

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: SI Event #: 1 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | 04 | 2009

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	3098	3.351	100	☒ 1000											
2	2	2064	3.965	25	☒											
3	3	3024	5.036	50	☒											
4	4	3075	5.457	40	☒											
5	5	3034	5.603	30	☒											
6	6	2032	5.663	20	☒				✓✓	✓✓						
7	7	3057	5.962	10	☒				✓✓	✓✓						
8	8	3055	7.104	5	☒											
9	9	3203	10.401	surf					✓✓	✓✓						
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M / K.F.

Bottom Depth: 139 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2158	
Bottom	2200	
End	2210	

Positional Information

Start
 Lat: 48 ° 38 86 N
 Lon: 123 ° 29 64 W

Bottom
 Lat: 48 ° 38 87 N
 Lon: 123 ° 29 65 W

End
 Lat: 48 ° 38 89 N
 Lon: 123 ° 29 64 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: 2009-26 Station: 59 Event #: 3 Ship: UTC Date (dd|mmm|yyyy): 12 | 04 | 2009

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	10	2035	4.284	BOT	☒ 231											
2	11	3012	4.344	200	☒			✓								
3	12	2007	4.749	175	☒											
4	13	2015	4.784	150	☒											
5	14	3124	5.027	125	☒											
6	15	2099	5.507	100	☒											
7	16	3006	5.514	75	☒		✓									
8	17	3171	5.556	50	☒											
9	18	3109	5.559	40	☒											
10	19	3052	5.563	30	☒											
11	20	3164	5.594	20	☒				✓✓	✓✓						
12	21	3038	5.607	10	☒				✓✓	✓✓						
13	22	3040	5.596	5	☒				✓✓	✓✓						
14	23	2097	5.638	surf	☒	✓	✓									
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL & MH

Bottom Depth: 232 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0054	17:54
Bottom	0101	18:01
End	0119	18:19

Positional Information
Start
Lat: 48 ° 37.89 N
Lon: 123 ° 14.62 W

Bottom
Lat: 48 ° 37.94 N
Lon: 123 ° 14.68 W

End
Lat: 48 ° 38.377 N
Lon: 123 ° 14.856 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: 2009-26 Station: AOC P Event #: 008 Ship: UTC Date (dd|mmm|yyyy): 12 | 04 | 2009

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 HPLC				
1	24	2088	2.737	80T	☒									
2	25	2068	2.778	100	☒	✓		✓						
3	26	2061	2.861	75	☒		✓✓							
4	27	2065	4.291	50	☒									
5	28	2090	4.407	40	☒									
6	29	3184	4.515	30	☒									
7	30	3051	4.531	20	☒				✓✓	✓✓				
8	31	3133	4.813	10	☒				✓✓	✓✓				
9	32	2082	5.102	5										
10	33	2027	5.228	Surf		✓	✓		✓✓	W				
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL & MH

Bottom Depth: 121 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	05:52	
Bottom	05:56	
End	06:08	

Positional Information
Start Lat: 48 ° 13.90 N
Lon: 123 ° 17.90 W

Bottom Lat: 48 ° 14.00 N
Lon: 123 ° 18.08 W

End Lat: 48 ° 13.99 N
Lon: 123 ° 18.34 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

BROWN OXY BOP.

Water Properties Group

Rosette Log

should be 11 Station
↓

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

Cruise ID: 2009-26 Station: 69 Event #: 010 Ship: Vectra UTC Date (dd|mmm|yyyy): 12 | 04 | 09

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	34	1312	1.960	BoT	✓ 175	↓	↓	✓								
2	35	1497	1.991	150	✓	↓	↓	✓								
3	36	1477	2.165	125	✓	↓	↓									
4	37	1459	3.170	100	✓	↓	↓									
5	38	1134	4.006	75	✓	↓	↓									
6	39	1498	4.898	50	✓	↓	↓									
7	40	1492	4.846	40	✓	↓	↓									
8	41	745	4.886	30	✓	↓	↓									
9	42	668	4.829	20	✓	↓	↓		✓✓	✓✓						
10	43	1126	4.943	10	✓	↓	↓		✓✓	✓✓						
11	44	1330	4.841	5	✓	↓	↓		✓✓	✓✓						
12	45	1489	4.829	surf	✓	↓	↓		✓✓	✓✓						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JA OT

Bottom Depth: 175 m
Transmisso Cleaned: ✓ N

Time	UTC	Local
Start	0932	
Bottom	0938	
End	934	

Positional Information
Start
Lat: 48 ° 15 647 N
Lon: 123 ° 43 243 W

Start

Bottom
Lat: 48 ° 15 643 N
Lon: 123 ° 43 229 W

Bottom

End
Lat: 48 ° 15 629 N
Lon: 123 ° 43 200 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

GREY BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: 72 Event #: 14 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | 04 | 2008

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 HPLC	PHYTO					
1	46	3116	1.878	200	✓	1830											
2	47	3194	1.845	175	✓				✓✓								
3	48	2000	1.880	150	✓												
4	49	2089	2.090	135	✓												
5	50	3188	2.554	100	✓												
6	51	3151	3.362	75	✓			✓✓									
7	52	3190	4.363	50	✓												
8	53	2047	4.531	40	✓												
9	54	2084	4.636	30	✓												
10	55	3177	4.804	20	✓					✓✓	✓✓						
11	56	2073	5.215	10	✓					✓✓	✓✓						
12	57	3108	5.305	5	✓												
13	58	3033	5.349	surf	✓		✓	✓		✓✓	✓✓	✓✓					
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): OT

Bottom Depth: 184 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	1235	
Bottom	1241	
End	1257	

Positional Information

Start Lat: 48 ° 15.605 N
Lon: 124 ° 4.025 W

Bottom Lat: 48 ° 18.569 N
Lon: 124 ° 4.027 W

End Lat: 48 ° 18.551 N
Lon: 124 ° 4.034 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

BROWN BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: 75 Event #: 17 Ship: Vector UTC Date (dd|mmm|yyyy): 12|04|2009

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 HPLC						
1	59	2014	1.763	Bot	☒ 213											
2	60	3118	1.756	200	☒			✓								
3	61	2033	1.806	175	☒											
4	62	2092	1.865	150	☒											
5	63	3157	2.305	125	☒											
6	64	3063	3.057	100	☒											
7	65	3206	4.303	75	☒		✓✓									
8	66	3097	4.927	50	☒											
9	67	3135	5.273	40	☒											
10	68	3094	5.444	30	☒											
11	69	3196	5.736	20	☒				✓✓	✓✓						
12	70	3094	5.765	10	☒				✓✓	✓✓						
13	71	76	5.975	5	☒											
14	72	2055	5.961	surf	☒	✓	✓		✓	✓						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Y PTBottom Depth: 218 mTransmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1618	
Bottom	1632	
End	1637	

Positional Information

Start	Lat: 48 ° 28 228 N
	Lon: 124 ° 32 860 W
▼	
Bottom	Lat: 48 ° 28 229 N
	Lon: 124 ° 32 860 W
▼	
End	Lat: 48 ° 28 229 N
	Lon: 124 ° 32 807 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 BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: 102 Event #: 20 Ship: VECTOR UTC Date (dd|mmm|yyyy): 12 | 04 | 09

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 HPLC						
1	73	3098	1.760	800	✓	250											
2	74	2064	0.270	250	✓				✓								BAD GND AT
3	75	3024	1.802	200	✓												
4	76	3075	1.827	175	✓												
5	77	3171	3.122	150	✓												SWITCH IN FILES
6	78	3006	2.045	125	✓												78=150 77=125
7	79	3057	3.978	100	✓												
8	80	3055	4.412	75	✓			✓✓									
9	81	3203	5.035	50	✓												
10	82	3018	5.037	40	✓												
11	83	2035	5.602	30	✓												
12	84	3012	5.998	20	✓					✓✓	✓✓						
13	85	2007	6.160	10	✓					✓✓	✓✓						
14	86	2015	6.115	5	✓												
15	87	3124	6.167	Surf	✓		↓	↓		✓✓	✓✓						
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.M./R.F./A.C.Bottom Depth: 254 mTransmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1847	
Bottom		
End		

Positional Information

Start Lat: 48 ° 30.11 N
Lon: 124 ° 44.03 W

Start

Bottom

End

Lat: ° N
Lon: ° W

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: 2009-26 Station: 65 Event #: 23 Ship: Vector UTC Date (dd|mmm|yyyy): 13 | 04 | 09

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken											Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	MP HPLC							
1	88	1312	1.460	Bot	☒ 120	↓	↓										
2	89	1497	3.661	100	☒			✓									
3	90	1477	4.136	75	☒		✓										
4	91	1459	4.563	50	☒												
5	92	1134	4.675	40	☒												
6	93	1498	4.719	30	☒												
7	94	1492	4.817	20	☒				✓	✓							
8	95	745	5.543	10	☒				✓	✓							
9	96	668	5.590	5	☒												
10	97	1126	5.604	surf		↓	↓		✓	✓							
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): TRL & MH

Bottom Depth: 125 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	03:00	
Bottom	03:04	
End	03:13	

Positional Information
Start Lat: 48 ° 15.97 N
Lon: 123 ° 09.90 W

Bottom Lat: 48 ° 15.96 N
Lon: 123 ° 09.84 W

End Lat: 48 ° 15.98 N
Lon: 123 ° 09.80 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: 2009-26 Station: 62 Event #: 26 Ship: Vector UTC Date (dd|mmm|yyyy): 13 | 04 | 2009

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 HPLC				
1	98	1478	3.720	Bot	☒	148								
2	99	1335	3.778	125	☒									
3	100	1342	4.091	100	☒									
4	101	1306	4.879	75	☒									
5	102	1128	5.356	50	☒									
6	103	1476	5.431	40	☒									
7	104	1488	5.387	30	☒									
8	105	1464	5.397	20	☒									
9	106	1473	5.400	10	☒									
10	107	1485	5.458	5	☒									
11	108	1483	5.395	surf	☒	↓	↓							
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): RL/MA

Bottom Depth: 149 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	928	
Bottom	930	
End	943	

Positional Information

Start Lat: 48 ° 22 8 39 N
Lon: 123 ° 26 10 W

Bottom Lat: 48 ° 22 8 37 N
Lon: 123 ° 26 10 W

End Lat: 48 ° 22 8 41 N
Lon: 123 ° 26 17 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: 13 / 04 / 2009

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: 2009-26 Station: 56 Event #: 31 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | 04 | 2009

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 APCL						
1	109	2014	5.164	50T	☒	218										
2	116	3118	5.098	200	☒			✓								
3	111	2033	5.099	175	☒											
4	112	2092	5.115	150	☒											
5	113	3157	5.425	125	☒											
6	114	3063	5.588	100	☒											
7	115	3206	5.722	75	☒		✓									
8	116	3097	5.741	50	☒											
9	117	3135	5.760	40	☒											
10	118	3094	5.812	30	☒											
11	119	3196	5.894	20	☒											
12	120	3084	—	10	☒				✓	✓						TIT. ENDED TOO EARLY
13	121	76	5.920	5	☒											
14	122	2055	6.004	50T	☒	U	U		✓	✓						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 2A DT

Bottom Depth: 218 m

Transmisso Cleaned: ☒ N

	UTC	Local
Start	1545	
Bottom	1550	
End	1604	

Positional Information

Start
 Lat: 48 ° 46 382 N
 Lon: 123 ° 1 576 W

Bottom
 Lat: 48 ° 46 39 N
 Lon: 123 ° 1 549 W

End
 Lat: 48 ° 46 146 N
 Lon: 123 ° 1 546 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: 2009-26 Station: H6 Event #: 39 Ship: VECTOR UTC Date (dd|mmm|yyyy): 13 | 04 | 09

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 HPLC						
1	123	3024	5.811	801	✓	173										
2	124	2064	5.765	150	✓											
3	125	3098	5.836	125	✓											
4	126	3075	5.069	?	✓											
5	127	3006	5.749	75	✓											
6	128	3171	5.786	50	✓											
7	129	3057	5.793	40	✓											
8	130	3055	5.792	30	✓											
9	131	3203	5.927	20	✓											
10	132	3018	—	10	✓											
11	133	2035	6.747	5	✓											
12	134	3012	7.204	surf	✓											
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H.M./R.C.

Bottom Depth: 176 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	2224	
Bottom	2228	
End		

Positional Information
 Lat: 48 ° 51 . 41 N
 Lon: 123 ° 10 . 04 W

Start

Bottom

End

Lat: 48 ° 51 . 40 N
 Lon: 123 ° 10 . 86 W

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

OXY- BLUE CASE

Water Properties Group

Rosette Log

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

Cruise ID: 26 Station: 42 Event #: 41 Ship: Vector UTC Date (dd|mmm|yyyy): 14 | 04 | 2009

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 HPLC						
1	135	2014	3.410	80+	☒	315.5										
2	136	589	3.397	300	☒											
3	137	2033	3.693	250	☒											
4	138	2092	4.162	200	☒											
5	139	3157	4.595	175	☒											
6	140	3063	4.959	150	☒											
7	141	3206	5.259	125	☒											
8	142	3097	5.107	100	☒											
9	143	3135	5.663	75	☒											
10	144	3094	5.220	50	☒											
11	145	3196	5.153	40	☒											
12	146	3084	5.331	30	☒											
13	147	1365	5.931	20	☒											
14	148	2055	8.076	10	☒											
15	149	371	8.856	5	☒											
16	150	557	10.613	surf												
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):
RL + MWBottom Depth: 320 mTransmisso Cleaned: ☒ / N

Time	UTC	Local
Start	01:13	
Bottom	01:18	
End	01:36	

Positional Information

Start
Lat: 49 ° 1.85 N
Lon: 123 ° 26.25 WBottom
Lat: 49 ° 1.87 N
Lon: 123 ° 26.31 WEnd
Lat: 49 ° 1.9 N
Lon: 123 ° 26.63 W

Oxygen Info For This Cast

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

*Date Run: ____ | ____ | ____

Analyst: _____

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

Green Oxy rose

Water Properties Group

Rosette Log

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

Cruise ID: 2001-26 Station: 39 Event #: 45 Ship: Vector UTC Date (dd|mmm|yyyy): 14 | 04 | 2009

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	HPIC	PHYTO				
1	151	1312	3.331	807	☒	374	X	X								
2	152	1497	3.494	350	☒											
3	153	1477	3.698	300	☒			X								
4	154	1459	4.067	250	☒											
5	155	1134	4.534	200	☒											
6	156	1498	4.502	175	☒		XX									
7	157	1492	4.748	150	☒											
8	158	745	4.868	125	☒											
9	159	668	5.398	100	☒											
10	160	1126	5.277	75	☒											
11	161	1330	6.021	50	☒											
12	162	1489	6.155	40	☒											
13	163	1488	6.272	30	☒											
14	164	1464	6.391	20	☒				XX		XX					
15	165	1473	—	10	☒				XX		XX					
16	166	1485	—	5	☒		X									
17	167	1483	—	surf	☒		X	X	XX		XX	XXX				
18																
19						SAME PROBLEM - WHEN SAMPLE IS HIGH IN O ₂ & WHEN COLORIMETER IS BELOW										
20						60% - FLATLINE CONDITIONS BRING UP "CLEAN KIT MESSAGE" - IF SLOPE OF LINE IS										
21						NOT CHANGING AFTER 6-10 ATTEMPTS - END POINT IS DECLARED IF SAMPLE IS NOT										
22						ABOVE 60%										
23																
24																

Watchkeeper(s): RL/mh

Bottom Depth: 380 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	05:18	
Bottom	05:24	
End	05:46	

Positional Information

Start Lat: 49 ° 9.87 N
Lon: 123 ° 33.09 W

Start

Bottom Lat: 49 ° 9.89 N
Lon: 123 ° 33.07 W

Bottom

End Lat: 49 ° 9.86 N
Lon: 123 ° 33.06 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

Grey Boy

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: 27 Event #: 48 Ship: Vector UTC Date (dd|mmm|yyyy): 14 | 04 | 2009

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 HPLC						
1	168	3024	3.286	Bot	✓	343	x	x								
2	169	2064	3.230	300	✓				x							
3	170	3098	3.640	250	✓											
4	171	3075	4.634	200	✓											
5	172	3006	4.831	175	✓											
6	173	3171	4.898	150	✓											
7	174	3057	4.748	125	✓											
8	175	3055	4.577	100	✓											
9	176	3203	4.489	75	✓											
10	177	3018	5.351	50	✓											
11	178	2035	5.734	40	✓											CHECK DEPTH in FILE
12	179	3012	6.081	30	✓											"
13	180	3124	6.361	20	✓				xx	xx						"
14	181	2007	6.160	10	✓				xx	xx						BAD GP 94%
*15	182	2015	5.864	5	✓	?										2 TITRATIONS
16	183	2049	6.257	surf	✓		x	x	xx	xx						BAD GP - 95%
17																
18																
19																0.193 0.465
20																0.972 5.349
21																1.165 5.864
22																
23																
24																

Watchkeeper(s): RL/mt

Bottom Depth: 348 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	08:40	
Bottom	08:46	
End	09:04	

Positional Information

Start Lat: 49 ° 19.14 N
Lon: 123 ° 48.01 W

Start

Bottom

End

Bottom Lat: 49 ° 19.16 N
Lon: 123 ° 48.01 W

End Lat: 49 ° 19.13 N
Lon: 123 ° 48.03 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 Box

Water Properties Group

Rosette Log

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

Cruise ID: _____ Station: 2 Event #: 52 Ship: Vento UTC Date (dd|mmm|yyyy): 14 | 4 | 2009

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 HPLC						
1	184	2014	4.315	205	☒	275										BUBBLE ON LENS
2	185	509	3.797	250	☒											
3	186	2033	4.315	200	☒											
4	187	2092	4.441	175	☒											
5	188	3157	4.801	150	☒											
6	189	3063	4.176	125	☒											
7	190	3206	4.093	100	☒											
8	191	3097	4.916	75	☒											
9	192	3135	4.746	50	☒											
10	193	3094	5.042	40	☒											
11	194	3196	5.256	30	☒											
12	195	3084	6.465	20	☒											
13	196	1365	*	10	☒											NO END AT
14	197	2055	8.364	5	☒											CHECK DEPTH IN FILE
15	198	371	*	surf	☒											
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): WOF

Bottom Depth: 275 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1242	
Bottom	1247	
End	1303	

Positional Information

Start Lat: 49 ° 24.101 N
Lon: 124 ° 9.347 W

Start

Bottom Lat: 49 ° 24.077 N
Lon: 124 ° 9.378 W

Bottom

End Lat: 49 ° 24.074 N
Lon: 124 ° 9.347 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: 2009-26 Station: 3 Event #: 55 Ship: Vesta UTC Date (dd|mmm|yyyy): 14 | 04 | 2005

Niskin #	Sample #	Oxygen Titrations		Rosette Operation			Samples Taken					Comments				
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒	Pressure	Oxy	Nut	Sal	Chl a	NH₄ HPLC					
1	199	2088	2.737	80T	☒	318										
2	200	2068	2.976	300	☒				✓							
3	201	2061	3.423	250	☒											
4	202	2065	3.876	200	☒											
5	203	2090	4.473	175	☒											
6	204	3184	4.853	150	☒											
7	205	3051	4.772	125	☒											
8	206	3133	4.694	100	☒											
9	207	2082	4.577	75	☒											
10	208	2027	4.809	50	☒											
11	209	3116	4.973	40	☒											
12	210	3194	5.285	30	☒											
13	211	2000	5.584	20	☒					✓	✓					
14	212	2089	6.650	10	☒					✓	✓					
15	213	3188	6.689	5	☒											
16	214	3151	7.501	surp	☒			✓	✓	✓	✓					
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): JP

Bottom Depth: 318 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1508	
Bottom	1514	
End	1531	

Positional Information

Start Lat: 49 ° 26 604 N
Lon: 124 ° 20 190 W

Bottom Lat: 49 ° 26 628 N
Lon: 124 ° 20 182 W

End Lat: 49 ° 26 630 N
Lon: 124 ° 20 358 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

blue box

Cruise ID: 2009-26 Station: 6 Event #: 57 Ship: Vector UTC Date (dd|mmm|yyyy): 14 | 04 | 2009

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 NPLG						
1	215	2064	4.467	805	✓ 187											
2	216	3024	4.538	175	✓			✓								
3	217	3098	4.085	150	✓											
4	218	3075	4.006	125	✓		✓									
5	219	3006	4.277	100	✓											
6	220	3171	4.437	75	✓											
7	221	3057	5.027	50	✓											
8	222	3055	5.861	40	✓											
9	223	3203	7.142	30	✓											
10	224	3018	7.213	20	✓				✓✓	✓✓						
11	225	2035	7.503	10	✓				✓✓	✓✓						
12	226	3012	7.919	5	✓											
13	227	3124	7.978	500	✓				✓✓	✓✓						Very ugly oxy peak
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

★ No DMR ON OXY FLASKS

Watchkeeper(s): _____

Bottom Depth: 193 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	17:01	
Bottom	17:05	
End	17:17	

Positional Information

Start

Lat: 49 ° 30.595 N

Lon: 124 ° 27.805 W

Bottom

Lat: 49 ° 30.605 N

Lon: 124 ° 27.809 W

End

Lat: 49 ° 30.605 N

Lon: 124 ° 27.882 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: _____ Station: 9 Event #: 60 Ship: VECTOR UTC Date (dd|mmm|yyyy): 14 | 04 | 09

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	228	2014	3.315	80T	☒	164										
2	229	589	3.810	156	☒			☒								
3	230	2033	3.923	125	☒											
4	231	2092	4.156	100	☒		☒									
5	232	3157	5.176	75	☒											
6	233	3063	6.100	50	☒											
7	234	3206	6.348	40	☒											
8	235	3097	6.926	30	☒											
9	236	3135	7.301	20	☒				☒	☒						
10	237	3094	7.455	10	☒				☒	☒						
11	238	3196	7.438	5	☒				☒	☒						Sm. bubble in oxy flask
12	239	3084	7.537	surf	☒				☒	☒						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

~~NO DMQ ON OXY FLASKS~~

Watchkeeper(s): H.M. / R.F.

Bottom Depth: 160 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	1931	
Bottom	1934	
End	1947	

Positional Information

Start

Lat: 49 ° 35.52 N

Lon: 124 ° 38.26 W

Bottom

Lat: 49 ° 35.52 N

Lon: 124 ° 38.25 W

End

Lat: 49 ° 35.53 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

GREEN BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26

Station: 12

Event #: 64

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 14 | 04 | 2009

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	240	1312	3.374	300	✓ 348											2 AT SAME DEPTH
2	241	1497	3.373	350	✓ 343			✓								
3	242	1477	3.615	300	✓											
4	243	1459	4.018	250	✓											critters in oxy sample
5	244	1134	4.071	200	✓											
6	245	1498	4.152	175	✓											
7	246	1492	3.824	150	✓											
8	247	745	3.847	125	✓											
9	248	668	3.858	100	✓											
10	249	1126	4.333	75	✓		✓									
11	250	1330	5.476	50	✓											bubbles in oxy flask
12	251	1489	5.890	40	✓											small bubble in oxy flask
13	252	1488	6.150	30	✓											bubbles in oxy flask
14	253	1464	6.741	20	✓				✓	✓						" " " "
15	254	1473	6.842	10	✓				✓	✓						" " " "
16	255	1485	7.399	5	✓											bubbles in oxy flask
17	256	1483		5	✓				✓	✓						" " " "
18																
19																
20																
21																
22																
23																
24																

★ NO DMR ON OXY FLASKS

Watchkeeper(s): HM/KF

Bottom Depth: 353 m

Transmisso Cleaned: 0 / N

	Time	UTC	Local
Start		22:41	
Bottom		22:48	
End		23:07	

Positional Information

Start
Lat: 49 ° 43.60 N
Lon: 124 ° 40.87 W

Bottom
Lat: 49 ° 43.60 N
Lon: 124 ° 40.90 W

End
Lat: 49 ° 43.62 N
Lon: 124 ° 41.21 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

GREY BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26

Station: 14

Event #: 66

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 15 | 04 | 2009

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 HPCL					
1	257	2088	3.484	500	✓	310	✓	✓								
2	258	2068	3.480	300	✓											
3	259	2061	3.535	250	✓				✓							
4	260	2065	3.962	200	✓											
5	261	2090	3.839	175	✓											
6	262	3184	3.751	150	✓											
7	263	3051	3.799	125	✓											
8	264	3133	3.885	100	✓											FLAKES
9	265	2082	4.186	75	✓			✓								
*10	266	2027	1.516	50	✓	*									65%	BAD GND PT (EARLY)
11	267	3116	5.321	40	✓											
12	268	3194	5.542	30	✓											
13	269	2000	5.584	20	✓					vv	vv					Leaky Niskin
14	270	2089	7.259	10	✓					vv	vv					
15	271	3188	—	5	✓											NO GND PT
16	272	3151	—	0	✓			✓	✓	vv	vv					NO GND PT
17																
18																
19																UNDER 60% C.A.
20																WAIT TO EARLY
21																
22																
23																
24																

Watchkeeper(s): RL + MH

Bottom Depth: 315 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	01:15	
Bottom	01:20	
End	01:37	

Positional Information

Start Lat: 49° 53.0 N
Lon: 124° 59.61 W

Bottom Lat: 49° 52.9 N
Lon: 124° 59.63 W

End Lat: 49° 52.98 N
Lon: 124° 59.75 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

Brown

Water Properties Group

Rosette Log

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

Cruise ID: 2009-26 Station: 16 Event #: 68 Ship: Vector UTC Date (dd|mmm|yyyy): 15 | 04 | 2009

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	273	2064	3.988	Bot	✓	152										
2	274	3024	4.532	125	✓											
3	275	3098	5.113	100	✓			x								
4	276	3075	5.155	75	✓											
5	277	3006	5.262	50	✓											
6	278	3171	5.342	40	✓											
7	279	3057	5.317	30	✓											
8	280	3055	5.302	20	✓		xx		xx	xx						
9	281	3203	5.346	10	✓				xx	xx						
10	282	3018	5.351	5	✓											
11	283	2035	5.465	surf	✓	↓	↓		xx	xx						11 leaks
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RL + MH

Bottom Depth: 152 m

Transmisso Cleaned: (Y) / N

	Time	UTC	Local
Start		04:40	
Bottom		04:44	
End		04:53	

Positional Information

Start

Lat: 49° 57.67 N

Lon: 125° 125.87 W

Bottom

Lat: 49° 57.60 N

Lon: 125° 8.79 W

End

Lat: 49° 57.45 N

Lon: 125° 8.7 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 Box

2009.1