

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: SOG N Event #: 11 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | July | 2012

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	TSS	CDOM	PH	DIC	Alk	
1	21			POT-5	✓ 328	✓✓		✓		✓✓	✓✓	✓✓				
2	22			POT-5	✓ 328		✓✓	✓	✓✓				✓✓✓	✓✓		
3	23			250	✓ 249.9	✓x6		✓		✓	✓	✓				
4	24			250	✓ 249.9		✓	✓	✓				✓	✓		
5	25			200	✓ 200.1	✓		✓		✓	✓	✓				
6	26			200	✓ 200.1		✓	✓	✓				✓	✓		
7	27			150	✓ 149.9	✓✓		✓		✓✓	✓✓	✓✓				
8	28			150	✓ 149.9		✓✓	✓	✓✓				✓	✓✓		
9	29			100	✓ 100.0	✓		✓		✓	✓	✓				
10	30			100	✓ 100.0		✓	✓	✓				✓	✓		
11	31			75	✓ 75.1	✓x6		✓		✓	✓	✓				
12	32			75	✓ 75.1		✓	✓	✓				✓	✓		
13	33			50	✓ 50.1	✓		✓		✓	✓	✓				
14	34			50	✓ 50.1		✓	✓	✓				✓	✓		
15	35			25	✓ 25.3	✓		✓		✓	✓	✓				
16	36			25	✓ 25.3		✓	✓	✓				✓	✓		
17	37			15	✓ 14.9	✓		✓		✓	✓	✓				
18	38			15	✓ 14.9		✓	✓	✓				✓✓✓	✓		
19	39			10	✓ 10.4	✓		✓	✓	✓	✓	✓				
20	40			10	✓ 10.4		✓	✓	✓				✓	✓		
21	41			5	✓ 5.2	✓x6		✓		✓	✓	✓				
22	42			5	✓ 5.2		✓	✓	✓				✓✓✓	✓		
23	43			0	✓ 1.2	✓✓		✓		✓✓	✓✓	✓✓				
24	44			0	✓ 1.2		✓✓	✓	✓✓				✓	✓		

Watchkeeper(s): KS/SJ/GAC

Bottom Depth: 332 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1405	
Bottom	1412	
End	1430	

Positional Information

Start

Lat: 49° 50.173 N

Lon: 124° 52.226 W

Bottom

Lat: 49° 50.154 N

Lon: 124° 52.204 W

End

Lat: 49° 50.149 N

Lon: 124° 52.220 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: 2012-57 Station: SOGS Event #: 01X3 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | July | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	chl	DOC	TOC	CDOM	pH	DIC	ALK	
1	45			Bot-5	✓ 310.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	46			Bot-5	✓ 310.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	47			250	✓ 250.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	48			250	✓ 250.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	49			200	✓ 200.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	50			200	✓ 200.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	51			150	✓ 150.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	52			150	✓ 150.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	53			100	✓ 100.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10	54			100	✓ 100.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	55			75	✓ 75.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	56			75	✓ 75.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	57			50	✓ 50.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
14	58			50	✓ 50.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	59			25	✓ 24.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	60			25	✓ 24.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	61			15	✓ 14.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	62			15	✓ 14.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	63			10	✓ 10.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	64			10	✓ 10.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
21	65			5	✓ 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
22	66			5	✓ 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
23	67			0	✓ 0.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
24	68			0	✓ 0.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Watchkeeper(s): KS/ST/GAC

Bottom Depth: 315 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1420	
Bottom	1426	
End	1445	

Positional Information

Start	Lat:	49 ° 1.410	N
	Lon:	123 ° 25.836	W
Bottom	Lat:	49 ° 1.415	N
	Lon:	123 ° 25.831	W
End	Lat:	49 ° 1.414	N
	Lon:	123 ° 25.850	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: 2012-57 Station: FR2 Event #: 01 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | July | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments	
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CHL 0.18	NH₄ DOC	TOC	CO ₂	PH	PIC ALK			
1	01			Φ	✓	S		✓		✓	✓	✓	✓	✓			
2	02			Φ	✓			✓	✓	✓				✓✓✓	✓		
3																	
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23																	
24																	

Watchkeeper(s): KS.

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2226	
Bottom		
End		

Positional Information
 Start Lat: 49 ° 6.212 N
 Lon: 123 ° 18.044 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 Rup. ____ | ____ | ____
 Analyst: _____

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

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FRI Event #: 002 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 07 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	chl 018 a	NH ₄ DOC	TOC	CDOM	pH	DC Atk		
1	3	*		0				✓	✓✓	✓✓	✓✓	✓✓✓	✓✓			
2	4	*		0			✓✓	✓	✓✓							
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This is a replacement sheet original was "lost to the wind" and flew out the door.

CW

Watchkeeper(s): _____

Bottom Depth: 9 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	<u>2239</u>	
Bottom		
End		

Positional Information

Start Lat: 49 ° 6.816 N
 Lon: 123 ° 16.643 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

See Kenny

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR3 Event #: 003 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | July | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	CHL DIS	NH ₄ DOC	TOC	CDOM	PH	DIC ALK		
1	05			Ø	✓			✓		✓	✓	✓				
2	06			Ø	✓		✓	✓	✓				✓	✓		
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Watchkeeper(s):
KS/SJ/GAC

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2259	
Bottom		
End		

Positional Information

Start
Lat: 49 ° 6.395 N
Lon: 123 ° 19.586 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

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR5 Event #: 05 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | July | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl <u>0.8</u>	NH ₄ <u>Dec</u>	TOC	CDOM	pH	PIC	AIK	
1	09			Ø	✓			✓		✓✓	✓✓	✓✓				
2	10			Ø	✓		✓✓	✓	✓✓				✓✓✓	✓✓		
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Watchkeeper(s): KS / SS / GAC

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

Time	UTC	Local
Start	<u>2327</u>	
Bottom		
End		

Positional Information
Start
Lat: 49 ° 7.080 N
Lon: 123 ° 22.417 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

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR6 Event #: 06 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | July | 2012

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	CDOM	PH	DIC	Alk	
1	11			0	☒											
2	12			0	☒											
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Watchkeeper(s): XS / SJ / GAC

Bottom Depth: 105 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2345	
Bottom		
End		

Positional Information

Start Lat: 49 ° 7.362 N
Lon: 123 ° 23.645 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

NO 619600

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR4 Event #: 04 Ship: Vector UTC Date (dd|mmm|yyyy): 14 | July | 2012

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>DOE</u>	TOC	CDOM	PH	DIC	Alk.	
1	07			0	☒											
2	08			0	☒											
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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/>

NO OXYGEN

Watchkeeper(s): KS SJ GAC

Bottom Depth: 150 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2311	
Bottom		
End		

Positional Information

Start

Lat: 49 ° 6.688 N

Lon: 123 ° 20.990 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: 2012-57

Station: FR7

Event #: 07

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 15 July 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments	
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	CH ₃ CO ₂	NH ₄	DOC	DOM	PH		DIC A/K
1	13			Ø	✓										
2	14			Ø	✓		✓	✓	✓				✓✓✓	✓	
3															
4															
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Watchkeeper(s): KS/SJ/GAC

Bottom Depth: 280 m

Transmisso Cleaned: ✓ / N

Time	UTC	Local
Start	<u>0035</u>	
Bottom		
End		

Positional Information

Start Lat: 49° 8.100 N
Lon: 123° 26.102 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

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR8 Event #: 08 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | July | 2012

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	TOC	CDDM	PH	DIC	Alk	
1	15			0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2	16			0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
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Watchkeeper(s): KS/SJ/GAC

Bottom Depth: 321 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0051	
Bottom		
End		

Positional Information

Start
 Lat: 49 ° 8.660 N
 Lon: 123 ° 28.553 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

NO OXYGEN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FR9 Event #: 09 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | July | 2012

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	TSS	CDOM	PH	DIC	Alk	
1	17			0	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	18			0	✓		✓	✓	✓	✓				✓	✓	✓	
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22																	
23																	
24																	

Watchkeeper(s): KS/SJ/GAC

Bottom Depth: 350 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	0121	
Bottom		
End		

Positional Information

Start Lat: 49 ° 9.301 N
Lon: 123 ° 30.874 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

NO OX46EN

Water Properties Group

Rosette Log

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

Cruise ID: 2012-57 Station: FRIO Event #: 10 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | July | 2012

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	CDOM	PH	PIC	ATC	
1	19			Ø				✓		✓	✓	✓				
2	20			Ø			✓	✓	✓				✓	✓		
3																
4																
5																
6																
7																
8																
9																
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17																
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19																
20																
21																
22																
23																
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Watchkeeper(s): K5/SS/GAC

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0136	
Bottom		
End		

Positional Information

Start Lat: 49° 9.887 N
Lon: 123° 32.833 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

NO OXYGEN