

Water Properties Group

Rosette Log

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

Cruise ID: 2011-63 Station: T1011 Event #: 003 Ship: Vector UTC Date (dd|mmm|yyyy): 15 | 08 | 2011

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	5	3166	4.685	B-5	68	✓								Endpoint noisy on this one. 13.0
2	6	3191	4.701	50	49	✓								13.1
3	7	2032	4.561	30	30	✓								Endpoint very noisy 12.9
4	8	1401	4.247	20	20	✓								12.7
5	9	3098	4.282	10	9	✓								12.3
6	10	3038	8.236	0	1.8	✓								Depth logged as 0 in AutoOxy 15.3
7	8	2035	4.238	20	20	✓								duplicate 12.7
8														
9														Sample #5 was
10														logged in AutoOxy as part of STN T102
11														0 (Event 1)
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): DS KC

Bottom Depth: 70 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1748	
Bottom		
End	1752	

Positional Information

Start Lat: 49° ° 9.919 N
 Lon: 123° ° 41.442 W

Start

Bottom

End

Lat: ° N
 Lon: ° W

Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0077 mL · L⁻¹
 Std Value: 0.7055 mL · L⁻¹
 *Date Run: 08 | 16 | 2011
 Analyst: 1-C

* 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: 2011 Station: TIO2 Event #: 1 Ship: Vector UTC Date (dd|mmm|yyyy): 227|008|2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	001	3040	/			49	X							TEMP(°C)
2	2	2064	/			40	X							13.5
3	3	471	/			35	X							13.5
4	4	3160	0.045			30	X							13.3
5														Forgot to collect
6														a duplicate on
7														this cast!
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Kristen

Bottom Depth: 49 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1629	
Bottom		
End	1637	

Positional Information

Start Lat: ° N
Lon: ° W

Bottom Lat: 49° 11.777 N
Lon: 125° 40.502 W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0077 mL · L⁻¹

Std Value: 0.7055 mL · L⁻¹

*Date Run: 08|16|2011

Analyst: Kristen

* 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: 2011-63

Station: TH01

Event #: 004

Ship: Vector

UTC Date (dd|mmm|yyyy): 16 | 08 | 2011

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	11	1497	-0.005	B-5	47	✓										13.4°C
2	12	3104		30	40	✓										13.3°C
3	13			20	35											13.4°C
4	14			10	30											
5	15			0	25											
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
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17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 49 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1605	
Bottom		
End	1613	

Positional Information

Start Lat: 49 ° 13.679 N

Lon: 125 ° 35.880 W

Bottom Lat: ° N

Lon: ° W

End Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0077 mL · L⁻¹

Std Value: 0.7055 mL · L⁻¹

*Date Run: 08 | 16 | 2011

Analyst: KC

* 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: 2011-63 Station: THADI Event #: 006 Ship: Vedat UTC Date (dd|mmm|yyyy): 16 | 08 | 2011

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	16	1492	0.018	B-5	119	XX										13.9
2	17	1317	0.042	B-5	119	XX										13.9
3	18	3174	0.035	700	100											13.9
4	19	3204	3.593	75	74											13.1
5	20	3142	4.088	50	50											12.9
6	21	3009	3.864	30	30											13.8
7	22	3209	4.000	20	20											12.2
8	23	3184	3.693	10	10											11.6
9	24	2084	7.656	0												13.5
10	17	3109	0.142		119	duplicate										
11	16	3171	0.018		119	duplicate										
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 122 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2027	
Bottom		
End		

Positional Information

Start Lat: 49 ° 12.142 N
 Lon: 125 ° 38.470 W

Bottom Lat: ° N
 Lon: ° W

End Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0017 mL • L⁻¹
 Std Value: 0.7055 mL • L⁻¹
 *Date Run: 08 | 16 | 2011
 Analyst: Kc

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

THAD2 - S20023

Water Properties Group

Rosette Log

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

Cruise ID: 2001-63Station: THAD2Event #: 007Ship: VectorUTC Date (dd|mmm|yyyy): 16 | 08 | 2011

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	1421		B-5		102	✓									Anoxic-titration aborted.	13.8
2	26	708	4.341	75		75	✓✓		✓								13.7
3	27	3181	4.574	50		50	✓		✓								12.9
4	28	1322	3.986	30		30	✓										12.5
5	29	1481	3.949	20		20	✓										12.1
6	30	3137	3.904	10		10	✓										11.5
7	31	3055	7.733	0		1.7	✓										13.7
8	32			20													
9	26	1488	4.366	2		75	duplicate										
10	30			10													
11	30			0													
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s):

Bottom Depth: 105 mTransmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start		
Bottom		
End	2120	

Positional Information

Start
Lat: 49° 10.926 N
Lon: 125° 38.768 WBottom
Lat: ° N
Lon: ° WEnd
Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0077 mL * L⁻¹Std Value: 0.7055 mL * L⁻¹*Date Run: 08 | 16 | 2011Analyst: KC

* 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: 2011-63 Station: THAD3 Event #: 008 Ship: Vector UTC Date (dd|mmm|yyyy): 16 | 08 | 2011

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	32	3007		B-5	70	✓										13.5°C
2	33	1400	4.694	50	50	✓										12.9
3	34	2033	4.376	30	30	✓										13.9
4	35	1311	4.061	20	20	✓										13.8
5	36	1490	4.157	10	10	✓										11.7
6	37	2069		0		✓										16.4
7																
8																
9																
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24																

Watchkeeper(s):

Bottom Depth: 73 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	<u>2146</u>	
Bottom		
End		

Positional Information

Lat: 49° 9.560 N

Lon: 125° 39.876 W

Start

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0577 mL · L⁻¹

Std Value: 0.7055 mL · L⁻¹

*Date Run: 08 | 16 | 2011

Analyst: KC

* 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: 2011-63 Station: TLA02 Event #: 009 Ship: Vector UTC Date (dd|mmm|yyyy): 16 | 08 | 2011

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	2065	4.698	B-3	65	✓										13.1
2	39	1489	4.556	50	50	/										12.9
3	40	1464	4.431	30	30	//										12.7
4	41	1387	4.130	20	20	/										12.2
5	42	638	6.483	10	10	/										11.7
6	43	1365	—	0	17	/	missed endpoint - stirrer turned off									13.4
7																
8																
9																
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24																

Watchkeeper(s): _____

Bottom Depth: 70 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		2216	
Bottom			
End			

Positional Information
 Lat: 49 ° 8.880 N
 Lon: 125 ° 41.900 W

Start

Bottom

End

Lat: ° N
 Lon: ° W

Lat: ° N
 Lon: ° W

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

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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-63

Station: 71A03

Event #: 10

Ship: Vector

UTC Date (dd|mmm|yyyy): 16|08|2011

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	44	2068	4.834	13.5	53	✓										13.3
2	45	1144	4.895	30	30	✓										13.1
3	46	6031	4.361	20	20	✓										12.4
4	47	468	4.399	10	10	✓										12.7
5	48	1475	6.027	0	1.7	✓										13.4
6																
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23																
24																

Watchkeeper(s): _____

Bottom Depth: 56 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		<u>2326</u>	
Bottom			
End			

Positional Information

Start Lat: 49 ° 7.50 N

Lon: 125 ° 44.315 W

Bottom Lat: ° N

Lon: ° W

End Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.077 mL · L⁻¹

Std Value: 0.7055 mL · L⁻¹

*Date Run: 08 | 16 | 2011

Analyst: KC

* 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: 2011-63 Station: C602 Event #: 012 Ship: Vector UTC Date (dd|mmm|yyyy): 17 | 08 | 2011

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	55	1123	4.878	135		146	✓									12.9
2	56	1330	4.883	125		125	✓									12.9
3	57	1411	4.895	100		100	✓									12.9
4	58	3151	—	75		75	✓	2.								12.9
5	59	1248	4.929	50		50	✓									12.9
6	60	1318	4.960	30		30	✓									12.9
7	61	2020	4.950	20		20	✓									13.9
8	62	1373	4.931	10		10	✓									13.9
9	63	1397	5.148	0		1.6	✓									13.4
10																
11																
12																
13																
14																
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16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 140 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0115	
Bottom		
End		

Positional Information

Start Lat: 49 ° 14.00 N
 Lon: 125 ° 45.49 W

Bottom Lat: ° N
 Lon: ° W

End Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0077 mL · L⁻¹
 Std Value: 0.7055 mL · L⁻¹
 *Date Run: 08 | 16 | 2011
 Analyst: KC

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

037

Water Properties Group

Rosette Log

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

Cruise ID: 2011-63

Station: CLO1

Event #: 13

Ship: Vector

UTC Date (dd|mmm|yyyy): 17 | 08 | 2011

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	64	1298		B-5	88	✓										12.7
2	65	528	4.828	75	75	✓										12.5
3	66	1408	4.933	50	50	✓✓										12.5
4	67	3206	4.938	30	30	✓										12.5
5	68	1392	4.944	20	20	✓										12.5
6	69	3090	4.988	70	10	✓										12.5
7	70	1404	4.986	0	1.6	✓										13.7
8																
9	67	3206	4.933			*duplicate										
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22																
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24																

Watchkeeper(s):

Bottom Depth: 94 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	01:59	
Bottom		
End		

Positional Information

Start Lat: 49 ° 14.46 N
Lon: 125 ° 49.23 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: mL * L⁻¹

Std Value: mL * L⁻¹

*Date Run: | |

Analyst:

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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-63

Station: EFO1

Event #: 14

Ship: Vector

UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	71	3191	3.591	B-5	32	✓										9.5°
2	72	3166	3.955	20	20	✓										10.7°
3	73	3160	6.640	10	10	✓										10.4
4	74	471	7.944	0	1.8	✓										18.1
5																
6																
7																
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23																
24																

Watchkeeper(s): _____

Bottom Depth: 33 m

Transmisso Cleaned: ☒ / N

	Time	UTC	Local
Start		0119	
Bottom			
End			

Positional Information
 Lat: 49° 05.552 N
 Lon: 125° 11.600 W

Start

Bottom

End

Lat: ° N
 Lon: ° W

Lat: ° N
 Lon: ° W

Oxygen Info For This Cast
 Blank Value: 0.0073 mL · L⁻¹
 Std Value: 0.7023 mL · L⁻¹
 *Date Run: 18 | 08 | 2011
 Analyst: KC

* 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: 2011-63 Station: EF02 Event #: 015 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	3040	1.129	B-5	66	✓								8.4
2	76	2032	1.169	50	50	✓								8.7
3	77	2035	2.299	30	30	✓								8.9
4	78	3098	3.835	20	20	✓								9.3
5	79	3038	6.051	10	10	✓								10.2
6	80	1497	8.624	0	1.8	✓								17.2
7														
8	76	1401	1.194		50	✓	duplicate							
9														
10														
11														
12														
13														
14														
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21														
22														
23														
24														

Watchkeeper(s): _____

Bottom Depth: 67 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0153	
Bottom		
End		

Positional Information

Start Lat: 49° 0' 5.010 N
Lon: 125° 0' 10.306 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹
Std Value: 0.7023 mL · L⁻¹
*Date Run: 18 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: EF03 Event #: 16 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	81	3174	—	B-5	114	✓										9.2
2	82	1317	—	100	100	✓										10.3
3	83	3109	0.614	75	75	✓										8.7
4	84	3171	1.197	50	50	✓										8.7
5	85	3104	2.941	30	30	✓										9.0
6	86	2084	4.146	20	20	✓										9.5
7	87	3184	5.577	10	10	✓										17.8
8	88	3209	8.606	0	1.9	✓										
9	84	1492	1.705			✓										
10																
11																
12																
13																
14																
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17																
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20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 110 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	<u>0256</u>	
Bottom		
End		

Positional Information

Start Lat: 49 ° 4.267 N
Lon: 125 ° 9.406 W

Start

Bottom Lat: ° N
Lon: ° W

Bottom

End Lat: ° N
Lon: ° W

End

Oxygen Info For This Cast

Blank Value: 0.0073 mL • L⁻¹
Std Value: 0.7023 mL • L⁻¹
*Date Run: 18 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: EF04 Event #: 17 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	89	3009	2.256	B-5	60	✓										12.1
2	90	3142	2.401	50	50	✓										8.6
3	91	1421	3.458	30	30	✓										8.8
4	92	708	4.043	20	20	✓										9.2
5	93	1488	5.300	10	10	✓										9.6
6	94	3181	8.072	0	1.9	✓										10.4
7																17.1
8	90	3204	2.409		50	✓	duplicate									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 64 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	03126	
Bottom		
End		

Positional Information

Start Lat: 49 ° 3.108 N
Lon: 125 ° 8.609 W

Start

Bottom Lat: ° N
Lon: ° W

Bottom

End Lat: ° N
Lon: ° W

End

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹
Std Value: 0.7023 mL · L⁻¹
*Date Run: 18 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: BF05 Event #: 18 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	95	1322	0.021	B-5	198											H2S Small 8.5
2	96	1481	0.078	175	175											H2S Small 8.4
3	97	3137	0.158	150	150											8.4
4	98	3055	1.596	125	125											8.4
5	99	3007	1.822	100	100											8.4
6	100	1400	1.920	75	75											8.4
7	101	2033	2.453	50	50											8.7
8	102	1311	2.409	30	30											9.4
9	103	2069	4.067	20	20											9.7
10	104	690	4.880	10	10											10.6
11	105	2065	8.222	0	2.1											
12																
13	102	1490	3.358													✓ Duplicate
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 204 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	0348	
Bottom		
End		

Positional Information

Start Lat: 49 ° 2.549 N
Lon: 125 ° 9.162 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹
Std Value: 0.7023 mL · L⁻¹
*Date Run: 18 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: PT01 Event #: 19 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	106	708	0.826			38	✓									
2	107	1421	0.765			38	✓									
3																
4																
5																
6																
7																
8																
9																
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24																

Watchkeeper(s):

Bottom Depth: 38 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1816	
Bottom		
End		

Positional Information
Start
Lat: 49 ° 2.138 N
Lon: 125 ° 12.691 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Oxygen Info For This Cast
Blank Value: 0.0073 mL • L⁻¹
Std Value: 0.7023 mL • L⁻¹
*Date Run: 19 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: P103 Event #: 21 Ship: Vector UTC Date (dd|mmm|yyyy): 19 | 08 | 2011

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	108	1488	1.206		44	✓										
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
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22																
23																
24																

Watchkeeper(s):

Bottom Depth: 44 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2056	
Bottom		
End		

Positional Information
Start Lat: 49 ° 1.608 N
Lon: 125 ° 15.582 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast
Blank Value: 0.0073 mL * L⁻¹
Std Value: 0.7023 mL * L⁻¹
*Date Run: 19 | 08 | 2011
Analyst: KC

* 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: 2011-63

Station: EF06

Event #: 023

Ship: Vector

UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

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	109	3181	0.534	B-5	153	x										8.3°C
2	110	1322	1.649	125	125	x										8.3°C
3	111	1481	1.799	100	100	x										8.5°C
4	112	3137	1.868	75	75	x										8.4
5	113	3055	2.418	50	50	x										8.7
6	114	3007	3.424	30	30	x										9.3
7	115	1400	4.033	20	20	x										9.8
8	116	2033	4.699	10	10	xx										10.6
9	117	1490	8.341	0	1.9	+										15.5
10																
11	116	1311	4.696		10	✓										
12																
13																
14																
15																
16																
17																
18																
19																
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22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 152 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	152	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 1.798 N

Lon: 125 ° 9.182 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹

Std Value: 0.7023 mL · L⁻¹

*Date Run: 19 | 08 | 2011

Analyst: KC

* 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: 2011-63 Station: EF07 Event #: 024 Ship: Vector UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	118	2067	1.633	B-5		118										8.5
2	119	690	1.760	100		100										8.7
3	120	2065	1.848	75		75										8.6
4	121	1489	2.365	50		50										8.8
5	122	1464	3.411	30		30										9.4
6	123	1365	3.845	20		20										9.9
7	124	638	4.767	10		10										11.9
8	125	3207	8.075	0		1.7										15.3
9																
10	124	1387	4.777			10										
11																
12																
13																
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24																

Watchkeeper(s): _____

Bottom Depth: 119 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0133	
Bottom		
End		

Positional Information

Start Lat: 49 ° 1.247 N
Lon: 125 ° 9.475 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹
Std Value: 0.7023 mL · L⁻¹
*Date Run: 19 | 08 | 2011
Analyst: KC

* 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: 2011-63 Station: FF08 Event #: 025 Ship: Vector UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

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	3191	1.776	B-5	83											8.5
2	127	3166	1.776	75	75											9.1
3	128	3160	2.307	50	50											8.6
4	129	471	3.326	30	30											10.0
5	130	2064	3.699	20	20											10.2
6	131	3040	4.526	10	10											11.0
7	132	2032	7.738	0	1.6											18
8																
9	131	1401	4.577	10												
10																
11																
12																
13																
14																
15																
16																
17																
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23																
24																

Watchkeeper(s): _____

Bottom Depth: 84 m

Transmissio Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0202	
Bottom		
End		

Positional Information

Start Lat: 49 ° 0.677 N
 Lon: 125 ° 10.249 W

Bottom Lat: ° N
 Lon: ° W

End Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0073 mL · L⁻¹
 Std Value: 0.7023 mL · L⁻¹
 *Date Run: 19 | 08 | 2011
 Analyst: VC

* 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: 2011-63 Station: EFP Event #: 26 Ship: Vector UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	133	2035	2.197	B-5		60										8.8
2	134	3098	2.362	30		50										9.5
3	135	3038	3.279	30		30										9
4	136	1497	3.748	20		20										9.9
5	137	1317	4.344	10		10										10.6
6	138			0		1.7										15.6
7																
8																
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24																

Watchkeeper(s):

Bottom Depth: 55 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0224	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 0.115 N

Lon: 125 ° 10.843 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7053 mL · L⁻¹

*Date Run: 08 | 20 | 2011

Analyst: KC

* 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: 2011-63

Station: EF10

Event #: 27

Ship: Vector

UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

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	139	3109	1.577	B-5	95											9.3
2	140	3171	1.641	75	75											8.7
3	141	1492	2.654	50	50											11.4
4	142	3104	3.291	30	30											
5	143	2084	3.664	20	20											
6	144	3184	4.394	10	10											10.7
7	145	3209	7.870	0	0											17.5
8																
9																
10																
11																
12																
13																
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19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 98 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	<u>0240</u>	
Bottom		
End		

Positional Information
 Start
 Lat: 48 ° 59.989 N
 Lon: 125 ° 11.224 W

Bottom
 Lat: ° N
 Lon: ° W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast
 Blank Value: 0.0047 mL · L⁻¹
 Std Value: 0.7053 mL · L⁻¹
 *Date Run: 08 | 20 | 2011
 Analyst: EC

* 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: 2011-63 Station: EF11 Event #: 28 Ship: UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

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	146	3009	—	B-5	83	Titration ran amuck - not sure										8.7°
2	147	3142	—	75	75	Again! even after flushing										9.3°
3	148	3204	2.430	50	50											9.2°
4	149	2068	3.364	30	30											10.1°
5	150	1144	3.745	20	20											10.4°
6	151	1631	4.865	10	10											10.9°
7	152	468	7.948	0	0											13.5°
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 86 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	08:12	
Bottom		
End		

Positional Information

Start Lat: 48 ° 59.132 N
Lon: 125 ° 11.051 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0047 mL • L⁻¹
Std Value: 0.7053 mL • L⁻¹
*Date Run: 08 | 20 | 2011
Analyst: JCC

* 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: 2011 Station: EF12 Event #: 029 Ship: Vector UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

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	1475	1.910	B-5	85											8.3°
2	154	745	1.900	75	75											8.7°
3	155	1300	2.767	50	50											8.9°
4	156	1395	3.456	30	30											11.7°
5	157	1321	3.916	20	20											10.0°
6	158	1406	4.669	10	10											11.1°
7	159	1407	7.943	0	0											16.5°
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
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21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 90 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	03:40	
Bottom		
End		

Positional Information

Start
 Lat: 46° 58.00 N
 Lon: 125° 10.53 W

Bottom
 Lat: ° N
 Lon: ° W

End
 Lat: ° N
 Lon: ° W

Oxygen Info For This Cast

Blank Value: 0.0047 mL * L⁻¹
 Std Value: 0.7053 mL * L⁻¹
 *Date Run: 08 | 20 | 2011
 Analyst: KC

* 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: 2011-63 Station: EF13 Event #: 030 Ship: Vector UTC Date (dd|mmm|yyyy): 20 | 08 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	160	1476	2.041	13.5	97											8.2°
2	161	1123	1.923	75	74											8.7°
3	162	1330	2.814	50	50											9.6°
4	163	1411	3.611	30	30											9.6°
5	164	1248	4.046	20	20											10.1°
6	165	3151	4.936	10	10											13.0°
7	166	1318	8.268	0	0											+5.4°
8																
9																
10																
11																
12																
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24																

Watchkeeper(s):

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

Time	UTC	Local
Start	0407	
Bottom		
End		

Positional Information
Start
Lat: 48 ° 56.495 N
Lon: 125 ° 10.698 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Oxygen Info For This Cast
Blank Value: 0.0047 mL • L⁻¹
Std Value: 0.7053 mL • L⁻¹
*Date Run: 08 | 20 | 2011
Analyst: KC

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