

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: SOGS Event #: 005 Ship: VECTOR UTC Date (dd|mmm|yyyy): 12 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	PH _{aw}	NH ₄ DIC	δ ¹⁸	DOC	TOC	CDOM		
1	001			BOT	312	✓	✓	✓				✓	✓	✓		
2	002			BOT	312	✓	✓	✓	✓	✓	✓					
3	003			250	250	✓		✓				✓	✓	✓		
4	004			250	250	✓	✓	✓	✓	✓	✓					
5	005			200	200	✓		✓				✓	✓	✓		
6	006			200	200	✓	✓	✓	✓	✓	✓					
7	007			150	150	✓		✓				✓	✓	✓		
8	008			150	150	✓	✓	✓	✓	✓	✓					
9	009			100	100	✓		✓				✓	✓	✓		
10	010			100	100	✓	✓	✓	✓	✓	✓					
11	011			75	75	✓		✓				✓	✓	✓		
12	012			75	75	✓	✓	✓	✓	✓	✓					
13	013			50	50	✓		✓				✓	✓	✓		
14	014			50	50	✓	✓	✓	✓	✓	✓					
15	015			25	25	✓		✓				✓	✓	✓		
16	016			25	25	✓	✓	✓	✓	✓	✓					
17	017			15	15	✓		✓				✓	✓	✓		
18	018			15	15	✓	✓	✓	✓	✓	✓					
19	019			10	10	✓		✓				✓	✓	✓		
20	020			10	10	✓	✓	✓	✓	✓	✓					
21	021			5	5	✓		✓				✓	✓	✓		
22	022			5	5	✓	✓	✓	✓	✓	✓					
23	023			φ	1	✓		✓				✓	✓	✓		
24	024			φ	1	✓	✓	✓	✓	✓	✓					

Watchkeeper(s): DJS

Bottom Depth: 317 m

Transmisso Cleaned: (Y) N

	Time	UTC	Local
Start		<u>1526</u>	
Bottom		<u>1533</u>	
End		<u>1551</u>	

Positional Information

Lat: 49 ° 1.532 N

Lon: 123 ° 25.874 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

Oxy } all bottles
 Sal } all bottles
 EVEN BOTTLES = DOC, CDOM, TOC
 ODD BOTTLES = PH, DIC/AIK, δ¹⁸, nuts

Water Properties Group

Rosette Log

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

Cruise ID: 202-19 Station: 506N Event #: 007 Ship: VECTOR UTC Date (dd|mmm|yyyy): 03 | 04 | 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	SiB	POC	TOC	C DOM		
1	045			BOT	329	✓✓		✓✓				✓✓	✓✓	✓✓		
2	046			BOT	329	✓	✓✓	✓	✓✓	✓✓	✓✓					
3	047			250	250	✓		✓				✓	✓	✓		
4	048			250	250	✓	✓	✓	✓	✓	✓					
5	049			200	200	✓		✓				✓	✓	✓		
6	050			200	200	✓	✓	✓	✓	✓	✓					
7	051			150	150	✓✓		✓✓				✓✓	✓✓	✓✓		
8	052			150	150	✓	✓✓	✓	✓✓	✓✓	✓✓					
9	053			100	100	✓		✓				✓	✓	✓		
10	054			100	100		✓	✓	✓	✓	✓					
11	055			75	75	✓		✓				✓	✓	✓		
12	056			75	75	✓	✓	✓	✓	✓	✓					
13	057			50	50	✓		✓				✓	✓	✓		
14	058			50	50	✓	✓	✓	✓	✓	✓					
15	059			25	25	✓		✓				✓	✓	✓		
16	060			25	25	✓	✓	✓	✓	✓	✓					
17	061			15	15	✓		✓	✓	✓	✓	✓	✓	✓		
18	062			15	15	✓	✓	✓	✓	✓	✓					
19	063			10	10	✓		✓				✓	✓	✓		
20	064			10	10	✓	✓	✓	✓	✓	✓					
21	065			5	5	✓		✓				✓	✓	✓		
22	066			5	5	✓	✓	✓	✓	✓	✓					
23	067			0	1	✓✓		✓✓				✓✓	✓✓	✓✓		
24	068			0	1	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓					

Watchkeeper(s): DJS

Bottom Depth: 336 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		1534	
Bottom		1541	
End		1557	

Positional Information

Start Lat: 49 ° 50.150 N

Lon: 124 ° 52.084 W

Start

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

Sal = 002 Bottle

ODD # BOTTLES = POC, TOC, C DOM, DO

EVEN # BOTTLES = PH, DIC / Alk, SiB, NUTS

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FRI Event #: 9 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 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 COOH	NH ₄	Si	DIC	TOC	CDOM		
1	025			Ø		—		✓	✓	✓	✓	✓	✓	✓		
2	026			Ø		—	✓	✓	✓	✓	✓					
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Watchkeeper(s): _____

Bottom Depth: 10 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	1429	
End		

Positional Information
 Lat: 49 ° 6.823 N
 Lon: 123 ° 16.667 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

NO OXY

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR2 Event #: 10 Ship: Vector UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken									Comments	
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	PH ^{PH}	NH₄ ^{NH₄}	SiB ^{SiB}	DOC ^{DOC}	TOC ^{TOC}	CDOM ^{CDOM}		
1	027			Ø			—		✓				✓	✓	✓	
2	028			Ø			—	✓	✓	✓	✓					
3																
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Watchkeeper(s): _____

Bottom Depth: 10 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start			
Bottom		1447	
End			

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 6.188 N

Lon: 123 ° 18.042 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 OXY

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR3 Event #: 11 Ship: Vector UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken			CH ₄ PH ₂	NH ₄ DIC	OB	DOC	TOC	CDOM	Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal							
1	029			0		-		✓				✓	✓	✓	
2	030			0		-	✓	✓	✓	✓	✓				
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24															

Watchkeeper(s):

Bottom Depth: 89 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start		
Bottom	1502	
End		

Positional Information
Start
Lat: 49 ° 6.359 N
Lon: 123 ° 19.580 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 OXY

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR4 Event #: 12 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 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	NO ₃ ⁻	NO ₂ ⁻	SiO ₄	DOC	TSS	DOM	
1	031			0		-		✓					✓	✓	✓	
2	032			0		-	✓	✓	✓	✓	✓					
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Watchkeeper(s):

Bottom Depth: 147 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start		
Bottom		
End	1514	

Positional Information
Start
Lat: ° N
Lon: ° W

Bottom
Lat: ° N
Lon: ° W

End
Lat: 49 ° 6.624 N
Lon: 123 ° 20.963 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 OK4

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FRS Event #: 13 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04|04|2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	chl PH	NH ₄ DIC	818	DOC	TOC		CDOM	
1	033			φ			—		✓			✓	✓	✓	✓	
2	034			φ			—	✓	✓	✓	✓	✓	✓	✓	✓	
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Watchkeeper(s): _____

Bottom Depth: 182 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start		
Bottom	<u>1525</u>	
End		

Positional Information
 Start
 Lat: 49 ° 7.032 N
 Lon: 123 ° 22.372 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 OXY

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR6 Event #: 14 Ship: Vector UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	CH ₄ PH ₂	NH ₄ DIC	SiO ₄	DOC	TOC	CDOM		
1	035			Ø			—		✓	✓	✓	✓	✓	✓		
2	036			Ø			—	✓	✓	✓	✓	✓	✓	✓		
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Watchkeeper(s):

Bottom Depth: 288 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start		
Bottom	1538	
End		

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: 49 ° 7.355 N
 Lon: 123 ° 23.761 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 oxy

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR7 Event #: 15 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken									Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CH ₄ PH ₂	NH ₄ DIC	SIB	DOC	TDC	CDOM		
1	037			0			-		✓				✓	✓	✓	
2	038			0			-	✓	✓	✓	✓	✓	✓			
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Watchkeeper(s):

Bottom Depth: 270 m
Transmisso Cleaned: ☒ N

Time	UTC	Local
Start		
Bottom	155	
End		

Positional Information
Start
Lat: ° N
Lon: ° W

Bottom
Lat: 49 ° 8.029 N
Lon: 123 ° 26.112 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

no oxy

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FK8 Event #: 16 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CH ₄ P ₂ H ₄	NH ₄ DC	SiO ₄	BOL	TOC	LDOM		
1	039			0		-		✓	✓	✓	✓	✓	✓	✓		
2	040			0		-	✓	✓	✓	✓	✓	✓	✓	✓		
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Watchkeeper(s):

Bottom Depth: 320 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Time Start		
Bottom	1611	
End		

Positional Information
Start Lat: 49 ° 8.688 N
Lon: 123 ° 28.554 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 Oxy

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR9 Event #: 17 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken							Comments			
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	CHT pH	NH ₄ DIC	SiB	DOL		TDc	CDOM	
1	041			Ø				—		✓			✓	✓	✓	
2	042			Ø				—	✓		✓	✓				
3																
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24																

Watchkeeper(s): _____

Bottom Depth: 349 m

Transmisso Cleaned: Q / N

	UTC	Local
Start		
Bottom	<u>1627</u>	
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49 ° 9.342 N

Lon: 123 ° 30890 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 OXY

Water Properties Group

Rosette Log

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

Cruise ID: 2012-19 Station: FR10 Event #: 18 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | 04 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	chl	PH	SiO ₄	NO ₃	PO ₄	TSS	DOM	
1	043			0		-		✓					✓	✓	✓	
2	044			0		-	✓	✓	✓	✓	✓	✓				
3																
4																
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24																

Watchkeeper(s):

Bottom Depth: 373 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	1642	
End		

Positional Information		
Start	Lat:	° N
	Lon:	° W
Bottom	Lat:	49 ° 9.925 N
	Lon:	123 ° 32.824 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 OXY