

Water Properties Group

Rosette Log

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

Cruise ID: 2011-76 Station: FRI Event #: 005 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	chl <i>CDOM</i>	NH ₄ <i>TOC</i>	DOC	PH	DP-AIK	DELTA		
1	01							✓	✓	✓	✓					
2	02						✓	✓				✓	✓	✓		
3																
4																
5																
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22																
23																
24																

Should be event #4

Watchkeeper(s): _____

Bottom Depth: 9.6 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start		
Bottom	<u>1733</u>	
End		

Positional Information

Start Lat: ° N
Lon: ° W

Bottom Lat: 49° 06.665 N
Lon: 123° 17.112 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: 2011-76 Station: FR2 Event #: 006 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 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	DOC	PH	DC	5180		
1	03							✓	✓	✓	✓	✓	✓	✓		
2	04						✓	✓			✓	✓	✓	✓		
3																
4																
5																
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24																

should be event #5

Watchkeeper(s):

Bottom Depth: 9.6 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start		
Bottom	<u>1745</u>	
End		

Positional Information

Start Lat: 49 ° 6.218 N
 Lon: 123 ° 18.047 W

Start

Bottom Lat: ° N
 Lon: ° W

Bottom

End Lat: ° N
 Lon: ° 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

Water Properties Group

Rosette Log

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

Cruise ID: 201-76

Station: FR3

Event #: 6

Ship: Vector

UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	chl <u>a</u>	NH ₄ <u>DOC</u>	DOC	pH	DIC/ALK	880		
1	05							✓	✓	✓	✓					
2	06						✓	✓				✓	✓	✓		
3																
4																
5																
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24																

Watchkeeper(s): _____

Bottom Depth: 74 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Start		
Bottom	<u>1804</u>	
End		

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: 49 ° 6.385 N
 Lon: 123 ° 19.608 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: 2011-76 Station: FR4 Event #: 7 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	chl	NH ₄	DOC	PH	DL	ACK	δ ¹⁸ O	
1	07				✓ 3			✓	✓	✓	✓					
2	08				✓ 3		✓	✓				✓	✓		✓	
3																
4																
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Watchkeeper(s):

Bottom Depth: 151 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	1817	
End		

Positional Information

Start Lat: 49 ° 6.682 N
Lon: 123 ° 21.019 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: 2011-716 Station: FR5 Event #: 8 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 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	chl b	chl c	chl d	chl e	
1	09				✓ 3			✓	✓	✓	✓	✓	✓	
2	10				✓ 3		✓	✓				✓	✓	
3														
4														
5														
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24														

Watchkeeper(s):

Bottom Depth: 182 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start		
Bottom	1830	
End		

Positional Information
Start
Lat: ° N
Lon: ° W

Bottom
Lat: 49 ° 7.060 N
Lon: 123 ° 22.420 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: 2011-76

Station: FR6

Event #: 9

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CHL CDM	NH ₄ TOC	DOC	PH	DIC Aik	880		
1	11				☒				☒	☒	☒	☒				
2	12				☒				☒	☒			☒	☒	☒	
3																
4																
5																
6																
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24																

Watchkeeper(s): _____

Bottom Depth: 208 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Time Start		
Bottom	<u>1846</u>	
End		

Positional Information
 Start
 Lat: 49 ° 7.373 N
 Lon: 123 ° 23.826 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: 2011-76 Station: FR7 Event #: 010 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 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 TDC	DOC	PH	DIC AIK	δ ¹⁸ O			
1	13				☒												
2	14				☒												
3																	
4																	
5																	
6																	
7																	
8																	
9																	
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21																	
22																	
23																	
24																	

Watchkeeper(s): _____

Bottom Depth: 250 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start		
Bottom	1902	
End		

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: 49 ° 7.837 N
 Lon: 123 ° 25.184 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: 2011-76 Station: F-R8 Event #: 11 Ship: VGC 907R UTC Date (dd|mmm|yyyy): 25 | 11 | 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	DOC	pH	DIC	Alk	SiO ₄	
1	15				-	2.8			✓	✓	✓	✓					
2	16				✓	2.8		✓	✓				✓	✓	✓		
3																	
4																	
5																	
6																	
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22																	
23																	
24																	

Watchkeeper(s): _____

Bottom Depth: 322 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start		
Bottom	<u>1923</u>	
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 8.696 N

Lon: 123 ° 78.643 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: 2011-76 Station: FR9 Event #: 12 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 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	DOC	PH	DIC	AIR	80	
1	17															
2	18															
3																
4																
5																
6																
7																
8																
9																
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22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 348 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start		
Bottom	2008	
End		

Positional Information

Lat:	°	N
Lon:	°	W

Start

Bottom

Lat:	49 °	9.331	N
Lon:	123 °	30.942	W

Bottom

End

Lat:	°	N
Lon:	°	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

Water Properties Group

Rosette Log

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

Cruise ID: 2011-76 Station: FR10 Event #: 13 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CH ₄ DOM	NH ₄ TOC	DOC	pH	DIC	Alk	SiO ₄	
1	19				☒	2.8		☒	☒	☒	☒					
2	20				☒	2.8	☒	☒				☒	☒	☒		
3																
4																
5																
6																
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19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 372 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	2031	
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 9.908' N

Lon: 123 ° 32.886' 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: 2011-76 Station: SOGS Event #: 16 Ship: VECTOR UTC Date (dd|mmm|yyyy): 25 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓	Pressure	Oxy	Nut	Sal	chl CO ₂ /M	NH ₄ TDC	DOC	PH	DIC AIK	δ ¹⁸ O		
1	21			POT-5		313	✓✓		✓	✓✓	✓✓	✓✓					8.8°C
2	22					313		✓✓	✓				✓✓	✓✓	✓✓		
3	23			250		252	✓		✓	✓	✓	✓					8.4
4	24					252		✓	✓				✓✓	✓	✓		
5	25			200		206	✓		✓	✓	✓	✓					8.7
6	26					201		✓	✓				✓	✓	✓		
7	27			150		151	✓✓		✓	✓✓	✓✓	✓✓					8.5
8	28					151		✓✓	✓				✓✓	✓✓	✓✓		
9	29			100		100	✓		✓	✓	✓	✓					8.7
10	30					100		✓	✓	✓	✓	✓	✓✓	✓	✓		
11	31			75		75	✓		✓	✓	✓	✓					8.7
12	32					75		✓	✓				✓✓	✓	✓		
13	33			50		50	✓		✓	✓	✓	✓					8.8
14	34					50		✓	✓				✓✓	✓	✓		
15	35			25		25	✓	✓	✓	✓	✓	✓	✓	✓	✓		* did not fire.
16	36					25		✓	✓				✓	✓	✓		add H ₂ O taken from 16
17	37			15		15	✓		✓	✓	✓	✓					8.7
18	38					15		✓	✓				✓✓	✓	✓		
19	39			10		10	✓		✓	✓	✓	✓					8.5
20	40					10		✓	✓				✓✓	✓	✓		
21	41			5		5	✓		✓	✓	✓	✓					8.2
22	42					5		✓	✓				✓✓	✓	✓		
23	43			0		2.5	✓✓	✓	✓	✓✓	✓	✓					8.0
24	44					2.5		✓	✓				✓✓	✓✓	✓✓		

Watchkeeper(s): _____

Bottom Depth: 316 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		2324	
Bottom			
End			

Positional Information

Start

Lat: 49 ° 1.426 N

Lon: 123 ° 25.828 W

Bottom

Lat: ° 1.451 N

Lon: ° 25.874 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: 2011-76

Station: SOGN

Event #: 18

Ship: VECTAR

UTC Date (dd/mmm/yyyy): 27 | 11 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	CHL CDOM	NH ₄ TOC	DOC	PH	DIC ALK	SIO ₄		
1	45			Bot-5	324	✓✓		✓	✓✓	✓✓	✓✓					9.7°
2	46				324		✓✓	✓				✓✓	✓✓	✓✓		
3	47			250	252	✓		✓	✓	✓						9.0°
4	48				252		✓	✓				✓✓	✓	✓		
5	49			200	201	✓		✓	✓	✓						9.0
6	50				201		✓	✓				✓✓	✓	✓		
7	51			150	151	✓✓		✓	✓✓	✓✓	✓✓					9.1
8	52				151		✓✓	✓				✓✓	✓✓	✓✓		
9	53			100	101	✓		✓	✓	✓						8.9
10	54				101		✓	✓				✓✓	✓	✓		
11	55			75	76	✓		✓	✓	✓						8.7
12	56				76		✓	✓				✓✓	✓	✓		
13	57			50	50	✓		✓	✓	✓	✓					8.7
14	58				50		✓	✓				✓✓	✓	✓		
15	59			25	26	✓	✓	✓	✓	✓	✓	✓				
16	60				26	✓	✓	✓	✓	✓	✓	✓	✓	✓		8.7
17	61			15	15	✓		✓	✓	✓	✓					8.7
18	62				15		✓	✓				✓✓	✓	✓		
19	63			10	10	✓		✓	✓	✓	✓					8.7
20	64				10		✓	✓				✓	✓	✓		
21	65			5	5	✓		✓	✓	✓	✓					8.7
22	66				5		✓	✓	✓	✓	✓	✓	✓	✓		
23	67			0		✓✓		✓	✓✓	✓✓	✓✓					8.7
24	68						✓	✓				✓✓	✓✓	✓✓		

Watchkeeper(s): _____

Bottom Depth: 330 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1609	
Bottom	1618	
End	1636	

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 50.294 N

Lon: 124 ° 52.262 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

BOTTLE 15 DID NOT FIRE SO ALL WATER CAME FROM BOT 16