: 126 ° 38.152 W

End

Lat: 49 ° 18.692 N

Lon: 126 ° 38.156 W

Oxygen Info For This Cast

Blank Value: 0.72 mL • L⁻¹

Std Value: 0.0045 mL • L⁻¹

*Date Run: 22 | 09 | 09

Analyst: cw

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

ignore the first 0060 file = mistake.

Also there is a typo in the coordinates - not 059 lat it should be 049.

Water Properties Group

Rosette Log

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

Cruise ID: 2005-59

Station: L604

Event #: 21

Ship: T-114

UTC Date (dd|mmm|yyyy): 22 | Sep | 2005

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	66	1218	1.397	65	140	1								* See below
2	67	1316	1.496	125	125	1								
3	68	1393	2.794	100	100	1								
4	69A	1402	3.732	75	75	2								
5	70	1401	3.263	50	50	1								
6	71	1392	3.998	30	30	1								
7	72	1377	5.276	20	20	1								
8	73	1313	5.779	10	10	1								
9	74	1300	5.954	0	2	1								
10														
11	69B	2019	3.745	75										95.7%
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SM/LP

Bottom Depth: 145 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0504	
Bottom	0510	
End	0520	

Positional Information

Start Lat: 49 ° 11.288 N
Lon: 126 ° 49.392 W

Bottom Lat: 49 ° 11.300 N
Lon: 126 ° 49.364 W

End Lat: 49 ° 11.317 N
Lon: 126 ° 49.361 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹
Std Value: 0.0045 mL · L⁻¹
*Date Run: 22 | 09 | 09
Analyst: CW

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

* had to abort the first titration - the program froze up and wouldn't start the dosimod
2nd attempt discharged 0.002ml this and froze again - restarted computer = worked

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59

Station: L606

Event #: 23

Ship: Tully

UTC Date (dd|mmm|yyyy): 22 | Sep | 2009

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	75	1247	0.178	5-5	☒ 960	1										
2	76A	1400	0.224	750	☒	2										
3	78	1209	0.687	500	☒											
4	78	2020	0.938	400	☒											
5	77	1384	1.486	300	☒											
6	80	1406	1.840	250	☒											
7	81			200	☒											#7 didn't fire. Will replace trip mech.
8	82	1373	2.965	175	☒											
9	83	1146	3.573	150	☒											
10	84	1386	3.786	125	☒											
11	85	1414	3.293	100	☒											
12	86	631	3.935	75	☒											
13	87	1397	3.421	50	☒											
14	88	1326	3.812	30	☒											
15	89	1123	5.047	20	☒											
16	90	1411	6.086	10	☒											
17	91	1380	6.168	0	☒											
18																
19	76B	1175	0.230													
20																
21																
22																
23																
24																

Watchkeeper(s): S. Rose

Bottom Depth: 970 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0715	
Bottom	0744	
End	0823	

Positional Information

Start

Lat: 49 ° 3.43 N

Lon: 127 ° 1.09 W

Bottom

Lat: 49 ° 3.42 N

Lon: 127 ° 1.19 W

End

Lat: 49 ° 3.38 N

Lon: 127 ° 1.25 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹

Std Value: 0.0045 mL · L⁻¹

*Date Run: 22 | 09 | 09

Analyst: cw

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

Orange box

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59

Station: EFF 12

Event #: 29

Ship: Tully

UTC Date (dd|mmm|yyyy): SEP | 2009

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	92	1298	1.203	B-5	☒	↓								
2	93	1316	1.49	75	☒	↓								
3	94a	1393	2.643	50	☒	2								
4	95	2019	3.905	30	☒	↓								
5	96	1401	4.411	20										
6	97	1392	4.822	10										
7	99	1377	6.579	0		↓								
8														
9														
10	94b	1402	2.615											96.8% ? but replicate decent
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 95 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1053	
Bottom	1055	
End	1103	

Positional Information
Start
Lat: 48 ° 57.98 N
Lon: 125 ° 10.45 W

Bottom
Lat: 48 ° 57.98 N
Lon: 125 ° 10.45 W

End
Lat: 48 ° 58.00 N
Lon: 125 ° 10.45 W

Oxygen Info For This Cast
Blank Value: 0.72 mL · L⁻¹
Std Value: 0.045 mL · L⁻¹
*Date Run: 23109109
Analyst: GW

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

In the DO log this says event 24 it is 29

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59 Station: EFF01 Event #: 0030 Ship: Tully UTC Date (dd|mmm|yyyy): 23|09|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	100A	2065	5.405	BOT-5	28	2										*
2	101	394	5.342	20	20											Spisot open
3	102	2061	5.647	10	10											
4	103			0	3											DNT
5																
1	100B	2088	5.209	BOT-5												
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 82

Bottom Depth: 35 32m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1903	
Bottom	1907	
End	1911	

Positional Information

Start Lat: 49 ° 5.566 N
Lon: 125 ° 11.723 W

Bottom Lat: 49 ° 5.566 N
Lon: 125 ° 11.722 W

End Lat: 49 ° 5.567 N
Lon: 125 ° 11.720 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹
Std Value: 0.0045 mL · L⁻¹
*Date Run: 24|09|09
Analyst: CS

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

One 100A had to exit entire program. (not just close the titration window) dosimat part dropped out - restart computer - couldn't get the dosimat back - had to cut power to everything and start over.

Water Properties Group

Rosette Log

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

Cruise ID: 2005-59

Station: EPR03

Event #: 0032

Ship: Tully

UTC Date (dd|mmm|yyyy): 23 | Sep | 2005

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	Particulates				
1	110	2082	Ø	5-5	/ 117	1					x				Started @ 99.20% - already done
2	111	2040	0.020	75	/ 75						x				Started @ 95.7
3	112A	2090	1.006	50	/ 50	2									
4	113	3190	3.880	30	/ 30	1									
5	114	2073	4.191	20	/ 20	1									
6	115	3108	4.152	10	/ 10	1									
7	116	3151	6.014	0	/ 0	1									
8															
9	112b	2007	0.999	50	/										* part comm
10															dropped out after
11															112b - just
12															needed to wait proper
13															but caused a summary
14															file error
15															
16															
17															
18															
19															
20	* this sample was completely anoxic - program couldn't detect														
21	transm. change														
22															
23															
24															

Watchkeeper(s): sn

Bottom Depth: 115 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	20 11	
Bottom	20 18	
End	20 26	

Positional Information

Start

Lat: 49 ° 4.276 N

Lon: 125 ° 9.410 W

Bottom

Lat: 49 ° 4.275 N

Lon: 125 ° 9.406 W

End

Lat: 49 ° 4.282 N

Lon: 125 ° 9.400 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹

Std Value: 0.0045 mL · L⁻¹

*Date Run: 24 | 09 | 09

Analyst: CW

* 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: 2009-59 Station: EPPP04 Event #: 0033 Ship: Tully UTC Date (dd|mmm|yyyy): 23 | Sep | 2009

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	117	708	2.727	5-5	/ 50	1								
2	118	2054	3.463	30	/ 30	1								*comm port drop out
3	119	3033	3.996	20	/ 20	1								after this one - exit
4	120A	2000	4.023	10	/ 10	2		9690						Summary file error.
5	121	1316	7.807	0	/ 2	1								
6														
7	120B	1298	4.030	10	/									comp port drop out again for 120B
8														= quit program
9														- summary file = no
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): 82

Bottom Depth: 56 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2050	
Bottom	2054	
End	2059	

Positional Information

Start

Lat: 49 ° 3.142 N

Lon: 125 ° 8.560 W

Bottom

Lat: 49 ° 3.140 N

Lon: 125 ° 8.554 W

End

Lat: 49 ° 3.140 N

Lon: 125 ° 8.551 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹

Std Value: 0.0045 mL · L⁻¹

*Date Run: 24 | Sep | 09

Analyst: CW

* 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: 2009-59

Station: EFP05

Event #: 0034

Ship: Tully

UTC Date (dd|mmm|yyyy): 23 | Sep | 2009

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	122	1393	0.66425	6-5	150									97.6%
2	123	1402	1.049	175	175									99.8
3	124	2019	1.008	150	150									99.9
4	125	1401	0.998	125	125									99.3
5	126A	1342	0.785	100	100	2								97.5
6	127	1377	0.748	75	75	1								* 99.5
7	128	1300	1.948	50	50									98.8
8	129	1314	3.615	30	30									
9	130	3160	4.034	20	20									99.7
10	131	1491	4.006	10	10									98.9
11	132	1318	5.391	0	2									98.6
12														
13	126B	1313	0.981	100										* 99.7
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

* O₂ is entered 127 instead of 126B needs to be subtracted reverse the 2 values!

Watchkeeper(s): SR

Bottom Depth: 203 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2113	
Bottom	2121	
End	2132	

Positional Information

Start Lat: 49 ° 2.567 N
Lon: 125 ° 9.133 W

Bottom Lat: 49 ° 2.570 N
Lon: 125 ° 9.166 W

End Lat: 49 ° 2.569 N
Lon: 125 ° 9.168 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹

Std Value: 0.0045 mL · L⁻¹

*Date Run: 24 | 09 | 09

Analyst: SR

* 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: 2009-59Station: EFF06Event #: 0035Ship: TullyUTC Date (dd|mmm|yyyy): 24 | sep | 2009

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	133	690	0.761	6-5	✓ 151									90.3
2	134	1395	0.859	125	✓									double titers → top 98.2
3	135	1488	0.813	100	✓									100%
4	136	1180	1.026	75 *	✓ 77									000% 00%
5	137	1213	2.238	50	✓									
6	138	1403	3.429	30	✓									
7	139A	1389	3.992	20	✓ 22	2								top point taken
8	140	1307	4.010	10	✓	1								
9	141	1248	6.820	0	✓									
10														
11	139B	1338	3 XX	20										70%
12														↓
13														program crashed
14														dos 0.74
15														trans 100%
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR / CWBottom Depth: 157 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	0100	
Bottom	0105	
End	0116	

Positional Information

Start
Lat: 49 ° 1.805 N
Lon: 125 ° 9.190 WBottom
Lat: 49 ° 1.805 N
Lon: 125 ° 9.191 WEnd
Lat: 49 ° 1.806 N
Lon: 125 ° 9.190 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹Std Value: 0.0045 mL · L⁻¹*Date Run: 24 109 09Analyst: SR

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

* Winch operator doesn't have a CTD screen - only digital readout

Water Properties Group

Rosette Log

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

Cruise ID: 2009-59 Station: EFFF07 Event #: 0036 Ship: Tully UTC Date (dd|mmm|yyyy): 24 Sep | 2009

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	142	611	0.824	6-5	☒ 117	1										
2	143	620	0.966	75	☒	1										
3	144	621	2.309	50	☒	1										the endpoint might want to move forward.
4	145	638	3.52	30	☒	1										
5	146A	639	3.959	20	☒	2										
6	147	712	4.064	10	☒	1										
7	148	715	6.249	0	☒	1										
8																
9	146B	657	3.944	20	☒											put comm dropout = quit program
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SP (CW)

Bottom Depth: 120 m
Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0136	
Bottom	0142	
End	0147	

Start	Positional Information	
	Lat: 49 ° 1.247 N	Lon: 125 ° 9.406 W
Bottom	Lat: 49 ° 1.25 N	Lon: 125 ° 9.416 W
	Lat: 49 ° 1.253 N	Lon: 125 ° 9.425 W

Oxygen Info For This Cast
Blank Value: 0.72 mL • L⁻¹
Std Value: 0.0045 mL • L⁻¹
*Date Run: 24 | 09 | 09
Analyst: CW
* 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: 2009-59 Station: EFF08 Event #: 0637 Ship: Tully UTC Date (dd|mmm|yyyy): 24 | sep | 2009

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	149A	1105	0.857	6-5	✓ 82	2										
2	150	1321	2.20	50	✓											
3	151	1333	(?)	30	✓											1.145ml + H ₂ O
4	152	1374	3.937	20	✓											
5	153	1174	4.128	10	✓											
6	154	1487	6.4165	0	✓											
7																
8	149B	1301	0.884	6-5	✓ 82											
9																
10																
11																
12																
13		Something went really wrong with the colorimeter - it just stopped reading after 36% even though the solution is clear? perhaps can use this volume to get proper value?														
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SK/cw

Bottom Depth: 87 m

Transmisso Cleaned: (Y) N

	Time	UTC	Local
Start		0206	
Bottom		0208	
End		0215	

Positional Information

Start Lat: 49 ° 0.66 N
Lon: 125 ° 10.71 W

Start

Bottom Lat: 49 ° 0.66 N
Lon: 125 ° 10.207 W

Bottom

End Lat: 49 ° 0.656 N
Lon: 125 ° 10.208 W

End

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹
Std Value: 0.0045 mL · L⁻¹
*Date Run: 24 | sep | 09
Analyst: cw

* 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: 2005-59 Station: EFF09 Event #: 0038 Ship: Tilly UTC Date (dd|mmm|yyyy): 24 | 09 | 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*	155	1368	1.904	6.5	☒	56.6	1									* comm part dropped out after titration completed
2	156	647	3.965	30	☒		1									
* 3	157A	700	3.964	20	☒		2									* data above.
4	158	1327	4.112	10	☒		1									
5	159	1367	7.667	0												
6																
7	157B	1302	3.954	20	☒											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR / CW

Bottom Depth: 61 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0245	
Bottom	0246	
End	0252	

Positional Information

Start Lat: 49 ° 0.108 N
Lon: 125 ° 10.840 W

Bottom Lat: 49 ° 0.108 N
Lon: 125 ° 10.840 W

End Lat: 49 ° 0.106 N
Lon: 125 ° 10.870 W

Oxygen Info For This Cast

Blank Value: 0.72 mL * L⁻¹
Std Value: 0.0045 mL * L⁻¹
*Date Run: 24 | 09 | 09
Analyst: CW

* 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: 2009-59 Station: EFFF0 Event #: 0039 Ship: Tully UTC Date (dd|mmm|yyyy): 24|Sept|2009

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	160	1247	0.394	5-5	☒ 95	1										
2	161	1400	1.356	75	☒ 75											
3	162	1175	2.998	50	☒ 50											
4	163	1209	3.823	30	☒ 30											
5	164	2020	3.972	20	☒ 20											
6	165A	1384	4.114	10	☒ 10	2										
7	166	1322	6.977	0	☒ 2	1										
8																
9	165B	1406	4.087	10												
10																
11																
12																
13																
14	had to restart computer - it got "stuck" verifying the data stream															
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SM/LP

Bottom Depth: 100 m
Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0308	
Bottom	0314	
End	0321	

Positional Information		
Start	Lat: 48 ° 59.840	N
	Lon: 125 ° 11.196	W
▼		
Bottom	Lat: 48 ° 59.840	N
	Lon: 125 ° 11.195	W
▼		
End	Lat: 48 ° 59.842	N
	Lon: 125 ° 11.196	W

Oxygen Info For This Cast
Blank Value: 0.72 mL • L⁻¹
Std Value: 0.0045 mL • L⁻¹
*Date Run: 24 | 09 | 09
Analyst: CW

* 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: 2009-59 Station: EFF11 Event #: 0040 Ship: Tully UTC Date (dd|mmm|yyyy): 24 | Sept | 2009

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	167	1373	1.331	5-5	/ 79	1										
2	168A	1146	3.042	50	/ 50	2										
3	169	1414	3.874	30	/ 30	1										
4	170	631	3.976	20	/ 20											
5	171	1397	4.204	10	/ 10											
6	172	1326	5.720	0	/ 2											
7																
8	168B	1386	3.041	50												
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SN/LP

Bottom Depth: 84 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	0338	
Bottom	0342	
End	6348	

Positional Information

Start
Lat: 48 ° 59.117 N
Lon: 125 ° 11.058 W

Bottom
Lat: 48 ° 59.104 N
Lon: 125 ° 11.038 W

End
Lat: 48 ° 59.081 N
Lon: 125 ° 11.010 W

Oxygen Info For This Cast

Blank Value: 0.72 mL · L⁻¹
Std Value: 0.0045 mL · L⁻¹
*Date Run: 24/09/10
Analyst: CCW

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