

Water Properties Group

Rosette Log

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

Cruise ID: 2012-09

Station: SLIP-1

Event #: 1

Ship: SWL

UTC Date (dd|mmm|yyyy): 14 | July | 2012

45m

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	DIC	O ₁₈	Ba			
1	✓ 1			bot -5	✓		xx	x				x	x			
2	2			75	✓		xx	xt				x	x			
3	3			50	✓		xx	x				xx	x			
4	4			35	✓		xx	x				x	x			
5	5			25	✓		xx	x				x	xt			
6	6			15	✓		xx	x				x	x			
7	7			5	✓		xx	x				x	x			
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

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Positional Information

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 Lon: ° W

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 Lat: ° N
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 Lat: ° N
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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: 2012-09 Station: SLIP-2 Event #: 2 Ship: SwL 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	DIC	O ₁₈	Ba			
1	8			54-5	✓		xx	x			x	x	x			
2	9			75	✓		xx	x				xx	x			
3	10			50	✓		xx	xx				x	x			
4	11			35	✓		xx	x				x	x			
5	12			25	✓		xx	x				x	xx			
6	13			15	✓		xx	x				x	x			
7	14			5	✓		xx	x			x	x	x			
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Watchkeeper(s):
Tyler, Christina

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

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Positional Information

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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: 2012-09

Station: SLIP-3

Event #: 3

Ship: SWL

UTC Date (dd|mmm|yyyy): 14 | JUL | 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		0.18	Ba			
1	15				✓ Bot-5		xx	x				x	x			
2	16				✓ 50		xx	x				x	x			
3	17				✓ 35		xx	x				xx	x			
4	18				✓ 25		xx	xx				x	x			
5	19				✓ 15		xx	x				x	x			
6	20				✓ 5		xx	x				x	xx			
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Watchkeeper(s): _____

Bottom Depth: _____ m

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Positional Information

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Lat: ° N

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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: 2012-09

Station: SLIP-5

Event #: 4

Ship: SWL

UTC Date (dd|mmm|yyyy): 14 | Jul | 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						
1	21			1307-5	☒		xx	x				x	x			
2	22			50	☒		xx	x				xx	x			
3	23			35	☒		xx	x				x	x			
4	24			25	☒		xx	x				x	xx			
5	25			15	☒		xx	xx				x	x			
6	26			5	☒		xx	x				x	x			
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Watchkeeper(s): _____

Bottom Depth: _____ m

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Positional Information

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Lat: ° N

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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: 2012-09 Station: SLIP-4 Event #: 5 Ship: SWL UTC Date (dd|mmm|yyyy): 14 | JUL | 2012

13-A/10
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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	DIC	Orp	Ba				
1	27			Bot-5	✓		xx	x			x	x	x				
2	28			50	✓		xx	x				x	x				
3	29			35	✓		xx	x				xx	x				
4	30			25	✓		xx	x				x	x				
5	31			15	✓		xx	xx				x	xx				
6	32			5	✓		xx	x			x	x	x				
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9				2	✓												
10				5	✓												
11				10	✓												
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

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Positional Information

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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: 2012-09 Station: BCL-60a Event #: 6 Ship: SWL UTC Date (dd|mmm|yyyy): 14 | JUL | 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	DIC	018	Ba	
1	33			30T-5	☒		xx	xx			x	x	x	
2	34			35	☒		xx	x				x	x	
3	35			25	☒		xx	x				xx	x	
4	36			15	☒		xx	x				x	x	
5	37			5	☒		xx	x			x	x	xx	
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

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Positional Information
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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: 2012-09 Station: 07135-5 Event #: 7 Ship: Suez 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				
1	38			130-5	☒		xx	x				x	x	
2	39			35	☒		xx	x				x	x	
3	40			25	☒		xx	x				x	x	
4	41			15	☒		xx	x				x	x	B. K. fup?
5	42			5	☒		xx	x				x	x	
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Watchkeeper(s): _____

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Positional Information

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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: 2012-09 Station: UTBS-2 Event #: 8 Ship: SWL UTC Date (dd|mmm|yyyy): 15 | JUL | 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						
1	43			Bot-5	☒		xx	xx					X	X		
2	44			35	☒		xx	x					x	xx		
3	45			25	☒		xx	x					xx	x		
4	46			15	☒		xx	x					x	x		
5	47			5	☒		xx	x					x	x		
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

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Positional Information

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 Lat: ° N
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 Lat: ° N
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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: 2012-09 Station: UTBS-1 Event #: 9 Ship: SWL UTC Date (dd|mmm|yyyy): 15 | JUL | 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				
1	48			Bot-5	☒		xx	x				x	x	
2	49			35	☒		xx	xx				x	x	
3	50			25	☒		xx	x				x	xx	
4	51			15	☒		xx	x				xx	x	
5	52			5	☒		xx	x				x	x	
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
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Positional Information

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Lat:	°	N
Lon:	°	W

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Lat:	°	N
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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: 2012-09 Station: UTBS-4 Event #: 10 Ship: SWL UTC Date (dd|mmm|yyyy): 15 | JUL | 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			DIC	OR	Ba	
1	53			POT-5	☒ 44m		X X	X					X	X	X	
2	54			35	☒		X X	X						X	X	
4	55			25	☒		X X	X X						X	X	
5	56			15	☒		X X	X						X	X X	
9	57			5	☒		X X	X					X	X X	X	
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3	10			30	☒											
6	11			15	☒											
7	12			10	☒											
8	13			8	☒											
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
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Positional Information
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Lat: ° N
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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: 2012-09 Station: BRS-3 Event #: 11 Ship: SWL UTC Date (dd|mmm|yyyy): 15 | JUL | 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	DIC	018	Ba	
1	58			POT-5	☒		xx	x			x	x	x	
2	59			35	☒		xx	x				x	x	
3	60			25	☒		xx	x				x	x	
4	61			15	☒		xx	x				x	x	
5	62			5	☒		xx	x			x	x	x	
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
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Positional Information
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Lat: ° N
Lon: ° W

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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: 2012-09

Station: UTN-1

Event #: 12

Ship: SWL

UTC Date (dd|mmm|yyyy): 16 | Jul | 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		Dic	Ort	Ba		
1	63			Bot-5	☒ 29		x x	x				x	x	x		
2	64			25	☒		x x	x					x x	x		
3	65			15	☒		x x	x x					x	x		
4	66			5	☒		x x	x				x	x	x x		
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
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Positional Information

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Lat: ° N
Lon: ° W

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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: 2012-09 Station: UTN-2 Event #: 13 Ship: SWL UTC Date (dd|mmm|yyyy): 16 | JUL | 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				
1	67			Bot-5	☒		xx	x				x	xx	
2	68			235	☒		xx	x				x	x	
3	69			25	☒		xx	x				xx	x	
4	70			15	☒		xx	x				x	x	
5	71			5	☒		xx	xx				x	x	
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

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Positional Information

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 Lon: ° W

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 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: 2012-09 Station: UTN-3 Event #: 14 Ship: SWL UTC Date (dd|mmm|yyyy): 16 | Jul | 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				
1	72			? Bot-5	✓ 44		xx	x				Y	X	
2	73			? 35	✓		xx	x				x	x	
3	74			25	✓		xx	x				x	x	
4	75			15	✓		xx	x				x	x	
5	76			5	✓		xx	x				x	x	
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

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Positional Information
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Lat: ° N
Lon: ° W

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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: 2012-09 Station: UTN-4 Event #: 15 Ship: 502 UTC Date (dd|mmm|yyyy): 16 | Jul | 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					
1	77		3x	10.5	✓ 45		xx	x					x	x	
2	78			35	✓		xx	xx					x	xx	
3	79			25	✓		xx	x					xx	x	
4	80			15	✓		xx	x					x	x	
5	81			5	✓		xx	x					x	x	
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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: 2012-09

Station: UTN-5

Event #: 16

Ship: SWL

UTC Date (dd|mmm|yyyy): 16 | Jul | 2012

mooring?

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	DI=	Org				Ba
1	82		3x	30.5	☒		xx	x			x	x	x			
2	83			35	☒		xx	x				x	x			
3	84			25	☒		xx	xx				x	xx			
4	85			15	☒		xx	x				xx	x			
5	86			5	☒		xx	x			x	x	x			
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1,2,3
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start

Lat: ° N

Lon: ° 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: 2012-09 Station: UTN-6 Event #: 17 Ship: SWL UTC Date (dd|mmm|yyyy): 16 | Jul | 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						
1	87			BOT-5	☒	45	xx	x				x	x			
2	88			35	☒		xx	x				x	x			
3	89			25	☒		xx	x				x	x			
4	90			15	☒		xx	xx				x	xx			
5	91			5	☒		xx	x				xx	x			
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24																

Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start
 Lat: ° N
 Lon: ° 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: 2012-09 Station: SEA-02 Event #: 18 Ship: SWL UTC Date (dd|mmm|yyyy): 16 | Jul | 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	DIC	O ₂	Ba			
1	92			307.5	✓ 45		xx	x			x	x	x			
2	93			35	✓		xx	x				x	x			
3	94			25	✓		xx	x				x	x			
4	95			15	✓		xx	x				x	x			
5	96			5	✓		xx	x			x	x	x			
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start			
Bottom			
End			

Positional Information

Start Lat: ° N Lon: ° 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

SVP deployed

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

Cruise ID: 2012-09 Station: VTN-7 Event #: 19 Ship: SWL UTC Date (dd|mmm|yyyy): 17 | JUL | 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						
1	97			Bot-5	✓	53		XX	XX				X	X			
2	98			50	✓			XX	X				XX	X			
3	99			35	✓			XX	X				X	XX			
4	100			25	✓			XX	X				X	X			
5	101			15	✓			XX	X				X	X			
6	102			5	✓			XX	X				X	X			
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start			
Bottom			
End			

Positional Information

Start

Lat: ° N

Lon: ° 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: 2012-09 Station: SEC-3 Event #: 20 Ship: SWL UTC Date (dd|mmm|yyyy): 16 | Jul | 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	Dic	D18	Ca			
1	103			BOT-5	✓ 57		xx	x			x	x	x			
2	104			35	✓		xx	x				x	x			
3	105			25	✓		xx	x				x	x			
4	106			15	✓		xx	x				x	x			
5	107			5	✓		xx	x			x	x	x			
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information
Start
Lat: ° N
Lon: ° 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: 2012-09

Station: SEC-4

Event #: 21

Ship: SWL

UTC Date (dd|mmm|yyyy): 17 | Jul | 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	Dic	O ₁₈	Ba	
1	108			35	✓	49	xx	x			x	x	x	
2	109			35	✓		xx	x				xx	x	
3	110			25	✓		xx	xx				x	x	
4	111			15	✓		xx	x				x	xx	
5	112			5	✓		xx	x			xx	x	x	
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start
Lat: ° N
Lon: ° 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: 2012-09 Station: 520-5 Event #: 22 Ship: SWL UTC Date (dd|mmm|yyyy): 17 | 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	Dic	018	B _c	
1	113			Bot-5	✓ 46		xx	x			x	x	x	
2	114			35	✓		xx	xx				x	x	
4	115			25	✓		xx	x				x	x	
5	116			15	✓		xx	x				x	x	
9	117			5	✓		xx	x			x	x	x	
6														
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10														
3	11			30	✓									
6	12			15	✓									
7	13			10	✓									
8	14			8	✓									
10, 11	15	2 x		4	✓✓									
42	16			2	✓									
	17													
	18													
	19													
	20													
	21													
	22													
	23													
	24													

Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start			
Bottom			
End			

Positional Information

Start

Lat: ° N

Lon: ° 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: 2012-09 Station: SEC-6 Event #: 23 Ship: SWC UTC Date (dd|mmm|yyyy): 17 | 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		DIC	D18	Bo	
1	118			BOT-5	☒ 44		xx	x				x	xx	x	
2	119			35	☒		xx	x					x	xx	
3	120			25	☒		xx	xx					x	x	
4	121			15	☒		xx	x					x	x	
5	122			5	☒		xx	x				x	x	x	
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Watchkeeper(s):

Bottom Depth: m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start Lat: ° N Lon: ° 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: 2012-09 Station: SEC 7 Event #: 24 Ship: SWL UTC Date (dd|mmm|yyyy): 17 | JUL | 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		DIC	Al	Ba	
1	123			30.5	☒	39	xx	x				x	x	x	
2	124			35	☒		xx	x					xx	x	
3	125			25	☒		xx	x					x	x	
4	126			15	☒		xx	xx					x	x	
5	127			5	☒		xx	x				x	x	xx	
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24															

Watchkeeper(s):

Bottom Depth: m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start			
Bottom			
End			

Positional Information

Start Lat: ° N Lon: ° 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: 2012-09 Station: SEC-8 Event #: 25 Ship: SWL UTC Date (dd|mmm|yyyy): 17 | JUL | 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		DIC	0.18	Ba		
1	128			BOT-5	✓	30		xx	x				xx	x	x		
2	129			25	✓			xx	x					x	x		
3	130			15	✓			xx	x					x	x		
4	131			5	✓			xx	x				x	x	x		
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Watchkeeper(s):

Bottom Depth: m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information
Start
Lat: ° N
Lon: ° 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: 2012-09 Station: CS-2011 Event #: 26 Ship: SWL UTC Date (dd|mmm|yyyy): 1 | JUL | 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				
1	132			BOT-5	✓ 15		xx	xx				x	xx	x
2	133			25	✓ 15		xx	x					x	x
3	134			15	✓		xx	x					x	x
4	135			5	✓		xx	x				x	x	x
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Watchkeeper(s): _____

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start Lat: ° N Lon: ° 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

DATE + TIME (UTC)	STATION	CAST TYPE	EVENT No.	Lat Deg N	Lat Min	N	Lon Deg	Lon Min	W	BOTTOM DEPTH	MAX DEPTH	SAMPLE NUMBERS	BOTTL ES	WATCH
14/07/2012 8:02	SLIP-1	Rosette	1	62	0.73	N	175	3.98	W	80	75.459	1-7	7	jd/sv
14/07/2012 10:18	SLIP-2	Rosette	2	62	2.99	N	175	12.7	W	81	76	8-14	7	jd/sv
14/07/2012 13:57	SLIP-3	Rosette	3	62	23.38	N	174	34.25	W	70	65	15-20	6	jd/sv
14/07/2012 18:06	SLIP-5	Rosette	4	62	33.63	N	173	33.03	W	66	61	21-26	6	jd/sv
14/07/2012 21:46	SLIP-4	Rosette	5	63	1.8	N	173	27.6	W	71	66	27-32	13	jd/sv
15/07/2012 5:12	BCL6A	Rosette	6	63	55.23	N	172	5.63	W	54	49	33-37	5	jd/sv
15/07/2012 11:49	UTBS-5	Rosette	7	64	40.16	N	169	55.16	W	43	38	38-42	5	jd/sv
15/07/2012 14:49	UTBS-2	Rosette	8	64	40.81	N	169	6.04	W	45	40	43-47	5	jd/sv
15/07/2012 17:32	UTBS-1	Rosette	9	64	59.45	N	169	8.28	W	49	44	48-52	5	jd/sv
15/07/2012 20:26	UTBS-4	Rosette	10	64	57.63	N	169	53.09	W	49	44	53-57	12	jd/sv
16/07/2012 2:16	BRS-3	Rosette	11	65	42.15	N	168	46.46	W	53	48	58-62	5	jd/sv
16/07/2012 7:55	UTN-1	Rosette	12	66	42.69	N	168	23.86	W	34	29	63-66	4	jd/sv
16/07/2012 10:57	UTN-2	Rosette	13	67	3	N	168	43.67	W	45	40	67-71	5	jd/sv
16/07/2012 13:39	UTN-3	Rosette	14	67	19.77	N	168	54.49	W	49	44	72-76	5	jd/sv
16/07/2012 15:21	UTN-4	Rosette	15	67	30.02	N	168	54.26	W	50	45	77-81	5	jd/sv
16/07/2012 17:24	UTN-5	Rosette	16	67	40.18	N	168	54.32	W	50	45	82-86	5	jd/sv
16/07/2012 20:41	UTN-6	Rosette	17	67	44.4	N	168	26.42	W	50	45	87-91	5	jd/sv
16/07/2012 22:12	SEC-2	Rosette	18	67	46.8	N	168	36.14	W	50	45	92-96	5	jd/sv
17/07/2012 0:49	UTN-7	Rosette	19	68	0.03	N	168	54.55	W	58	53	97-102	6	jd/sv
17/07/2012 3:29	SEC-3	Rosette	20	67	54.06	N	168	14.63	W	59	54	103-107	5	jd/sv
17/07/2012 5:30	SEC-4	Rosette	21	68	0.6	N	167	52.34	W	55	50	108-112	5	jd/sv
17/07/2012 7:27	SEC-5	Rosette	22	68	7.84	N	167	30.59	W	51	46	113-117	11	jd/sv
17/07/2012 9:05	SEC-6	Rosette	23	68	11.46	N	167	18.89	W	49	44	118-122	5	jd/sv
17/07/2012 10:23	SEC-7	Rosette	24	68	14.49	N	167	7.25	W	44	39	123-127	5	jd/sv
17/07/2012 11:38	SEC-8	Rosette	25	68	18.14	N	166	56.66	W	35	30	128-131	4	jd/sv
2012/07/18 20:44	CS-2011	Rosette	26	69	48.608	N	163	25.83	W	20	15	132-135	4	jd/sv