

Water Properties Group

Rosette Log

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

Cruise ID: 2010-24 Station: TS-02 Event #: 003 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 04 | 10

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	3016	4.703	250	✓	✓	✓									
2	2	3097	4.551	248	✓											
3	3	2014	4.533	246	✓											
4	4	3094	5.695	240	✓											
5	5	2025	5.810	150	✓	*							*		BUBBLE on LENSE	
6	6	3196	5.888	100	✓	✓										
7	7	1312	5.891	50	✓											
8	8	3157	5.873	25	✓											
9	9	3024	6.245	10	✓		✓	✓								
10	10	3206	6.331	5	✓			✓								
11	11	2092	7.632	0		✓	✓	✓								
12																
13																
14																
15																
16		2063	ON NEXT CAST FILE & PAGE													
17																
18																
19		7 = 6	REP													
20		8 = 7														
21		9 = 8														
22		10 = 9														
23		11 = 10														
24		11 = 2063														

Watchkeeper(s): H.M.

Bottom Depth: 252 m

Transmisso Cleaned: ✓ N

	UTC	Local
Start	1601	
Bottom	1609	
End	1627	

Positional Information

Start

Lat: 48 ° 50.54 N

Lon: 123 ° 07.69 W

Bottom

Lat: 48 ° 50.49 N

Lon: 123 ° 07.60 W

End

Lat: 48 ° 50.57 N

Lon: 123 ° 07.55 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: 2010-24 Station: TS 03 Event #: 005 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 04 | 10

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	12	3161	3.818	B-2	✓ 217	✓	✓	✓								
2	13	1128	3.670	-4	✓ 214	✓	✓	✓								
3	14	3193	3.769	-6	✓ 212	✓	✓	✓								
4	15	3119	5.455	150	✓											
5	16	3200	5.562	100	✓											
6	17	1402	5.995	50	✓	✓										
7	18	2091	6.545	25	✓											
8	19	3104	7.233	10	✓			✓								
9	20	3100	7.991	5	✓											
10	21	3177	8.508	0		✓	✓									
11																
12	16R	3142	5.660													
13																
14																
15																
16																
17	11	2063	2.632	0.049	- NO	GOOD - WOULD NOT TITRATE										TS 02
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H. J.

Bottom Depth: 220 m
Transmisso Cleaned: 6/1 N

Time	UTC	Local
Start	1718	
Bottom	1724	
End	1736	

Positional Information
Start Lat: 49 ° 52.10 N
Lon: 123 ° 13.08 W

Bottom Lat: 48 ° 52.07 N
Lon: 123 ° 12.95 W

End Lat: 48 ° 51.97 N
Lon: 123 ° 12.70 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: 2010-24 Station: TS 06 Event #: 013 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 04 | 10

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	42	1403	3.292	B-2	✓	193.7	✓	✓	✓								
2	43	1248	3.285	B-4	✓	191.4	✓	✓									
3	44	471	3.298	B-6	✓	189.3	✓	✓									
4	45	1314	5.054	150	✓		✓		✓								
5	46	1330	5.614	100	✓		✓										
6	47	745	5.530	50	✓		✓										
7	48	1298	6.221	25	✓		✓										
8	49	1421	6.635	10	✓		✓										
9	50	1488	7.793	5	✓		✓										
10	51	1247	8.077	0	✓		✓	✓									
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 196 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2135	1435
Bottom	2141	
End	2152	

Positional Information
 Start Lat: 48 ° 57.47 N
 Lon: 123 ° 16.64 W

Bottom Lat: 48 ° 57.46 N
 Lon: 123 ° 16.63 W

End Lat: 48 ° 57.43 N
 Lon: 123 ° 16.06 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 ID: 2010-24 Station: TS 07 Event #: 015 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 04 | 10

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	52	94	3.345	B-2	☒ 184.9	☒	☒	☒								
2	53	3033	—	B-4	☒ 182.6											NO SAMPLE - SAVED
3	54	1395	3.255	B-6	☒ 180.9											
4	55	1300	4.499	150	☒			☒								
5	56	1318	5.598	100	☒											
6	57	1338	6.263	50	☒		☒									
7	58	708	6.856	25	☒											
8	59	1322	6.511	10	☒											
9	60	1392	6.920	5												
10	61	1313	7.509	0												
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 107 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2229	1529
Bottom		
End		

Positional Information

Start Lat: 48 ° 55.14 N
 Lon: 123 ° 19.20 W

Bottom Lat: 48 ° 55 N
 Lon: 123 ° 19 W

End Lat: 48 ° 55 N
 Lon: 123 ° 19 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: 2010-24 Station: TS 08 Event #: 017 Ship: VECTOR UTC Date (dd|mmm|yyyy): | |

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	62	2065	3.728	B-2	☒	183.7	☒	☒								
2	63	1317	4.619	B-4	☒	181.2										
3	64	3207	4.184	B-6	☒	179										
4	65	3184	5.718	150	☒			☒								
5	66	3069	5.59	100	☒											
6	67	3108	5.738	50	☒		☒									
7	68	3124	6.941	25	☒											
8	69	1485	6.892	10	☒											
9	70	2040	7.290	5	☒											
10	71	2073	7.722	0	☒		☒									
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): N.M.

Bottom Depth: 187 m
Transmisso Cleaned: Ⓟ N

Time	UTC	Local
Start	2333	1633
Bottom	2340	
End	2351	

Positional Information
Start
Lat: 48 ° 55.67 N
Lon: 123 ° 18.22 W

Bottom
Lat: 48 ° 55.67 N
Lon: 123 ° 18.17 W

End
Lat: 48 ° 55.70 N
Lon: 123 ° 18.21 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: 2010-24 Station: TS 09 Event #: 021 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	2065	0.322	B-2	✓ 191.7	✓	✓	✓	*				ABORT	TITR STARTED @ 100 %
2	73	3043	3.104	B-4	✓ 189.4									
3	74	2055	3.115	B-6	✓ 187.6									
4	75	2015	5.585	150	✓			✓						
5	76	1489	5.552	100	✓									
6	77	690	5.438	50	✓									
7	78	2019	6.003	25	✓			✓						
8	79	2027	7.322	10	✓									
9	80	3182	8.330	5	✓									
10	81	1491	8.996	0	✓	✓	✓							
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): H.A.

Bottom Depth: 195 m
Transmisso Cleaned: (✓) / N

Time	UTC	Local
Start	1406	0706
Bottom	1414	
End	1426	

Positional Information
Start
Lat: 48 ° 56.27 N
Lon: 123 ° 21.19 W

Bottom
Lat: 48 ° 56.26 N
Lon: 123 ° 21.10 W

End
Lat: 48 ° 56.34 N
Lon: 123 ° 20.97 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: 2010-24 Station: TS 10 Event #: 0022 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	82			B-2	☒	195.2	☒									
2	83			B-4	☒	193.2										
3	84			B-6	☒	191.2										
4	85			150	☒											
5	86			100	☒											
6	87			50	☒											
7	88			25	☒		☒									
8	89			10	☒											
9	90			5	☒											
10	91			0	☒											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 198 m
Transmisso Cleaned: 6 / 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: 2010-24 Station: TS 11 Event #: 6023 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	92	3016	2.810	B-2	☒ 215.5	☒	☒	☒								
2	93	3097	2.831	B-4	☒ 213.4	☒	☒									
3	94	2014	2.839	B-6	☒ 210.8	☒	☒									
4	95	3094	5.432	150	☒	☒	☒	☒								
5	96	2025	5.766	100	☒	☒	☒									
6	97	3196	5.456	50	☒	☒	☒									
7	98	1312	5.640	25	☒	☒	☒									
8	99	3157	6.898	10	☒	☒	☒									
9	100	3024	8.229	5	☒	☒	☒									
10	101	3206	10.016	0		☒	☒									
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 220 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1536	0836
Bottom	1542	
End	1554	

Positional Information
Start Lat: 48 ° 57.78 N
Lon: 123 ° 22.36 W

Bottom Lat: 48 ° 57.77 N
Lon: 123 ° 22.34 W

End Lat: 48 ° 57.73 N
Lon: 123 ° 22.39 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: 2010-24 Station: TS 12 Event #: 0025 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	102			B-2	☒ 215		☒									
2	103			B-13	☒ 204											
3	104			B-23	☒ 193											
4	105			150	☒											
5	106			100	☒											
6	107			50	☒											
7	108			25	☒		☒									
8	109			10	☒											
9	110			5												
10	111			0			☒									
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 218 m
Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1637	0937
Bottom	1646	
End	1659	

Positional Information
Start
Lat: 48 ° 58.00 N
Lon: 123 ° 21.80 W

Bottom
Lat: 48 ° 57.93 N
Lon: 123 ° 21.82 W

End
Lat: 48 ° 57.82 N
Lon: 123 ° 21.40 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: 2010-24 Station: TS 13 Event #: 027 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 16

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	112	2092	2.760	8-2	✓ 233.6	✓	✓	✓								
2	113	2063	2.747	B-11	✓ 225											
3	114	3161	2.753	B-20	✓ 215											
4	115	1128	3.431	150	✓			✓								
5	116	3193	5.789	100	✓											
6	117	3119	5.748	50	✓											
7	118	3200	5.502	25	✓		✓									
8	119	1402	7.115	10	✓											
9	120	3142	9.702	5	✓											
10	121	2091	10.317	0	✓	✓	✓									
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 239 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1739	1039
Bottom	1746	
End	1759	

Positional Information

Start Lat: 48 ° 58.35 N
Lon: 123 ° 23.34 W

Bottom Lat: 48 ° 58.29 N
Lon: 123 ° 23.25 W

End Lat: 48 ° 58.19 N
Lon: 123 ° 23.16 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 - 24 Station: TS 14 Event #: 00 29 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	122			B-2	✓	237		✓									
2	123			B-14	✓	227											
3	124				✓	217											
4	125			200	✓												
5	126			150	✓												
6	127			100	✓												
7	128			50	✓												
8	129			25	✓												
9	130			10	✓												
10	131			5	✓												
11	132			0	✓			↓									
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 246 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1918	1218
Bottom	1924	
End	1939	

Positional Information
 Start Lat: 48 ° 58.67 N
 Lon: 123 ° 22.63 W

Bottom Lat: 48 ° 58.69 N
 Lon: 123 ° 22.63 W

End Lat: 48 ° 58.70 N
 Lon: 123 ° 22.62 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: 2010-24 Station: TS 15 Event #: D031 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	133	2065	2.776	B-2	☒ 251	✓	✓	✓								
2	134	1317	2.723	B-14	☒ 241	✓	✓									
3	135	3207	2.777	B-24	☒ 231	✓	✓									
4	136	3184	2.879	200	☒	✓	✓	✓								
5	137	3069	3.781	150	☒	✓	✓									
6	138	3108	5.805	100	☒	✓	✓									
7	139	3124	5.661	50	☒	✓	✓									
8	140	1485	5.639	25	☒	✓	✓									
9	141	2040	7.968	10	☒	✓	✓									CALLED 140 SHOULD BE 141
10	142	2073	9.507	5	☒	✓	✓									
11	143	2082	11.288	0		✓	✓									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 255 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	2008	1308
Bottom	2015	
End	2031	

Positional Information
 Lat: 48 ° 58. 83 N
 Lon: 123 ° 23. 72 W

▼
 Lat: 48 ° 58. 84 N
 Lon: 123 ° 23. 70 W

▼
 Lat: 48 ° 58. 85 N
 Lon: 123 ° 23. 68 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: 2010-24 Station: TS 16 Event #: 0033 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	144			B-2	✓ 260		✓									
2	145			B-5	✓ 255											
3	146			B-8	✓ 250											
4	147			200	✓											
5	148			150	✓											
6	149			100	✓											
7	150			50	✓											
8	151			25	✓											
9	152			10	✓											
10	153			5	✓											
11	154			0	✓											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M

Bottom Depth: 259 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2109	1409
Bottom	2116	
End	2130	

Positional Information

Start
 Lat: 48 ° 59.25 N
 Lon: 123 ° 22.95 W

Bottom
 Lat: 48 ° 59.26 N
 Lon: 123 ° 22.96 W

End
 Lat: 48 ° 59.25 N
 Lon: 123 ° 22.97 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: 2010-24 Station: TS 17 Event #: 0035 Ship: VECTOR UTC Date (dd|mmm|yyyy): 15 | 04 | 10

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	155	3043	3.193	B-2	☒ 208	☒	☒	☒								
2	156	2055	3.176	B-4	☒ 205											
3	157	2015	3.181	B-6	☒ 202											
4	158	1484	3.188	200	☒ 200			☒								
5	159	690	5.548	150	☒											
6	160	2019	5.733	100	☒											
7	161	2027	5.472	50	☒											
8	162	3102	6.845	25	☒		☒									
9	163	1491	8.584	10	☒											
10	164	1393	9.891	5												
11	165	2088	10.106	0		☒	☒									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): A.M.

Bottom Depth: 211 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	2233	1533
Bottom	2239	
End	2252	

Positional Information
 Lat: 49 ° 01.39 N
 Lon: 123 ° 31.29 W

Start

Lat: 49 ° 01.37 N
 Lon: 123 ° 31.32 W

Bottom

Lat: 49 ° 01.43 N
 Lon: 123 ° 31.47 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: 2010-24 Station: TS 22 Event #: 0042 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 04 | 10

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	166	2065	5.872	B-2	☒	110	✓	✓	✓							
2	167	1317	5.843	B-4	☒	109										
3	168	3207	5.853	B-6	☒	106										
4	169	3184	6.008	50	☒				✓							
5	170	3069	5.866	25	☒											
6	171	3108	6.552	10	☒											
7	172	3124	9.350	5	☒											
8	173	1485	9.858	0	☒		✓	✓								
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 110 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1429	0729
Bottom	1434	
End	1442	

Positional Information

Start Lat: 49 ° 01.52 N
Lon: 123 ° 15.92 W

Bottom Lat: 49 ° 01.54 N
Lon: 123 ° 15.95 W

End Lat: 49 ° 01.51 N
Lon: 123 ° 15.91 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: 2010-24 Station: TS 19 Event #: 0044 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 04 | 16

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	174	2040	2.610	B-2	☒ 320	☒	☒	☒								
2	175	2073	2.618	B-5	☒ 315											
3	176	2082	2.608	B-8	☒ 312											
4	177	3043	3.045	200	☒			☒								
5	178	2055	5.556	150	☒											
6	179	2015	5.844	100	☒											
7	180	1489	5.926	50	☒											
8	181	690	5.511	25	☒											
9	182	2019	6.470	10	☒											
10	183	2027	9.392	5	☒											
11	184	3182	9.429	0	☒	☒	☒									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 322 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1544	0844
Bottom	1559	
End	1613	

Positional Information
Start
Lat: 49 ° 01 44 N
Lon: 123 ° 26.22 W

Bottom
Lat: 49 ° 01.36 N
Lon: 123 ° 26.22 W

End
Lat: 49 ° 01 42 N
Lon: 123 ° 26.25 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: 2610-24 Station: TS 25 Event #: 0048 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 04 | 10

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	3016	2.541	B-2	☒ 322	☒	☒	☒								
2	186	3097	2.505	B-4	☒ 320											
3	187	2014	2.509	B-35	☒ 289											
4	188	3094	2.850	250	☒			☒								
5	189	2025	3.985	200	☒											
6	190	3196	5.566	150	☒											
7	191	1312	5.335	100	☒											
8	192	3157	6.025	50	☒											
9	193	3024	6.001	25	☒											
10	194	3206	6.825	10	☒											
11	195	2092	10.422	5	☒											
12	196	2063	11.118	0	☒	☒	☒									
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 323 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1906	1206
Bottom	1915	
End	1930	

Positional Information
Start
Lat: 49 ° 03.42 N
Lon: 123 ° 27.85 W

Bottom
Lat: 49 ° 03 42 N
Lon: 123 ° 27 81 W

End
Lat: 49 ° 03 43 N
Lon: 123 ° 27 79 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: 2010-24 Station: TS 28 Event #: 054 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 04 | 10

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	197	3161	5.009	B-2	✓	115	✓	✓	✓								
2	198	1128	5.160	B-4	✓	111	✓	✓									
3	199	3193	5.195	B-6	✓	107	✓	✓									
4	200	3119	5.978	50	✓		✓	✓									
5	201	3200	5.999	25	✓		✓	✓									
6	202	1402	5.971	10	✓		✓	✓									
7	203	3142	6.353	5	✓		✓	✓									
8	204	2091	7.296	0	✓		✓	✓									
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 117 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	2218	1518
Bottom	2225	
End	2231	

Positional Information

Start
Lat: 48 ° 03.72 N
Lon: 123 ° 18.67 W

Bottom
Lat: 48 ° 03.74 N
Lon: 123 ° 18.68 W

End
Lat: 48 ° 03.74 N
Lon: 123 ° 18.70 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: 2010-24 Station: TS 32 Event #: 056 Ship: VECTOR UTC Date (dd|mmm|yyyy): 16 | 04 | 10

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	205	2065	2.880	B-2	✓ 186	✓	✓	✓								
2	206	1317	2.833	B-4	✓ 182											
3	207	3207	2.853	B-8	✓ 179											
4	208	3184	3.768	150	✓			✓								
5	209	3069	5.287	100	✓											
6	210	3108	5.075	50	✓											
7	211	3124	5.361	25	✓											
8	212	1485	5.960	10	✓											
9	213	2040	8.535	5	✓											
10	214	2073	9.802	0												
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 185 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	2304	1604
Bottom	2311	
End	2319	

Positional Information
Start
Lat: 49 ° 05.79 N
Lon: 123 ° 22.10 W

Bottom
Lat: 49 ° 05.85 N
Lon: 123 ° 22.22 W

End
Lat: 49 ° 05.93 N
Lon: 123 ° 22.35 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: 2010-24 Station: TS 30 Event #: 061 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	215	3016	2.558	B-2	☒ 330	✓	✓	✓								
2	216	3097	2.539	B-8	☒ 338											
3	217	2014	2.609	B-21	☒ 325											
4	218	3094	2.856	250	☒			✓								
5	219	2025	3.830	200	☒											
6	220	3196	5.462	150	☒											
7	221	1312	5.220	100	☒		✓									
8	222	3157	5.673	50	☒											
9	223	3024	5.946	25	☒											
10	224	3206	6.807	10	☒											
11	225	2092	8.921	5	☒											
12	226	2083	9.478	0	☒	✓	✓									
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.m.

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

Time	UTC	Local
Start	1412	0712
Bottom	1428	
End	1437	

Positional Information
Start
Lat: 49 ° 05.72 N
Lon: 123 ° 30.32 W

Bottom
Lat: 49 ° 05 70 N
Lon: 123 ° 30 32 W

End
Lat: 49 ° 05 67 N
Lon: 123 ° 30 36 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: 2010-24 Station: TS 29 Event #: 0062 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	227	3161	2.970	B-2	☒ 239	☒	☒	☒								
2	228	1128	2.934	B-4	☒ 237											
3	229	3193	2.906	B-6	☒ 235											
4	230	3119	3.422	200	☒			☒								
5	231	3200	5.484	150	☒											
6	232	1402	5.731	100	☒		☒									
7	233	3142	5.442	50	☒											
8	234	2091	6.349	25	☒											
9	235	3104	8.891	10	☒											
10	236	3100	9.580	5	☒											
11	237	3177	9.936	0	☒											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 241 m
Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1509	0809
Bottom	1518	
End	15	

Positional Information
Start
Lat: 49 ° 05.73 N
Lon: 123 ° 34.73 W

Bottom
Lat: 49 ° 05.74 N
Lon: 123 ° 34.74 W

End
Lat: 49 ° 05. N
Lon: 123 ° 34. 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: 2010-24 Station: TS 33 Event #: 00 64 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	238	2065	3.307	B-2	✓	201	✓	✓	✓								
2	239	1317	3.245	B-4	✓	199	✓	✓									
3	240	3207	3.295	B-6	✓	197	✓	✓									
4	241	3184	3.732	150	✓		✓	✓									
5	242	3069	5.229	100	✓		✓	✓									
6	243	3108	5.625	50	✓		✓	✓									
7	244	3124	6.018	25	✓		✓	✓									
8	245	1495	8.647	10	✓		✓	✓									
9	246	2040	9.592	5	✓		✓	✓									
10	247	2073	9.660	0	✓		✓	✓									
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 209 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1642	0942
Bottom	16 50	
End	16 58	

Positional Information
Start
Lat: 49 ° 11.14 N
Lon: 123 ° 42.51 W

Bottom
Lat: 49 ° 11.11 N
Lon: 123 ° 42.60 W

End
Lat: 49 ° 11 12 N
Lon: 123 ° 42 57 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: 2010-24 Station: TS 34 Event #: 0066 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	248	2082	2.437	B-2	☒ 374	☒	☒	☒								
2	249	3043	2.417	B-7	☒ 367											
3	250	2055	2.427	B-12	☒ 362											
4	251	2015	2.949	250	☒			☒								
5	252	1489	3.333	200	☒											
6	253	690	5.078	150	☒											
7	254	2019	5.320	100	☒											
8	255	2027	5.325	50	☒											
9	256	3182	5.961	25	☒											
10	257	1491	8.836	10	☒											
11	258	1393	9.920	5	☒											
12	259	2088	9.933	0	☒	☒	☒									
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 377 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	1758	1058
Bottom	1810	
End	1822	

Positional Information

Start
 Lat: 49 ° 11.07 N
 Lon: 123 ° 34.43 W

Bottom
 Lat: 49 ° 11.08 N
 Lon: 123 ° 34.47 W

End
 Lat: 49 ° 11.10 N
 Lon: 123 ° 34.48 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: 2010-24 Station: TS 38 Event #: 0074 Ship: VECTOR UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	260	3016	3.958	B-2	✓	160	✓	✓	✓								
2	261	3097	3.775	B-10	✓	152	✓	✓									
3	262	2014	4.153	B-12	✓	149											
4	263	3094	5.329	100	✓				✓								
5	264	2025	5.093	50	✓												
6	265	3196	5.316	25	✓												
7	266	1312	6.293	10	✓												
8	267	3157	8.026	5	✓												
9	268	3024	9.354	0	✓		✓	✓									
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M.

Bottom Depth: 158 m
Transmisso Cleaned: ✓ N

Time	UTC	Local
Start	2220	1520
Bottom	2230	
End	2235	

Positional Information
Start
Lat: 49 ° 11.18 N
Lon: 123 ° 19.96 W

Bottom
Lat: 49 ° 11.29 N
Lon: 123 ° 19.91 W

End
Lat: 49 ° 11.32 N
Lon: 123 ° 19.91 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: 2010-24

Station: TS 45

Event #: 0076

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 17 | 04 | 10

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	269	3206	5.765	B-2	☒ 80	✓	✓	✓								
2	270	2092	5.796	B-7	☒ 73											
3	271	2063	5.789	B-13	☒ 67											
4	272	3161	5.340	50	☒			✓								
5	273	1128	5.957	25	☒											
6	274	3193	6.732	10	☒											
7	275	3119	8.236	5	☒											
8	276	3200	9.359	0	☒	✓	✓									
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M.

Bottom Depth: 80 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2316	1616
Bottom	2320	
End	2327	

Positional Information

Start
 Lat: 49 ° 16.25 N
 Lon: 123 ° 18.22 W

Bottom
 Lat: 49 ° 16.23 N
 Lon: 123 ° 18.24 W

End
 Lat: 49 ° 16.22 N
 Lon: 123 ° 18.26 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