

Water Properties Group

Rosette Log

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

Cruise 2012-71

Station: SOGS

Event 1

Ship: CCGS Vector

UTC Date (dd|mmm|yyyy): 17|10|2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								$\delta^{18}\text{O}$	Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		
1	1			bot-5	304	✓✓	✓✓	✓✓	✓✓	✓					Draw T.
2	2			bot-5	304					✓✓	✓✓	✓✓	✓✓		Salinity taken on all niskins, 9.2
3	3			250	250	✓	✓	✓	✓	✓					duplicates for salinity on 9.1
4	4			250	250						✓	✓	✓	✓	even numbered bottles 9.3
5	5			200	200	✓	✓	✓	✓	✓					Thermometer stopped working. Second thermometer not working either
6	6			200	200						✓	✓	✓	✓	
7	7			150	150	✓✓	✓✓	✓✓	✓✓	✓					
8	8			150	150					✓✓	✓✓	✓✓	✓✓		
9	9			100	100	✓	✓	✓	✓	✓					
10	10			100	100						✓	✓	✓	✓	
11	11			75	75	✓	✓	✓	✓	✓					
12	12			75	75						✓	✓	✓	✓	
13	13			50	50	✓	✓	✓	✓	✓					
14	14			50	50						✓	✓	✓	✓	
15	15			25	25	✓	✓	✓	✓	✓					
16	16			25	25						✓	✓	✓	✓	
17	17			15	15	✓	✓	✓	✓	✓					
18	18			15	15						✓	✓	✓	✓	
19	19			10	10	✓	✓	✓	✓	✓					
20	20			10	10						✓	✓	✓	✓	
21	21			5	4.5	✓	✓	✓	✓	✓					
22	22			5	4.5						✓	✓	✓	✓	
23	23			0	0.35	✓✓	✓✓	✓✓	✓✓	✓					
24	24			0	0.35					✓✓	✓✓	✓✓	✓✓	✓✓	

Watchkeeper(s):

Bottom Depth: 316 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2241	
Bottom		
End	2314	

Positional Information

Start	Lat: 49 ° 1.380 N
	Lon: 123 ° 25.664 W

Bottom	Lat: ° N
	Lon: ° W

End	Lat: 49 ° 1.381 N
	Lon: 123 ° 25.664 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

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 DRAW TEMP - units batteries are dead

Water Properties Group

Rosette Log

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

Cruise 2012-71

Station: SOGN

Event 2

Ship: CCGS Vector

UTC Date (dd|mmm|yyyy): 18 | 10 | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								$\delta^{18}\text{O}$	Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		
1	25			bot-5	322	✓	✓	✓	✓	✓					Salinity taken on all niskins.
2	26			bot-5	322					✓	✓	✓	✓		duplicates for salinity on
3	27			250	✓	✓	✓	✓	✓	✓					even numbered bottles
4	28			250	✓						✓	✓	✓	✓	
5	29			200	✓	✓	✓	✓	✓	✓					Duplicates: bot, mid, surf.
6	30			200	✓						✓	✓	✓	✓	
7	31			150	✓	✓	✓	✓	✓	✓					
8	32			150	✓					✓	✓	✓	✓	✓	
9	33			100	✓	✓	✓	✓	✓	✓					
10	34			100	✓						✓	✓	✓	✓	
11	35			75	✓	✓	✓	✓	✓	✓					
12	36			75	✓						✓	✓	✓	✓	
13	37			50	✓	✓	✓	✓	✓	✓					
14	38			50	✓						✓	✓	✓	✓	
15	39			25	✓	✓	✓	✓	✓	✓					
16	40			25	✓						✓	✓	✓	✓	
17	41			15	✓	✓	✓	✓	✓	✓					
18	42			15	✓						✓	✓	✓	✓	
19	43			10	✓	✓	✓	✓	✓	✓					
20	44			10	✓						✓	✓	✓	✓	
21	45			5	✓	✓	✓	✓	✓	✓					
22	46			5	✓						✓	✓	✓	✓	
23	47			0		✓	✓	✓	✓	✓					
24	48			0						✓	✓	✓	✓	✓	

Watchkeeper(s):

Bottom Depth: 328 m

Transmisso Cleaned: Y / N

Time UTC Local

Start		
Bottom	1618	
End		

Positional Information

Start	Lat: 49 ° 50.275 N
	Lon: 124 ° 52.219 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

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 draw temp - batteries dead

Bottle 11 did not fire
- DO taken from 10

Water Properties Group

Rosette Log

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

Cruise 2012-71 Station: FR10 Event #: 4 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts	δ ¹⁸ O			
1	67			0			N/A	✓✓	✓✓	✓✓	✓						Salinity taken on all niskins, duplicates for salinity on even numbered bottles
2	68			0			N/A				✓✓	✓✓	✓✓	✓✓	✓✓		
3																	
4																	
5																	
6																	
7																	No DO taken on FR Transect
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24																	

Watchkeeper(s):
49/05/57/Ron/Cow/20

Bottom Depth: 372 m
Transmisso Cleaned: Y / (N)

Time	UTC	Local
Start	1406	07:09
Bottom		
End	1409	0709

Positional Information
Start Lat: 49° 9.886 N
Lon: 123° 32.826 W

Bottom Lat: ° N
Lon: ° W

End Lat: 49° 9.833 N
Lon: 123° 32.812 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 2012-71 Station: FR9 Event #: 5 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		δ ¹⁸ O	
1	65			0			N/A	✓	✓	✓	✗					Salinity taken on all niskins,
2	66			0			N/A				✓	✓/✓	✓	✓	✓	duplicates for salinity on
3																even numbered bottles
4																
5																
6																
7																No DO taken on FR Transect
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24																

Watchkeeper(s): 4P/DS

Bottom Depth: 349 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1426	0726
Bottom	1427	0727
End	1427	0727

Positional Information
Start Lat: 49° 9.307 N
Lon: 123° 30.886 W

Bottom Lat: ° N
Lon: ° W

End Lat: 49° 9.304 N
Lon: 123° 30.876 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 2012-71 Station: FR8 Event #: 6 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		δ ¹⁸ O	
1	63			0		N/A	✓	✓	✓	✓						Salinity taken on all niskins,
2	64			0		N/A				✓	✓✓	✓	✓	✓		duplicates for salinity on
3																even numbered bottles
4																
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7																No DO taken on FR Transect
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Watchkeeper(s): LP/DS

Bottom Depth: 321 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1447	
Bottom		
End	1448	

Positional Information
Start Lat: 49° 8. 690 N
Lon: 123° 28. 582 W

Bottom Lat: ° N
Lon: ° W

End Lat: 49° 8. 698 N
Lon: 123° 28. 582 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 2012-71 Station: FR7 Event #: 7 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments			
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk			Nuts	δ ¹⁸ O	
1	61			0			N/A	✓	✓	✓	✓						Salinity taken on all niskins,
2	62			0			N/A				✓	✓✓✓	✓	✓	✓		duplicates for salinity on
3																	even numbered bottles
4																	
5																	
6																	
7																	No DO taken on FR Transect
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23																	
24																	

Watchkeeper(s): LP/DS

Bottom Depth: 281 m
Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		1506	0806
Bottom			
End			

Positional Information
Start Lat: 49° 8.048 N
Lon: 123° 26.200 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 2012-71

Station: FR6

Event #: 8

Ship: CCGS Vector

UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken									Comments		
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts			δ ¹⁸ O	
1	59			0			N/A	✓	✓	✓	✓						Salinity taken on all niskins, duplicates for salinity on even numbered bottles
2	60			0			N/A				✓	✓✓	✓	✓	✓		
3																	
4																	
5																	
6																	
7																	No DO taken on FR Transect
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24																	

Watchkeeper(s): KP/DS

Bottom Depth: 229 m
Transmisso Cleaned: 0 / N

Time	UTC	Local
Start	1540	0840
Bottom		
End		

Positional Information

Start	Lat: 49° 7.586	N
	Lon: 123° 24.498	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 2012-71 Station: FR5 Event #: 9 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19|Oct|2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed √	Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		δ ¹⁸ O	
1	57			0			N/A	√√	√√	√√	√						Salinity taken on all niskins, duplicates for salinity on even numbered bottles
2	58			0			N/A				√√	√√	√√	√√	√√		
3																	
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7																	No DO taken on FR Transect
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24																	

Watchkeeper(s): LP/DS

Bottom Depth: 131 m
Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		1559	
Bottom		1600 ⁴⁹	
End		1600	

Positional Information
Start Lat: 49° 7.054 N
Lon: 123° 22.362 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: 1-1-1
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 2012-71 Station: FR4 Event #: 10 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								δ ¹⁸ O		Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts			
1	55			0		N/A	✓	✓	✓	✓						Salinity taken on all niskins,
2	56			0		N/A				✓	✓✓	✓	✓	✓		duplicates for salinity on
3																even numbered bottles
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24																

Watchkeeper(s): LP

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1617	
Bottom		
End	1618	

Positional Information
Start Lat: 49° 6.664 N
Lon: 123° 20.948 W

Bottom	Lat: ° N
	Lon: ° W
End	Lat: 49° 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*

Cruise 2012-71 Station: FR3 Event #: 11 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19|Oct|2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken									Comments		
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts			δ ¹⁸ O	
1	53			0			N/A	✓	✓	✓	✓						Salinity taken on all niskins,
2	54			0			N/A				✓	✓✓	✓	✓	✓		duplicates for salinity on
3																	even numbered bottles
4																	
5																	
6																	
7																	No DO taken on FR Transect
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Watchkeeper(s): LP

Bottom Depth: 87 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>1635</u>	
Bottom		
End		

Positional Information

Start	Lat: <u>49° 6' 39.8</u>	N
	Lon: <u>123° 19' 55.5</u>	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 2012-71 Station: FR2 Event #: 12 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		δ ¹⁸ O	
1	51			0		N/A	✓	✓	✓	N/A						Salinity taken on all niskins,
2	52			0		N/A				✓	✓✓	✓	✓	✓		duplicates for salinity on
3																even numbered bottles
4																
5																
6																
7																No DO taken on FR Transect
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Watchkeeper(s): 4

Bottom Depth: 11 m
Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		1656	
Bottom			
End			

Positional Information
Start Lat: 49° 6.187 N
Lon: 123° 18.041 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 2012-71 Station: FR1 Event #: 13 Ship: CCGS Vector UTC Date (dd|mmm|yyyy): 19 | Oct | 2012

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments			
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	CDOM	TOC	DOC	Sal	pH	DIC/Alk	Nuts		δ ¹⁸ O		
1	49			0			N/A	√√	√√	√√	√						Salinity taken on all niskins,
2	50			0			N/A				√√	√√√	√√	√√	√√		duplicates for salinity on
3																	even numbered bottles
4																	
5																	
6																	
7																	No DO taken on FR Transect
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23																	
24																	

Watchkeeper(s): LP/DS/ST/RM/CW/GD

Bottom Depth: 10 m

Transmisso Cleaned: 8 / N

Time	UTC	Local
Start	1710	
Bottom		
End		

Positional Information
Start Lat: 49° 6' 815" N
Lon: 123° 16' 628" 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