

ROSETTE LOG

MISSION ID: 2008-51 STATION: ST CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 09/09/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	CHL	TPC	ALK	C13	CHL					
1	1	1413	0.847	100	✓	x												oxy file had an initial test sample #5. Also, high O2 at surface possibly due to phyto bloom
2	2	1418	2.145	75	✓													
3	3	1421	3.144	50	✓													
4	4	1427	4.050	40	✓													
5	5	1426	4.342	30	✓													
6	6	1429	6.124	20	✓					xx	xx							
7	7	1430	7.313	10	✓					xx	xx							
8	8	1432	8.145	5	✓													
9	9	1433	10.720	surf	✓					xx	xx							
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 170

Cast # down: 1
Cast # up:

Time LOC UTC
Begin: 19 57
Bottom: 2001
End: 2012

START POSITION (GPS)
LAT: 48 39 383
LONG: 123 30 24

BOTTOM POSITION (GPS)
LAT: 48 39 409
LONG: 123 30 24

END POSITION (GPS)
LAT: 48 39 420
LONG: 123 30 074

ROSETTE LOG

MISSION ID: 2008-5 STATION: 59 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 9/9/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY		CHL	HP4	ALK		CHL						
1	10	705	2.102	207	✓ 229	✓												
2	11	1228	2.015	206														
3	12	1230	2.592	175														
4	13	1238	2.294	150														
5	14	1241	2.577	125														
6	15	1244	2.661	100														
7	16	1247	3.096	75														
8	17	1267	4.112	50	✓													
9	18	1268	4.435	40	✓													
10	19	1274	4.808	30	✓													
11	20	1276	4.930	20	✓					✓✓	✓✓							> SAW sm BURST
12	21	1278	4.945	10	✓					✓✓	✓✓							AFTER HIT "DO TITRATION"
13	22	1279	4.975	5	✓													(SHOULDER NOT GOOD)
14	23	1280	5.569	surf						✓	✓	✓✓						
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: *th*
CHECKED BY:

Bottom Depth: 229

Cast # down: 3
Cast # up:

Time	LOC	UTC
Begin:		2255
Bottom:		2301
End:		2318

START POSITION (GPS)
LAT: 483781
LONG: 12314612

BOTTOM POSITION (GPS)
LAT: 483777
LONG: 12314689

END POSITION (GPS)
LAT: 4837859
LONG: 12314944

Water Properties Group

Rosette Log

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

Cruise ID: 2008-51

Station: 102

Event #: 7

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 10 | Sept | 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				
1	24	1377	1.792	300	✓	250			✓					
2	25	1380	1.473	250	✓									
3	26	1381	2.281	200	✓									
4	27	1411	1.580	175	✓									
5	28	1384	1.508	150	✓									
6	29	1386	1.734	125	✓									
7	30	1389	2.245	100	✓									
8	31	1392	2.757	75	✓									
9	32	1393	3.006	50	✓									
10	33	1395	2.711	40	✓									
11	34	1394	3.605	30	✓									
12	35	1397	3.789	20	✓				xx	xx				
13	36	1399	3.748	10	✓				xx	xx				
14	37	1401	4.552	5	✓									
15	38	1400	6.331	Surf	✓				xx	xy				
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): FD

Bottom Depth: 250 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0925	
Bottom	0933	
End	0951	

Positional Information

Start

Lat: 48 ° 30 .107 N

Lon: 124 ° 44 .087 W

Bottom

Lat: 48 ° 30 .164 N

Lon: 124 ° 44 .257 W

End

Lat: 48 ° 30 282 N

Lon: 124 ° 44 674 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 10 Sept 2008

Analyst: DT

* 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: 2008-51 Station: 75 Event #: 10 Ship: Vector UTC Date (dd|mmm|yyyy): 10|09|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						
1	39	1421	1.776	807	☒ 219											
2	40	1426	1.896	200	☒											
3	41	1427	2.224	175	☒											
4	42	1428	1.715	150	☒											
5	43	1429	1.889	125	☒											
6	44	1430	2.118	100	☒											
7	45	1432	2.270	75	☒											
8	46	1433	2.887	50	☒											
9	47	1434	3.133	40	☒											
10	48	1440	3.243	30	☒											
11	49	1443	3.205	20	☒				✓	✓						
12	50	1445	3.608	10	☒				✓	✓						
13	51	1446	5.174	5	☒				✓	✓						
14	52	1447	5.806	200	☒				✓	✓						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): DT

Bottom Depth: 217 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1239	
Bottom	1246	
End	1307	

Positional Information

Start

Lat: 48° 28 333 N

Lon: 124° 32 726 W

Bottom

Lat: 48° 28 381 N

Lon: 124° 32 867 W

End

Lat: 48° 28 518 N

Lon: 124° 33 194 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 10 Sept 2008

Analyst: DT

* 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: 2008-51 Station: 72 Event #: 13 Ship: VECTOR UTC Date (dd|mmm|yyyy): 10 | SEP | 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						
1	53	(2m) 307	1.323	(flask) 75	✓	185m		✓								
2	54	175	1.246	1228	✓											
3	55	150	1.457	1230	✓											
4	56	125	1.265	1238	✓											
5	57	100	1.249	1241	✓											
6	58	75	2.277	1244	✓											
7	59	50	2.672	1247	✓											
8	60	40	2.917	1267	✓											
9	61	30	3.120	1268	✓											
10	62	20	3.548	1274	✓				✓	✓						
11	63	10	4.487	1276	✓				✓	✓						
12	64	5	5.310	1278	✓											
13	65	Surf	5.867	1279	✓				✓	✓	✓					
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 187 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1724	
Bottom	1729	
End	1745	

Positional Information

Lat:	48 °	18.616	N
Lon:	124 °	4.046	W

Lat:	48 °	16.624	N
Lon:	124 °	4.031	W

Lat:	48 °	18.600	N
Lon:	124 °	39.394	W

Oxygen Info For This Cast

Blank Value:	0.006	mL · L ⁻¹
Std Value:	0.712	mL · L ⁻¹
*Date Run:	10 Sept 2008	
Analyst:	DT	

* 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: 2008-51

Station: 69

Event #: 16

Ship: Vector

UTC Date (dd|mmm|yyyy): 10 | 09 | 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						
1	66	1421	1.303	807	180 ✓			✓								
2	67	1426	1.373	158	✓											
3	68	1427	1.296	125	✓											
4	69	1428	1.581	100	✓											
5	70	1429	2.000	75	✓											
6	71	1430	3.279	50	✓											
7	72	1432	3.771	40	✓											
8	73	1433	3.601	30	✓											
9	74	1434	3.803	20	✓				✓	✓						
10	75	1440	4.475	10	✓				✓	✓						
11	76	1443	4.541	5	✓											
12	77	1445	7.519	Surf	✓				✓	✓						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Lindsay, Doug, Peter

Bottom Depth: 180 m

Transmisso Cleaned: (Y) I N

Time	UTC	Local
Start	20:17	
Bottom	20:23	
End	20:37	

Positional Information

Start
Lat: 48 ° 15.684 N
Lon: 123 ° 43.175 W

Bottom
Lat: 48 ° 15.736 N
Lon: 123 ° 43.145 W

End
Lat: 48 ° 15.785 N
Lon: 123 ° 42.880 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹
Std Value: 0.712 mL · L⁻¹
*Date Run: 10 Sept 2008
Analyst: DT

* 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: 2008-51 Station: ADCP Event #: 19 Ship: Section UTC Date (dd|mmm|yyyy): 10 | 09 | 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						
1	78	1377	1.564	100	✓	117										
2	79	1380	1.467	100	✓											
3	80	1381	1.845	75	✓											
4	81	1384	2.411	50	✓											
5	82	1386	3.153	40	✓											
6	83	1389	4.068	30	✓											
7	84	1392	4.268	20	✓											
8	85	1411	4.699	10	✓											
9	86	1393	5.524	5	✓											
10	87	1394	5.931	Surf	✓											
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): MT

Bottom Depth: 120 m

Transmisso Cleaned: ☒ N

	UTC	Local
Start	2341	
Bottom	2344	
End	2353	

Positional Information

Start

Lat: 48° 20 017 N

Lon: 123° 18 017 W

Bottom

Lat: 48° 20 009 N

Lon: 123° 18 026 W

End

Lat: 48° 20 008 N

Lon: 123° 18 037 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 10 Sept 2008

Analyst: DT

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

W

Water Properties Group

Rosette Log

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

Cruise ID: 2008-51 Station: 65 Event #: 23 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | 09 | 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						
1	88	1274	1.777	120	☒	124	1	1	✓							white turb
2	89	1277	1.826	100	☒		1									long tube 1
3	90	1276	1.994	75	☒											fine turb
4	91	1278	2.869	50	☒											
5	92	1247	3.039	40	☒											
6	93	1244	3.891	30	☒											
7	94	1241	3.754	20	☒				✓	✓						
8	95	1230	5.097	10	☒				✓	✓						
9	96	1238	9.137	5	☒											
10	97	1228	10.007	Surf	☒				✓	✓						
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): BT

Bottom Depth: 125 m
Transmisso Cleaned: Y / N

	UTC	Local
Time Start	226	
Bottom	2:30	
End		

Positional Information
Start Lat: 48 ° 15.866 N
Lon: 123 ° 9.808 W

Bottom Lat: 48 ° 15.853 N
Lon: 123 ° 09.800 W

End Lat: ° N
Lon: ° W

Oxygen Info For This Cast
Blank Value: 0.006 mL · L⁻¹
Std Value: 0.712 mL · L⁻¹
*Date Run: 11 Sept 2008
Analyst: BT

* 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: 67 Event #: 26 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | 09 | 08

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	98	1316	1.456	BOT	☒ 146											→ titrated in MQ
2	99	1377	1.817	125	☒											again... sample #
3	100	1380	1.856	100	☒											changed to 980,
4	101	1381	2.687	75	☒											flask changed to
5	102	1384	2.973	50	☒											#1397. See event
6	103	1386	3.741	40	☒											13 for details
7	104	1389	4.086	30	☒											(note: I have been
8	105	1392	4.589	20	☒											switching MQ after
9	106	1393	5.162	10	☒											these mistakes) DT
10	107	1394	5.075	5	☒											
11	108	1395	5.867	Surf	☒											
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 148 m
Transmisso Cleaned: Y / N

	UTC	Local
Time Start	5:34	
Bottom	5:37	
End	5:49	

Positional Information
Start Lat: 44 ° 22 824 N
Lon: 123 ° 2 603 W

Bottom Lat: 48 ° 22 843 N
Lon: 123 ° 2 618 W

End Lat: 48 ° 22 870 N
Lon: 123 ° 2 714 W

Oxygen Info For This Cast
Blank Value: 0.006 mL • L⁻¹
Std Value: 0.712 mL • L⁻¹
*Date Run: 11 Sept 2008
Analyst: DT

* 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: 2008-5 Station: 56 Event #: 31 Ship: Vectra UTC Date (dd|mmm|yyyy): 11 | 09 | 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						
1	109	1280	2.287	307	☒ 267			☒								
2	110	1279	2.277	200	☒											
3	111	1267	2.231	175	☒											
4	112	1268	2.331	150	☒											
5	113	1278	2.460	125	☒											
6	114	1277	2.770	100	☒											
7	115	1276	3.035	75	☒											
8	116	1274	3.030	50	☒											
9	117	1247	3.237	40	☒											
10	118	1244	3.684	30	☒											
11	119	1241	3.765	20	☒				uv	uv						
12	120	1238	4.684	10	☒				uv	uv						
13	121	1230	4.964	5	☒											
14	122	1228	5.203	surf	☒				uv	uv						
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s):

Bottom Depth: 208 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Start	12 28	
Bottom	12 24	
End	12 51	

Positional Information

Start Lat: 48 ° 46 403 N
Lon: 123 ° 16 25 W

Bottom Lat: 48 ° 46 402 N
Lon: 123 ° 16 42 W

End Lat: 48 ° 46 361 N
Lon: 123 ° 1 777 W

Oxygen Info For This Cast

Blank Value: 0.006 mL • L⁻¹
Std Value: 0.712 mL • L⁻¹
*Date Run: 11 Sept 2008
Analyst: DT

* 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: 2008-51

Station: 46

Event #: 39

Ship: Vector

UTC Date (dd|mmm|yyyy): 11 | 09 | 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				
1	123	1445	2.805	BOT	173 ✓									
2	124	1443	2.819	150	✓									
3	125	1440	3.162	125	✓									
4	126	1434	3.791	100	✓									
5	127	1433	3.823	75	✓									
6	128	1432	3.488	50	✓									
7	129	1430	3.706	40	✓									
8	130	1429	4.160	30	✓									
9	131	1428	4.450	20	✓				uu	uu				
10	132	1427	5.882	10	✓				uu	uu				
11	133	1426	5.888	5	✓									
12	134	1421	6.821	surf	✓				uu	uu				
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Doug, Lindsay

Bottom Depth: 176 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	20:17	
Bottom	20:23	
End	20:30	

Positional Information

Start Lat: 48 ° 51 385 N
Lon: 123 ° 10 799 W

Start

Bottom Lat: 48 ° 51 392 N
Lon: 123 ° 10 732 W

Bottom

End Lat: 48 ° 51 360 N
Lon: 123 ° 10 673 W

End

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹
Std Value: 0.712 mL · L⁻¹
*Date Run: 11 Sep 2008
Analyst: DT

* 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: 2008-51 Station: 42 Event #: 41 Ship: Vector UTC Date (dd|mmm|yyyy): 11 | 09 | 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 NPLC				
1	135	1316	-	BOT	☒	318								runtime error
2	136	1377	3.166	300	☒									division by 0
3	137	1380	3.347	250	☒									lost sample
4	138	1381	3.434	200	☒									retrievable through
5	139	1384	3.783	175	☒									2008-51-0041.02?
6	140	1386	3.117	150	☒									(final dosage = 0.490 mL)
7	141	1389	3.365	125	☒									my error again.
8	142	1392	3.355	100	☒									See event 13 log.
9	143	1393	3.385	75	☒									flask # changed to
10	144	1394	3.663	50	☒									1404 (sample #
11	145	1395	4.124	40	☒									changed to 1400)
12	146	1397	4.333	30	☒									
13	147	1399	5.342	20	☒				✓	✓				
14	148	1400	5.919	10	☒				✓	✓				
15	149	1401	6.173	5	☒				✓	✓				
16	150	1402	6.133	surf	☒									
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Lindsay / Doug

Bottom Depth: 320 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2257	
Bottom	2305	
End	2324	

Positional Information

Start Lat: 49 ° 01' 9.3" N
 Lon: 123 ° 26' 23.6" W

Start

Bottom Lat: 49 ° 01' 79.8" N
 Lon: 123 ° 26' 22.0" W

Bottom

End Lat: 49 ° 01' 78.2" N
 Lon: 123 ° 26' 18.3" W

End

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 11 Sept 2008

Analyst: DT

* 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: 2008-51 Station: 39 Event #: 45 Ship: Vespa UTC Date (dd|mmm|yyyy): 12 | 09 | 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 NO ₃	PH ₄ TO			
1	151	1421	2.945	130T	☒ 370			☒						
2	152	1426	3.030	350	☒									
3	153	1427	3.420	300	☒									
4	154	1428	3.408	250	☒									
5	155	1429	3.342	200	☒									
6	156	1430	3.619	175	☒									
7	157	1432	3.248	150	☒									
8	158	1433	3.398	125	☒									
9	159	1434	3.263	100	☒									
10	160	1440	3.859	75	☒									
11	161	1443	3.591	50	☒									
12	162	1445	3.582	40	☒									
13	163	1446	3.680	30	☒									
14	164	1447	4.841	20	☒				✓	✓				
15	165	1451	6.328	10	☒				✓	✓				
16	166	1453	6.582	5	☒									
17	167	1418	6.450	Surf	☒				✓	✓	✓			
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): OT

Bottom Depth: 376 m

Transmisso Cleaned: ☒ I N

	UTC	Local
Time Start	<u>257</u>	
Bottom	<u>305</u>	
End	<u>326</u>	

Positional Information

Start Lat: 49 ° 09 830 N
Lon: 123 ° 32 946 W

Start

Bottom Lat: 49 ° 09 892 N
Lon: 123 ° 32 922 W

Bottom

End Lat: 49 ° 09 859 N
Lon: 123 ° 32 621 W

End

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹
Std Value: 0.712 mL · L⁻¹
*Date Run: 12 Sept 2008
Analyst: OT

* 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: 2008-51-

Station: 27

Event #: 48

Ship: Vegor

UTC Date (dd|mmm|yyyy): 12 | 09 | 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						
1	168	1316	3.165	300	✓	340										
2	169	1377	3.258	300	✓											
3	170	1380	3.653	250	✓											
4	171	1381	3.404	200	✓											
5	172	1384	3.474	175	✓											
6	173	1386	3.456	150	✓											
7	174	1389	3.490	125	✓											
8	175	1392	3.516	100	✓											
9	176	1393	3.753	75	✓											
10	177	1394	3.387	50	✓											
11	178	1395	3.499	40	✓											
12	179	1397	3.511	30	✓											
13	180	1399	3.666	20	✓											
14	181	1400	3.772	10	✓											
15	182	1401	5.472	5	✓											
16	183	1402	8.382	500	✓											
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RONNIE/DANIELE

Bottom Depth: 346 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	6:19	
Bottom	6:27	
End	6:47	

Positional Information

Start Lat: 49 ° 19.116 N
Lon: 123 ° 47.940 W

Bottom Lat: 49 ° 19.096 N
Lon: 123 ° 47.738 W

End Lat: 49 ° 19.096 N
Lon: 123 ° 48.017 W

Oxygen Info For This Cast

Blank Value: 0.006 mL • L⁻¹
Std Value: 0.712 mL • L⁻¹
*Date Run: 12 Sep 2008
Analyst: DT

* 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: 2008-51 Station: 2 Event #: 52 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | 09 | 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						
1	184	1228	3.250	BOT	☒	275										
2	185	1230	3.286	250	☒											
3	186	1238	3.300	200	☒											
4	187	1241	3.339	175	☒											
5	188	1244	3.489	150	☒											
6	189	1247	3.338	125	☒											
7	190	1267	3.325	100	☒											
8	191	1268	3.240	75	☒											
9	192	1274	3.530	50	☒											
10	193	1276	3.715	40	☒											
11	194	1277	3.560	30	☒											
12	195	1278	3.668	20	☒				xx	xx						
13	196	1279	5.195	10	☒				xx	xx						
14	197	1280	6.272	5	☒											
15	198	1281	6.508	surf	☒				xx	xx						
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): B D*

Bottom Depth: 274 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	1119	
Bottom	1128	
End	1146	

Positional Information

Start

Lat: 49 ° 24 08.8 N

Lon: 124 ° 09 25.7 W

Bottom

Lat: 49 ° 24 09.4 N

Lon: 124 ° 09 25.7 W

End

Lat: 49 ° 24 10.0 N

Lon: 124 ° 09 23.5 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 12 Sep 2008

Analyst: DT

* 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: 2008-51Station: 3Event #: 55Ship: VECTORUTC Date (dd|mmm|yyyy): 12 Sept 2008 AD

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	199	1336	1421	3.138	BOT	✓	315			✓				program did not recognise most of the flask #s. 1 st column = sample flask 2 nd column = flask # used to run titration. - where only one flask # is given, that flask was recognised.
2	200	1352	1426	3.227	300	✓								
3	201	1202	1427	3.539	250	✓								
4	202	2065		3.052	200	✓								
5	203	708	1428	3.396	175	✓								
6	204	1284	1429	3.643	150	✓								
7	205	1233	1430	3.613	125	✓								
8	206	1231	1432	3.199	100	✓								
9	207	3184		3.423	75	✓								
10	208	2090		3.383	50	✓								
11	209	1334	1433	3.577	40	✓								
12	210	2000		3.297	30	✓								
13	211	1130	1434	3.716	20	✓			✓✓	✓✓				
14	212	2035		4.468	10	✓			✓✓	✓✓				
15	213	1136	1440	6.343	5	✓								
16	214	2082	1443	6.159	surf	✓			✓✓	✓✓				
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): LB + DTBottom Depth: 318 mTransmisso Cleaned: (Y) N

Time	UTC	Local
Start	1421	
Bottom	1429	
End	1448	

Positional Information

Start Lat: 49 ° 26 626 N
Lon: 124 ° 20 207 W

Start

Bottom

Lat: 49 ° 26 616 N
Lon: 124 ° 20 177 W

End

Lat: 49 ° 26 581 N
Lon: 124 ° 20 236 W

Oxygen Info For This Cast

Blank Value: 0.006 mL • L⁻¹
Std Value: 0.712 mL • L⁻¹
*Date Run: 12 Sept 2008
Analyst: DT

* 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: 2008-51 Station: 6 Event #: 57 Ship: VEGA UTC Date (dd|mmm|yyyy): 12 | 09 | 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						
1	215	1228	3.375	80T	☒ 187											
2	216	1238	3.357	175	☒											
3	217	1230	3.608	150	☒											
4	218	1241	3.390	125	☒											
5	219	1279	3.266	100	☒											
6	220	1244	3.233	75	☒											
7	221	1247	3.299	50	☒											
8	222	1267	3.495	40	☒											
9	223	1268	3.686	30	☒											
10	224	1274	3.870	20	☒				~	~						
11	225	1276	5.597	10	☒				~	~						
12	226	1277	6.072	5	☒											
13	227	1278	6.184	Surf	☒				~	~						
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RD RD

Bottom Depth: 190 m

Transmisso Cleaned: ☒ / N

Time	UTC	Local
Start	16 41	
Bottom	16 45	
End	16 59	

Positional Information

Start

Lat: 49 ° 30 6 23 N

Lon: 124 ° 27 7 67 W

Bottom

Lat: 49 ° 30 6 13 N

Lon: 124 ° 27 7 90 W

End

Lat: 49 ° 30 5 87 N

Lon: 124 ° 27 7 94 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: 2008 Station: 9 Event #: 60 Ship: vector UTC Date (dd|mmm|yyyy): 12 | 09 | 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						
1	228	1316	3.291	BOT	161 ✓			✓								
2	229	1377	3.123	150	✓											
3	230	1380	3.072	125	✓											
4	231	1381	3.249	100	✓											
5	232	1384	3.152	75	✓											
6	233	1386	3.583	50	✓											
7	234	1389	3.963	40	✓											
8	235	1392	3.781	30	✓											
9	236	1393	4.242	20	✓				xx	xx						
10	237	1394	5.971	10	✓				xx	xx						
11	238	1395	6.607	5	✓											
12	239	1397	6.727	surf	✓				xx	xx						
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): LO/DS

Bottom Depth: 166 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	19:40	
Bottom	19:46	
End	19:56	

Positional Information

Start Lat: 49 ° 35 488 N

Lon: 124 ° 38 370 W

Start

Bottom Lat: 49 ° 35 490 N

Lon: 124 ° 38 316 W

Bottom

End Lat: 49 ° 35 520 N

Lon: 124 ° 38 244 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: 2008-51 Station: 12 Event #: 63 Ship: Vector UTC Date (dd|mmm|yyyy): 12 | 09 | 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				
1	240	1421	3.512	BOT	35 ✓									entered as 251m and 250m in software
2	241	1426	3.350	350	✓									
3	242	1427	3.437	300	✓									
4	243	1428	3.496	250	✓									
5	244	1429	3.348	200	✓									
6	245	1430	3.390	175	✓									
7	246	1432	3.389	150	✓									
8	247	1433	3.244	125	✓									
9	248	1434	3.189	100	✓									
10	249	1440	3.230	75	✓									
11	250	1443	3.609	50	✓									
12	251	1445	3.539	40	✓									
13	252	1446	3.589	30	✓									
14	253	1447	4.192	20	✓				xy	xy				
15	254	1451	4.454	10	✓				xy	xy				
16	255	1453	5.161	5	✓									
17	256	1418	5.613	surf	✓				xy	xy				
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): LO/PS

Bottom Depth: 356 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>21:57</u>	
Bottom	<u>22:06</u>	
End		

Positional Information

Start

Lat: 49 ° 43 612 N

Lon: 124 ° 40 788 W

Bottom

Lat: 49 ° 43 633 N

Lon: 124 ° 40 786 W

End

Lat: 49 ° 43 739 N

Lon: 124 ° 40 844 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 12 Sept 2008

Analyst: DT

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

Water Properties Group 371

Rosette Log

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

Cruise ID: 2008-51 Station: 14 Event #: 65 Ship: Valpar UTC Date (dd|mmm|yyyy): 13 | 09 | 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	ADL	PH	PO ₄	
1	257	1316	3.291	300	☒	312								
2	258	1377	3.394	250	☒									
3	259	1381	3.518	200	☒									
4	260	1384	3.833	175	☒									
5	261	1380	3.503	150	☒									
6	262	1386	3.129	125	☒									
7	263	1389	3.115	100	☒									
8	264	1392	3.053	75	☒									
9	265	1393	3.650	50	☒									
10	266	1394	3.904	40	☒									
11	267	1395	3.889	30	☒									
12	268	1397	3.977	20	☒									
13	269	1399	4.343	10	☒									
14	270	1400	5.113	5	☒									
15	271	1401	6.292	Surf	☒									
16	272	1402	6.285											
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Jm DT

Bottom Depth: 316 m

Transmisso Cleaned: ☒ N

Time	UTC	Local
Start	0040	
Bottom	0048	
End	0106	

Positional Information

Start
Lat: 49 ° 53 018 N
Lon: 124 ° 59 616 WBottom
Lat: 49 ° 53 048 N
Lon: 124 ° 59 609 WEnd
Lat: 49 ° 53 090 N
Lon: 124 ° 59 664 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹Std Value: 0.712 mL · L⁻¹

*Date Run: 13 Sep 2008

Analyst: DT

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

PH₂O sampled at 15, surface

Water Properties Group

Rosette Log

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

Cruise ID: 2008-57

Station: 116

Event #: 68

Ship: VECTOR

UTC Date (dd|mmm|yyyy): 13 | 09 | 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						
1	273	1228	3.347	BOT	☒ 154											
2	274	1230	3.293	125	☒											
3	275	1238	3.160	100	☒											
4	276	1241	3.088	75	☒											
5	277	1244	3.136	50	☒											
6	278	1247	3.316	40	☒											
7	279	1267	3.336	30	☒											
8	280	1268	3.451	20	☒											
9	281	1274	4.686	10	☒											
10	282	1276	6.021	5	☒											
11	283	1277	5.974	Surf												
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): RD/DA

Bottom Depth: 156 m

Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Start	<u>411</u>	
Bottom	<u>414</u>	
End	<u>425</u>	

Positional Information

Start

Lat: 49 ° 57 701 N

Lon: 125 ° 88 14 W

Bottom

Lat: 49 ° 57 708 N

Lon: 125 ° 88 22 W

End

Lat: 49 ° 57 702 N

Lon: 125 ° 88 69 W

Oxygen Info For This Cast

Blank Value: 0.006 mL · L⁻¹

Std Value: 0.712 mL · L⁻¹

*Date Run: 13 Sep 2008

Analyst: DA

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