

Water Properties Group

Rosette Log

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

Cruise ID: 2011-60 Station: FRI Event #: 3 Ship: VECTOR ~~UTC~~ ^{UTC} Date (dd|mmm|yyyy): 06 | 08 | 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 del ^{del} ₂	NH ₄ ^{del} ₂	COM	TOC		DOC	pH	
1	001			surf	2						XX	XX	XX	XX		
2	002			surf	2		XX	XX	XX	XX						
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Watchkeeper(s): Sophier Kyle

Bottom Depth: 89 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start		
Bottom		0245
End		

Positional Information

Start

Lat: 49 ° 6.890 N

Lon: 123 ° 17.101 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 DO ON FR
transect

Water Properties Group

Rosette Log

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

Cruise ID: 2011-60 Station: FR2 Event #: 4 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06|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 ^{De18}	NH ₄ ^{DAC}	DOM ^{DAC}	TOC	DOC	PH		
1	003			surf	1.5							✓	✓	✓	✓	
2	004			surf	1.5		✓	✓	✓	✓						
3																
4																
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Watchkeeper(s): _____

Bottom Depth: 10 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		0313
End		

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: 49° 6.223 N
 Lon: 123° 18.103 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 DO
on FR Transect

Water Properties Group

Rosette Log

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

Cruise ID: 2011-60 Station: FR3 Event #: 5 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | 08 | 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 <u>8.18</u>	NH ₄ <u>D/E</u>	CDOM <u>0.001</u>	TOC		DOC	pH	
1	005			<u>Surf</u>		1.8					☒	☒	☒	☒	☒	
2	006			<u>Surf</u>		1.8		☒	☒	☒						
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Watchkeeper(s): _____

Bottom Depth: 88 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Time		
Start		
Bottom	<u>0333</u>	
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49° ° 6.391 N

Lon: 123° ° 19.585 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: 2011-60 Station: FR4 Event #: 6 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | 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	CDOM	TOC	DOC		pH	
1	007			Surf		1.8						✓	✓	✓	✓	
2	008			Surf				✓	✓	✓	✓					
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom	0352	
End		

Positional Information
Start
Lat: ° N
Lon: ° W

Bottom
Lat: 49 ° 6.683 N
Lon: 123 ° 21.019 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: 2011-60 Station: FRS Event #: 7 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06|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 DIA	CDOM	TOC		DOC	PH	
1	009			Surf							✓✓	✓✓	✓✓	✓✓		
2	010			Surf			✓✓	✓✓	✓✓	✓✓						
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Watchkeeper(s): DSK

Bottom Depth: 182 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start		
Bottom	<u>4:16</u>	
End		

Positional Information

Start
Lat: ° N
Lon: ° W

Bottom
Lat: 49 ° 7.080 N
Lon: 123 ° 22.393 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: 2011-60 Station: FR6 Event #: 8 Ship: Vedros UTC Date (dd|mmm|yyyy): 06 | 08 | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	OH ⁻ de118	NH ₄ ⁺ DIA	CO ₃ ²⁻ COOM	TOC	DOC	PH		
1	011			Surf								✓	✓	✓	✓	
2	012			Surf			✓	✓	✓	✓						
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Watchkeeper(s): _____

Bottom Depth: 210 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start			
Bottom		441	
End			

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49° 07.381 N

Lon: 123° 023.798 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: 2011-60 Station: FR7 Event #: 9 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | 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 DIA	CDOM	DOC	DOC		pH	
1	013			Surf	1.6						✓	✓	✓	✓		
2	014			Surf	1.6		✓	✓	✓	✓						
3																
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Watchkeeper(s): _____

Bottom Depth: 255 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start			
Bottom		0502	
End			

Positional Information

Start
 Lat: ° N
 Lon: ° W

Bottom
 Lat: 49 ° 7.854 N
 Lon: 123 ° 25.208 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: 2011-60 Station: FR8 Event #: 10 Ship: VECTOP UTC Date (dd|mmm|yyyy): 06 | 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 DIA	CDOM	TOC	DOC	PH		
1	015			Surf	1.7											
2	016			Surf	1.7		✓	✓	✓	✓						
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Watchkeeper(s): D&S

Bottom Depth: 322 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start		
Bottom	<u>0528</u>	
End		

Positional Information

Start Lat: ° N Lon: ° W

Bottom Lat: 48 ° 7.854 N Lon: 123 ° 28.588 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: 2011-60 Station: FR9 Event #: _____ Ship: VECTOR UTC Date (dd|mmm|yyyy): 06|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 <u>2</u>	NH ₄ <u>DIA</u>	<u>CDOM</u>	<u>DOC</u>		<u>POC</u>	<u>pH</u>	
1	017			Surf												
2	018			Surf												
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Watchkeeper(s): DJS

Bottom Depth: 350 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time		
Start		
Bottom	<u>0541</u>	
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: 49° 9.334 N

Lon: 123° 30.870 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: 2011-60 Station: FR10 Event #: 12 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | 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 ₂ ₁₀	NH ₄ _{DA}	DOM	TA	DS	PH		
1	019		Surf									✓✓	✓✓	✓✓	✓✓	
2	020		Surf				✓✓	✓✓	✓✓	✓✓						
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23																
24																

Watchkeeper(s): D45

Bottom Depth: 374 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start		
Bottom	0606	
End		

Positional Information
Start
Lat: ° N
Lon: ° W

Bottom
Lat: 49° 9.334 N
Lon: 123° 32.843 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: 2011-60 Station: SOG-N Event #: 13 Ship: VECTOR UTC Date (dd|mmm|yyyy): 06 | Aug | 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	CO ₂	TOC	DOC	PH	T	
1	045	2068	2.956	Bot-5	✓ 329	✓					✓	✓	✓	✓	9.5	8.7
2	046			Bot-5	✓ 329		✓	✓	✓	✓						
3	047	631	3.499	250	✓ 249	✓					✓	✓	✓	✓		8.7
4	048			250	✓ 249		✓	✓	✓	✓						
5	049	468	3.642	200	✓ 200	✓					✓	✓	✓	✓		8.7
6	050			200	✓ 200		✓	✓	✓	✓						
7	051	1475	3.755	150	✓ 150	✓					✓	✓	✓	✓		8.6
8	052			150	✓ 150		✓	✓	✓							
9	053	1397	4.049	100	✓ 100	✓					✓	✓	✓	✓		8.5°C (labeled wrong)
10	054			100	✓ 100		✓	✓	✓	✓						
11	055	3028	4.055	75	✓ 75	✓					✓	✓	✓	✓		8.9
12	056			75	✓ 75		✓	✓	✓	✓						
13	057	1373	4.032	50	✓ 50	✓					✓	✓	✓	✓		9.2
14	058			50	✓ 50		✓	✓	✓	✓						
15	059	3151	4.081	25	✓ 25	✓					✓	✓	✓	✓		9.7 (labeled in DOZ as 61!)
16	060			25	✓ 25		✓	✓	✓	✓						
17	061	1308	4.432	15	✓ 15	✓					✓	✓	✓	✓		10.9
18	062			15	✓ 15		✓	✓	✓	✓						
19	063	745	5.462	10	✓ 10	✓					✓	✓	✓	✓		14.0
20	064			10	✓ 10		✓	✓	✓	✓						
21	065	2020	6.341	5	✓ 5	✓					✓	✓	✓	✓		16.8
22	066			5	✓ 5		✓	✓	✓	✓						
23	067	1300	6.333	0	✓	✓					✓	✓	✓	✓		19.9
24	068			0		✓	✓	✓	✓							

Watchkeeper(s): Sophie & Kyle

Bottom Depth: 330 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	1434	0734
Bottom	4	
End	1502	0802

Positional Information

Start

Lat: 49 ° 50.232' N

Lon: 124 ° 52.356' W

Bottom

Lat: 49 ° 50.230' N

Lon: 124 ° 52.369' W

End

Lat: 49 ° 50.233' N

Lon: 124 ° 52.374' W

Oxygen Info For This Cast

Blank Value: 0.0050 mL · L⁻¹

Std Value: 0.703 mL · L⁻¹

*Date Run: 8 | 7 | 11

Analyst: SW

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

45 1144 2.980
67 1395 6.383

51 1248 3.773

Water Properties Group

Rosette Log

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

Cruise ID: 2011-60

Station: 50GS

Event #: 15

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 07 | 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	CO ₂	TOC	DOC	PH		
1	021	321	3.159	Bot-5	✓ 310	✓					✓	✓	✓	✓		9.0
2	022			Bot-5	✓ 310		✓	✓	✓	✓						
3	023	1407	3.316	250	250	✓					✓	✓	✓	✓		9.0
4	024			250	250		✓	✓	✓	✓						
5	025	1426	3.420	200	200	✓					✓	✓	✓	✓		9.0
6	026			200	200		✓	✓	✓	✓						
7	027	1123	3.617	150	150	✓					✓	✓	✓	✓		9.2
8	028			150	150		✓	✓	✓	✓						
9	029	1411	3.567	100	100	✓					✓	✓	✓	✓		9.5
10	030			100	100		✓	✓	✓	✓						
11	031	650	3.562	75	75	✓				✓	✓	✓	✓	✓		9.9
12	032			75	75	✓	✓	✓	✓							
13	033	3124	3.838	50	50	✓					✓	✓	✓	✓		10.1
14	034			50	50		✓	✓	✓	✓						
15	035	3191	4.183	25	25	✓					✓	✓	✓	✓		10.7
16	036			25	25		✓	✓	✓	✓						
17	037	3166	4.473	15	15	✓					✓	✓	✓	✓		12.1
18	038			15	15		✓	✓	✓	✓						
19	039	3160	5.028	10	10	✓					✓	✓	✓	✓		13.7
20	040			10	10		✓	✓	✓	✓						
21	041	471	5.170	5	5	✓					✓	✓	✓	✓		18.9
22	042			5	5		✓	✓	✓	✓						
23	043	2064	6.775	0	1.6	✓				✓	✓	✓	✓	✓		18.10
24	044				1.6		✓	✓	✓	✓						

Watchkeeper(s): Dave
Sophie + Kyle

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y ☐ N

	Time	UTC	Local
Start		1518	
Bottom		1522	
End		1543	

Positional Information

Start

Lat: 49 ° 01.445 N

Lon: 123 ° 25.832 W

Bottom

Lat: 49 ° 01.476 N

Lon: 123 ° 25.807 W

End

Lat: 49 ° 01.432 N

Lon: 123 ° 25.786 W

Oxygen Info For This Cast

Blank Value: 0.0050 mL · L⁻¹

Std Value: 0.703 mL · L⁻¹

*Date Run: 8 | 19 | 11

Analyst: SW

*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/>

BOTTLE 17 - gurgles alot when venting - it creates gas un the line -

21-1406 5.177
27-1330 3.648
43-3040 6.735