

Water Properties Group

Rosette Log

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

Cruise ID: 2008-32 Station: LGO7 Event #: 002 Ship: Tully UTC Date (dd|mmm|yyyy): 28 | APR | 2008

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	639	7.568	bot-5	✓	1760	X										*bottle misfire -
2	2	638	1.056	1750	✓				X								surface H ₂ O sampled
3	3	657	0.740	1500	✓				X								duplicate: Sample 4999
4	4	647	0.542	1250	✓		*										Flask 700 - 0.237
5	5	690	0.252	1000	✓		X										
6	6	1138	0.223	800	✓												
7	7	712	0.341	600	✓												
8	8	715	1.009	400	✓												
9	9	1106	1.350	300	✓												
10	10	1105	1.236	250	✓												
11	11	1110	1.979	200	✓												
12	12	1158	2.241	175	✓												
13	13	1150	2.700	150	✓		X										Flask 1144 Put in as Sample 1
14	14	1487	3.245	125	✓												= 2.707 mL/L
15	15	1123	3.415	100	✓												
16	16	1213	5.657	75	✓												
17	17	1414	6.755	50	✓												
18	18	1180	7.074	30	✓												
19	19	1146	7.152	20	✓												
20	20	1176	7.303	10	✓												
21	21	1175	7.318	5	✓												
22	22	1174	7.361	1	✓												
23																	
24																	

Watchkeeper(s): JE/LP/SE

Bottom Depth: 1768 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0848	
Bottom	0914	
End	0958	

Positional Information

Start
Lat: 48 ° 59.47 N
Lon: 127 ° 07.12 W

Bottom
Lat: 48 ° 59.41 N
Lon: 127 ° 07.23 W

End
Lat: 48 ° 59.40 N
Lon: 127 ° 07.27 W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹
Std Value: .7 mL · L⁻¹
*Date Run: 28 | APR | 2008
Analyst: S. SLONIAN

* 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: 2008-32

Station: LG02

Event #: 5

Ship: Tully

UTC Date (dd|mmm|yyyy): 28 | 04 | 2008

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	690	2.900	B-5	97											
2	24	700	3.983	75	75											
3	25	647	5.376	50	50											
4	26	657	5.944	30	30											
5	27	638	7.131	20	20	*		✓								* duplicate DO
6	28	1110	7.336	10	10											Flask 639
7	29	1105	7.388	0	2.9											Sample 2777 = 7.120
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DS/TJ/SS

Bottom Depth: 100 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2120	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 18.702 N

Lon: 126 ° 38.18 W

Bottom

Lat: 49 ° 18.733 N

Lon: 126 ° 38.225 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: 2008-32 Station: LG04 Event #: 007 Ship: Tully UTC Date (dd|mmm|yyyy): 28 | APR | 2008

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	30	639	2.063	Bot-5	✓ 135											
2	31	638	2.078	125	✓											
3	32	657	3.563	100	✓	✓										
33 4	34 700	700	5.941	75	✓											(= 3.561 mL/L Duplicate)
5	34 690	690	6.713	50	✓											Flash 647
6	35	1105	6.967	30	✓											Sample 343 3222
7	36	712	7.096	20	✓											
8	37	715	7.077	10	✓											
9	38	1106	7.055	1	✓											
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): TJ, JE, JZ

Bottom Depth: 144 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2311	
Bottom	2314	
End	2324	

Positional Information

Start

Lat: 49 ° 11.29 N

Lon: 126 ° 49.39 W

Bottom

Lat: 49 ° 11.30 N

Lon: 126 ° 49.40 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: 2008-32

Station: LG05

Event #: 008

Ship: TULLY

UTC Date (dd|mmm|yyyy): 29 | 04 | 2008

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	39			30-5	☒ 215	☒										bottom of bottle open?
2	40	1158	7.807	200	☒											No sample taken
3	41	1150	2.208	175	☒											
4	42	1144	2.416	150	☒											
5	43	1487	3.056	125	☒											
6	44	1123	4.593	100	☒											
7	45	1213	6.833	75	☒											
8	46	1414	6.941	50	☒											
9	47	1180	7.056	30	☒											Flask Sample 4888
10	48	1146	7.196	20	☒	☒										1176 = 7.122
11	49	1174	7.051	10	☒											62 values reversed
12	50	1175	7.122	1	☒ 2.3	☒										
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): TJ/JE/JZ

Bottom Depth: 222 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	0007	
Bottom	0011	
End	0024	

Positional Information

Start Lat: 49 ° 08 04 N

Lon: 126 ° 54.34 W

Bottom Lat: 49 ° 08 04 N

Lon: 126 ° 54.35 W

End Lat: 49 ° N

Lon: 126 ° 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: 2008-32

Station: LC10

Event #: 010

Ship: Tully

UTC Date (dd|mmm|yyyy): 29 | APR | 2008

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	51	690	0.433	6-5	✓ 1240											
2	52	700	0.262	1000	✓											
3	53	647	0.234	800	✓			X								
4	54	657	0.340	600	✓											
5	55	638	0.948	400	✓											
6	56	639	1.395	300	✓											
7	57	110	1.973	250	✓											
8	58	1106	1.969	200	✓											
9	59	715	2.150	175	✓	X										O ₂ Sample 5999 Dupl = Flask 1105
10	60	712	2.306	150	✓											2.155 mL/L
11	61	1223	2.472	125	✓											
12	62	1123	2.994	100	✓											
13	63	1487	5.117	75	✓											
14	64	1144	6.747	50	✓	X										O ₂ Sample 6999 Dupl Flask 1150 = 6.722 mL/L (check ↑)
15	65	1158	6.511	30	✓											
16	66	1174	7.212	20	✓											
17	67	1175	7.490	10	✓											
18	68	1176	7.605	1												little bubble in flask
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JE/LPI/SZ

Bottom Depth: 1236 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0732	
Bottom	0751	
End	0822	

Positional Information

Start Lat: 48 ° 22.45 N
Lon: 126 ° 20.18 W

Bottom Lat: 48 ° 22.42 N
Lon: 126 ° 20.14 W

End Lat: 48 ° 22.41 N
Lon: 126 ° 20.28 W

Oxygen Info For This Cast

Blank Value: 004 mL · L⁻¹

Std Value: 728 mL · L⁻¹

*Date Run: 27 | APR | 2008

Analyst: S. CLUMMIN

* 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: 2008-32

Station: LC08

Event #: 012

Ship: TULLY

UTC Date (dd|mmm|yyyy): 29 | 04 | 2008

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	69	76	2.843	30.5	☒ 196	☒								bottle mistrip? high O ₂ value
2	70	632	1.655	175	☒	☒		☒						
3	71	329	2.052	150	☒	☒								
4	72	425	2.291	125	☒	☒								
5	73	439	2.395	100	☒	☒								
6	74	371	3.158	75	☒	☒								Sample 7999 Flask 456 = 3.167
7	75	462	5.345	50	☒	☒								
8	76	471	6.272	30	☒	☒								
9	77			20	☒	☒								came up tripped but empty.
10	78	2040	7.749	10	☒	☒								
11	79	557	7.704	1	☒	☒								
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s):
JE/LPI/JE

Bottom Depth: 199 m

Transmissio Cleaned: ☒ / N

Time	UTC	Local
Start	1017	
Bottom	1020	
End	1630	

Positional Information

Start

Lat: 48 ° 29.43 N

Lon: 126 ° 07.10 W

Bottom

Lat: 48 ° 29.43 N

Lon: 126 ° 07.10 W

End

Lat: 48 ° 29.45 N

Lon: 126 ° 07.11 W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹

Std Value: .728 mL · L⁻¹

*Date Run: 27 | APR | 08

Analyst: S. SLAMANN

* 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: 2008-32

Station: LD10

Event #: 015

Ship: TULLY

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	80	76	0.607	Bo-5	✓	1474	✓									
2	81	632	0.596	Bo-5	✓	1474		✓								
3	82	329	0.357	1250	✓			✓								
4	83	425	0.239	1000	✓											Duplicate
5	84	439	0.201	800	✓		✓									Flask 371, Sample #
6	85	456	0.328	600	✓											8444 = 0.195
7	86	462	0.875	400	✓											
8	87	547	1.210	300	✓											
9	88	471	0.556	250	✓											? Dupl
10	89	557	1.783	200	✓		✓									Flask 2040
11	90	559	1.902	175	✓											Sample 8999 = 1.769
12	91	575	2.109	150	✓											
13	92	586	2.635	125	✓											
14	93	589	3.362	100	✓											
15	94	604	4.390	75	✓											
16	95	605	6.226	50	✓											
17	96	611	6.256	30	✓											
18	97	620	7.062	20	✓											
19	98	621	7.397	10	✓											huge O ₂ dropped in
20	99	622	7.438	1			✓									oxy flask!
21																
22																
23																
24																

Watchkeeper(s):
JE/DS/32

Bottom Depth: 1465 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0050	
Bottom	0113	
End	0148	

Positional Information

Start

Lat: 48 ° 32.21 N

Lon: 126 ° 35.58 W

Bottom

Lat: 48 ° 32.29 N

Lon: 126 ° 36.61 W

End

Lat: 48 ° 32.31 N

Lon: 126 ° 36.58 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: 2008-32 Station: LD08 Event #: 17 Ship: Tully UTC Date (dd|mmm|yyyy): 30 | APR | 2008

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	100	690	0.277	6-5	✓ 769											
2	101	647	0.283	6-5	✓ 769											
3	102	700	0.412	600	✓											
4	103	638	0.769	400	✓											
5	104	657	1.076	300	✓											
6	105	639	1.312	250	✓											
7	106			200	✓											
8	107	1106	1.832	175	✓	X										Didn't kip.
9	108	712	2.156	150	✓											1.859 Flask 715
10	109	1105	2.690	125	✓											Sample 1079
11	110	1223	3.194	100	✓											
12	111	1123	5.466	75	✓	X		X								Flask 1144 - Sample
13	112	1487	6.581	50	✓											111999 = 5.450
14	113	1158	6.670	30	✓ 22											
15	114	1150	6.888	20	✓ 25											
16	115	1174	7.114	10	✓ 20											I double-clicked
17	116	1175	7.814	1	✓ 10											
18	117	1176	7.865	1	✓ 1											(took an extra)
19																
20																
21																
22																
23																
24																

Watchkeeper(s): ST /SR /R

Bottom Depth: 775 m

Transmissio Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	<u>0352</u>	
Bottom	<u>0405</u>	
End		

Positional Information

Start

Lat: 48 ° 39.16 N

Lon: 126 ° 23.37 W

Bottom

Lat: 48 ° 39.15 N

Lon: 126 ° 23.38 W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.004 mL · L⁻¹

Std Value: 0.727 mL · L⁻¹

*Date Run: 30 APR 08

Analyst: S. SLOMAN

* 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: 2008-32

Station: LD6

Event #: 019

Ship: TULLY

UTC Date (dd|mmm|yyyy): 30 | APR | 2008

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	118	1333	1.804	6-5	✓ 134	x										
2	119	1306	1.916	6-5	✓ 134			x								(wrong flask #)
3	120	1301	2.005	125	✓											
4	121	1302	2.217	100	✓											
5	122	1305	4.614	75	✓	x										Flask 1306 Sample
6	123	1307	6.189	50	✓											1229 = 4.625 mL/L
7	124			30	✓											
8	125	1313	7.220	20	✓											
9	126			10												
10	127	1123	7.252	1												
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SS/SP

Bottom Depth: 137 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		0618	
Bottom			
End			

Positional Information

Start

Lat: 48 ° 46.17 N

Lon: 126 ° 10.16 W

Bottom

Lat: 48 ° 46.19 N

Lon: 126 ° 10.11 W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹

Std Value: .727 mL · L⁻¹

*Date Run: 30 | APR | 2008

Analyst: SS/SP

* 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: 2008-32

Station: LD04

Event #: 021

Ship: TULLY

UTC Date (dd|mmm|yyyy): 30 | APR | 2008

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	128	1150	4.145	Bo-5	☒ 58	☒										
2	129	1175	4.159	Bo-5	☒ 58	☒										Flask 1176 Sample
3	130	1146	4.097	50X	☒											1299 = 4.152
4	131	1180	4.657	30	☒											* check depth in oxy file
5	132			20	☒											Bottle 5 closed in air
6	133	1213	7.815	10	☒											
7	134	1487	8.027	1	☒	☒										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JE/LP/JZ

Bottom Depth: 63 m

Transmisso Cleaned: ☒ N

	Time	UTC	Local
Start		0803	
Bottom		0806	
End		0810	

Positional Information

Start

Lat: 48 ° 53.12 N

Lon: 125 ° 56.98 W

Bottom

Lat: 48 ° 53.15 N

Lon: 125 ° 56.98 W

End

Lat: 48 ° 53.17 N

Lon: 125 ° 56.96 W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹

Std Value: .727 mL · L⁻¹

*Date Run: 30 | APR |

Analyst: S.S.

* 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: 2008-32

Station: LD02

Event #: 023

Ship: TULLY

UTC Date (dd|mmm|yyyy): 30 | APR | 2008

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	135	1144	4.546	B ₀₋₅	☒ 38	✓										
2	136	2020	4.335	B ₀₋₅	☒ 38	✓										
3	137	1315	4.733	30	☒	✓										
4	138	1318	7.474	20	☒	✓										Dupl Flask 1317
5	139	1319	8.069	10	☒	✓										Sample 1389 = 7.446
6	140	1320	8.060	1	☒	✓										(check depths)
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JE/JP/JE

Bottom Depth: 43 m

Transmisso Cleaned: ☒ / ☒ N

Time	UTC	Local
Start	0923	
Bottom	0925	
End	0929	

Positional Information

Start
 Lat: 48 ° 58.33 N
 Lon: 125 ° 47.08 W

Bottom
 Lat: 48 ° 58.34 N
 Lon: 125 ° 47.09 W

End
 Lat: 48 ° 58.35 N
 Lon: 125 ° 47.10 W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹
 Std Value: .727 mL · L⁻¹
 *Date Run: 30 | APR | 2008
 Analyst: C.S.

* 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: 2008-32

Station: FFF01

Event #: 25

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	141			B-5	30	1										No Sample
2	142	76	2.591	20	20	1		X								
3	143	329	9.220	10	10	1										
4	144	425	9.306	Surf	2.7	1										
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 34 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1922

Bottom 1924

End 1927

Positional Information

Start Lat: 49 ° 5.556 N

Lon: 125 ° 11.683 W

Bottom Lat: ° N

Lon: ° W

End Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.064 mL · L⁻¹

Std Value: 0.727 mL · L⁻¹

*Date Run: 30 | AP |

Analyst: S.S.

* 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: 2008-32

Station: EFO2

Event #: 26

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	145	371	1.676	B-5		65	1										
2	146	439	1.607	B-5		65	1										
3	147	456	1.842	60		50	1										
4	148	462	1.752	50		50	1										
5	149	547	2.289	30		30	1										
6	150	471	2.526	20		20	1										
7	151			10		10	1										
8	152	2040	10.549	5			1										
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s):

Bottom Depth: 69 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1950	
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: .004 mL · L⁻¹

Std Value: .727 mL · L⁻¹

*Date Run: 30 | APR |

Analyst: S.S.

* 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: 2008-32 Station: EF03 Event #: 27 Ship: Tully UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	153	559	0	0-5	115	1										2mab
2	154	575	0	0-5	115	1										
3	155	586	1.425	75	75			X								
4	156	589	2.217	50	50											
5	157	604	2.529	30	30											
6	158	605	3.053	20	20											
7	159			10	10											didn't fire
8	160	611	11.125	0	2.9											
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 117 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2024	
Bottom		
End		

Positional Information

Lat:	49 ° 4.267	N
Lon:	125 ° 9.400	W

Lat:	°	N
Lon:	°	W

Lat:	°	N
Lon:	°	W

Oxygen Info For This Cast

Blank Value:	.004	mL · L ⁻¹
Std Value:	.727	mL · L ⁻¹
*Date Run:	30 APR	
Analyst:	SS	

* 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: 2008-32

Station: EF04

Event #: 28

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | AP | 08

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	161	1413	3.353	B-5		48	1									
2	162	1418	2.804	B-5		48		X								
3	163	1421	3.220	30		30										
4	164	1427	3.987	20		20										(bubble on lens)
5	165	1428	4.820	10		10										
6	166	1426	10.682	5		2.8										
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DS TJ SR

Bottom Depth: 52 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2103	
Bottom		
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: 49 ° 3.121 N

Lon: 125 ° 8.554 W

Oxygen Info For This Cast

Blank Value: 0.004 mL · L⁻¹

Std Value: 0.727 mL · L⁻¹

*Date Run: 30 | AP |

Analyst: SS

* 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: 2008-32

Station: EF05

Event #: 29

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	1430	0	B-5	200	X										2 duplicates Flask 1429. Sample 1679 = 0 Flask 1433 Sample 1689 = 0.035 mL
2	168	1432	0.023	B-5	180	X										
3	169	1434	0.048	175	160			X								
4	170	1440	0.036	150	150											
5	171	1443	2.165	125	125											
6	172	1445	3.063	100	100											
7	173	1446	3.071	75	75											
8	174	1447	2.699	50	50											
9	175	1451	3.442	30	30											
10	176	1453	3.361	20	20											
11	177	1454	4.825	10	10											
12	178	1327	12.114	0	2.8											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DS TJ SR

Bottom Depth: _____ m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	2125	
Bottom		
End		

Positional Information

Start Lat: 49° 2.544 N
Lon: 125° 9.173 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: .004 mL • L⁻¹
Std Value: .727 mL • L⁻¹
*Date Run: 30 APR 08
Analyst: S. SLOMAN

* 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: 2008-32

Station: EF06

Event #: 30

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	179	705	1.679	B-5		151	x									duplo
2	180	1230	2.673	125		175										Flask 1247
3	181	1228	3.415	100		100	x	X								Sample 1799 = 1.680
4	182	1241	3.230	75		75										Sample # 1819
5	183	1268	2.819	50		50										Flask 1238 = 3.428
6	184	1267	3.548	30		30										
7	185	1244	4.380	20		20										
8	186	1274	5.534	20		10										bubble on lens
9	187	1271	11.624	10		2.7										
10	188			0												forgot to trip
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 201 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: 004 mL · L⁻¹

Std Value: .727 mL · L⁻¹

*Date Run: 30 | AP | 08

Analyst: S. SLOMAN

* 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: 2008-32

Station: EF07

Event #: 31

Ship: Tully

UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	189	1424	3.261	B-5	115											Sample 1899 = 3.262
2	190	1279	3.543	100	100			X								Flask 1278
3	191	1280	3.315	75	75											
4	192	1281	3.023	50	50											
5	193	1282	3.817	30	30											
6	194	1288	4.242	20	20											bubble on lens
7	195	1293	6.172	10	10											
8	196	1486	9.850	0	2.7											
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 116 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2226	
Bottom		
End		

Positional Information
 Start
 Lat: 49 ° 1.231 N
 Lon: 125 ° 9.389 W

Bottom
 Lat: ° N
 Lon: ° W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast
 Blank Value: .004 mL · L⁻¹
 Std Value: .727 mL · L⁻¹
 *Date Run: 30 | APR | 08
 Analyst: S. SUMAN

* 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: 2008-32 Station: EF08 Event #: 32 Ship: Tully UTC Date (dd|mmm|yyyy): 30 | 04 | 2008

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	197	632	3.268	13-5	☒ 82	☒		☒								
21	198	76	3.273	75	☒	↓										Bot 3
2	198	329	3.286	50	☒	↓										199 = 2.883
4	200	371	3.977	30	☒	↓										check depths incomplete
5	201	439	4.638	20	☒	↓										
6	202	456	5.637	10	☒	↓										
7	203	462	10.717	0	☒	↓										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DSTJ SR

Bottom Depth: 85 m
Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2258	
Bottom	2301	
End	2308	

Positional Information
Start
Lat: 49 ° 00.68 N
Lon: 125 ° 10.21 W

Bottom
Lat: 49 ° 00.69 N
Lon: 125 ° 10.22 W

End
Lat: 49 ° 00.67 N
Lon: 125 ° 10.24 W

Oxygen Info For This Cast
Blank Value: 0.04 mL • L⁻¹
Std Value: 0.727 mL • L⁻¹
*Date Run: 30 May 08
Analyst: S. SLOMAN

* 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: 2008-32 Station: EFO9 Event #: 33 Ship: Tully UTC Date (dd|mmm|yyyy): 30|04|2008

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	204	547	3.319	B-5	☒ 59	☒										Flask 471
2	205	471	3.333	50	☒											Sample 2049 = 3.333 mL/L
3	206	557	3.115	30	☒											
4	207	2046	3.958	20	☒											
5	208	559	4.288	10	☒											
6	209	575	5.851	0	☒											
7			9.809													
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): TJ/SE/JZ

Bottom Depth: 62 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2322	
Bottom	2326	
End	2331	

Positional Information

Start

Lat: 49 ° 00.10 N

Lon: 125 ° 10.85 W

Bottom

Lat: 49 ° 00.09 N

Lon: 125 ° 10.87 W

End

Lat: 49 ° 00.07 N

Lon: 125 ° 10.91 W

Oxygen Info For This Cast

Blank Value: 0.04 mL · L⁻¹

Std Value: 0.727 mL · L⁻¹

*Date Run: 30 APR 08

Analyst: S. SLOMAN

* 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: 2008-32 Station: EF10 Event #: 34 Ship: Tully UTC Date (dd|mmm|yyyy): 30 | APR | 2008

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	210	589	3.388	30-5	☒ 96	☒		☒								
2	211	604	7.112	75	☒	☒										Floak 605
3	212	620	3.294	50	☒	☒										Sample # 2119 = 7.093
4	213	611	4.211	30	☒	☒										
5	214	621	4.999	20	☒	☒										
6	215	622	5.454	10	☒	☒										
7	216	631	9.591	1	☒	☒										
8																
9																
10																
11																
12																
13																(may have named this event 4 in oxy computer)
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): TJ/SE/JSZ

Bottom Depth: 100 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		2343	
Bottom		2345	
End		2353	

Positional Information

Start

Lat: 48 ° 59.84 N

Lon: 125 ° 11.20 W

Bottom

Lat: 48 ° 59.84 N

Lon: 125 ° 11.22 W

End

Lat: 48 ° 59.76 N

Lon: 125 ° 11.27 W

Oxygen Info For This Cast

Blank Value: 1004 mL · L⁻¹

Std Value: 727 mL · L⁻¹

*Date Run: 30 | APR | 08

Analyst: S. SLOMAN

* 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: 2008-32 Station: EF11 Event #: 35 Ship: TULLY UTC Date (dd|mmm|yyyy): 01 | MAY | 2008

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	217	1413	3.624	B-5	✓	79	✓										
2	218	1418	3.568	50	✓		↓										
3	219	1421	4.759	30	✓		↓										
4	220	1427	5.041	20	✓		↓										
5	221	1428	5.760	10	✓		↓										
6	222	1426	9.693	1	✓		↓										
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): TJ/IE/JE

Bottom Depth: 83 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0032	
Bottom	0034	
End	0040	

Positional Information
Start
Lat: 48 ° 59.11 N
Lon: 125 ° 11.04 W

Bottom
Lat: 48 ° 59.10 N
Lon: 125 ° 11.02 W

End
Lat: 48 ° 59.09 N
Lon: 125 ° 11.01 W

Oxygen Info For This Cast
Blank Value: .004 mL · L⁻¹
Std Value: .727 mL · L⁻¹
*Date Run: 30 | AP | 2008
Analyst: S. S. LEMANN

* 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: 2008-32 Station: EF12 Event #: 36 Ship: TULLY UTC Date (dd|mmm|yyyy): 01 | MAY | 2008

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	223	1429	3.698	Bo-5	☒ 88	☒		☒								
2	224	1430	3.554	75	☒	☒										
3	225	1433	3.862	50	☒	☒										
4	226	1432	4.804	30	☒	☒										Flask 1434 Sample
5	227	1440	5.117	20	☒	☒										# 2269 = 4.791
6	228	1443	6.604	10	☒	☒										
7	229	1445	9.376	1	☒	☒										
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SE/DS/SE

Bottom Depth: 93 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0117	
Bottom	0120	
End	0126	

Positional Information

Start

Lat: 48 ° 57.98 N

Lon: 125 ° 10.52 W

Bottom

Lat: 48 ° 57.99 N

Lon: 125 ° 10.59 W

End

Lat: 48 ° 58.00 N

Lon: 125 ° 10.57 W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹

Std Value: .727 mL · L⁻¹

*Date Run: 30 | APR | 08

Analyst: S. SLOMAN

* 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: 2008-32

Station: EF13

Event #: 37

Ship: TULLY

UTC Date (dd|mmm|yyyy): 1 | MAY | 2008

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	230	1446	3.519	Bo-5	☒	97.97	☒									
2	231	1447	3.776	75	☒											
3	232	1451	4.499	50	☒											
4	233	1453	5.560	30	☒											
5	234	1454	7.192	20	☒											
6	235	1327	7.686	10	☒											
7	236	1329	9.211	1	☒											
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DS/SE/SZ

Bottom Depth: 103 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0146	
Bottom	0149	
End	0156	

Positional Information

Start

Lat: 48 ° 56.49 N

Lon: 125 ° 10.68 W

Bottom

Lat: 48 ° 56.45 N

Lon: 125 ° 10.62 W

End

Lat: 48 ° 56.39 N

Lon: 125 ° 10.51 W

Oxygen Info For This Cast

Blank Value: 1.004 mL · L⁻¹

Std Value: 727 mL · L⁻¹

*Date Run: 30 APR 08

Analyst: S. SLOMAN

* 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: 2008-22 Station: LC02 Event #: 39 Ship: Tully UTC Date (dd|mmm|yyyy): 01 | MAY | 2008

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	237	1150	3.338	6-5	☒ 105											hit bottom (touched)
2	238	647	3.318	100	☒			X								
3	239	700	3.707	75	☒											
4	240	638	4.481	50	☒											
5	241	657	5.817	30	☒	x										Flask 639 Sample
6	242	1110	6.725	20	☒											2419 = 5.870
7	243			10	☒											didn't fire (bubbles on lens)
8	244	715	7.811	1	☒											
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SS/SR/RF

Bottom Depth: 110 m

Transmissio Cleaned: ☒ Y / N

Time	UTC	Local
Start	0421	
Bottom	0421	
End		

Positional Information

Start Lat: 48 ° 48.71 N
Lon: 125 ° 30.89 W

Bottom Lat: 48 ° 48.75 N
Lon: 125 ° 30.91 W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: .004 mL · L⁻¹
Std Value: .727 mL · L⁻¹
*Date Run: 30 APR 08
Analyst: S. SLOMAN

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

(Did duplicate box for testing the new system).

Water Properties Group

Rosette Log

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

Cruise ID: 2008-32

Station: LC04

Event #: 41

Ship: Tully

UTC Date (dd|mmm|yyyy): 01 | MAY | 2008

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	245	712	3.201	b-5	☒	163	X									
2	246	1105	3.172	150	☒											
3	247	1223	3.210	125	☒			X								
4	248	1305	3.404	100	☒											
5	249	1302	4.068	75	☒	X										
6	250	1301	4.004	50	☒											
7	251			30	☒											
8	252	1306	7.821	20	☒											
9	253	1174	8.335	10	☒											
10	254	1309	8.331	0	☒											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR/SS/RF

Bottom Depth: 167 m

Transmisso Cleaned: ☒ Y ☐ N

	Time	UTC	Local
Start		<u>0559</u>	
Bottom			
End			

Positional Information

Start Lat: 48 ° 43.43 N
Lon: 125 ° 40.77 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 1004 mL · L⁻¹
Std Value: 727 mL · L⁻¹
*Date Run: 30 | APR | 08
Analyst: S. SLOMAN

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

Duplicates for new Brinkmann system

Water Properties Group

Rosette Log

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

Cruise ID: 2008-32

Station: 4606

Event #: 43

Ship: Tully

UTC Date (dd|mmm|yyyy): 1 | MAY | 2008

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	255	765	2.797	6-5	☒ 87	X										
2	256	1247	3.383	75	☒			X								
3	257	1230	5.649	50	☒											
4	258	1228	6.106	30	☒											
5	259	1238	6.698	20	☒											
6	260	1241	7.662	10	☒	X										
7	261	12687	7.629	0												
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JE/LP/SZ

Bottom Depth: 93 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0751	
Bottom		
End		

Positional Information

Start

Lat: 48 ° 36.44 N

Lon: 125 ° 54.09 W

Bottom

Lat: 48 ° 36.46 N

Lon: 125 ° 54.11 W

End

Lat: 48 ° 36.49 N

Lon: 125 ° 54.12 W

Oxygen Info For This Cast

Blank Value: .004 mL • L⁻¹

Std Value: .727 mL • L⁻¹

*Date Run: 30 | May | 2008

Analyst: _____

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