

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: SIO3 Event #: 1 Ship: J.P. Tully UTC Date (dd|mmm|yyyy): 31 | 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	1	1456	0.00	85-10	✓ 214	✓	✓	✓								
2	2	1338	0.00	200	✓											
3	3	1340	0.003	175	✓											
4	4	1341	0.049	150	✓											
5	5	1344	0.700	125	✓											
6	6	1347	1.827	100	✓	✓										
7	7	1351	3.052	75	✓											
8	8	1354	4.067	50	✓											
9	9	1356	6.686	25	✓											
10	10	1358	7.425	10	✓		✓									
11	11	1360	8.138	5		✓	✓	✓								
12																
13	600	1158	6.743	100												
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
DY et al.

Bottom Depth: 224 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1805	0205
Bottom	0214	
End	0229	

Positional Information

Start

Lat: 48 ° 35 57 N

Lon: 123 ° 30 00 W

Bottom

Lat: 48 ° 35 54 N

Lon: 123 ° 30 02 W

End

Lat: 48 ° 35 49 N

Lon: 123 ° 30 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

or red box

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P2 Event #: 3 Ship: Tully UTC Date (dd|mmm|yyyy): 1 | June | 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	13	632	1.726	Bot-10	☒ 110	☒	☒	☒						
2	14	76	1.870	100	☒	☒	☒	☒	☒					
3	15	329	3.923	75	☒	☒	☒	☒	☒					
4	16	425	4.020	75	☒	☒	☒	☒	☒					
5	17	371	4.681	50	☒	☒	☒	☒	☒					
6	18	439	6.744	25	☒	☒	☒	☒	☒					
7	19	456	6.880	10		☒	☒	☒	☒					
8	20	462	6.822	10										} UBC
9	21	547	6.843	10										
10	22	471	6.781	10										
11	23	557	6.745	10										
12	24	204	7.182	5		☒	☒	☒	☒					
13														
14	18b	1174	6.894	25										
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): DA

Bottom Depth: 116 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1739	
Bottom	1742	
End	1752	

Positional Information

Start Lat: 48 ° 36 01 N
Lon: 126 ° 00 01 W

Bottom Lat: 48 ° 36 01 N
Lon: 126 ° 00 02 W

End Lat: 48 ° 35 98 N
Lon: 125 ° 59 96 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: 2008-26 Station: P2 Event #: 5 Ship: Tally UTC Date (dd|mmm|yyyy): 1 | June | 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	25			5											} UW
2	26														
3	27														
4	28														
5	29														
6	30														
7	31														
8	32														
9	33														
10	34														
11	35								✓						
12	36														
13	37			5											} OSU
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Watchkeeper(s): DA et al

Bottom Depth: 117 m

Transmisso Cleaned: Y / ☒ N

	UTC	Local
Start	1838	
Bottom	1839	
End	1842	

Positional Information

Lat:	48 ° 35 99	N
Lon:	125 ° 59 99	W

Start

Lat:	48 ° 35 99	N
Lon:	125 ° 59 99	W

Bottom

Lat:	48 ° 35 98	N
Lon:	125 ° 59 99	W

End

Lat:	48 ° 35 98	N
Lon:	125 ° 59 99	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: 2008-26Station: P4Event #: 7Ship: TullyUTC Date (dd|mmm|yyyy): 01 | 06 | 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	NH₄ DMS	HPLC	DMS-P-6	DMS-P-2	ph y6		
1	39			200	✓	200		✓			✓		✓	✓			
2	40			175	✓	175		✓			✓	✓					
3	41			100	✓	100		✓		✓	✓	✓	✓	✓			
4	42			75	✓	75		✓		✓	✓	✓					
5	43			50	✓	50		✓		✓	✓	✓					
6	44			40	✓	40		✓		✓	✓	✓					
7	45			30	✓	30		✓		✓	✓						chl not sampled
8	46			25	✓	25		✓		✓	✓	✓					
9	47			25	✓	25						✓					
10	48			20	✓	20		✓		✓	✓		✓	✓			
11	49			15	✓	15		✓		✓	✓						
12	50			10	✓	10		✓		✓	✓	✓					
13	51			10	✓	10						✓					
14	52			5	✓	5		✓		✓	✓	✓	✓	✓			
15	53			5	✓	5						✓			✓		
16	54			5	✓	5											ONAR
17	55			0	✓	2.7		✓		✓	✓		✓	✓			
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s):
DY CSBottom Depth: 1301 mTransmissio Cleaned: Y / N

	UTC	Local
Time		
Start	2247	1547
Bottom	2250	1550
End	2307	1607

Positional Information

Start
Lat: 48 ° 39.11 N
Lon: 126 ° 40.02 WBottom
Lat: 48 ° 39.09 N
Lon: 126 ° 40.05 WEnd
Lat: 48 ° 39.11 N
Lon: 126 ° 40.02 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

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

DEEP CAST

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26Station: R4Event #: 9Ship: TullyUTC Date (dd|mmm|yyyy): 01|01|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 DIC	pH	SiO ₄	FeM	AlR	Phylo	
1	56	1456	0.411	Bot-10	✓ 1315	✓	✓	✓		✓	✓					
2	57	1338	0.357	1250	✓ 1250						✓					
3	58	1346	0.244	1000	✓ 1000					✓						
4	59	1341	0.361	1000	✓ 1000			✓			✓	✓	✓	✓		
5	60	1344	0.189	800	✓ 800						✓					
6	61	1347	0.376	600	✓ 599											
7	62	1351	0.918	400	✓ 399							✓	✓	✓		
8	63	1354	1.181	300	✓ 300							✓	✓	✓		
9	64	1356	1.781	250	✓ 250	✓										
10	65	1358	2.703	200	✓ 200							✓	✓	✓		
11	66	1360	2.795	175	✓ 174											
12	67	1361	2.872	150	✓ 150			✓				✓	✓	✓		
13	68	1362	3.263	125	✓ 125											
14	69	1363	4.662	100	✓ 100							✓	✓	✓		
15	70	1364	6.498	75	✓ 75							✓	✓	✓		
16	71	1366	6.773	50	✓ 50		✓					✓	✓	✓		
17	72	1367	6.867	25	✓ 25							✓	✓	✓		
18	73	1368	7.275	10	✓ 10							✓	✓	✓		
19	74	1365	7.249	5	✓ 5	✓	✓	✓		✓	✓				✓	
20																
21	64a	715	1.541	250												
22																
23																
24																

Watchkeeper(s):
DY CS JWBottom Depth: 1319 mTransmisso Cleaned: (Y) / N

Time	UTC	Local
Start	<u>12354</u>	<u>1654</u>
Bottom	<u>0020</u>	<u>1720</u>
End	<u>0058</u>	<u>1758</u>

Positional Information
Start
Lat: 48° 39.08 N
Lon: 126° 40.08 WBottom
Lat: 48° 39.10 N
Lon: 126° 40.12 WEnd
Lat: 48° 38.91 N
Lon: 126° 40.12 WOxygen 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

OXY + NUTS: RED

UBC CAST

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26

Station: P4

Event #: 10

Ship: Tully

UTC Date (dd|mmm|yyyy): 2 | 6 | 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	75			Bot-10	✓ 1322			✓								
2	76			Bot-10	✓											
3	77			Bot-10	✓											
4	78			Bot-10	✓											
5	79			Bot-10	✓											
6	80			Bot-10	✓											
7	81			1000	✓ 1000											
8	82			1000	✓											
9	83			1000	✓											
10	84			1000	✓											
11	85			1000	✓											
12	86			1000	✓											
13	87			600	✓ 600											JANET
14	88			500	✓ 500											
15	89			500	✓											
16	90			500	✓											
17	91			500	✓											
18	92			500	✓											
19	93			500	✓											
20	94			10	✓ 10											
21	95			10	✓											
22	96			10	✓											
23	97			10	✓											
24	98			5	✓ 5											JANET

Watchkeeper(s): DY CP

Bottom Depth: 1317 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0214	1914
Bottom	0238	1938
End	0306	2006

Positional Information

Start Lat: 48 ° 38.98 N
Lon: 126 ° 39.95 W

Bottom Lat: 48 ° 38.99 N
Lon: 126 ° 39.98 W

End Lat: 48 ° 38.99 N
Lon: 126 ° 40.06 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: 2008-26 Station: P4 Event #: 12 Ship: Tully UTC Date (dd|mmm|yyyy): 2 | 6 | 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	99			CHAP 18	✓ 18									} uw
2	100			18	✓									
3	101			18	✓									
4	102			18	✓									
5	103			18	✓									
6	104			18	✓									} OSU
7	105			18	✓									
8	106			18	✓									
9	107			18	✓									
10	108			18	✓									
11	109			18	✓									} uw
12	110			18	✓									
13	111			5	✓ 5									
14	112			5	✓									
15	113			5	✓									
16	114			5	✓									
17	115			5	✓									
18	116			5	✓									
19	117			5	✓									
20	118			5	✓									
21	119			5	✓									
22	120			5	✓									
23	121			5	✓									
24	122			5	✓									

Watchkeeper(s):
 Bottom Depth: 1317 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	0358	2058
Bottom	0402	2102
End	0403	2103

Positional Information

Start
Lat: 48 ° 39.06 N
Lon: 126 ° 40.15 WBottom
Lat: 48 ° 39.06 N
Lon: 126 ° 40.15 WEnd
Lat: 48 ° 39.07 N
Lon: 126 ° 40.15 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std 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: 2008-26 Station: P8 Event #: 18 Ship: Tully UTC Date (dd|mmm|yyyy): 2 | 6 | 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	126	1A156	1.795	2000	✓ 2000	✓	✓	✓								
2	127	1338	0.660	1500	✓ 1500			✓								
3	128	1340	0.464	1250	✓ 1252											
4	129	1341	0.222	1000	✓		✓									
5	130	1341	0.238	800	✓											
6	131	1347	0.422	600	✓ 600											
7	132	1351	0.965	400	✓ 400											
8	133	1354	2.244	300	✓ 300											
9	134	1356	2.816	250	✓ 250											
10	135	1358	3.128	200	✓ 200											
11	136	1365	3.388	175	✓ 175											
12	137	1361	3.542	150	✓ 157											
13	138	1362	3.819	125	✓ 124											
14	139	1363	5.531	100	✓ 100				✓							
15	140	1364	6.716	75	✓ 74				✓							
16	141	1366	6.978	50	✓ 51				✓✓							
17	142	1367	6.855	25	✓ 26				✓							
18	143	1368	6.819	10	✓ 10		✓	✓	✓	✓						
19	144			10	✓			✓								
20	145			10	✓			✓								
21	146			10	✓			✓								
22	147			10	✓			✓								
23	148	1327	6.919	5	✓ 6	✓	✓	✓	✓							
24	149	1158	7.071	5	✓ 6											ONAR

Watchkeeper(s): DY

Bottom Depth: 2508 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	2231	1531
Bottom	2315	1615
End	0003	1703

Positional Information

Start Lat: 48° 48.99 N

Lon: 128° 40.07 W

Bottom Lat: 48° 48.99 N

Lon: 128° 39.93 W

End Lat: 48° 48.57 N

Lon: 128° 39.85 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

UBC CAST

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P12 Event #: 23 Ship: TULLY UTC Date (dd|mmm|yyyy): 3 | June | 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			2000	✓ 2000			✓								
2	154			2000	✓											
3	155			2000	✓											
4	156			2000	✓											
5	157			2000	✓											
6	158			2000	✓											
7	159			1000	✓											
8	160			1000	✓											
9	161			1000	✓											
10	162			1000	✓											
11	163			1000	✓											
12	164			1000	✓											
13	165			500	✓											
14	166			500	✓											
15	167			500	✓											
16	168			500	✓											
17	169			500	✓											
18	170			500	✓											
19	171			10	✓											
20	172			10	✓											
21	173			10	✓											
22	174			10	✓											
23																
24																

Watchkeeper(s): DA, KB, TF

Bottom Depth: 3232 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1258	
Bottom	1332	
End	1409	

Positional Information
Start
Lat: 48 ° 58 19 N
Lon: 130 ° 39 93 W

Bottom
Lat: 48 ° 58 20 N
Lon: 130 ° 39 96 W

End
Lat: 48 ° 58 20 N
Lon: 130 ° 40 00 W

Oxygen Info For This Cast
Blank Value: mL · L⁻¹
Std Value: mL · L⁻¹
*Date Run: | |
Analyst:

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

uw/osu

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P12 Event #: 24 Ship: TULLY UTC Date (dd|mmm|yyyy): 3 | June | 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	175			45	-												
2	176			45	-												
3	177			45	-												
4	178			45	-												
5	179			45	-												
6	180			45	-												
7	181			45	-												
8	182			45	-												
9	183			45	-												
10	184			5	-												
11	185			5	-												
12	186			5	-												
13	187			5	-												
14	188			5	-												
15	189			5	-												
16	190			5	-												
17	191			5	-												
18	192			5	-												
19	193			5	-												
20	194			5	-												
21	195			5	-												
22	196			5	-												
23	197			5	-												
24	198			5	-												

Watchkeeper(s):
DA PA AM

Bottom Depth: 3233 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1458	
Bottom	1502	
End	1509	

Positional Information

Start	Lat: <u>48</u> ° <u>58</u> <u>18</u> N
	Lon: <u>130</u> ° <u>39</u> <u>99</u> W

Bottom

Lat: <u>48</u> ° <u>58</u> <u>21</u> N
Lon: <u>130</u> ° <u>40</u> <u>00</u> W

End

Lat: <u>48</u> ° <u>58</u> <u>24</u> N
Lon: <u>130</u> ° <u>40</u> <u>95</u> 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

*ASK ADRIAN.

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P12 Event #: 26 Ship: TULLY UTC Date (dd|mmm|yyyy): 3 | June | 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	DIC	pH	FCM	Gauss	HR		
1	199	1436	2.218	Bot-10	✓ 3275	✓	✓	✓			✓	✓	✓	✓✓	✓✓✓		
2	200	1338	2.235	3000	✓ 3000						✓✓						
3	201	1340	2.534	3000	✓ 3000						✓		✓	✓✓	✓✓✓		
4	202	1341	1.993	2500	✓ 2499							✓					
5	203	1344	1.304	2000	✓ 1999							✓✓	✓	✓✓	✓✓✓		
6	204	1347	0.644	1500	✓ 1501							✓					
7	205	1351	0.455	1250	✓ 1249			✓									
8	206	1354	0.293	1000	✓ 1001							✓	✓	✓✓	✓✓✓		
9	207	1356	0.268	800	✓ 800		✓					✓					
10	208	1358	0.485	600	✓ 600							✓					
11	209	1360	1.249	400	✓ 399								✓	✓✓	✓✓✓		
12	210	1361	2.379	300	✓ 299							✓	✓	✓✓	✓✓✓		
13	211	1362	3.251	250	✓ 249												
14	212	1363	4.113	200	✓ 199							✓✓	✓	✓✓	✓✓✓		
15	213	1364	4.242	175	✓ 174												
16	214	1366	4.628	150	✓ 150							✓	✓	✓✓	✓✓✓		
17	215	1367	5.469	125	✓ 124												
18	216	1368	6.509	100	✓ 100							✓	✓	✓✓	✓✓✓		
19	217	1365	7.180	75	✓ 75							✓✓					
20	218	1374	6.891	50	✓ 50	*		✓				✓	✓	✓✓	✓✓✓		
21	219	1375	7.251	25	✓ 25							✓	✓	✓✓	✓✓✓		
22	220	1376	6.824	10	✓ 10							✓	✓	✓✓	✓✓✓		
23	221	1327	6.873	5	✓ 5	✓	✓	✓			✓	✓					
24																	

Watchkeeper(s): DA et al

Bottom Depth: 3234 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1746	
Bottom	1842	
End	1959	

Positional Information

Start

Lat: 48 ° 58 20 N

Lon: 130 ° 40 00 W

Bottom

Lat: 48 ° 58 21 N

Lon: 130 ° 40 00 W

End

Lat: 48 ° 58 15 N

Lon: 130 ° 40 13 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

NUTS: YELLOW RACK

OXY: RED DUP OXY NOT SAMPLED

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P12 Event #: 28 Ship: Tully UTC Date (dd|mmm|yyyy): 3 | 6 | 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 DMS	NO ₃ HPLC	NO ₂ DMSO	PO ₄ DMSO			
1	222			200	✓ 200		✓			✓		✓	✓			
2	223			175	✓ 176		✓			✓	✓		✓			
3	224			100	✓ 100		✓		✓	✓	✓	✓	✓			
4	225			75	✓ 74		✓		✓	✓	✓					
5	226			50	✓ 51		✓		✓	✓	✓					
6	227			40	✓ 40		✓		✓	✓	✓	✓	✓			
7	228			30	✓ 30		✓		✓	✓						
8	229			25	✓ 24		✓		✓	✓	✓					
9	230			25	✓ 24						✓					ANGELICA
10	231			20	✓ 20		✓		✓	✓		✓	✓			
11	232			15	✓ 15		✓		✓	✓						
12	233			10	✓ 10		✓		✓	✓	✓	✓	✓			
13	234			10	✓ 10						✓					ANGELICA
14	235			5	✓ 5		✓		✓	✓	✓					
15	236			5	✓ 5						✓					ANGELICA
16	237			5	✓ 5											ONAR
17	238			0	✓ 2.6		✓		✓	✓		✓	✓			
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DY

Bottom Depth: 3236 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2105	
Bottom	2107	
End	2122	

Positional Information

Start Lat: 48 ° 58.19 N Lon: 120 ° 40.06 W

Bottom Lat: 48 ° 58.19 N Lon: 130 ° 40.08 W

End Lat: 48 ° 58.18 N Lon: 130 ° 40.13 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

NOTES: WHITE RACK

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P14 Event #: 32 Ship: J.P. Tully UTC Date (dd|mmm|yyyy): 4 | 6 | 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	DMS					
1	999			10													
2	999			10													
3	999			10													
4	240			10			✓	✓	✓	✓		✓					
5	241			5				✓	✓	✓							
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): DA

Bottom Depth: 3319 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0857	
Bottom	0931	
End	0952	

Positional Information
Start
Lat: 49 ° 07.42 N
Lon: 132 ° 39.98 W

Bottom
Lat: 49 ° 07.40 N
Lon: 132 ° 39.97 W

End
Lat: 49 ° 07.40 N
Lon: 132 ° 39.98 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: 2008-26 Station: P16 Event #: 34 Ship: Tully UTC Date (dd|mmm|yyyy): 4 | 6 | 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	NH4 DIC	PH	FCM	Gauss	HR		
1	243	1456	2.718	Bot-10	✓ 3686	✓	✓	✓		✓		✓	✓	✓		
2	244	1338	2.687	3500	✓ 3499	✓					✓					
3	245	1340	2.500	3000	✓ 3000	✓					✓	✓	✓	✓		
4	246	1341	2.143	2500	✓ 2499	✓				✓						
5	247	1344	1.937	2500	✓ 2499	✓										
6	248	1347	1.419	2000	✓ 2000	✓					✓	✓	✓	✓		
7	249	1351	0.559	1500	✓ 1500	✓					✓					
8	250	1354	0.351	1250	✓ 1250	✓										
9	251	1356	0.257	1000	✓ 1001	✓					✓	✓	✓	✓		
10	252	1358	0.379	800	✓ 800	✓					✓					
11	253	1360	0.555	600	✓ 600	✓	✓				✓					
12	254	1361	0.988	400	✓ 399	✓						✓	✓	✓		
13	255	1362	2.016	300	✓ 300	✓					✓	✓	✓	✓		
14	256	1363	2.604	250	✓ 250	✓										
15	257	1364	3.189	200	✓ 200	✓					✓	✓	✓	✓		
16	258	1366	3.244	175	✓ 174	✓										
17	259	1367	3.945	150	✓ 150	✓					✓	✓	✓	✓		
18	260	1368	4.160	125	✓ 124	✓										
19	261	1365	6.299	100	✓ 101	✓					✓	✓	✓	✓		
20	262	1374	7.071	75	✓ 75	✓	✓				✓					
21	263	1375	6.870	50	✓ 50	✓					✓	✓	✓	✓		
22	264	1376	6.824	25	✓ 24	✓					✓	✓	✓	✓		
23	265	1327	6.757	10	✓ 10	✓					✓	✓	✓	✓		
24	266	1158	6.766	5	✓ 5	✓					✓					

Watchkeeper(s): JD

Bottom Depth: 3635 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1932	1232
Bottom	2018	1318
End	2129	

Positional Information

Start Lat: 49 ° 17.00 N
Lon: 134 ° 39.96 W

Bottom Lat: 49 ° 16.95 N
Lon: 134 ° 40.07 W

End Lat: 49 ° 16.90 N
Lon: 134 ° 40.03 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

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

262b 639 6851 NUTS: BROWN PACK OXY RED BOX

PH - Christina's sample

Sample: 240

Flask 1329

Do ml/l: 7.092

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26

Station: P16

Event #: 37

Ship: Tully

UTC Date (dd|mmm|yyyy): 4 | 6 | 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	THH DHS	HPC	DMSP _d	DMSP _t	
1	267			200	✓ 201		✓			✓		✓	✓	
2	268			175	✓ 175		✓			✓	✓			
3	269			100	✓ 100		✓		✓	✓	✓	✓	✓	
4	270			75	✓ 75		✓		✓	✓	✓			
5	271			50	✓ 50		✓		✓	✓	✓	✓	✓	
6	272			40	✓ 40		✓		✓	✓	✓			
7	273			30	✓ 30		✓		✓	✓				
8	274			25	✓ 25		✓		✓	✓	✓			
9	275			25	✓ 25						✓			ANGELICA
10	276			20	✓ 20		✓		✓	✓		✓	✓	
11	277			15	✓ 15		✓		✓	✓				
12	278			10	✓ 10		✓		✓	✓	✓	✓	✓	PTAKEN FROM #12
13	279			10	✓ 10						✓			ANGELICA Did not take
14	280			5	✓ 5		✓		✓	✓	✓			
15	281			5	✓ 5						✓			ANGELICA
16	282			5	✓ 5									ONAR
17	283			0			✓		✓	✓		✓	✓	
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): dy

Bottom Depth: 3836 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Time Start	2235	1535
Bottom	2240	1540
End	2254	1554

Positional Information

Start Lat: 49 ° 17.02 N

Lon: 134 ° 39.97 W

Start

Bottom Lat: 49 ° 17.00 N

Lon: 134 ° 39.99 W

Bottom

End Lat: 49 ° 16.97 N

Lon: 134 ° 39.97 W

End

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

NOTES: Blue

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26Station: P16Event #: 38Ship: TullyUTC Date (dd|mmm|yyyy): 4 | 6 | 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	284			2000	✓ 2000			1								
2	285			2000	✓											
3	286			2000	✓											
4	287			2000	✓											
5	288			2000	✓											
6	289			2000	✓											
7	290			1000	✓ 1000											
8	291			1000	✓											
9	292			1000	✓											
10	293			1000	✓											
11	294			1000	✓											
12	295			1000	✓											
13	296			500	✓ 500											
14	297			500	✓											
15	298			500	✓											
16	299			500	✓											
17	300			500	✓											
18	301			500	✓											
19	302			10	✓ 10											
20	303			10	✓											
21	304			10	✓											
22	305			10	✓											
23																
24																

Watchkeeper(s): dyBottom Depth: 3636 mTransmisso Cleaned: Y / N

	Time	UTC	Local
Start		2340	1640
Bottom		0002	1702
End		0037	1737

Positional Information			
Start	Lat:	<u>49 ° 16.96</u>	N
	Lon:	<u>134 ° 40.00</u>	W

Bottom	Lat:	<u>49 ° 16.90</u>	N
	Lon:	<u>134 ° 39.99</u>	W

End	Lat:	<u>49 ° 16.82</u>	N
	Lon:	<u>134 ° 39.94</u>	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: 2008-26

Station: P16

Event #: 39

Ship: Tully

UTC Date (dd|mmm|yyyy): 5 | 6 | 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	306			45	✓ 45											
2	307			1	✓											
3	308				✓											
4	309				✓											
5	310				✓											
6	311				✓											
7	312				✓											
8	313				✓											
9	314				✓											
10	315				✓											
11	316				✓											
12	317				✓											
13	318			5	✓ 5											
14	319			5	✓											
15	320			5	✓											
16	321			5	✓											
17	322			5	✓											
18	323			5	✓											
19	324			5	✓											
20	325			5	✓											
21	326			5	✓											
22	327			5	✓											
23	328			5	✓											
24	329			5	✓											

Watchkeeper(s): 24

Bottom Depth: 3636 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0112	0812
Bottom	0115	1815
End	0121	1821

Positional Information		
Lat:	49 ° 17.00	N
Lon:	134 ° 40.01	W

Start	Lat: 49 ° 16.97	N
Bottom	Lon: 134 ° 40.01	W

End	Lat: 49 ° 16.97	N
	Lon: 134 ° 39.98	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: 2008-26 Station: P18 Event #: 43 Ship: Tully UTC Date (dd|mmm|yyyy): 6 | June | 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	331			10										} UBC
2	332			10										
3	333			10										
4	334	639	7.306	10		✓	✓	✓	✓					
5	335			5			✓	✓	✓					
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): DA

Bottom Depth: 3832 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		0708	
Bottom		0743	
End		0804	

Positional Information

Start
 Lat: 49 ° 25 96 N
 Lon: 136 ° 40 04 W

Bottom
 Lat: 49 ° 25 98 N
 Lon: 136 ° 39 97 W

End
 Lat: 49 ° 26 03 N
 Lon: 136 ° 40 04 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

DMS

Rosette Log

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

Cruise ID: 2008-26 Station: P20 Event #: 45 Ship: J.P. TULLY UTC Date (dd|mmm|yyyy): 6 | 6 | 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 DMS	HPLC	DMSP D	DMSP C	
1	337			200	✓ 199		✓			✓		✓	✓	
2	338			175	✓ 176		✓			✓	✓			
3	339			100	✓ 101		✓✓		✓	✓	✓	✓	✓	
4	340			75	✓ 74		✓		✓✓	✓	✓✓			
5	341			50	✓ 49		✓		✓	✓	✓	✓✓	✓✓	
6	342			40	✓ 40		✓		✓	✓	✓			
7	343			30	✓ 30		✓		✓	✓				
8	344			25	✓ 25		✓		✓	✓	✓✓			
9	345			25	✓ 25						✓✓			ANGELICA
10	346			20	✓ 19		✓		✓	✓		✓	✓	
11	347			15	✓ 15		✓		✓	✓				
12	348			10	✓ 10		✓		✓	✓	✓✓	✓	✓	
13	349			10	✓ 10						✓✓			ANGELICA
14	350			5	✓ 6		✓		✓	✓	✓✓			
15	351			5	✓ 6						✓✓			ANGELICA
16	352			5	✓ 6									ONAR
17	353			0			✓		✓	✓		✓	✓	
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): DY

Bottom Depth: 3907 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	2212	1512
Bottom	2219	1519
End	2231	1531

Positional Information

Start	Lat: <u>49</u> ° <u>34.00</u> N
	Lon: <u>138</u> ° <u>39.86</u> W

Bottom

Lat: <u>49</u> ° <u>33.99</u> N
Lon: <u>138</u> ° <u>39.89</u> W

End

Lat: <u>49</u> ° <u>33.99</u> N
Lon: <u>138</u> ° <u>39.92</u> 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

NUTS: GREEN RACK

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P20 Event #: 47 Ship: J.P. TULLY UTC Date (dd|mmm|yyyy): 4/6/08

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 DIC	PH	TCM	Gauss	HR		
1	354	632	2.992	3500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	355	76	2.840	3500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	356	329	2.766	3500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	357	425	2.434	3000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	358	371	1.975	2500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	359	439	1.243	2000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	360	456	0.480	1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	361	462	0.292	1250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	362	547	0.356	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10	363	471	0.420	800	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	364	557	0.647	600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	365	2040	1.553	400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	366	559	2.306	300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
14	367	575	3.010	250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	368	786	4.478	200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	369	589	5.109	175	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	370	604	5.650	150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	371	605	6.886	125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	372	620	6.946	100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	373	611	6.898	75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
21	374	621	6.933	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
22	375	622	6.918	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
23	376	631	6.892	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
24	377	1216	?	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Value not in file.

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

373a 638 Oxy = Green
6907

Nuts = Red

PIS
Sample No: 334 Do ml/l : 7.366
Flask No: 639

Watchkeeper(s): DY

Bottom Depth: 3967 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2316	1616
Bottom	0028	1728
End	0145	1845

Positional Information
Start
Lat: 49 ° 33.99 N
Lon: 138 ° 39.93 W

Bottom
Lat: 49 ° 33.98 N
Lon: 138 ° 40.00 W

End
Lat: 49 ° 33.96 N
Lon: 138 ° 40.13 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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P20 Event #: 49 Ship: J.P. TULLY UTC Date (dd|mmm|yyyy): 7 | 6 | 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	378			2000	✓ 2000			✓								
2	379			2000	✓											
3	380			2000	✓											
4	381			2000	✓											
5	382			2000	✓											
6	383			2000	✓											
7	384			1000	✓ 1000											
8	385			1000	✓											
9	386			1000	✓											
10	387			1000	✓											
11	388			1000	✓											
12	389			1000	✓											
13	390			500	✓ 500											
14	391			500	✓											
15	392			500	✓											
16	393			500	✓											
17	394			500	✓											
18	395			500	✓											
19	396			10	✓ 10											
20	397			10	✓											
21	398			10	✓											
22	399			10	✓											
23																
24																

Watchkeeper(s):
DYBottom Depth: 3967 mTransmissio Cleaned: Y / N

Time	UTC	Local
Start	<u>0250</u>	<u>1950</u>
Bottom	<u>0317</u>	<u>2017</u>
End	<u>0350</u>	<u>2050</u>

Positional Information

Start	Lat: <u>49</u> ° <u>34.05</u> N
	Lon: <u>138</u> ° <u>40.04</u> W

Bottom	Lat: <u>49</u> ° <u>34.03</u> N
	Lon: <u>138</u> ° <u>40.07</u> W

End	Lat: <u>49</u> ° <u>34.04</u> N
	Lon: <u>138</u> ° <u>40.07</u> W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std Value: _____ mL · L⁻¹

*Date Run: ____|____|____

Analyst: _____

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

UW / OSU CAST

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P20 Event #: 50 Ship: J.P. TULLY UTC Date (dd|mmm|yyyy): 7 | 6 | 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	400			55	✓ 55											
2	401			55	✓											
3	402			55	✓											
4	403			55	✓											
5	404			55	✓											
6	405			55	✓											
7	406			55	✓											
8	407			55	✓											
9	408			55	✓											
10	409			55	✓											
11	410			55	✓											
12	411			55	✓											
13	412			5	✓ 5											
14	413			5	✓											
15	414			5	✓											
16	415			5	✓											
17	416			5	✓											
18	417			5	✓											
19	418			5	✓											
20	419			5	✓											
21	420			5	✓											
22	421			5	✓											
23	422			5	✓											
24	423			5	✓											

Watchkeeper(s):

Bottom Depth: 3965 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0421	2121
Bottom	0422	2122
End	0427	2127

Positional Information

Start Lat: 49 ° 34.02 N
Lon: 138 ° 40.00 W

Bottom Lat: 49 ° 34.02 N
Lon: 138 ° 39.99 W

End Lat: 49 ° 34.00 N
Lon: 138 ° 40.00 W

Oxygen Info For This Cast

Blank Value: mL · L⁻¹

Std Value: mL · L⁻¹

*Date Run: | |

Analyst:

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

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: P22 Event #: 54 Ship: J.P. Tully UTC Date (dd|mmm|yyyy): 7 | June | 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	DMS					
1	425			10	☒ 10											
2	426			10	☒											
3	427			10	☒											
4	428	638		10	☒	☒	☒	☒	☒		☒					Program crash
5	429			5	☒ 5		☒	☒	☒							"Division by zero"
6																Sample value not
7																calculated.
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DA PA AM 3 Kings

Bottom Depth: 3896 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1819	
Bottom	1855	
End	1921	

Positional Information

Start Lat: 49 ° 41.99 N
Lon: 140 ° 39.98 W

Bottom Lat: 49 ° 42.02 N
Lon: 140 ° 39.98 W

End Lat: 49 ° 42.01 N
Lon: 140 ° 40.01 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: 2008-26Station: P23Event #: 55Ship: J. R. TULLYUTC Date (dd|mmm|yyyy): 7 | 6 | 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	DIC	PH					
1	430			2000				✓			✓✓✓						
2	431			2000							✓✓✓						
3	432										✓✓✓						
4	433										✓✓✓						
5	434										✓✓✓						
6	435											✓✓✓					
7	436											✓✓✓					
8	437											✓✓✓					
9	438											✓✓✓					
10	439											✓✓✓					
11	440																
12	441							✓									
13	442																
14	443																
15	444																
16	445																
17	446																
18	447																
19	448																
20	449																
21	450			2000													
22	451			2000													
23	452			2000													
24	453			5			✓	✓	✓								

Watchkeeper(s): DYBottom Depth: 7053 mTransmissio Cleaned: Y / N

	UTC	Local
Time Start	2350	1650
Bottom	0010	
End	0037	

Positional Information

Start
Lat: 49 ° 45.90 N
Lon: 141 ° 39.92 WBottom
Lat: 49 ° 45.98 N
Lon: 141 ° 39.99 WEnd
Lat: 49 ° 46.00 N
Lon: 141 ° 40.04 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std 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: 2008-26 Station: P24 Event #: 56 Ship: Tully UTC Date (dd|mmm|yyyy): 8 | 6 | 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 DMS						
1	454			10												
2	455			10												
3	456			10												
4	457	639	6.977	10		✓	✓	✓	✓	✓						
5	458			5			✓	✓	✓							
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DY

Bottom Depth: 3987 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0450	
Bottom	0521	
End	0550	

Positional Information

Start Lat: 49 ° 50.22 N
Lon: 142 ° 39.99 W

Bottom Lat: 49 ° 50.19 N
Lon: 142 ° 39.98 W

End Lat: 49 ° 50.21 N
Lon: 142 ° 39.94 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

IOS CAST

Rosette Log

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

Cruise ID: 2008-26

Station: P26

Event #: 59

Ship: J.P. TULLY

UTC Date (dd|mmm|yyyy): 8 | June | 2008

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	CH ₃ ALIC	NH ₄ DIC	PH	FCM	Guani	HR		
1	461	632	3.148	Bot-10	✓ 4315	✓	✓	✓	✓	✓						
2	462	76	3.091	4000	✓ 4000						✓	✓	✓✓	✓✓✓		
3	463	329	2.878	3500	✓ 3500			✓		✓	✓✓					
4	464	425	2.800	3000	✓ 3000		✓				✓	✓	✓✓	✓✓✓		
5	465	371	1.948	2500	✓ 2500			✓								
6	466	439	1.307	2000	✓ 1999						✓	✓	✓✓	✓✓✓		
7	467	456	0.635	1500	✓ 1501						✓					
8	468	462	0.443	1250	✓ 1250											
9	469	547	0.333	1000	✓ 1000						✓	✓	✓✓	✓✓✓		
10	470	471	0.420	800	✓ 800						✓					
11	471	557	0.463	600	✓ 600						✓					
12	472	2045	0.704	400	✓ 400						✓	✓	✓✓	✓✓✓		
13	473	559	1.129	300	✓ 300						✓	✓	✓✓	✓✓✓		
14	474	575	1.862	250	✓ 250	✓										
15	475	586	2.447	200	✓ 199						✓✓	✓	✓✓	✓✓✓		
16	476	589	3.057	175	✓ 175											
17	477	604	4.257	150	✓ 150						✓	✓	✓✓	✓✓✓		
18	478	605	6.866	125	✓ 124											
19	479	620	7.095	100	✓ 100						✓	✓	✓✓	✓✓✓		
20	480	611	7.115	75	✓ 74						✓					
21	481	621	7.121	50	✓ 49						✓	✓	✓✓	✓✓✓		
22	482	622	7.216	25	✓ 25						✓	✓	✓✓	✓✓✓		
23	483	631	7.239	10	✓ 10						✓	✓	✓✓	✓✓✓		
24	484	1216	7.110	5	✓ 5						✓					

Watchkeeper(s): DA et al

Bottom Depth: 4250? m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	1729	1029
Bottom	1856	1156
End	2030	1330

Positional Information

Start

Lat: 50 ° 00 03 N

Lon: 143 ° 00 00 W

Bottom

Lat: 49 ° 59.97 N

Lon: 144 ° 59.91 W

End

Lat: 50 ° 00 01 N

Lon: 144 ° 59 46 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

14 4746 647 1461 250

Oxy=Green Nuts=Orange

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26Station: P26Event #: 62Ship: J.P. TULLYUTC Date (dd|mmm|yyyy): 8 | 6 | 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 DMS	HPLC	DMS ₈	DMS ₆	phyla		
1	485			250	✓ 250											ONAR
2	486			200	✓ 199											ONAR
3	487			200	✓ 199		✓			✓		✓	✓			
4	488			175	✓ 175		✓			✓	✓					
5	489			150	✓ 150											ONAR
6	490			100	✓ 100											ONAR
7	491			100	✓ 100		✓		✓	✓	✓	✓	✓			
8	492			75	✓ 76		✓		✓	✓	✓✓					
9	493			75	✓ 75											ONAR
10	494			50	✓ 50		✓		✓	✓	✓	✓✓	✓✓			
11	495			50	✓ 50											OSU
12	496			40	✓ 40		✓		✓	✓	✓					
13	497			30	✓ 30		✓		✓	✓						
14	498			25	✓ 25		✓		✓	✓	✓✓					
15	499			25	✓ 25						✓✓					ANGELICA
16	500			20	✓ 20		✓		✓✓	✓✓		✓	✓			
17	501			15	✓ 15		✓✓		✓	✓						
18	502			10	✓ 10		✓		✓	✓	✓✓	✓	✓			
19	503			10	✓ 10						✓✓					ANGELICA
20	504			5	✓ 5		✓		✓	✓	✓✓					
21	505			5	✓ 5						✓✓			✓✓		ANGELICA
22	506			5	✓ 5											OSU
23	507			0	✓ 2.5		✓		✓	✓		✓	✓			
24																

Watchkeeper(s): DYBottom Depth: 4247 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2227	1527
Bottom	2232	1532
End	2249	1549

Positional Information		
Lat:	50 ° 0.03	N
Lon:	144 ° 59.94	W

Start

Lat:	50 ° 0.05	N
Lon:	144 ° 59.93	W

Bottom

Lat:	50 ° 0.09	N
Lon:	144 ° 59.90	W

End

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

③

DEEP ONAR CAST + UW

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26Station: P26Event #: 63Ship: J.P. TULLYUTC Date (dd|mmm|yyyy): 8 | 6 | 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	508			4000	✓ 4000											} ONAR
2	509			3000	✓ 3000											
3	510			2000	✓ 2000											
4	511			1000	✓ 1000											
5	512			500	✓ 500											
6	513			CHL MAX 37	✓ 37											
7	514			37	✓											
8	515			37	✓											
9	516			37	✓											
10	517			37	✓											
11	518			37	✓											
12	519			37	✓											
13	520			37	✓											
14	521			37	✓											
15	522			10	✓ 10											
16	523			10	✓											
17	524			10	✓											
18	525			10	✓											
19	526			10	✓											
20	527			10	✓											
21	528			10	✓											
22	529			10	✓											
23	530			10	✓											
24	531			10	✓											

Watchkeeper(s): DY etcBottom Depth: 4252 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	2346	
Bottom	0045	
End	0144	

Positional Information

Start

Lat: 49 ° 59.98 N

Lon: 144 ° 59.95 W

Bottom

Lat: 50 ° 0.13 N

Lon: 144 ° 59.82 W

End

Lat: 50 ° 0.27 N

Lon: 144 ° 59.67 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: 2008-26Station: P26Event #: 67Ship: J.P. DULLYUTC Date (dd|mmm|yyyy): 9 | 6 | 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	532			2000	✓ 1999			1								
2	533			2000	✓											
3	534			2000	✓											
4	535			2000	✓											
5	536			2000	✓											
6	537			2000	✓											
7	538			1000	✓ 1000											
8	539			1000	✓											
9	540			1000	✓											
10	541			1000	✓											
11	542			1000	✓											
12	543			1000	✓											
13	544			500	✓ 500											
14	545			500	✓											
15	546			500	✓											
16	547			500	✓											
17	548			500	✓											
18	549			500	✓											
19	550			10												
20	551			10												
21	552			10												
22	553			10												
23	554			10												} DAVID
24	555			10												

Watchkeeper(s): DYBottom Depth: 4252 mTransmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0355	2055
Bottom	0428	2128
End	0502	2202

Positional Information

Start	Lat: <u>50</u> ° <u>0.13</u> N
	Lon: <u>144</u> ° <u>59.92</u> W

Bottom	Lat: <u>50</u> ° <u>0.22</u> N
	Lon: <u>144</u> ° <u>59.94</u> W

End	Lat: <u>50</u> ° <u>0.36</u> N
	Lon: <u>144</u> ° <u>59.88</u> 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

THORUNN 1

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26

Station: P26

Event #: 69

Ship: J-P Tully

UTC Date (dd|mmm|yyyy): 7 | June | 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	556			5													
2	557			5													
3	558			5													
4	559			5													
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s):

DA

Bottom Depth: 4253 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1329	
Bottom	1330	
End	1331	

Positional Information

Start

Lat: 50 ° 00 .03 N

Lon: 147 ° 00 .00 W

Bottom

Lat: 50 ° 00 .03 N

Lon: 145 ° 00 .00 W

End

Lat: 50 ° 00 .03 N

Lon: 144 ° 59 .99 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

THORIUM 2
Rosette Log

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

Cruise ID: 2008-26 Station: P26 Event #: 74 Ship: J.P. TULLY UTC Date (dd|mmm|yyyy): 10 | June | 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	560			2500													
2	561			2500													
3	562			2500													
4	563			2500					✓								
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): DA KB

Bottom Depth: 4224 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1236	
Bottom	1317	
End	1345	

Positional Information
Start
Lat: 49 ° 59 99 N
Lon: 144 ° 59 95 W

Bottom
Lat: 49 ° 59 96 N
Lon: 144 ° 59 76 W

End
Lat: 49 ° 59 64 N
Lon: 144 ° 59 16 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

MOORING (Before)

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26

Station: MOORING

Event #: 75

Ship: J.P. TULLY

UTC Date (dd|mmm|yyyy): 10 | June | 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	pH					
1	564			50	✓							✓					ON AIR
2	565			30	✓							✓					
3	566			20	✓							✓					
4	567			10								✓					
5	568			5								✓					
6	569			0								✓					
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s):
DA

Bottom Depth: 4189 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1505	
Bottom	1508	
End	1517	

Positional Information

Lat:	50 ° 08 29	N
Lon:	144 ° 49 96	W

Start

▼

Lat:	50 ° 08 28	N
Lon:	144 ° 49 98	W

Bottom

▼

Lat:	50 ° 08 27	N
Lon:	144 ° 49 99	W

End

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

MOORING (AFTER)

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26Station: MOORINGEvent #: 80Ship: J.P. TULLYUTC Date (dd|mmm|yyyy): 11 | 6 | 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	pH	DIC	Alk			
1	570			50	✓ 50						✓					Keith
2	571			30	✓ 29						✓	✓	✓			} ON AR
3	572			20	✓ 19						✓	✓	✓			
4	573			10	✓ 10						✓	✓	✓			
5	574			5	✓ 5						✓	✓	✓			
6	575			0	✓ 2						✓	✓	✓			
7																
8																
9																
10																
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12																
13																
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17																
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19																
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22																
23																
24																

Watchkeeper(s):
DYBottom Depth: 4217 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	1928	
Bottom	1931	
End	1940	

Positional Information

Start	Lat: <u>50</u> ° <u>07.73</u> N
	Lon: <u>144</u> ° <u>49.48</u> W

Bottom	Lat: <u>50</u> ° <u>07.72</u> N
	Lon: <u>144</u> ° <u>49.48</u> W

End	Lat: <u>50</u> ° <u>07.73</u> N
	Lon: <u>144</u> ° <u>49.50</u> W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹Std 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: 2008-26 Station: M6 Event #: 84 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	576			30	☒												} 030
2	577			5	☒												
3	578			5	☒			☒	☒	☒							
4																	T03
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): DA et al

Bottom Depth: 245 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	0933	
Bottom	0937	
End	0943	

Positional Information

Start Lat: 51 ° 42 62 N
Lon: 129 ° 07 45 W

Bottom Lat: 51 ° 42 65 N
Lon: 128 ° 07 41 W

End Lat: 51 ° 42 64 N
Lon: 128 ° 07 38 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: 2008-26 Station: M4 Event #: 86 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	580	632	2.575	Bot-10	☒ 4125	☒	☒									
2	581	76	2.484	400	☒	☒	☒	☒								
3	582	329	2.855	350	☒	☒	☒	☒								
4	583	425	2.665	300	☒	☒	☒	☒								
5	584	371	2.786	250	☒	☒	☒	☒								
6	585	439	2.891	200	☒	☒	☒	☒								
7	586	456	2.962	175	☒	☒	☒	☒								
8	587	462	3.217	150	☒	☒	☒	☒								
9	588	547	3.615	125	☒	☒	☒	☒								
10	589	441	3.657	100	☒	☒	☒	☒	☒							
11	590	2040	3.391	75	☒	☒	☒	☒	☒							
12	591	509	3.600	50	☒	☒	☒	☒	☒							
13	592	575	4.430	25	☒	☒	☒	☒	☒							
14	593	586	5.389	10	☒	☒	☒	☒	☒							
15	594	589	6.826	5	☒	☒	☒	☒	☒							
16																
17	5890	557	3.444	100												
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Dactal

Bottom Depth: 435 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1046	
Bottom	1053	
End	1116	

Positional Information
Start
Lat: 51 ° 44 63 N
Lon: 128 ° 00 19 W

Bottom
Lat: 51 ° 44 64 N
Lon: 128 ° 00 13 W

End
Lat: 51 ° 44 62 N
Lon: 128 ° 00 30 W

Oxygen Info For This Cast
Blank Value: mL · L⁻¹
Std Value: mL · L⁻¹
*Date Run: | |
Analyst:

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

OXY: GR BOX
NUTS: BLUE RACK

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: M3 Event #: 87 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	595	1158	2.934	Bot-10	-	318	✓	✓									
2	596	605	2.829	250	✓		✓		✓								
3	597	620	3.411	200	✓		✓		✓								
4	598	611	3.387	175	✓		✓										
5	599	621	3.161	150	✓												
6	600	622	3.317	125	✓												
7	601	631	3.434	100	✓					✓							
8	602	1216	3.564	75	✓					✓							
9	603	1456	3.484	50	✓					✓✓							
* 10	604	1338	3.997	25	✓		✓			✓							
11	605	1341	4.858	10	✓		✓			✓							
12	606	1344	7.133	5	✓		✓	✓	✓	✓							
13																	
14	6040	1340	4.132	25													
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): DA et al

Bottom Depth: 321 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1149	
Bottom	1155	
End	1211	

Positional Information

Start Lat: 51 ° 46 25 N
Lon: 127 ° 54 58 W

Bottom Lat: 51 ° 46 25 N
Lon: 127 ° 54 61 W

End Lat: 51 ° 46 27 N
Lon: 127 ° 54 31 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

OPA: GRG RD.
NUTS: GREEN RACK

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: M2 Event #: 88 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	607	1347	3.339	Bot-10	✓	183	✓	✓									
2	608	1351	3.146	150	✓		✓	✓									
3	609	1354	3.592	125	✓				✓								
4	610	1356	3.412	100	✓					✓							
5	611	1358	3.749	75	✓					✓							
6	612	1360	3.496	50	✓					✓							
7	613	1361	3.956	25	✓					✓							
* 8	614	1362	5.023	10	✓		✓			✓							
9	615	1364	6.330	5	✓		✓	✓	✓	✓							
10																	
11	6140	1363	5.093	10													
12																	
13																	
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21																	
22																	
23																	
24																	

Watchkeeper(s): DA et al

Bottom Depth: 186 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1242	
Bottom	1245	
End	1253	

Positional Information

Start Lat: 51 ° 46 48 N
Lon: 127 ° 53 27 W

Bottom Lat: 51 ° 46 46 N
Lon: 127 ° 53 24 W

End Lat: 51 ° 46 47 N
Lon: 127 ° 53 25 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

OXY - Red case
NUTS - white rack

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: R21 Event #: 89 Ship: Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	616	1366	2.935	Bot-10	☒ 320	✓	✓									
2	617	1367	3.172	300	☒	✓		✓	✓							
3	618	1368	3.050	250	☒			✓								
* 4	619	1365	3.003	200	☒	✓		✓								
5	620	1375	3.074	175	☒											
6	621	1376	3.111	150	☒											
7	622	1327	3.381	125	☒											
8	623	1418	2.993	100	☒				✓							
9	624	1413	3.195	75	☒				✓							
10	625	1421	3.953	50	☒				✓							
11	626	1427	4.677	30	☒				✓							
12	627	1428	4.818	20	☒		✓		✓							
13	628	1426	4.861	10	☒				✓							
14	629	1429	6.449	5	☒	✓	✓	✓	✓							
15																
16	6190	1374	2.990	200												
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DA et al

Bottom Depth: 328 m

Transmissio Cleaned: (Y) / N

Time	UTC	Local
Start	1549	
Bottom	1554	
End	1609	

Positional Information

Start
Lat: 51 ° 26 40 N
Lon: 127 ° 38 16 W

Bottom
Lat: 51 ° 26 41 N
Lon: 127 ° 38 14 W

End
Lat: 51 ° 26 42 N
Lon: 127 ° 38 14 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

OXY - Red & Blue
Nuts Brown

Water Properties Group

Rosette Log

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

Cruise ID: 2008-26 Station: R1 2 Event #: 92 Ship: J. P. TULLY UTC Date (dd|mmm|yyyy): 14 | June | 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	630	1430	4.384	30	☒		☒	☒	☒	☒							
2	631	1433	4.706	20	☒		☒	☒	☒	☒							
3	632	1432	4.773	10	☒		☒	☒	☒	☒							
4	633	1434	6.085	5	☒		☒	☒	☒	☒							
5																	
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23																	
24																	

Watchkeeper(s): DA

Bottom Depth: 320 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1753	
Bottom	1759	
End	1807	

Positional Information
Start
Lat: 51 ° 31 24 N
Lon: 127 ° 33 62 W

Bottom
Lat: 51 ° 31 23 N
Lon: 127 ° 33 57 W

End
Lat: 51 ° 31 24 N
Lon: 127 ° 33 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: 2008-26 Station: R13 Event #: 93 Ship: J.P. Tully UTC Date (dd|mmm|yyyy): 14 | June | 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	634	1446	4.979	30	☒		☒	☒	☒	☒							
2	635	1445	4.521	20	☒		☒	☒	☒	☒							
3	636	1443	5.336	10	☒		☒	☒	☒	☒							
4	637	1440	6.546	5	☒		☒	☒	☒	☒							
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): DA et al

Bottom Depth: 304 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1847	
Bottom	1854	
End	1904	

Positional Information
Start
Lat: 51 ° 35 92 N
Lon: 127 ° 32 04 W

Bottom
Lat: 51 ° 35 92 N
Lon: 127 ° 32 07 W

End
Lat: 51 ° 35 94 N
Lon: 127 ° 32 09 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: 2008-26 Station: R04 Event #: 96 Ship: J.P. Tully UTC Date (dd|mmm|yyyy): 14 | 6 | 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	638	638	3.392	Bot-ro	✓ 289	✓	✓									
2	639	647	3.122	250	✓ 250	✓	✓	✓								
3	640	639	3.385	200	✓ 200	✓	✓	✓								
4	641	657	3.193	175	✓ 175	✓	✓									
5	642	700	3.384	150	✓ 150	✓	✓									
6	643	712	2.537	125	✓ 125	✓	✓									large bubble
7	644	1105	2.824	100	✓ 100	✓	✓		✓							
8	645	1110	3.028	75	✓ 75	✓	✓		✓							
9	646	1150	3.924	50	✓ 50	✓	✓		✓							
10	647	1223	4.368	30	✓ 30	✓	✓		✓							
11	648	1305	4.552	20	✓ 20	✓	✓		✓✓							
12	649	1301	5.345	10	✓ 10	✓	✓	✓	✓							
13	650	1302	6.198	5	✓ 5	✓	✓	✓	✓							
14																
15	6430	1174	2.396													
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): et al

Bottom Depth: 298 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	2033	
Bottom	2038	
End		

Positional Information

Start
 Lat: 51° 38.93 N
 Lon: 127° 26.79 W

Bottom
 Lat: 51° 38.94 N
 Lon: 127° 26.80 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