

Water Properties Group

Rosette Log

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

Cruise ID: 2010-22

Station: SI

Event #: 1

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 01 | DEC | 2010

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	1	1397	0.333	100	✓ 101	X	X									
2	2	1392	2.624	75	✓ 75	X	X	X								
3	3	1330	4.287	50	✓ 50	X	X									
4	4	1318	4.073	30	✓ 30	XX	X									
5	5	3151	3.726	20	✓ 20	X	X		XX							
6	6	2020		10	✓ 10	X	XX		XX							
7	7	3206	4.139	5	✓ 5	X	X									
8	8	1298	5.539	sfc	✓ 1	X	X		XX							
9																
10																
11	4	1300	4.058													
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): R. J. D. T. + M.

Bottom Depth: 179 m

Transmisso Cleaned: (Y) I N

Time	UTC	Local
Start	21:05	13:05
Bottom	21:13	13:13
End	21:23	13:23

Positional Information

Start Lat: 48 ° 39.38 N
Lon: 123 ° 29.99 W

Bottom Lat: 48 ° 39.37 N
Lon: 123 ° 30.01 W

End Lat: 48 ° 39.38 N
Lon: 123 ° 30.02 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
Std Value: 0.1255 mL · L⁻¹
*Date Run: 01 | Dec | 2010
Analyst: W. J. D.

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

6302

Water Properties Group

Rosette Log

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

Cruise ID: 2010-22 Station: 59 Event #: 3 Ship: Vector UTC Date (dd|mmm|yyyy): 01 | 12 | 2010

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	9	1397	4.314	6-5	✓ 221	X	X									
2	10	1392	4.296	200	✓ 200	X	X	X								
3	11	1330	4.460	175	✓ 175	X	X									
4	12	2020	4.485	150	✓ 150	X	X									
5	13	1300	4.734	125	✓ 125	X	X									
6	14	3206	4.857	100	✓ 100	X	X									
7	15	1298	4.957	75	✓ 75	X	X									
8	16	3151	4.949	50	✓ 50	X	X									
9	17	1408	5.007	30	✓ 30	X	X									
10	18	1307	5.064	20	✓ 20	X	X	XX								
11	19	2014	5.100	10	✓ 10	X	X	XX								
12	20	1395	5.108	5	✓ 5	X	X									
13	21	745	5.133	sfc	✓	X	X		XX							
14																
15																
16	12	1318	4.522													
17	17	3090	4.999													
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
Ron, David T., Melissa

Bottom Depth: 231 m

Transmisso Cleaned: 01 N

	UTC	Local
Start	<u>23:48</u>	<u>15:48</u>
Bottom	<u>23:53</u>	<u>15:53</u>
End	<u>00:10</u>	<u>16:10</u>

Positional Information

Start

Lat: 48 ° 37.78 N

Lon: 123 ° 14.59 W

Bottom

Lat: 48 ° 37.76 N

Lon: 123 ° 14.52 W

End

Lat: 48 ° 37.65 N

Lon: 123 ° 14.47 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 01/12/2010

Analyst: Mel

* 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: 2010-22 Station: 102 Event #: 7 Ship: Vector UTC Date (dd|mmm|yyyy): 02 | DEC | 2010

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	22	1488	2.298	101-5	✓	240	x	x								
2	23	1421	2.227	250	✓	240	x	x	x							
3	24	1322	2.353	200	✓	200	x	xx								
4	25	708	2.458	175	✓	175	x	x								
5	26	3203	2.744	150	✓	150	xx	x								
6	27	690	3.781	125	✓	125	xx	x								sm. piece of paper in
7	28	1400	5.349	100	✓	100	x	x								box sample
8	29	3181	6.061	75	✓	75	x	x								
9	30	1490	6.307	50	✓	50	x	x								
10	31	2084	6.346	30	✓	30	x	x								
11	32	3007	6.256	20	✓	20	x	xx	xx							
12	33	2033	6.354	10	✓	10	x	x	xx							
13	34	2065	6.442	5	✓	5	x	x								
14	35	1481	6.451	surface	✓	sfc	x	x	xx							
15																
16																
17	26	3055	2.723													
18	27	3033														Cap broke in flask
19																
20																
21																
22																
23																
24																

Watchkeeper(s): REAS

Bottom Depth: 253 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	1021	0221
Bottom	1029	0229
End Sample	1046	0246

Positional Information

Start Lat: 48 ° 29.99 N
Lon: 124 ° 43.91 W

Start

Bottom Lat: 48 ° 30.00 N
Lon: 124 ° 43.67 W

Bottom

End Lat: 48 ° 30.00 N
Lon: 124 ° 45.51 W

End

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: 02 DEC 12010

Analyst: Kenny & Mel

* 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: 2010 22 Station: 75 Event #: 10 Ship: VECTOR UTC Date (dd|mmm|yyyy): 02 | DEC | 2010

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	36	1298	2.479	B-5	✓	212	X	X									
2	37	2014	2.506	200	✓	200	}	}	X								
3	38	3151	2.581	175	✓	175	}	X									
4	39	1408	2.832	150	✓	150	X										
5	40	1307	3.513	125	✓	125	}										
6	41	1300	4.746	100	✓	100	}										
7	42	1330	5.591	75	✓	75	}										
8	43	1397	6.142	50	✓	50	}										
9	44	1318	6.235	30	✓	30	X										
10	45	2020	6.320	20	✓	20	}	X		XX							
11	46	3206	6.358	10	✓	10	}			XX							
12	47	1395	6.436	5	✓	5	}										
13	48	745	6.542	SFC		1.3	X	X		XX							
14																	
15																	
16	39	3090	2.814														
17	44	1392	6.235														
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): PC DS KS

Bottom Depth: 220 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	13 02	05 02
Bottom	13 07	05 07
End	13 22	05 22

Positional Information

Start
 Lat: 48 ° 28.23 N
 Lon: 124 ° 32.69 W

Bottom
 Lat: 48 ° 28.18 N
 Lon: 124 ° 32.69 W

End
 Lat: 48 ° 28.19 N
 Lon: 124 ° 32.44 W

Oxygen Info For This Cast

Blank Value: 0.0097 mL · L⁻¹
 Std Value: 0.7255 mL · L⁻¹
 *Date Run: 02 | Dec | 2010
 Analyst: me

* 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: 2010 22 Station: 72 Event #: 13 Ship: VECTOR UTC Date (dd|mmm|yyyy): 02 | DEC | 2010

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	49	1166	2.624	B-5	✓	186	X	X									
2	50	2063	2.715	175	✓	175	X	X	X								
3	51	3193	3.114	150	✓	150	X	X									
4	52	1473	3.671	125	✓	125	X	X									
5	53	1377	3.859	100	✓	100	X	X									
6	54	1213	4.481	75	✓	75	X	X									
7	55	3200	4.492	50	✓	50	X	X									
8	56	2092	4.862	30	✓	30	X	X									
9	57	3075	5.075	20	✓	20	X	X		XX							
10	58	1247	5.153	10	✓	10	X	X		XX							
11	59	1128	5.165	5	✓	5	X	X									
12	60	1314	5.169	sfk	✓	1.2	X	X		XX							
13																	
14																	
15																	
16	52	3019	3.678														
17	57	3016	5.070														
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): KE/BS/KS

Bottom Depth: 189 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1657	0857
Bottom	1702	0902
End	1715	0915

Positional Information

Start
 Lat: 48 ° 18.58 N
 Lon: 124 ° 3.98 W

Bottom
 Lat: 48 ° 18.57 N
 Lon: 124 ° 3.97 W

End
 Lat: 48 ° 18.47 N
 Lon: 124 ° 3.99 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
 Std Value: 0.7255 mL · L⁻¹
 *Date Run: 02.12.10
 Analyst: Mei

* 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: 2010 22 Station: 69 Event #: 16 Ship: VECTOR UTC Date (dd|mmm|yyyy): 02 | DEC | 2010

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	61	3190	2.860	6-5	✓ 174	X	X									precipitate on cap of oxy flask
2	62	3024	2.924	150	✓ 151	1	7X	X								
3	63	3047	4.028	125	✓ 125	X										
4	64	2085	4.540	100	✓ 102											
5	65	3067	4.735	75	✓ 76											
6	66	1485	5.063	50	✓ 50											
7	67	3198	5.656	30	✓ 30		X									
8	68	2015	5.898	20	✓ 20	X			XX							
9	69	2090	6.197	10	✓ 10				XX							
10	70	3121	6.280	5	✓ 5											
11	71	2025	6.300	Sfc	✓ 1.2	X	X		XX							Fired manually computer reset at the surface. cap broken in oxy flask
12																
13																
14	63	3113	—													
15	68	3188	5.894													
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL/DT/MH

Bottom Depth: 178 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	19:40	11:40
Bottom	19:45	11:45
End	19:57	11:57

Positional Information

Start Lat: 48 ° 15.57 N
Lon: 123 ° 43.13 W

Bottom Lat: 48 ° 15.53 N
Lon: 123 ° 43.14 W

End Lat: 48 ° 15.50 N
Lon: 124 ° 43.15 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL • L⁻¹
Std Value: 0.7255 mL • L⁻¹
*Date Run: 02 | 12 | 10
Analyst: Mei

* 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: 2010-22 Station: ADCP Event #: 19 Ship: VECTOR UTC Date (dd|mmm|yyyy): 02 | DEC | 2010

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	1298	4.196	6-5	✓ 116	X	X									
2	73	2014	4.261	100	✓ 101			X								
3	74	3151	4.485	75	✓ 75											
4	75	1408	5.007	50	✓ 50											
5	76	3090	5.346	30	✓ 298	X										
6	77	1300	5.405	20	✓ 20		X		XX							
7	78	1330	5.430	10	✓ 10				XX							
8	79	1397	5.430	5	✓ 5											cap popped out of
9	80	1318	5.438	SFC	✓ 13	X	X		XX							oxy flask before analysis
10																
11																
12	76	1307	5.359													
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL/DT/MH

Bottom Depth: 122 m

Transmisso Cleaned: Ø 1 N

	UTC	Local
Time		
Start	22 42	14:42
Bottom	22 44	14:44
End	22 54	14:54

Positional Information

Start Lat: 48 ° 14.02 N
Lon: 123 ° 18.04 W

Bottom Lat: 48 ° 14.02 N
Lon: 123 ° 18.06 W

End Lat: 48 ° 14.03 N
Lon: 123 ° 18.20 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
Std Value: 0.7255 mL · L⁻¹
*Date Run: 02 | 12 | 10
Analyst: mel

* 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: 2010-22 Station: 65 Event #: 23 Ship: VECTOR UTC Date (dd|mmm|yyyy): 03 | 12 | 2010

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	81	3190	4.050	6-5	☒ 121	x	x									
2	82	3024	4.119	100	☒ 98			x								
3	83	3047	4.667	75	☒ 76											
4	84	2085	5.008	50	☒ 51											
5	85	3067	5.063	30	☒ 30	x										
6	86	1485	5.087	20	☒ 20		x		xx							
7	87	3198	5.093	10	☒ 10				xx							
8	88	3188	5.115	5	☒ 5											
9	89	2015	5.130	sfc	☒ 1.3	x	x		xx							
10																
11																
12																
13	85	2047	5.063													
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL/DT/MH

Bottom Depth: 125 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	01:33	17:50
Bottom	01:36	17:36
End	01:49	17:49

Positional Information

Start

Lat: 48 ° 15.86 N

Lon: 123 ° 09.81 W

Bottom

Lat: 48 ° 15.86 N

Lon: 123 ° 09.84 W

End

Lat: 48 ° 15.60 N

Lon: 123 ° 10.03 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 03 | 12 | 10

Analyst: mei

* 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: 2010-22Station: 62Event #: 26Ship: vectorUTC Date (dd|mmm|yyyy): 03 | 12 | 2010

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	90	1298	4.386	6-5	☒ 144	x	x									
2	91	2014	4.772	125	☒ 126	x	x	x								
3	92	3151	5.144	100	☒ 101	x	x									
4	93	1408	5.277	75	☒ 75	x	x									
5	94	3090	5.274	50	☒ 50	x	x									
6	95	1307	5.305	30	☒ 30	x	x									
7	96	1300	5.352	20	☒ 20	x	x		xx							
8	97	1330	5.371	10	☒ 10	x	x		xx							
9	98	1397	5.365	10	☒ 10	xx	xx									
10	99	1392	5.393	5	☒ 5	x	x		xx							
11	100	2020	5.411	5	☒ 1.2	x	x		xx							
12																
13																
14	78	1318	5.354													
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL/DT/MHBottom Depth: 140 mTransmisso Cleaned: Y / N

Time	UTC	Local
Start	4:28	
Bottom	4:32	
End	4:48	

Positional Information

Start
Lat: 48 ° 22.78 N
Lon: 123 ° 2.58 WBottom
Lat: 48 ° 22.80 N
Lon: 123 ° 2.58 WEnd
Lat: 48 ° 22.80 N
Lon: 123 ° 2.62 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL • L⁻¹Std Value: 0.7285 mL • L⁻¹*Date Run: 03/12/10Analyst: Mel

* 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: 2010-22 Station: 56 Event #: 32 Ship: Vector UTC Date (dd|mmm|yyyy): 03 | DEC | 2010

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	101	3190	4.869	6-5	☒	210	X	X								
2	102	3024	4.791	200	☒	201	X	X	X							
3	103	3047	4.795	175	☒	176	X	X								
4	104	2085	4.779	150	☒	150	X	XX								
5	105	3067	4.814	125	☒	125	X	X								
6	106	2047	4.872	100	☒	100	X	X								
7	107	1485	4.949	75	☒	75	XX	X								
8	108	3188	4.994	50	☒	50	X	X								
9	109	2015	5.001	30	☒	30	X	X								
10	110	3119	5.005	20	☒	20	X	X	XX							
11	111	3201	4.997	10	☒	10	X	X	XX							
12	112	3096	5.009	5	☒	5	X	X								
13	113	639	5.026	0	☒	1.4	X	X	XX							
14																
15																
16	107	3198	4.953													
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RE/SS/KS

Bottom Depth: 220 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	11:30	03:30
Bottom	11:36	03:36
End	11:49	03:49

Positional Information

Start
 Lat: 48 ° 46.31 N
 Lon: 123 ° 1.64 W

Bottom
 Lat: 48 ° 46.44 N
 Lon: 123 ° 1.51 W

End
 Lat: 48 ° 46.77 N
 Lon: 123 ° 1.24 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL • L⁻¹

Std Value: 0.7255 mL • L⁻¹

*Date Run: 3 | 12 | 10

Analyst: W. J.

* 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: 2010-22 Station: 46 Event #: 39 Ship: VECTOR UTC Date (dd|mmm|yyyy): 03 | DEC | 2010

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	114	1298	4.784	6-5	✓ 176	X	X									
2	115	2014	4.866	150	✓ 151	}	}	X								
3	116	3151	4.909	125	✓ 126	}	}									
4	117	1408	4.970	100	✓ 100	}	X									
5	118	1307	4.932	75	✓ 75	X	}									
6	119	/	/	50	✓ 50	}	}									— bottle misfire
7	120	1330	5.186	30	✓ 30	}	}									
8	121	1397	5.460	20	✓ 20	}	}		XX							
9	122	1318	5.618	10	✓ 10	}	}		XX							
10	123	1392	5.653	5	✓ 5	}	}									
11	124	2020	5.641	SPC	✓ 1.3	X	X		XX							
12																
13																
14	118	3090	4.922													
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RC/DS/KS

Bottom Depth: 180 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	16:18	08:18
Bottom	16:21	08:21
End	16:35	08:35

Positional Information

Lat:	48 °	51.40	N
Lon:	123 °	10.82	W

Start

Bottom

Lat:	48 °	51.39	N
Lon:	123 °	10.84	W

Bottom

End

Lat:	48 °	51.39	N
Lon:	123 °	10.83	W

End

Oxygen Info For This Cast

Blank Value:	0.0047	mL • L ⁻¹
Std Value:	0.7255	mL • L ⁻¹
*Date Run:	3/12/10	
Analyst:	Mel	

* 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: 2010-22 Station: 42 Event #: 43 Ship: VECTOR UTC Date (dd|mmm|yyyy): 03 | DEC | 2010

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	125	1106	2.847	5-5	✓ 315	X	X									
2	126	2063	2.882	300	✓ 302			X								
3	127	3193	3.035	250	✓ 252											
4	128	1473	3.191	200	✓ 201											
5	129	3019	3.364	175	✓ 176											
6	130	1377	3.714	150	✓ 151											
7	131	1213	4.050	125	✓ 125											
8	132	3200	4.534	100	✓ 100		X									
9	133	2092	4.447	75	✓ 75	X										
10	134	3016	3.929	50	✓ 50											
11	135	1247	4.382	30	✓ 30											
12	136	1128	4.678	20	✓ 20				XX							
13	137	1314	5.486	10	✓ 10				XX							
14	138	2061	5.724	5	✓ 5											
15	139	2017	5.895	SFC	✓ 1.5	X	X		XX							
16																
17																
18																
19	133	3075	4.440													
20																
21																
22																
23																
24																

Watchkeeper(s): RL DT MH

Bottom Depth: 319 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	1935	1135
Bottom	1943	1143
End	20:02	12:02

Positional Information

Start Lat: 49 ° 1.81 N
Lon: 123 ° 26.22 W

Start

Bottom Lat: 49 ° 1.83 N
Lon: 123 ° 26.22 W

Bottom

End Lat: 49 ° 1.81 N
Lon: 123 ° 26.24 W

End

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
Std Value: 0.7255 mL · L⁻¹
*Date Run: 4 11 21 10
Analyst: Mel

* 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: 2010-22 Station: 39 Event #: 48 Ship: Vector UTC Date (dd|mmm|yyyy): 03|12|2010

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	Ph ₂			
1	140	3190	2.763	0-5	✓ 376									
2	141	3024	2.759	350	✓ 353		xx	xx						
3	142	3047	2.935	300	✓ 302									
4	143	2085	3.019	250	✓ 250									
5	144	3067	3.193	200	✓ 202	xx								
6	145	1485	3.223	175	✓ 175									
7	146	3198	3.230	150	✓ 151		xx							
8	147	3188	3.267	125	✓ 125									
9	148	2015	3.353	100	✓ 100									
10	149	3119	3.407	75	✓ 75									
11	150	3201	3.668	50	✓ 50									
12	151	3096	4.050	30	✓ 30	xx								
13	152	2090	5.793	20	✓ 20				xx					
14	153	3121	6.712	10	✓ 10				xx					
15	154	2025	6.836	5	✓ 5					xx	xx			
16	155	3100	6.885	sf	1.3	✓	✓		xx					
17														
18														
5 ¹⁹	144	2047	3.181											
12 ²⁰	151	639	4.050											
21														
22														
23														
24														

Watchkeeper(s): RL DT MH

Bottom Depth: 376 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	23:42	15:42
Bottom	23:46	15:46
End	00:06	16:06

Positional Information

Start

Lat: 49 ° 9.76 N

Lon: 123 ° 33.03 W

Bottom

Lat: 49 ° 9.77 N

Lon: 123 ° 33.02 W

End

Lat: 49 ° 9.79 N

Lon: 123 ° 32.99 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 4|12|10

Analyst: Mei

* 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: 2010-22 Station: 27 Event #: 51 Ship: Vector UTC Date (dd|mmm|yyyy): 04 | 12 | 2010

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	156	1421	2.812	6-5	✓ 342	x		x						
2	157	1488	2.848	300	✓ 302									
3	158	708	2.904	250	✓ 252									
4	159	1322	2.971	200	✓ 201									
5	160	3203	3.007	175	✓ 176									
6	161	1481	3.171	150	✓ 151									
7	162	2084	3.228	125	✓ 126									
8	163	1400	3.361	100	✓ 100									
9	164	3181	3.202	75	✓ 75		xx							
10	165	3007	3.702	50	✓ 50									
11	166	2033	5.157	30	✓ 30									
12	167	2065	6.278	20	✓ 20	xx			xx					
13	168	1490	6.708	10	✓ 10				xx					
14	169	3055	6.796	5	✓ 5									
15	170	690	6.846	sf	✓ 1.2	xx	xx	x	xx					
16														
17														
18	167	2069	6.344											
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL, DT, MH

Bottom Depth: 344 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	02:28	18:28
Bottom	02:35	18:35
End	02:54	18:54

Positional Information

Start
Lat: 49° 19.09 N
Lon: 123° 47.99 W

Bottom
Lat: 49° 19.07 N
Lon: 123° 47.99 W

End
Lat: 49° 19.09 N
Lon: 123° 47.98 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 4 | 12 | 10

Analyst: ml

* 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: 2010-22 Station: 2 Event #: 55 Ship: Vector UTC Date (dd|mmm|yyyy): 04 | 12 | 2010

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	171	1298	2.787	6-5	☒ 274	X	X									
2	172	2014	2.820	250	☒ 252	X	X	XX								Forgot to A into for this samp
3	173	3151	2.944	200	☒ 202	X	X									
4	174	1408	3.016	175	☒ 176	X	X									
5	175	1307	3.038	150	☒ 151	X	X									
6	176	1392	3.139	125	☒ 125	X	X									
7	177	1300	3.201	100	☒ 100	X	X									
8	178	3090	3.578	75	☒ 75	X	X									
9	179	1330	4.686	50	☒ 50	X	XX									
10	180	1397	5.056	30	☒ 30	X	X									
11	181	1318	5.342	20	☒ 20	X	X		XX							
12	182	2020	5.498	10	☒ 10	XX	X		XX							
13	183	1395	5.787	5	☒ 5	X	X									
14	184	745	5.964	5f	☒ 1.57	X	X		XX							
15																
16	182	3206	5.497	10	☒ 10											
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL DT MH

Bottom Depth: 277 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Start	06:35	22:35
Bottom	06:40	22:40
End	06:56	22:56

Positional Information

Start

Lat: 49° 24.09 N

Lon: 124° 9.32 W

Start

Bottom

Lat: 49° 24.09 N

Lon: 124° 9.32 W

Bottom

End

Lat: 49° 24.11 N

Lon: 124° 9.31 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

Water Properties Group

Rosette Log

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

Cruise ID: 2010-22

Station: 3

Event #: 57

Ship: Vector

UTC Date (dd|mmm|yyyy): 04|12|2010

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	185	1421	2.778	6-5	✓ 318	x	x									
2	186	1488	2.773	300	✓ 302											
3	187	708	2.836	250	✓ 251											
4	188	1322	2.953	200	✓ 201											
5	189	3203	2.990	175	✓ 176		xx									
6	190	3181	3.081	150	✓ 151											
7	191	1481	3.006	125	✓ 126											*put in 100 for d instead of 125
8	192	2084	3.018	100	✓ 100											
9	193	1400	3.635	75	✓ 75			x								*quite a few particles in soap
10	194	3007	4.175	50	✓ 50	xx										
11	195	2065	4.683	30	✓ 30											unsure about endpt. picked
12	196	2069	5.272	20	✓ 20				xx							↳ wrong depth inputted
13	197	1490	5.283	10	✓ 10				xx							
14	198	3055	5.440	5	✓ 5											
15	199	690	5.853	Sf	1.1	x	x		xx							
16																
17	194	2033	4.166		30											
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): IC/DS/KS

Bottom Depth: 322 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0827	0027
Bottom	0834	0034
End	0851	0051

Positional Information

Start

Lat: 49 ° 26.59 N

Lon: 124 ° 20.26 W

Bottom

Lat: 49 ° 26.61 N

Lon: 124 ° 20.30 W

End

Lat: 49 ° 26.61 N

Lon: 124 ° 20.26 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: 2010-22 Station: 6 Event #: 60 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | DEC | 2010

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	200	3151	2.921	6-5	✓	189	X	X									
2	201	1298	2.994	175	✓	176											
3	202	2014	3.006	150	✓	151											
4	203	1408	3.022	125	✓	125			X								
5	204	1307	3.170	100	✓	100											
6	205	1392	4.151	75	✓	75		X									
7	206	1300	5.078	50	✓	50											
8	207	3090	5.495	30	✓	30											
9	208	1330	5.972	20	✓	20	X			XX							big bubble under stopper!
10	209	1318	6.109	10	✓	10				XX							
11	210	2020	6.117	5	✓	5											
12	211	745	6.130	spc	✓	1.3	X	X		XX							many particles in sample
13																	
14	208	1397	5.911			20											
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): PC/BS/KS

Bottom Depth: 192 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	10:48	02:48
Bottom	10:54	02:54
End	11:06	03:06

Positional Information

Start
 Lat: 49 ° 30.62 N
 Lon: 124 ° 27.78 W

Bottom
 Lat: 49 ° 30.60 N
 Lon: 124 ° 27.82 W

End
 Lat: 49 ° 30.55 N
 Lon: 124 ° 27.84 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: 2010-22 Station: 9 Event #: 62 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | DEC | 2010

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	212	1106	2.938	6-5	✓	167	X	X									
2	213	2063	2.894	150	✓	151											
3	214	3193	2.859	125	✓	126			X								
4	215	1473	2.869	100	✓	100											
5	216	3019	3.126	75	✓	75		X									
6	217	1377	5.621	50	✓	50											
7	218	1213	5.621	30	✓	30											
8	219	3200	5.712	20	✓	20	X			XX							
9	220	3075	5.929	10	✓	10				XX							
10	221	3016	6.077	5	✓	5											
11	222	1247	6.113	SFC	✓	1.2	X	X		XX							
12																	
13	219	2092	5.705	20		20											
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): PC/DS/KS

Bottom Depth: 171 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	12:54	04:54
Bottom	13:00	05:00
End	13:12	05:12

Positional Information

Start
 Lat: 49 ° 35.45 N
 Lon: 124 ° 38.26 W

Bottom
 Lat: 49 ° 35.44 N
 Lon: 124 ° 38.23 W

End
 Lat: 49 ° 35.40 N
 Lon: 124 ° 38.26 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: 2010-22 Station: 12 Event #: 67 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | DEC | 2010

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	223	3190	2.860	6.5	✓ 352	X	X									
2	224	3024	3.012	250	✓ 251											
3	225	3047	2.971	200	✓ 201											
4	226	2085	2.952	175	✓ 176			X								
5	227	3067	2.888	150	✓ 151											
6	228	2047	3.086	125	✓ 125	X										bugs in sample, valy peak
7	229	3198	3.101	100	✓ 100											
8	230	3188	3.656	75	✓ 75		X									
9	231	2015	5.746	50	✓ 50											
10	232	3119	5.907	30	✓ 30											
11	233	3201	5.953	20	✓ 20				XX							
12	234	3096	5.954	10	✓ 10				XX							
13	235	639	6.021	5	✓ 5											
14	236	2090	6.144	8A	✓ 1.3	X	X		XX							
15																
16																
17																
18	228	1485	3.103													
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RE/DC/KC

Bottom Depth: 360 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	16:05	08:05
Bottom	16:12	08:12
End	16:29	08:29

Positional Information

Start

Lat: 49 ° 43.58 N

Lon: 124 ° 40.79 W

Bottom

Lat: 49 ° 43.55 N

Lon: 124 ° 40.82 W

End

Lat: 49 ° 43.55 N

Lon: 124 ° 40.78 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 4.1.12.10

Analyst: mel

* 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: 2010-22 Station: 14 Event #: 70 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | DEC | 2010

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	237	1298	2.792	5-5	✓ 310	X	X									
2	238	2014	2.806	300	✓ 300											
3	239	1408	2.863	250	✓ 250			X								
4	240	1307	2.857	200	✓ 200											
5	241	1392	2.878	175	✓ 175											
6	242	1300	2.846	150	✓ 150											
7	243	3090	2.802	125	✓ 125											
8	244	1330	2.888	100	✓ 100		X									bugs in sample, only peak
9	245	1397	3.407	75	✓ 75											oxy cap loose, no air in it but dmg leaked in
10	246	3151	4.608	50	✓ 50	X										
11	247	2020	4.918	30	✓ 30											
12	248	745	5.305	20	✓ 20				XX							
13	249	3206	5.784	10	✓ 10				XX							
14	250	1395	6.123	5	✓ 4.7											
15	251	1321	6.261	5-2	✓ 1.22	X	X		XX							
16																
17																
18	246	1318	4.594													
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
RL, DT, MH

Bottom Depth: 310 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:26	13:26
Bottom	21:32	13:32
End	21:51	13:53

Positional Information

Start

Lat: 49 ° 53.02 N

Lon: 124 ° 59.60 W

Bottom

Lat: 49 ° 53.01 N

Lon: 124 ° 59.22 W

End

Lat: 49 ° 52.96 N

Lon: 124 ° 59.57 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 04.12.10

Analyst: Mel

* 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: 2010-22 Station: 16 Event #: 72 Ship: VECTOR UTC Date (dd|mmm|yyyy): 04 | DEC | 2010

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	Phyto			
1	252	1421	2.921	6.5	✓ 152	X	X							
2	253	1488	3.572	125	✓ 124			X						
3	254	708	4.001	100	✓ 100		X							
4	255	1322	4.194	75	✓ 75									up to 70m back 75m
5	256	3181	4.507	50	✓ 45	X								
6	257	1481	4.741	30	✓ 30									
7	258	2084	4.731	20	✓ 19				XX					
8	259	1400	4.688	10	✓ 10				XX					
9	260	3007	4.704	5	✓ 5					XX				
10	261	2033	4.701	stk	✓ 1	X	X		XX					
11														
12														
13	256	3203	4.554											
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL, DT, M H

Bottom Depth: 152 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	23:57	15:57
Bottom	00:01	16:01
End	00:06	16:06

Positional Information

Start

Lat: 49° 58.80 N

Lon: 125° 4.30 W

Bottom

Lat: 49° 58.81 N

Lon: 125° 4.30 W

End

Lat: 49° 58.81 N

Lon: 125° 4.29 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7255 mL · L⁻¹

*Date Run: 5/12/10

Analyst: Mel

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