

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: QD014 Event #: 5 Ship: Tully UTC Date (dd/mm/yyyy): 30 | 06 | 2013

#	Niskin Sample #	Oxygen Titrations Flask # Serial # Value mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure Pressure	Samples Taken Oxy Nut Sal	CH ₄ NH ₄ a	CO ₂ TAC DOC DIC ALK	Comments
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1	1	8-5	✓ 252.5	✓	✓	✓	
2	2	200	✓ 201.6	✓	✓	✓	
3	3	150	✓ 152.10	✓	✓	✓	
4	4	100	✓ 101.6	✓	✓	✓	
5	5	75	✓ 46.3	✓	✓	✓	
6	6	50	✓ 52.0	✓	✓	✓	
7	7	30	✓ 29.5	✓	✓	✓	
8	8	20	✓ 19.7	✓	✓	✓	
9	9	10	✓ 10.1	✓	✓	✓	
10	10	0	✓ 1.8	✓	✓	✓	
11	11	0	✓ 1.8	✓	✓	✓	
12							Forget to take
13							OK 1140
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Watchkeeper(s): AS MB

Bottom Depth: 255 m

Transmisso Cleaned: (Y) / N

Time
UTC
Local
Start
Bottom
End
14:38
00:41
00:01
17:41
18:01

Positional Information
Lat: 52 ° 53.994 N
Lon: 129 ° 23.969 W

Bottom
Lat: 52 ° 53.983 N
Lon: 129 ° 23.951 W

End
Lat: 52 ° 54.064 N
Lon: 129 ° 23.960 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

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: 5501 Event #: 6 Ship: Tully UTC Date (dd|mm|yyyy): 01 | 7 | 2013

Niskin #	Sample #	Oxygen Titrations Flask Value Serial # mL · L ⁻¹	Rosette Operation Target Pressure Confirmed ✓ Pressure	Samples Taken Oxy Nut Sal Chl NH ₄ TOC DOC DSC _{alk} DSC _{com}	Comments

Bottom Depth:	373-361 m
Transmisso Cleaned:	Y / N

Time	UTC	Local
Start	02:26	19:26
Bottom	02:33	19:33
End	02:53	19:53

Positional Information	
Lat: 53 ° 0,548 N	Lon: 129 ° 16,174 W

Lat:	53°	0.512	N
Lon:	129°	0.16213	W

Lat:	53°	0482	N
Lon:	129°	16457	W

Oxygen Info For This Cast	
Blank Value: _____	Std Value: _____
_____ mL • L ⁻¹	_____ mL • L ⁻¹
*Date Run: _____	
Analyst: _____	

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

Rosette Log

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

Cruise ID: 2013-50 Station: DCO9 Event #: 15 Ship: Tolly UTC Date (dd|mm|yyyy): 07 | 07 | 2013

Niskin #	Sample #	Oxygen Titrations Flask Value Serial # ml · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure √ Pressure	Samples Taken Oxy Nut Sal Chl NH ₄ CaOH TOC DOC AIC Aik δ18	Comments

Watchkeeper(s): MD 25 TS CW

Bottom Depth: 720 m	Transmisso Cleaned: 0 / N
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Time	UTC	Local
Start	04:26	21:26
Bottom	04:37	21:37
End	04:52	21:52

Positional Information

Lat:	53° 55' 630 N
Lon:	128° 42' 227 W

tart

Lat:	53° 55.630	N
Lon:	178° 42.179	W

Bottom

▲

W	108.42	0.88	Lon:
N	53.55	0.53	Lat:

End

Oxygen Info For This Cast

Blank Value: _____ mL · L ⁻¹	Std Value: _____ mL · L ⁻¹
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***Date Run:**

*Date Run:		Analyst:	

Analyst:

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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Do out of even bottles

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

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

Cruise ID: 2013-50	Station: KA04	Event #: 18	Ship: Tully	UTC Date (dd mm yyyy): 02 07 2013
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Niskin #	Sample #	Oxygen Titrations Flask Value Serial # mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal Chl NH ₄	Comments
					Poc Toc calon
					DIC

Bottom Depth:	343 m
Transmissio Cleaned:	(4) / N

Time	UTC	Local
Start	1535	0835
Bottom	1541	0841
End	1601	0901

Positional Information	
Lat: 53 ° 49.103 N	Lon: 128 ° 49.337 W

Bottom	Lat: 53 ° 49.086 N	Lon: 128 ° 49.332 W
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End	Lat: 53 ° 48.079 N	Lon: 128 ° 49.346 W
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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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/projects/waterproperties/>

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

Rosette Log

Cruise ID: 2013-50	Station: DC07	Event #: 19	Ship: T0117	UTC Date (dd mm yyyy): 02 07 2013
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Bottom Depth:	38	m
Transmissio Cleaned:	Y	/ N

Positional Information	
Lat: 54 ° 16.780 N	Lon: 128 ° 54 810 W

Lat: 54° 12' 0"	N 46.818 W
Lon: 128° 54' 0"	W 818.54

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

1	39	383	✓	383.
2	40	350	✓	352.7
3	41	300	✓	302.9
4	42	250	✓	253.2
5	43	200	✓	202.2
6	44	150	✓	151.7
7	45	100	✓	101.6
8	46	75	✓	76.5
9	47	50	✓	50.1
10	48	30	✓	30.2
11	49	20	✓	20.1
12	50	10	✓	10.2
13	51	0	✓	1.9
14	52	0	✓	1.9
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Rosette Log

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

Cruise ID: 2013-56 Station: FOC Event #: 21 Ship: Tully UTC Date (dd|mm|yyyy): 02 | 07 | 2013

Niskin #	Sample #
Oxygen Titrations Flask Value ml · L ⁻¹	Rosette Operation Target Pressure ✓ Confirmed Pressure
Samples Taken Oxy Nut Sal Chl NH ₄	Comments

End	2158	1458
Bottom	2136	1436
Start	2129	1429
Time	UTC	Local

Positional Information

Lat:	53° 44' 140 N
Lon:	126° 11' 165 W

Start

Lat: 53° 44.117 N	Lon: 129° 1.207 W
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Bottom

Lat:	53°	44.036	N
Lon:	129°	1.233	W

End

Oxygen Info For This Cast

Blank Value:	_____ mL · L ⁻¹
Std Value:	_____ mL · L ⁻¹

*Date Run:

*Date Run:	_____
Analyst:	_____

Analyst:

* Oxygen blanks and standards should be

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2013-30	Station: D204	Event #: 23	Ship: Tolly	UTC Date (dd mm yyyy): 03 07 2013
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[illegible]

Watchkeeper(s): *md 55 79*

Bottom Depth:	255 m
Transmisso Cleaned:	(8) / N

Time	UTC	Local
Start	0241	1941
Bottom	0246	1946
End	0302	2002

Positional Information	
Lat: 53 ° 35.382	N
Lon: 129 ° 12.569	W

Bottom	Lat: 53° 25' 40.5" N	Lon: 129° 12' 54.7" W
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End	Lat: 53 ° 35.528 N	Lon: 129 ° 12.540 W
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Oxygen Info For This Cast	
Blank Value: _____	_____ mL • L ⁻¹
Std Value: _____	_____ mL • L ⁻¹
*Date Run: _____ _____ _____	
Analyst: _____	

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: 0665 Event #: 24 Ship: Tully UTC Date (dd|mm|yyyy): 03 | 07 | 2013

#	Niskin	Sample	#	Oxygen Titrations	Rosette Operation	Samples Taken	Nut	Sal	Chl	DOC	TD	Comments
				Serial #	Pressure	Oxy						
				Flask Value	Target							
				ml · L ⁻¹	Confirmed							

1	77			392	✓	392.6	x					
2	78			350	✓	353.2	xy					
3	79			300	✓	302.9	x					
4	80			250	✓	252.5	x					
5	81			200	✓	201.9	xy					
6	82			150	✓	152.2	+					
7	83			100	✓	101.7	x					
8	84			75	✓	76.0	+					
9	85			50	✓	50.0	x					
10	86			30	✓	29.9	x					
11	87			20	✓	20.1	x					
12	88			10	✓	10.1	xy					
13	89			1.5	✓	1.6	+					
14	90			1.5	✓	1.6	—					
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Boat 7 —
Start 14.4 —
Mistip?

Watchkeeper(s): MD 55 LP

Bottom Depth: 397 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 0355 2055
Bottom 0402 2102
End 041 21

Positional Information
Lat: 53 ° 40.464 N
Lon: 129 ° 7.268 W

Bottom
Lat: 53 ° 40.465 N
Lon: 129 ° 7.200 W

End
Lat: 53 ° 40.537 N
Lon: 129 ° 7.024 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: 2013-52 Station: DCO2 Event #: 25 Ship: Tully UTC Date (dd|mm|yyyy): 03 Jul | 2013

#	Niskin	Sample #	Oxygen Titrations Flask # Serial #	Value mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a NH ₄	DOC	POC	Comments
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1	103				bat-5 ✓	3	X			
2	104				350 ✓	4	X			
3	105				300 ✓	4	X			
4	106				250 ✓	4	X			
5	107				200 ✓	4	X			
6	108				150 ✓	4	X			
7	109				100 ✓	4	X			
8	110				75 ✓	4	X			
9	111				50 ✓	4	X			
10	112				30 ✓	4	X			
11	113				20 ✓	4	X			
12	114				10 ✓	4	X			
13	115				0 ✓	4	X			
14	116				0 ✓	4	X			
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

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

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

* Date Run: _____

Analyst: _____

End

Lat: _____ ° N

Lon: _____ ° W

Bottom

Lat: _____ ° N

Lon: _____ ° W

Start

Lat: _____ ° N

Lon: _____ ° W

Positional Information

Time

UTC

Local

Start

Bottom

End

Bottom Depth: 392 m

Transmisso Cleaned: Y / N

Watchkeeper(s): SS, DS, TJ

Water Properties Group

Rosette Log

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

Cruise ID: 2613-50 Station: DC01 Event #: 26 Ship: Tully UTC Date (dd|mm|yyyy): 03 | July | 2013

#	Niskin Sample #	Oxygen Titrations		Rosette Operation		Samples Taken		NH ₄	DIC/DOC	Aik/TOC	CDOM	f180 sal	Comments
		Flask #	Serial #	Value	ml · L ⁻¹	Target	Confirmed	Oxy	Nut	Sal	chl	a	

1	117			Bot-5	✓	✓	✓	✓	✓	✓	✓	✓	
2	118			400	✓	✓	✓	✓	✓	✓	✓	✓	
3	119			350	✓	✓	✓	✓	✓	✓	✓	✓	
4	120			300	✓	✓	✓	✓	✓	✓	✓	✓	
5	121			250	✓	✓	✓	✓	✓	✓	✓	✓	
6	122			200	✓	✓	✓	✓	✓	✓	✓	✓	
7	123			150	✓	✓	✓	✓	✓	✓	✓	✓	
8	124			100	✓	✓	✓	✓	✓	✓	✓	✓	
9	125			75	✓	✓	✓	✓	✓	✓	✓	✓	
10	126			50	✓	✓	✓	✓	✓	✓	✓	✓	
11	127			30	✓	✓	✓	✓	✓	✓	✓	✓	
12	128			20	✓	✓	✓	✓	✓	✓	✓	✓	
13	129			10	✓	✓	✓	✓	✓	✓	✓	✓	
14	130			0	✓	✓	✓	✓	✓	✓	✓	✓	
15	130			0	✓	✓	✓	✓	✓	✓	✓	✓	
16													
17													
18													
19													
20													
21													
22													
23													
24													

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/

Watchkeeper(s): ST/DS

Bottom Depth: 462 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	1521	
Bottom	1530	
End		

Positional Information

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: 2013-50 Station: SC02 Event #: 27 Ship: Lucy UTC Date (dd|mm|yyyy): 03 | 07 | 2013

[illegible]

Watchkeeper(s):	mp ss cu
Bottom Depth:	510 m
Transmisso Cleaned:	(Y) / N

Positional Information

Bottom	Start
Lon: 125 ° 25.142 W Lat: 53 ° 11.996 N	Lon: 129 ° 25.150 W Lat: 53 ° 11.993 N



End	Lat: 53 ° 11.984 N	Lon: 129 ° 25.151 W
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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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/projects/waterproperties/>

Before each cast, do not use ammonia products

Version: 28 Feb 2008

Station	Depth (m)	Temperature (°C)	Salinity (PSU)	Density (kg/m³)	Speed (m/s)	Direction (°)	Wave Height (m)	Wave Period (s)	Wave Direction (°)	Current Speed (m/s)	Current Direction (°)	Bottom Type	Notes
132	1	50.1	35.1	1025.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
133	2	50.1	35.1	1025.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
134	3	40.9	35.1	1024.9	0.1	100	0.1	10	100	0.1	100	Soft mud	top, 50% / 50% water
135	4	40.9	35.1	1024.9	0.1	100	0.1	10	100	0.1	100	Soft mud	
136	5	30.0	35.1	1024.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
137	6	30.0	35.1	1024.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
138	7	20.6	35.1	1023.6	0.1	100	0.1	10	100	0.1	100	Soft mud	3.5 ft
139	8	20.6	35.1	1023.6	0.1	100	0.1	10	100	0.1	100	Soft mud	
140	9	15.1	35.1	1023.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
141	10	15.1	35.1	1023.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
142	11	10.1	35.1	1022.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
143	12	10.1	35.1	1022.1	0.1	100	0.1	10	100	0.1	100	Soft mud	
144	13	7.6	35.1	1021.6	0.1	100	0.1	10	100	0.1	100	Soft mud	
145	14	7.6	35.1	1021.6	0.1	100	0.1	10	100	0.1	100	Soft mud	
146	15	5.0	35.1	1021.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
147	16	5.0	35.1	1021.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
148	17	30.2	35.1	1020.2	0.1	100	0.1	10	100	0.1	100	Soft mud	
149	18	30.2	35.1	1020.2	0.1	100	0.1	10	100	0.1	100	Soft mud	
150	19	20.0	35.1	1019.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
151	20	20.0	35.1	1019.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
152	21	10.9	35.1	1018.9	0.1	100	0.1	10	100	0.1	100	Soft mud	
153	22	10	35.1	1018.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
154	23	0	35.1	1017.0	0.1	100	0.1	10	100	0.1	100	Soft mud	
155	24	0	35.1	1017.0	0.1	100	0.1	10	100	0.1	100	Soft mud	

Transmissometer to be cleaned before each cast, do not use Ammonia products

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: HEC1 Event #: 28 Ship: Tolly UTC Date (dd|mm|yyyy): 04 | 07 | 2013

Niskin #	Sample #	Oxygen Titrations Flask Value Serial # mL.L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	a Chl NH ₄	Handwritten Notes	Comments
						dele toe da com	

Watchkeeper(s): M D S J L P

Bottom Depth:	142 m
Transmissio Cleaned:	12 / N

Time	UTC	Local
Start	0307	2002
Bottom	0306	2006
End	0317	2017

Positional Information

W	h 12' 15" o 621
N	52 o 49' 45"

Start

Lat:	52° 49' 456	N
Lon:	129° 51' 200	W

Bottom

Lat:	52° 45' 46.3"
Lon:	129° 51' 15.4"

End

Oxygen Info For This Cast

Blank Value:	_____ $\text{mL} \cdot \text{L}^{-1}$
Std Value:	_____ $\text{mL} \cdot \text{L}^{-1}$

Analyst:

Oxygen blanks and standards should be

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

2 bottles/acet.

Water Properties Group

Rosette Log

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

Cruise ID: 2015-30	Station: B12	Event #: 30	Ship: T017	UTC Date (dd mm yyyy): 04	07	2013
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[illegible]

Transmissio Cleaned:	(2) 1 N
Bottom Depth:	556 m
Watchkeeper(s):	M. J. St. C.

Time	UTC	Local
Start	0206	1906
Bottom	0221	2021
End	0249	2049

Positional Information

Lat:	50	°	2.630	N
Lon:	127	°	56.960	W

Start

Lat: 50° 2.531	N
Lon: 127° 56.032	W

Bottom

Lat:	50	°	2.350	N
Lon:	127	°	55.937	W

End

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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Rosette Log

Water Properties Group

Cruise ID: 8013-5D	Station: F101	Event #: 	Ship:	UTC Date (dd mm yyyy):
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[illegible]

Bottom Depth:	m
Transmisso Cleaned:	Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information	
Lat:	° N
Lon:	° W

Lon:	o
Lat:	o

Lat:	°
Lon:	°

Oxygen Info For This Cast	
Blank Value:	_____ mL • L ⁻¹
Std Value:	_____ mL • L ⁻¹
*Date Run:	____/____/____
Analyst:	_____

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Yellow O_2 case

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

Rosette Log

Cruise ID:	Station:	Event #:	Ship:	UTC Date (dd mm yyyy):
	EFO2	31	TOLL	06 07 2013

Bottom Depth:	69 m
Transmissio Cleaned:	2 / N

Positional Information	
Lat:	49 ° 55.00.0 N
Lon:	125 ° 10.30.3 W

Lat:	49° 5.009'	N
Lon:	125° 10.295'	W

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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

yellow car.

#	Niskin Sample #	Oxygen Titrations Flask # Serial #	Value mL · L ⁻¹	Rosette Operation Target Pressure ✓ Confirmed Pressure	Samples Taken Oxy Nut Sal Chl a NH ₄	Comments
1	189			bat-5 ✓ 64.8	✓	xmiss, T EC probe
2	190			50 ✓ 50.1	✓	bot Hk. d. 6 m.
3	191			30 ✓ 30.3	✓	
4	192			20 ✓ 20.2	✓	
5	193			10 ✓ 10.1	✓	
6	194			Ø ✓ 11.7	✓	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50	Station: F03	Event #: 32	Ship: Tully	UTC Date (dd mm yyyy): 06 07 2013
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# Niskin		# Sample	Oxygen Titrations		Rosette Operation		Samples Taken						Comments
Serial #	Flask #	Value	Pressure	Target	Confirmed	Pressure	Oxy	Nut	Sal	Chl	NH ₄		

Watchkeeper(s): *MD 55*

Bottom Depth:	11.5 m
Transmisso Cleaned:	(Y) / N

Time	UTC	Local
Start	1558	0858
Bottom	1601	0901
End	1611	09

Positional Information

Lat:	49° 42' 52" N
Lon:	125° 05' 16" W

Start

W	11/11/20	125
N	4/250	49

Bottom

Lat:	49° 04' 24.7"
Lon:	125° 09' 43.1" W

End

Oxygen Info For This Cast	
Blank Value: _____ mL • L ⁻¹	
Std Value: _____ mL • L ⁻¹	
*Date Run: _____	Analyst: _____

run daily, if possible

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

1	195	11.2	✓	113.9	✓
2	196	100	✓	101.1	✓
3	197	75	✓	76.2	✓
4	198	50	✓	50.2	✓
5	199	30	✓	29.7	✓
6	200	20	✓	20.4	✓
7	201	10	✓	10.4	✓
8	202	8	✓	1.7	✓
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Rosette Log

UTC Date (dd|mm|yy): 06 | 07 | 2013

Station:

Ship:

Type 1

Watchkeeper(s): SS MW

Positional Information	
Lat: 49° 3' 120 N	Lon: 125° 8' 574 W

Start

Lat:	49° 3.120	N
Lon:	125° 8.507	W

Bottom

End

Blank Value:	$\text{mL} \cdot \text{L}^{-1}$
Std Value:	$\text{mL} \cdot \text{L}^{-1}$
*Date Run:	
Analyst:	

Transmissometer to be cleaned before each cast, do not use Ammonia products

Version: 28 Feb 2008

Water Properties Group

Rosette Log

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

Cruise ID:	Station:	Event #:	Ship:	UTC Date (dd mm yy yy):	2013
	EE05	34	10117	06	07

[illegible]

Watchkeeper(s): MD
35

Bottom Depth: 201 m	Transmisso Cleaned: (Y) / N
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Time	UTC	Local
Start	1712	9012
Bottom	1716	1016
End	1732	10

Positional Information	
Lat:	49° 2.549' N
Lon:	125° 3.140' W

W	121° 0' 154
N	49° 0' 2543

Lat:	49° 2' 54.3"
Lon:	125° 9' 10.2"

Oxygen Info For This Cast	
Blank Value: _____ mL • L ⁻¹	
Std Value: _____ mL • L ⁻¹	
*Date Run: _____ _____ _____	Analyst: _____

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50	Station: EFO6	Event #: 35	Ship: Tully	UTC Date (dd mm yyyy): 06 07 2013
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[illegible]

Bottom Depth:	149 m
Transmissio Cleaned:	(A) / N

Time	UTC	Local
Start	1757	
Bottom	1801	
End	1815	

Positional Information	
Lat: 49° 1.769' N	Lon: 125° 9.208' W

Lat:	45° 1.764
Lon:	125° 9.215

Lat:	49° 1.801	N
Lon:	125° 3.193	W

Oxygen Info For This Cast	
Blank Value:	_____ mL • L ⁻¹
Std Value:	_____ mL • L ⁻¹
*Date Run:	____/____/____
Analyst:	_____

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/projects/waterproperties/>

Version: 28 Feb 2008

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: EFO8 Event #: 37 Ship: Tull UTC Date (dd|mm|yy): 06 | 07 | 2013

[illegible]

Bottom Depth:	84	m
Transmissio Cleaned:	Y	/ N

Time	UTC	Local
Start		
Bottom	1919	
End	1924	

Positional Information	
Lat: 49 ° 0.67 N	Lon: 125 ° 10.23 W

Lat:	49° 0.67'	N
Lon:	125° 10.237'	W

Lat:	49° 06' 79"
Lon:	125° 10' 250"

Oxygen Info For This Cast	
Blank Value: _____	_____ mL · L ⁻¹
Std Value: _____	_____ mL · L ⁻¹
*Date Run: _____	_____
Analyst: _____	

Transmissometer to be cleaned before each cast, do not use Ammonia products

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

ms

Water Properties Group

Rosette Log

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

Cruise ID: 2013-50 Station: ETO9 Event #: 38 Ship: Tully UTC Date (dd|mm|yyyy): 06 | 07 | 2013

Niskin #	Sample #	Oxygen Titrations Flask Value Serial # mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal Chl NH ₄	Comments
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Bottom Depth: 507 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1950	
Bottom	1952	
End	1958	

Positional Information

Lat: 49° 0.105' N
Lon: 125° 10.858' W

Bottom

Lat: 49° 0.109' N
Lon: 125° 10.866' W

End

Lat: 49° 0.107' N
Lon: 125° 10.920' 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

Blue #3