

Water Properties Group

Rosette Log

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

Cruise ID: 2010-20 Station: S1 Event #: 001 Ship: TULLY UTC Date (dd|mmm|yyyy): 23 JUN 2010

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	1490	2.014	100	☒	☒	☒							DEPTH AS 0.
2	2	1144	3.684	75	☒	☒	☒							
3	3	3181	4.106	50	☒	☒	☒							
4	4	2093	4.864	40	☒	☒	☒							
5	5	1487	5.131	30	☒	☒	☒							* SWAPPED CO ₂ INLET
6	6	2084	5.600	20	☒	☒	☒		✓	✓				PL 0.05
7	7	1180	6.303	10	☒	☒	☒		✓	✓				
8	8	1476	7.331	5	☒	☒	☒		✓	✓				* FIXED CO ₂ INLET
9	9	1365	7.912	SA		☒	☒		✓	✓				Hook up
10														
11	4	1321	5.104	40	☒									
12	5	1411	5.111	30										
13	5	1407	5.244	30										
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 176 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0230	1930
Bottom		
End		

Positional Information

Start
 Lat: 48 ° 39.40 N
 Lon: 123 ° 30.03 W

Bottom
 Lat: 48 ° 39.41 N
 Lon: 123 ° 30.03 W

End
 Lat: 48 ° 39. N
 Lon: 123 ° 30. W

Oxygen Info For This Cast

Blank Value: 00027 mL · L⁻¹
 Std Value: 07247 mL · L⁻¹
 *Date Run: 23 JUN 2010
 Analyst: CS

* 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: 2010-20

Station: 59

Event #: 3

Ship: Tully

UTC Date (dd|mmm|yyyy): 23 | Jun | 2010

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	10	1490	3.781	13-5	☒ 228									
2	11	1144	3.742	200	☒ 200			X						
3	12	3181	3.765	175	☒									
4	15	2099	3.802	150	☒									#4 stopper pulled out - fedore after all samples.
5	14	1321	3.848	125	☒									
6	15	1481	4.064	100	☒									
7	16	2084	4.191	75	☒									
8	17	1180	4.526	50	☒									
9	18	1476	4.613	40	☒	XX								
10	19	2086	4.737	30	☒		XX							stopper pulled out of one #10 bottle one sample redone after all samples
11	20	437	4.758	20	☒				XX	XX				
12	21	650	4.866	10	☒				XX	XX				
13	22	1387	5.113	5	☒									
14	23	1406	5.132	Surf	☒				XX	XX				No H2O Seal - had a bubble
15														
16	18	1365	4.591	46										Peegham Feore
17														MID-TITRATION
18														HAD NOT ADDED
19														Any THIO
20														
21														
22														
23														
24														

Watchkeeper(s): R+M+T

Bottom Depth: 230 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	07:03	00:03
Bottom	07:08	00:08
End	07:30	00:30

Positional Information

Lat: 48 ° 37.84 N

Lon: 123 ° 14.62 W

Start

Lat: 48 ° 37.80 N

Lon: 123 ° 14.57 W

Bottom

Lat: 48 ° 37.77 N

Lon: 123 ° 14.60 W

End

Oxygen Info For This Cast

Blank Value: 0.0027 mL • L⁻¹

Std Value: 0.7247 mL • L⁻¹

*Date Run: 23 JUN 2010

Analyst: CS

* 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: 2010-20

Station: 102

Event #: 007

Ship: Tully

UTC Date (dd|mmm|yyyy): 23 | 06 | 2010

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	24	3084	1.833	8-5	✓ 248	x	x							
2	25	3028	1.791	250	✓ 248			x						
3	26	1314	1.922	200	✓									
4	27	2007	2.135	175	✓									
5	28	3069	2.394	150	✓									offered color probe again → CHANGED
6	29	3108	2.405	125	✓									FILTER
7	30	3124	2.766	100	✓									
8	31	3126	3.203	75	✓									
9-10	32	2082	4.405	50	✓✓	↓	↓							
11	33	2180	4.233	40	✓	xx	↓							Bottle number 11
12	34	2099	4.224	30	✓		xx							12
13	35	3161	4.575	20	✓				xx	xx				leaking → 13
14	36	2055	5.187	10	✓				xx	xx				14
15	37	1498	5.464	5	✓									15
16	38	1477	5.480	surf		↓	↓		xx	xx				16
17	32	2013	4.159	50										
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): R + M + T

Bottom Depth: 248 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	18:00	11:00
Bottom	18:08	11:08
End	18:28	11:28

Positional Information

Lat: 48 ° 30.06 N

Lon: 124 ° 44.03 W

Lat: 48 ° 30.06 N

Lon: 124 ° 43.97 W

Lat: 48 ° 30.03 N

Lon: 124 ° 43.96 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 23 JUN 2010

Analyst: CS

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

ops... Broke 3161

Water Properties Group

Rosette Log

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

Cruise ID: 2010-20 Station: 75 Event #: 10 Ship: Tully UTC Date (dd|mmm|yyyy): 23 | JUN | 2010

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	1140	1.959	8-5	☒ 215	☒	☒							
2	40	1144	1.875	200	☒	☒	☒							
3	41	3181	1.921	175	☒	☒								
4	42	2099	2.141	150	☒	☒								
5	43	1321	2.154	125	☒	☒								
6	44	1461	2.462	100	☒	☒								
7	45	437	2.643	75	☒	☒								
8	46	2080	3.675	50	☒	☒								
9	47	1365	4.087	40	☒	☒								
10	48	1180	4.226	30	☒	☒			☒	☒				
11	49	2084	4.430	20	☒	☒			☒	☒				
12	50	1680	5.583	10	☒	☒				☒				
13	51	1387	5.922	5	☒	☒			☒	☒				
14	52	1406	5.930	surf	☒	☒			☒	☒	- according to sample #'s collected			
15														
16	47	1476	4.073	40	→ 1476 flask #									
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 221 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2133	1435
Bottom	2139	1439
End	2201	1539

Positional Information

Start

Lat: 48 ° 28.15 N

Lon: 124 ° 32.63 W

Bottom

Lat: 48 ° 28.16 N

Lon: 124 ° 32.61 W

End

Lat: 48 ° 28.19 N

Lon: 124 ° 32.56 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 23 JUN 2010

Analyst: CS.

* 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: 2010-20

Station: 72

Event #: 13

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | Jun | 2010

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	54	2040	0.861	bat-5	✓ 179	✓	✓									DOSIMAT NOT RESET FROM FLUSHING. REBOOTED PROGRAM!
2	55	1485	0.891	175	✓ 175	✓	✓	✓								
3	56	2059	1.946	150	✓	✓	✓									
4	57	3019	1.948	125	✓	✓	✓									
5	58	3201	2.449	100	✓	✓	✓									
6	59	3067	3.236	75	✓	✓	✓									
7	60	3190	3.899	50	✓	✓	✓	✓								
8	61	2085	4.046	40	✓	✓	✓									
9	62	2061	4.388	30	✓	✓	✓									
10	63	2049	4.704	20	✓	✓	✓	✓	✓	✓						
11	64	3047	5.203	10	✓	✓	✓	✓	✓	✓						
12	65	2047	5.430	5	✓	✓	✓	✓	✓	✓						
13	66	3090	5.569	0	✓	✓	✓	✓	✓	✓						
14																
15	57	3113	1.958	125												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): ELP/SR/DT

Bottom Depth: 185 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	0313	2013
Bottom	0316	2016
End		

Positional Information

Start

Lat: 48 ° 18.56 N

Lon: 124 ° 4.10 W

Bottom

Lat: 48 ° 18.54 N

Lon: 124 ° 4.12 W

End

Lat: 48 ° 18.46 N

Lon: 124 ° 4.36 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 24 | JUN | 2010

Analyst: CS

* 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: 2010-20

Station: 69

Event #: 16

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | Jun | 2010

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	68	2068	2.162	bot-5	☒ 173	☒	☒							1.81
2	69	3198	2.138	150	☒	☒	☒							1.80
3	70	2020	2.152	125	☒	☒	☒							1.81
4	71	3121	2.245	100	☒	☒	☒							1.88
5	72	2015	2.637	75	☒	☒	☒							2.25
6	73	3188	3.838	50	☒	☒	☒							3.18
7	74	2010	3.958	40	☒	☒	☒							3.47
8	75	2017	4.221	30	☒	☒	☒							3.77
9	76	3075	4.898	20	☒	☒	☒	☒	☒	☒				4.35
10	77	1490	5.191	10	☒	☒	☒	☒	☒	☒				4.58
11	78	1144	5.228	5	☒	☒	☒	☒	☒	☒				4.65
12	79	3181	5.237	0	☒	☒	☒	☒	☒	☒				4.66
13														
14	68	3151	2.144	173										
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR, M, T

Bottom Depth: 178 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	07:12	00:12
Bottom	07:16	00:16
End	07:31	00:31

Positional Information

Start

Lat: 48° 15.56 N

Lon: 123° 43.04 W

Bottom

Lat: 48° 15.54 N

Lon: 123° 43.10 W

End

Lat: 48° 15.57 N

Lon: 123° 43.18 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7422 mL · L⁻¹

*Date Run: 24 Jun 2010

Analyst: CS

* 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: 2010-20

Station: ADCP

Event #: 19

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | June | 2010

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	80	2099	2.632	bot-5	✓ 115	✓	✓										
2	81	1481	2.628	100	✓	✓	✓	✓									
3	82	2084	2.751	75	✓	✓	✓										
4	83	1180	3.992	50	✓	✓	✓										
5	84	1476	4.079	40	✓	✓	✓										
6	85	1365	4.306	30	✓	✓	✓										
7	86	2086	4.804	20	✓	✓	✓		✓	✓							
8	87	437	5.157	10	✓	✓	✓		✓	✓							
9	88	650	5.206	5	✓	✓	✓										
10	89	1387	5.488	0	✓	✓	✓		✓	✓							
11																	
12	80	1321	2.644	115													
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): R+M+T

Bottom Depth: 120 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	10:45	03:46
Bottom	10:48	03:48
End	11:00	04:00

Positional Information

Start

Lat: 48 ° 13.94 N

Lon: 123 ° 18.12 W

Bottom

Lat: 48 ° 13.96 N

Lon: 123 ° 18.11 W

End

Lat: 48 ° 13.95 N

Lon: 123 ° 18.05 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 24 | JUN | 2010

Analyst: CS

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

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Water Properties Group

Rosette Log

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

Cruise ID: 2010-20Station: 65Event #: 23Ship: TullyUTC Date (dd|mmm|yyyy): 24 | 06 | 2010

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	90	3084	3.748	35	☒ 120	X	X										
2	91	3028	3.281	100	☒			X									
3	92	1316	3.794	75	☒												
4	93	2007	4.062	50	☒												
5	94	3069	4.314	40	☒												
6	95	3108	4.630	30	☒	XY											
7	96	3126	4.827	20	☒		XX		XX		XX						
8	97	2082	5.174	10	☒				XX		XX						
9	98	2073	5.214	5	☒												
10	99	3180	5.235	surf	☒				XX		XX						
11																	
12	95	3124	4.631	30													
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): R + M + TBottom Depth: 121 mTransmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	14:00	07:02
Bottom	14:06	07:06
End	14:	07

Positional Information

Start
 Lat: 48° 15.85 N
 Lon: 123° 09.97 W

Bottom
 Lat: 48° 15.87 N
 Lon: 123° 10.65 W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0027 mL • L⁻¹
 Std Value: 0.7427 mL • L⁻¹
 *Date Run: 24 Nov | 2010
 Analyst: CS

* 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: 200-20

Station: 62

Event #: 26

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | 06 | 2010

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	100	2019	3.015	B-5	✓ 142	+								
2	101	3013	3.237	125	✓			x						
3	102	2055	3.834	100	✓									
4	103	1498	4.279	75	✓									
5	104	1477	4.810	50	✓									
6	105	668	4.865	40	✓									
7	106	1174	4.813	30	✓	xx								
8	107	1367	4.855	20	✓		xy		xx		xx			
9	108	657	4.800	10	✓				xx		xx			
10	109	115	4.855	5	✓									
11	110	1389	4.877	Surf	✓				xx		xx			
12														
13	106	622	4.871	80										
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): R + M + T

Bottom Depth: 150 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	18.04	11:04
Bottom	18:10	11:10
End	18:22	11:22

Positional Information

Start

Lat: 48 ° 22.88 N

Lon: 123 ° 02.69 W

Bottom

Lat: 48 ° 22.89 N

Lon: 123 ° 02.70 W

End

Lat: 48 ° 22.89 N

Lon: 123 ° 02.74 W

Oxygen Info For This Cast

Blank Value: 0.2027 mL • L⁻¹

Std Value: 0.7427 mL • L⁻¹

*Date Run: 24 JUN 2010

Analyst: CS

* 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: 20020

Station: 56

Event #: 31

Ship: Tully

UTC Date (dd|mmm|yyyy): 25 | JUN | 2010

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH₄				
1	111	1201	4.039	B-5	☒ 182									
2	112	1302	3.960	175	☒			X						
3	113	1327	4.032	150	☒									
4	114	570	4.289	125	☒									
5	115	1414	4.469	100	☒									
6	116	3051	4.508	75	☒									
7	117	2050	4.529	50	☒	XX								
8	118	3116	4.687	40	☒		XX							
9	119	012	4.761	30	☒									
10	120	1335	4.836	20	☒				XX	XX				
11	121	3178	4.822	10	☒				XX	XX				
12	122	2000	4.807	5										
13	123	3135	4.819	surf					XX	XX				
14														
15	117	1326	4.528	50										
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 214 m

Transmisso Cleaned: ☒ N

	UTC	Local
Start	0047	1747
Bottom	0052	1752
End	0105	1805

Positional Information

Start

Lat: 48 ° 46.66 N

Lon: 123 ° 1.50 W

Bottom

Lat: 48 ° 46.79 N

Lon: 123 ° 1.44 W

End

Lat: 48 ° 47.13 N

Lon: 123 ° 1.04 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 24 | JUN | 2010

Analyst: BS

* 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: 2010-20 Station: 49 Event #: 35 Ship: Tully UTC Date (dd|mmm|yyyy): 25 | 06 | 2010

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	124			5	☒				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): M+R+T

Bottom Depth: 134 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	07:19	00:19
Bottom	07:22	00:22
End	07:27	00:27

Positional Information
Start
Lat: 48° 54.97 N
Lon: 122° 59.69 W

Bottom
Lat: 48° 54.94 N
Lon: 122° 59.68 W

End
Lat: 48° 54.91 N
Lon: 122° 59.61 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: 2010-20

Station: 44

Event #: 36

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | 06 | 2010

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	HRC					
1	125			5	✓ 5.37				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): T+M+R

Bottom Depth: 122 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	08:14	01:14
Bottom	08:17	01:17
End	08:21	01:21

Positional Information

Start

Lat: 48° 56.80 N

Lon: 122° 05.96 W

Bottom

Lat: 48° 56.78 N

Lon: 122° 05.99 W

End

Lat: 48° 56.78 N

Lon: 122° 06.01 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: 2010-20

Station: 45

Event #: 37

Ship: Tully

UTC Date (dd|mmm|yyyy): 24 | 06 | 2010

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	126			5	✓ 4.87				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):
T + M + R

Bottom Depth: 129 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	08:54	01:54
Bottom	08:54	01:54
End	09:00	02:00

Positional Information

Start

Lat: 48 ° 53.92 N

Lon: 123 ° 53.89 W

Bottom

Lat: 48 ° 53.89 N

Lon: 123 ° 08.42 W

End

Lat: 48 ° 53.896 N

Lon: 123 ° 08.453 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: 2010-20

Station: 46

Event #: 38

Ship: Tully

UTC Date (dd|mmm|yyyy): 25 | Jun | 2010

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	127	3084	4.522	bot-5	☒ 171	☒	☒							WRONG SAMPLE INFO
2	128	3028	4.398	150	☒	☒	☒	☒						
3	129	1316	4.507	125	☒	☒	☒							
4	130	2007	4.631	100	☒	☒	☒							
5	131	3009	4.643	75	☒	☒	☒							
6	132	3109	4.716	50	☒	☒	☒							
7	133	3124	4.892	40	☒	☒	☒							
8	134	2082	4.754	30	☒	☒	☒							
9	135	2073	4.993	20	☒	☒	☒		vv	vv				
10	136	3180	5.092	10	☒	☒	☒		vv	vv				
11	137	2019	5.432	5	☒	☒	☒		vv	vv				
12	138	3043	5.781	0	☒	☒	☒		vv	vv				
13														
14	133	3126	4.899	40										
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): T+M+R

Bottom Depth: 176 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	09:31	02:31
Bottom	09:36	02:31
End	09:50	02:31

Positional Information

Start

Lat: 48 ° 51.40 N

Lon: 123 ° 10.74 W

Bottom

Lat: 48 ° 51.41 N

Lon: 123 ° 10.75 W

End

Lat: 48 ° 51.432 N

Lon: 123 ° 10.788 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 25 JUN 2010

Analyst: CS

* 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: 2010-20 Station: 108 Event #: 39 Ship: TULLY UTC Date (dd|mmm|yyyy): 25 | 06 | 2010

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	139			5	☒ 5.1				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): T+M+R

Bottom Depth: 76 m
Transmisso Cleaned: ☒ N

	UTC	Local
Start	12:22	05:22
Bottom	12:25	05:25
End	12:27	05:27

Positional Information
Start
Lat: 49 ° 0.95' N
Lon: 123 ° 12.9' W

Bottom
Lat: 49 ° 0.95' N
Lon: 123 ° 12.9' W

End
Lat: 49 ° 0.95' N
Lon: 123 ° 12.9' 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: 2010-20 Station: 107 Event #: 40 Ship: Tully UTC Date (dd|mmm|yyyy): 25 | 06 | 2010

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	140			5	✓ 5.22				++		++					
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): T+MER

Bottom Depth: 80 m
Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	13:07	06:07
Bottom	13:11	06:11
End	13:16	06:16

Positional Information
Start
Lat: 48 ° 58.40 N
Lon: 123 ° 17.91 W

Bottom
Lat: 48 ° 58.38 N
Lon: 123 ° 17.88 W

End
Lat: 48 ° 58.34 N
Lon: 123 ° 17.92 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: 2010-20

Station: 40

Event #: 42

Ship: TULLY

UTC Date (dd|mmm|yyyy): 25 | 06 | 2010

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	HRC	Phyto				
1	141	1490	2.681	B-5	✓ 312	+	X									
2	142	1144	2.720	300	✓	+		X								
3	143	3181	3.173	250	✓	+										
4	144	2099	3.947	200	✓	+										
5	145	1321	4.290	175	✓	+	X+									
6	146	1481	4.456	150	✓	X+	+									
7	147	1180	4.496	125	✓	X										
8	148	1476	4.667	100	✓											
9	149	1365	4.383	75	✓											
10	150	2010	4.518	50	✓											
11	151	4137	4.700	40	✓											
12	152	650	4.902	30	✓											
13	153	1387	4.841	20	✓				xx	xx						
14	154	1406	5.103	10	✓				xx	xx						
15	155	2033	5.433	5	✓				xx	xx						
16	156	638	6.360	surf	✓	+	+		xx	xx	xx					
17																
18	146	2004	4.4164	150												
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T+M+R

Bottom Depth: 317 m

Transmisso Cleaned: Q / N

	UTC	Local
Start	15:17	08:17
Bottom	15:24	08:24
End	15:45	08:45

Positional Information

Start

Lat: 49 ° 1.70 N

Lon: 123 ° 26.22 W

Bottom

Lat: 49 ° 1.71 N

Lon: 123 ° 26.19 W

End

Lat: 49 ° 1.79 N

Lon: 123 ° 26.20 W

Oxygen Info For This Cast

Blank Value: 0.0027 mL · L⁻¹

Std Value: 0.7427 mL · L⁻¹

*Date Run: 25 JUN 2010

Analyst: CS

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

CHANGED ALK 10 AFTER THIS CAST.

Water Properties Group

Rosette Log

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

Cruise ID: 2010-20 Station: 106 Event #: 44 Ship: Tully UTC Date (dd|mmm|yyyy): | |

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
31	157			0	✓ 1.2				XX	XX				
22	158			10	✓ 10.35				XX	XX				
12	159			20	✓ 20.01				XX	XX				
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL MH TB

Bottom Depth: 8089 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	17:39	10:39
Bottom	17:42	10:42
End	17:46	10:46

Positional Information

Start Lat: 49° 03.18 N Lon: 123° 19.05 W

Bottom Lat: 49° 04.36 N Lon: 123° 19.08 W

End Lat: 49° 04.37 N Lon: 123° 19.10 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: 7010-20

Station: 39

Event #: 47

Ship: Tully

UTC Date (dd|mmm|yyyy): 25 | 06 | 2010

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	DIC	PHYTO	
1	160	3084	2.468	8-5	✓ 371	↓	X							
2	161	3028	2.451	350	✓	↓		X						
3	162	1316	3.114	300	✓	↓						X		
4	163	2007	3.050	250	✓	↓								
5	164	3069	3.851	200	✓	↓						XX		
6	165	3108	4.243	175	✓	↓								
7	166	3124	4.542	150	✓	XX								
8	167	2082	4.582	125	✓	↓								
9	168	2013	4.493	100	✓	↓						X		
10	169	3180	4.398	75	✓	↓	XX							
11	170	2019	4.343	50	✓	↓						X		
12	171	3043	4.391	40	✓	↓								
13	172	2055	4.556	30	✓	↓								
14	173	1498	4.950	20	✓	↓			XX		XX	X		
15	174	1477	5.604	10		↓			XX		XX	XX		
16	175	668	6.47	5		↓			XX		XX			
17	176	1174	6.605	surf		↓	↓		XX		XX	X	XXX	
18														
19	1166	3126	4.550	150										
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 373 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2042	1342
Bottom	2050	1350
End	2113	1413

Positional Information

Start

Lat: 49 ° 9.89 N

Lon: 123 ° 33.18 W

Bottom

Lat: 49 ° 9.92 N

Lon: 123 ° 33.20 W

End

Lat: 49 ° 10.36 N

Lon: 123 ° 33.54 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹

Std Value: 0.7247 mL · L⁻¹

*Date Run: 25 JUN 2010

Analyst: CJ

* 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: 2010-20

Station: 27

Event #: 50

Ship: Tully

UTC Date (dd|mmm|yyyy): 26|JUN|2010

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	178	1490	2.730	bot-5	✓ 344	✓	✓							
2	179	1144	2.922	300	✓	✓	✓	✓						
3	180	3181	3.085	250	✓	✓	✓							
4	181	2099	3.495	200	✓	✓	✓							Broke 2099
5	182	1321	3.783	175	✓	✓	✓							
6	183	1481	4.328	150	✓	✓	✓							
7	184	2084	4.691	125	✓	✓	✓							
8	185	1180	4.622	100	✓	✓	✓							
9	186	1476	4.455	75	✓	✓	✓							
10	187	1365	4.211	50	✓	✓	✓							
11	188	2086	4.293	40	✓	✓	✓							
12	189	437	4.377	30	✓	✓	✓							
13	190	650	5.035	20	✓	✓	✓		✓✓	✓✓				
14	191	1387	5.807	10	✓	✓	✓		✓✓	✓✓				
15	192	1406	7.288	5	✓	✓✓	✓		✓✓	✓✓				
16	193	638	7.307	Surface	✓	✓	✓✓		✓✓	✓✓				Not Closed Properly
17														
18														
19	192	2033	7.297	5										
20														
21														
22														
23														
24														

Watchkeeper(s): SR/ELP/DT

Bottom Depth: 347 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0021	1721
Bottom	0027	1727
End	0047	1747

Positional Information

Start Lat: 49 ° 19.14 N
Lon: 123 ° 48.19 W

Bottom Lat: 49 ° 19.14 N
Lon: 123 ° 48.12 W

End Lat: 49 ° 19.10 N
Lon: 123 ° 48.01 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹
Std Value: 0.7247 mL · L⁻¹
*Date Run: 25 JUN 2010
Analyst: CS

* 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: 2010-20

Station: 2

Event #: 54

Ship: Tully

UTC Date (dd|mmm|yyyy): 26 | JUN | 2010

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NE HPLC				
1	196	1201	—	bet-5	☒ 273	☒	☒							DOSIMAT WENT CRAZY.
2	197	1302	2.514	250	☒	☒	☒	☒						
3	198	1327	3.758	200	☒	☒	☒							DOSIMAT CRAZY
4	199	570	3.941	175	☒	☒	☒							
5	200	1414	4.427	150	☒	☒	☒							
6	201	3051	4.467	125	☒	☒	☒							
7	202	2056	4.500	100	☒	☒	☒							
8	203	1326	4.404	75	☒	☒	☒							
9	204	3116	4.436	50	☒	☒	☒							
10	205	1335	4.491	40	☒	☒	☒							Did not include 40m in original labelling, but have corrected accordingly (DT)
11	206	3178	4.602	30	☒	☒	☒							
12	207	2000	4.996	20	☒	☒	☒	☒	☒					
13	208	3135	5.796	10	☒	☒	☒	☒	☒					
14	209	1460	6.918	5	☒	☒	☒							
15	210	3194	6.925	surface	☒	☒	☒	☒	☒					
16														
17	204	612	4.288	50										
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR

Bottom Depth: 2 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0503	2203
Bottom	0509	2209
End	0526	2226

Positional Information
 Start
 Lat: 49 ° 24.09 N
 Lon: 124 ° 9.37 W

Bottom
 Lat: 49 ° 24.14 N
 Lon: 124 ° 9.31 W

End
 Lat: 49 ° 24.23 N
 Lon: 124 ° 9.31 W

Oxygen Info For This Cast
 Blank Value: 0.0017 mL · L⁻¹
 Std Value: 0.7247 mL · L⁻¹
 *Date Run: 26 JUN 2010
 Analyst: CS

* 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: 2010-20 Station: 3 Event #: 57 Ship: Tully UTC Date (dd|mmm|yyyy): 26 | 06 | 2010

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	PH HPLC				
1	211	559	2.656	bot -5	✓ 318	V	V							
2	212	2088	2.512	300	✓	V	V	V						
3	213	1393	2.923	250	✓	V	V							
4	214	1491	3.120	200	✓	V	V							
5	215	3160	4.069	175	✓	V	V							
6	216	639	4.154	150	✓	VV	V							
7	217	1465	4.377	125	✓	V	VV							
8	218	632	4.339	100	✓	V	V							
9	219	552	4.222	75	✓	V	V							
10	220	1175	4.075	50	✓	V	V							
11	221	1311	4.263	40	✓	V	V							
12	222	1496	4.585	30	✓	V	V							
13	223	1158	5.564	20	✓	V	V		VV	VV				
14	224	1483	6.216	10	✓	V	V		VV	VV				
15	225	1302	6.848	5	✓	V	V							
16	226	1368	6.817	surface	✓	V	V		VV	VV				
17														
18	216	1487	4.177	15										
19														
20														
21														
22														
23														
24														

Watchkeeper(s):
T+M+R

Bottom Depth: 324 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>09:34</u>	<u>02:34</u>
Bottom	<u>09:42</u>	<u>02:42</u>
End	<u>10:03</u>	<u>10:03</u>

Positional Information

Start

Lat: 49° 26.60 N

Lon: 124° 20.27 W

Bottom

Lat: 49° 26.57 N

Lon: 124° 20.28 W

End

Lat: 49° 26.60 N

Lon: 124° 20.23 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹

Std Value: 0.7247 mL · L⁻¹

*Date Run: 26 JUN 2010

Analyst: CS

* 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: 2010-20 Station: 6 Event #: 59 Ship: Tully UTC Date (dd|mmm|yyyy): 25|06|2010

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	PH	TEMP	COND	RES	DO	SP	
1	227	3084	3.709	bot -5	☒ 187	V	V									
2	228	3028	3.877	175	☒	V	V	☒								
3	229	1316	4.284	150	☒	VV	V									
4	230	3069	4.590	125	☒	V	VV									
5	231	3108	4.131	100	☒	V	V									
6	232	3124	4.098	75	☒	V	V									
7	233	3126	4.445	50	☒	V	V									
8	234	2082	4.503	40	☒	V	V									
9	235	2073	4.691	30	☒	V	V									
10	236	3180	5.546	20	☒	V	V		VV	VV						
11	237	2019	6.505	10	☒	V	V		VV	VV						
12	238	3043	6.866	5	☒	V	V									
13	239	2055	6.990	surface	☒	V	V		VV	VV						
14																
15	229	2007	4.307	150												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
M+T+R

Bottom Depth: 192 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	<u>11:41</u>	<u>04:41</u>
Bottom	<u>11:46</u>	<u>04:46</u>
End	<u>12:00</u>	<u>5:00</u>

Positional Information

Start

Lat: 49 ° 30.58 N

Lon: 124 ° 27.87 W

Bottom

Lat: 49 ° 30.58 N

Lon: 124 ° 27.83 W

End

Lat: 49 ° 30.59 N

Lon: 124 ° 27.89 W

Oxygen Info For This Cast

Blank Value: 0.007 mL · L⁻¹

Std Value: 0.7247 mL · L⁻¹

*Date Run: 26 June 2010

Analyst: CS

* 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: 2010-20

Station: 9

Event #: 62

Ship: Tully

UTC Date (dd|mmm|yyyy): 26 | 06 | 2010

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	240	2040	3.646	8-5	✓	164	x	x									
2	241	1485	3.765	150	✓		xx	x	x								
3	242	3019	3.959	125	✓		x	xx									* CHECK FOR PROPER INPUT INTO AUTO OXY.
4	243	3113	4.104	100	✓			x									
5	244	3067	4.110	75	✓												
6	245	3990	4.417	50	✓												
7	246	2085	4.516	40	✓												
8	247	2061	4.634	30	✓												
9	248	2049	5.348	20	✓					xx		xx					
10	249	3047	6.831	10	✓					xx		xx					
11	250	3201	7.476	5	✓												
12	251			0	✓					xx		xx					TRIPPED WITHIN ABOVE WATER
13	251	2047	6.877	Surf	✓		x	x		xx		xx					
14																	
15	241	2059	3.774	150													
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): M+T+R

Bottom Depth: 160 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	14:41	07:41
Bottom	14:45	07:45
End	15:00	08:00

Positional Information

Start Lat: 49° 35.54 N

Lon: 124° 38.19 W

Start

Bottom Lat: 49° 35.19 N

Lon: 124° 38.154 W

Bottom

End Lat: 49° 35.46 N

Lon: 124° 38.21 W

End

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹

Std Value: 0.7247 mL · L⁻¹

*Date Run: 26 JUN 2010

Analyst: OS

* 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: 2010-20 Station: 16 Event #: 65 Ship: Tully UTC Date (dd|mmm|yyyy): 26 | JUN | 2010

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	252	1490	3.935	B-5	☒	148											
2	253	1144	3.972	125					X								
3	254	3181	4.008	100													
4	255	1407	4.349	75													
5	256	1321	4.549	50													
6	257	1481	4.689	40			xx										
7	258	1180	4.993	30				xx									
8	259	1476	5.200	20						xx	xx						
9	260	1365	6.039	10						xx	xx						
10	261	2080	6.857	5						xx							
11	262	437	6.887	Surf						xx	xx						
12																	
13	257	2084	4.708	40													
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): SR

Bottom Depth: 153 m

Transmisso Cleaned: ☒ N

	UTC	Local
Time		
Start	1950	1250
Bottom	1953	1253
End	2004	1304

Positional Information

Start

Lat: 49 ° 57.70 N

Lon: 125 ° 8.77 W

Bottom

Lat: 49 ° 57.68 N

Lon: 125 ° 8.77 W

End

Lat: 49 ° 57.83 N

Lon: 125 ° 8.80 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹

Std Value: 0.7247 mL · L⁻¹

*Date Run: 26 JUN 2010

Analyst: CR

* 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: 2010-20 Station: 14 Event #: 70 Ship: Tully UTC Date (dd|mmm|yyyy): 27 JUN 2010

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	DIL	PH ₄		
1	263	1490	3.073	B-5	✓ 310							X		
2	264	1144	3.209	250	✓			X						
3	265	3181	3.655	200	✓							XX		
4	266	1407	3.780	175	✓									
5	267	1321	3.954	150	✓	XX								
6	268	2084	3.918	125	✓		XX							
7	269	1180	3.939	100	✓							X		
8	270	1476	4.665	75	✓									
9	271	1365	4.892	50	✓							X		
10	272	2086	5.011	40	✓									
11	273	437	4.992	30	✓									
12	274	650	5.260	20	✓				XX	XX		X		
13	275	1387	6.216	10	✓				XX	XX		XX		
14	276	1406	7.015	5										
15	277	2033	7.046	surf.					XX	XX		X	XXX	
16														
17	267	1481	3.966	150										
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): ELP/SR/DT

Bottom Depth: 314 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0106	1806
Bottom	0113	1813
End	0135	1835

Positional Information
 Start
 Lat: 49 ° 53.07 N
 Lon: 124 ° 59.58 W

Start

Bottom
 Lat: 49 ° 53.06 N
 Lon: 124 ° 59.61 W

Bottom

End
 Lat: 49 ° 52.97 N
 Lon: 124 ° 59.34 W

End

Oxygen Info For This Cast
 Blank Value: 20017 mL · L⁻¹
 Std Value: 0.7247 mL · L⁻¹
 *Date Run: 26 JUN 2010
 Analyst: CS

* 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: 200-20

Station: 12

Event #: 7.3

Ship: Tully

UTC Date (dd|mmm|yyyy): 26 | 06 | 2010

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	278	2040	2.779	8-5	✓ 351	X	X											
2	279	1485	3.071	300	✓			X										
3	280	2059	3.357	250	✓													
4	281	3019	3.732	200	✓													
5	282	3113	3.781	175	✓													
6	283	3067	4.326	150	✓	XX												
7	284	2085	4.0185	125	✓	X	XX											DI-MATERIAL
8	285	2061	4.488	100	✓		X											
9	286	2049	4.352	75	✓													
10	287	3047	4.106	50	✓													
11	288	3201	4.189	40	✓													
12	289	2047	4.428	30	✓													
13	290	3090	4.698	20	✓				XX		XX							
14	291	2068	6.724	10	✓				XX		XX							
15	292	3151	7.111	5	✓													
16	293	3198	6.898	surf	✓				XX		XX							
17																		
18	283	3190	4.326															
19																		
20																		
21																		
22																		
23																		
24																		

Watchkeeper(s): DT/SR/ELP

Bottom Depth: 357 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0507	2207
Bottom	0513	2213
End	0535	2235

Positional Information

Start Lat: 49 ° 43.62 N
Lon: 124 ° 40.92 W

Bottom Lat: 49 ° 43.68 N
Lon: 124 ° 41.00 W

End Lat: 49 ° 43.80 N
Lon: 124 ° 40.86 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL · L⁻¹
Std Value: 2.7247 mL · L⁻¹
*Date Run: 26 JUN 2010
Analyst: CS

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

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