

ROSETTE LOG

MISSION ID: 2007-67 STATION: SI CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 27/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	1	1297	2.996	75	✓													
2	2	1300	3.428	50	✓	✓												
3	3	1301	3.888	40	✓													
4	4	1302	4.149	30	✓													
5	5	1305	4.471	20	✓													
6	6	1306	4.313	10	✓													
7	7	1307	4.389	45	✓							✓✓						
8	8	1309	5.492	Surf	✓							✓✓						
9																		
10	10																	
11	11											✓						
12	12											✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 80

Cast # down: 1
Cast # up:

Time	LOC	UTC
Begin:	23 34	
Bottom:		
End:	23 46	

START POSITION (GPS)
LAT: 48 39 34.2
LONG: 123 29.15

BOTTOM POSITION (GPS)
LAT: 48 39.36
LONG: 123.29.16

END POSITION (GPS)
LAT: 48 39 38.8
LONG: 123 29 19.6

ROSETTE LOG

MISSION ID: 2007-67 STATION: 59 CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 28/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	9	1313	3.995	Bot	✓ 226													
2	10	1314	4.319	200	✓	✓												
3	11	1315	4.324	175	✓			✓										
4	12	1317	4.338	150	✓													
5	13	1318	4.355	125	✓													
6	14	1319	4.343	100	✓													
7	15	1320	4.357	75	✓													
8	16	1321	4.436	50	✓													
9	17	1322	4.442	40	✓													
10	18	1324	4.478	30	✓													
11	19	1325	4.494	20	✓													
12	20	1326	4.504	10	✓													
13	21	13		5	✓								✓					
14	22	1328	4.549	surf	✓			✓	✓				✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 5 meter didn't fire Bottle #13

SHIP:
ENTERED BY: *11*
CHECKED BY: *11*

Bottom Depth: 231

Cast # down: 3
Cast # up: 3

Time	LOC	UTC
Begin:	218	
Bottom:	224	
End:	240	

START POSITION (GPS)
LAT: 48 37 781
LONG: 123 14 569

BOTTOM POSITION (GPS)
LAT: 48 37 775
LONG: 123 14 585

END POSITION (GPS)
LAT: 48 37 799
LONG: 123 14 521

ROSETTE LOG

MISSION ID: 2007-67

STATION: 102

CAST NUMBER: 8

UTC DATE (dd/mm/yyyy): 28/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	23	1377	1.854	807	✓ 247													
2	24	1380	1.791	250	✓ 247													
3	25	1381	1.874	200	✓ 200	✓												
4	26	1384	2.182	175	✓ 170			✓✓										
5	27	1386	2.801	150	✓													
6	28	1389	2.903	125	✓													
7	29	1391	3.388	100	✓													
8	30	1392	3.684	75	✓ 76													
9	31	1400	5.248	50	✓ 49													
10	32	1401	5.257	40	✓													
11	33	1402	5.345	30	✓													
12	34	1403	5.624	20	✓													
13	35	1404	5.727	10	✓													
14	36	1406	5.725	5	✓								✓✓					
15	37	1408	5.730	surface	✓			✓✓					✓✓					
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

(wrong cast # in oxy file)

SHIP:

ENTERED BY: *JK*

CHECKED BY: *JK*

Bottom Depth: 247

Cast # down: 8

Cast # up: 8

Time	LOC	UTC
Begin:	14 20	
Bottom:	14 27	
End:	14 43	

START POSITION (GPS)

LAT: 48 29 974

LONG: 124 43 973

BOTTOM POSITION (GPS)

LAT: 48 30 038

LONG: 124 44 094

END POSITION (GPS)

LAT: 48 32 964

LONG: 124 43 040

ROSETTE LOG

MISSION ID: 2007-67 STATION: 75 CAST NUMBER: 11 UTC DATE (dd/mm/yyyy): 28/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	38	1413	1.855	BOT	✓ 21.6			1										On the way up, at about 80m, the transmissometer signal suddenly crashed, then reappeared a couple of bottles later. Also, display lost downcast + mid-section of upcast on the way up.
2	39	1414	1.845	200	✓	✓		✓										
3	40	1418	1.851	175	✓													
4	41	1421	1.845	150	✓													
5	42	1424	1.916	125	✓													
6	43	1426	2.597	100	✓													
7	44	1427	3.033	75	✓													
8	45	1428	4.120	50	✓													
9	46	1429	5.542	40	✓													
10	47	1430	4.507	30	✓													
11	48	3090	4.767	20	✓													
12	49	1432	5.479	10	✓													
13	50	1433	5.592	5	✓								✓					
14	51	1434	5.587	Surf	✓								✓					
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: 88

CHECKED BY:

Bottom Depth: 223

Cast # down: 11

Cast # up:

Time	LOC	UTC
Begin:		1710
Bottom:		1716
End:		1731

START POSITION (GPS)

LAT: 48° 28.267' N

LONG: 124° 32.783' W

BOTTOM POSITION (GPS)

LAT: 48° 28.241' N

LONG: 124° 32.832' W

END POSITION (GPS)

LAT: 48° 28.203' N

LONG: 124° 32.852' W

ROSETTE LOG

MISSION ID: 2007-67 STATION: 72 CAST NUMBER: 14 UTC DATE (dd/mm/yyyy): 28 Nov 07

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	52	76	2.060	Bot	✓ 180													
2	53	85	2.072	175	✓	✓		✓										
3	54	329	2.089	150	✓													
4	55	371	2.225	125	✓ 126													
5	56	425	3.088	100	✓ 101													
6	57	439	3.401	75	✓													
7	58	456	3.766	50	✓													
8	59	462	4.106	40	✓													
9	60	471	4.458	30	✓													
10	61	547	4.613	20	✓													
11	62	554	4.854	10	✓													
12	63	557	4.957	5	✓								✓					
13	64	559	4.957	surf	✓								✓					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: DT
CHECKED BY: DT/SS

Bottom Depth: 193

Cast # down: 14
Cast # up:

Time	LOC	UTC
Begin:		2151
Bottom:		2156
End:		

START POSITION (GPS)
LAT: 48 18 62
LONG: 124 04 02

BOTTOM POSITION (GPS)
LAT: 48 18 61
LONG: 124 04 06

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-67 STATION: 69 CAST NUMBER: 17 UTC DATE (dd/mm/yyyy): 29/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
1	65	1377	2.296*	Bot	✓	176		xx										*skated titration, MG
2	66	1381	2.191	150	✓													666-Fl.1411 = 2.207
3	67	1384	2.213	125	✓													677-Fl.1386 = 2.200
4	68	1389	2.792	100	✓													688-Fl.1391 = 2.783
5	69	1392	3.551	75	✓													699-1393 = 3.507
6	70	1395	4.057	50	✓													700-1394 = 4.066
7	71	1397	4.162	40	✓													711-1399 = 4.173
8	72	1401	4.201	30	✓			✓										*did my not have been on look
9	73	1402	4.185	20	✓			x										> 722-1406 = 4.201
10	74	1403	4.184	10	✓			x										
11	75	1404	4.190	5	✓			x										
12	76	1406	4.219	surf	✓			x										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: vector
 ENTERED BY: JA
 CHECKED BY: JA

Bottom Depth:

Cast # down: 17
 Cast # up: 17

Time	LOC	UTC
Begin:	<u>0053</u>	
Bottom:	<u>0057</u>	
End:	<u>109</u>	

START POSITION (GPS)
 LAT: 48 15 690
 LONG: 123 43 176

BOTTOM POSITION (GPS)
 LAT: 48 15 684
 LONG: 123 43 186

END POSITION (GPS)
 LAT: 48 15 775
 LONG: 123 43 284

Comments: Did some oxygen duplicates to check system. Sample 655, Flask 1380, depth 176db = 2.208 ml/l
check depths in oxy. computer

ROSETTE LOG

MISSION ID: 2007-67 STATION: ADCP CAST NUMBER: 20 UTC DATE (dd/mm/yyyy): 29/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13				
1	77	1297	2.972	807	✓	117										
2	78	1300	3.021	100	✓											
3	79	1301	3.258	75	✓			✓								
4	80*	1302	3.643*	50	✓											large wire angle;
5	81	1305	3.810	40	✓											did our best to
6	82	1306	4.211	30	✓											match depths
7	83	Did not fire		20	✓											
8	84	1309	4.459	10	✓											
9	85	1313	4.464	5	✓							✓				
10	86	1314	4.506	Surf	✓							✓				
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: Vector
 ENTERED BY: SP
 CHECKED BY: ST

Bottom Depth: 122

Cast # down: 20
 Cast # up:

Time	LOC	UTC
Begin:		0514
Bottom:		0517
End:		0527

START POSITION (GPS)
 LAT: 48° 13.970' N
 LONG: 123° 18.024' W

BOTTOM POSITION (GPS)
 LAT: 48° 13.979' N
 LONG: 123° 18.035' W

END POSITION (GPS)
 LAT: 48° 13.996' N
 LONG: 123° 18.022' W

Bottle 7 did not fire.

Comments: * Sample 80- lid^{had} popped off- large bubble in flask.

ROSETTE LOG

MISSION ID: 2007-67 STATION: 65 CAST NUMBER: 23 UTC DATE (dd/mm/yyyy): 29/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	87	1315	3.681	Bot	✓ 112													
2	88	1317	3.762	100	✓	✓												
3	89	1318	3.816	75	✓ 74			✓✓										
4	90	1319	3.881	50	✓													
5	91	1320	4.052	40	✓													
6	92	1321	4.121	30	✓													
7	93	1322	4.451	20	✓													
8	94	1324	4.565	10	✓													
9	95	1325	4.706	5	✓							✓✓						
10	96	1326	4.678	Surf	✓		✓	✓				✓✓						
11																		
12	121	1327	4.577	Bot 14	St 56													*
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: SS
CHECKED BY: SS

Bottom Depth: 123

Cast # down: 23
Cast # up:

Time	LOC	UTC
Begin:		0805
Bottom:		0809
End:		

START POSITION (GPS)
LAT: 48°15' 94
LONG: 123°09' 84

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-67 STATION: 62 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 29/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	97	76	3.510*	BOT	✓ 142													high curve (m) } sample + cast ±
2	98	85	3.667	125	✓ 124													
3	99	329	4.175	100	✓	✓												
4	100	371	4.5471	75	✓			✓✓										
5	101	425	4.609	50	✓													
6	102	439	4.628	40	✓													
7	103	456	4.766	30	✓													
8	104	462	4.763	20	✓													
9	105	471	4.777	10	✓													
10	106	547	4.768	5	✓								✓✓					
11	107	554	4.789	Surf				✓	✓				✓✓					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: SLB
CHECKED BY: SS

Bottom Depth: 146

Cast # down: 26
Cast # up:

Time	LOC	UTC
Begin:		1129
Bottom:		1134
End:		1146

START POSITION (GPS)
LAT: 48°22'85"
LONG: 123°02'58"

BOTTOM POSITION (GPS)
LAT: 48°22'85"
LONG: 123°02'60"

END POSITION (GPS)
LAT: 48°22'82"
LONG: 123°02'63"

ROSETTE LOG

MISSION ID: 2007-67 STATION: 56 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 29/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	108	557	4.132	BOT	✓ 207													
2	109	559	4.152	200	✓	✓												
3	110	575	4.147	175	✓													
4	111	586	4.223	150	✓													
5	112	589	4.179	125	✓													
6	113	604	4.218	100	✓													
7	114	605	4.296	75	✓			✓										
8	115	611	4.325	50	✓													
9	116	620	4.410	40	✓													
10	117	621	4.422	30	✓													
11	118	622	4.500	20	✓													
12	119	631	4.545	10	✓													
13	120	632	4.559	5	✓							✓✓						
14	121			207	✓							✓✓						ran in another file (23)
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: SS
CHECKED BY:

Bottom Depth: 213

Cast # down: 31
Cast # up:

Time	LOC	UTC
Begin:	17427	→
Bottom:	17485	→
End:		1804

START POSITION (GPS)
LAT: 48°46.424'N
LONG: 123°1.565'W

BOTTOM POSITION (GPS)
LAT: 48°46.418'N
LONG: 123°1.574'W

END POSITION (GPS)
LAT: 48°46.382'N
LONG: 123°1.609'W

ROSETTE LOG

MISSION ID: 2007-67 STATION: 46 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 30/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	122	1377	3.229	BOT	✓	127												
2	123	1380	3.682	150	✓		✓											
3	124	1381	4.061	125	✓													
4	125	1411	4.298	100	✓													
5	126	1384	4.502	75	✓			✓										
6	127	1386	4.709	50	✓													
7	128	1389	4.836	40	✓													
8	129	1391	5.080	30	✓													
9	130	1392	5.070	20	✓													
10	131	1393	5.795	10	✓													
11	132	1395	5.966	5	✓							✓						
12	133	1394	6.077	Surf				✓	✓			✓						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 177

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:	1	38
Bottom:	1	42
End:	1	54

START POSITION (GPS)
LAT: 48 51 36.8
LONG: 123 10 83.8

BOTTOM POSITION (GPS)
LAT: 48 51 34.8
LONG: 123 10 78.2

END POSITION (GPS)
LAT: 48 51 36.6
LONG: 123 10 91.9

ROSETTE LOG

MISSION ID: 2007-67 STATION: 42 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 30/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	134	1297	2.667	317	✓ Bot													
2	135	1300	2.737		✓ 300													little bubble in flask
3	136	1301	2.759		✓ 250	✓												
4	137	1302	3.340		✓ 200													
5	138	1305	3.335		✓ 175													
6	139	1306	3.572		✓ 150													
7	140	1307	4.337		✓ 125													
8	141	1309	4.080		✓ 100													
9	142	1313	4.338		✓ 75			✓										
10	143	1314	4.492		✓ 50													
11	144	1315	4.627		✓ 40													lid may have popped off
12	145	1317	4.473		✓ 30													
13	146	1318	4.640		✓ 20													
14	147	1319	4.948		✓ 10													
15	148	1320	5.809		✓ 5								✓					
16	149	1321	6.429		✓ surf								✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: SS

CHECKED BY:

Bottom Depth: 323m

Cast # down: 41

Cast # up:

Time	LOC	UTC
Begin:		0419
Bottom:		0427
End:		0447

START POSITION (GPS)

LAT: 49°1.782' N

LONG: 123° 26.256' W

BOTTOM POSITION (GPS)

LAT: 49°1.806' N

LONG: 123° 26.201' W

END POSITION (GPS)

LAT: 49°1.807' N

LONG: 123° 26.218' W

ROSETTE LOG

MISSION ID: 2007-67 STATION: 27 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 30/11/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	150	1413	2.517	807	✓ 343													started titrating 110
2	151	1414	2.581	300	✓	✓												
3	152	1418	2.599	250	✓			✓✓										
4	153	1421	2.966	200	✓													
5	154	1424	1.699+	175	✓													didn't titrate properly 1st time
6	155	1426	3.101	150	✓													
7	156	1427	3.071	125	✓													
8	157	1428	3.364	100	✓													
9	158	1429	3.323	75	✓													
10	159	1430	3.968	50	✓													
11	160	1432	4.662	40	✓													
12	161	3090	5.257	30	✓													
13	162	1433	6.104	20	✓													
14	163	1434	6.383	10	✓													
15	164	1329	6.579	5	✓							✓✓						
16	165	1328	6.624	surf	✓							✓✓						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Sample 154 - 1.699 ml/l + 0.645

SHIP: Vector
ENTERED BY: 88
CHECKED BY:

Bottom Depth:

Cast # down: 46
Cast # up:

Time	LOC	UTC
Begin:		1916
Bottom:		1924
End:	1147	1947

START POSITION (GPS)
LAT: 49° 19.108' N
LONG: 123° 48.023' W

BOTTOM POSITION (GPS)
LAT: 49° 19.146' N
LONG: 123° 48.032' W

END POSITION (GPS)
LAT: 49 19 164
LONG: 123 48 073

ROSETTE LOG

MISSION ID: 2007-67 STATION: 2 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy): 30 11 2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3				
1	166	1377	2.668	Bot	✓ 273											
2	167	1380	2.664	250	✓	✓										
3	168	1381	2.842	200	✓											
4	169	1411	3.041	175	✓											
5	170	1384	3.128	150	✓			✓✓								
6	171	1386	3.215	125	✓											
7	172			100	✓											
8	173	1391	3.250	75	✓											
9	174	1392	3.660	50	✓											
10	175	1393	4.036	40	✓											
11	176	1395	4.373	30	✓											
12	177	1394	4.879	20	✓											
13	178	1397	6.346	10	✓											
14	179	1399	6.466	5	✓							✓✓				
15	180	1401	6.678	Surf								✓✓				
16																
17																
18																
19																
20																
21																
22																
23																
24																

SHIP: vector 2007 67
 ENTERED BY: DT
 CHECKED BY:

Bottom Depth: 273

Cast # down: 51
 Cast # up: 51

Time	LOC	UTC
Begin:		<u>2353</u>
Bottom:		<u>0000</u>
End:		<u>0017</u>

START POSITION (GPS)
 LAT: 49 24.101
 LONG: 124 9.284

BOTTOM POSITION (GPS)
 LAT: 49 24.085
 LONG: 124 9.310

END POSITION (GPS)
 LAT: 49 24.108
 LONG: 124 9.308

Comments: Bottle 7 m.s. fired → no water

ROSETTE LOG

MISSION ID: 2007-67 STATION: 3 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 11/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	181	1297	2.541	bot	✓ 317			X	X									ran @ 0.01N
2	182	1300	2.536	300	✓	X												iodate standard
3	183	1301	2.694	250	✓													
4	184	1302	2.898	200	✓													
5	185	1305	3.050	175	✓													
6	186	1306	3.237	150	✓													
7	187	1307	3.418	125	✓													
8	188	1309	3.280	100	✓													
9	189	1313	3.260	75	✓													
10	190	1314	3.737	50	✓													
11	191	1315	4.208	40	✓													
12	192	1317	4.848	30	✓													
13	193	1318	5.877	20	✓				X									
14	194	1319	6.190	10	✓													
15	195	1320	6.402	5	✓							XX						
16	196	1321	6.470	1	✓			↓	↓			✓						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: SS
CHECKED BY:

Bottom Depth: 317

Cast # down: 54
Cast # up: 54

Time	LOC	UTC
Begin:	222	
Bottom:	229	
End:	246	

START POSITION (GPS)
LAT: 49 26 615
LONG: 124 20 211

BOTTOM POSITION (GPS)
LAT: 49 26 615
LONG: 124 20 260

END POSITION (GPS)
LAT: 49 26 208
LONG: 124 20 297

ROSETTE LOG

MISSION ID: 2007-67 STATION: 6 CAST NUMBER: 56 UTC DATE (dd/mm/yyyy): 01/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						(RAN 0's @ 0.01 N)
1	197	76	3.085	130	✓ 188													(put in 2007-677 Oxy File)
2	198	85	3.009	175	✓	✓												
3	199	329	3.047	150	✓													
4	200	371	3.042	125	✓			✓										
5	201	425	2.939	100	✓													
6	202	439	3.054	75	✓													
7	203	456	3.505	50	✓													
8	204	462	3.936	40	✓													
9	205	471	4.891	30	✓													
10	206	547	5.518	20	✓													
11	207	554	6.219	10	✓													
12	208	557	6.394	5	✓							✓						
13	209			surf	✓							✓						Surface bottle fired but empty.
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: 

CHECKED BY:

Bottom Depth: 193

Cast # down: 56

Cast # up:

Time	LOC	UTC
Begin:		0413
Bottom:		0417
End:		0430

START POSITION (GPS)

LAT: 49°30.598' N

LONG: 124°27.858' W

BOTTOM POSITION (GPS)

LAT: 49°30.600' N

LONG: 124°27.808' W

END POSITION (GPS)

LAT: 49°30.658' N

LONG: 124°27.857' W

ROSETTE LOG

MISSION ID: 2007-67 STATION: 9 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 01/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	210	559	2.541	80T	✓ 166	✓												ran @ 0.01N in oxy computer
2	211	575	2.641	150	✓	✓												
3	212	586	2.723	125	✓			✓										
4	213	589	2.926	100	✓													
5	214	604	3.057	75	✓													
6	215	605	3.800	50	✓													
7	216	611	4.714	40	✓													
8	217	620	4.732	30	✓													
9	218	621	5.368	20	✓													
10	219	622	6.114	10	✓													
11	220	631	6.308	5	✓													
12	221	632	6.325	surf				✓	✓				✓	✓				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: 88
CHECKED BY:

Bottom Depth: 171

Cast # down: 59
Cast # up:

Time	LOC	UTC
Begin:		0658
Bottom:		0702
End:		0714

START POSITION (GPS)
LAT: 49°35.530'N
LONG: 124°38.294'W

BOTTOM POSITION (GPS)
LAT: 49°35.514'N
LONG: 124°38.291'W

END POSITION (GPS)
LAT: 49°35.507'N
LONG: 124°38.356'W

ROSETTE LOG

MISSION ID: 2007-67 STATION: 12 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 01/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												ran@ 0.01N No mb ON FLASHS
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	222	1413	2.624	BOT	✓ 347													small bubble in flask
2	223	1414	2.645	300	✓													"
3	224	1418	2.872	250	✓													"
4	225	1421	2.770	200	✓													
5	226	1424	2.868	175	✓													
6	227	1426	2.901	150	✓													
7	228	1427	2.940	125	✓			✓										"
8	229	1428	2.957	100	✓													"
9	230	1429	3.042	75	✓													"
10	231	1430	3.893	50	✓													
11	232	1432	4.266	40	✓													"
12	233	3090	4.579	30	✓													
13	234	1433	5.621	20	✓													
14	235	1434	6.075	10	✓													
15	236	1451	6.351	5	✓									✓				
16	237	1327	6.379	surf	✓									✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: SS/MSJ
CHECKED BY: SS

Bottom Depth: 354

Cast # down: 62
Cast # up:

Time	LOC	UTC
Begin:		0911
Bottom:		0918
End:		

START POSITION (GPS)
LAT: 49°43'54
LONG: 124°40'77

BOTTOM POSITION (GPS)
LAT: 49°43'55
LONG: 124°40'80

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2007-67 STATION: 14 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 01/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					ran all 0s at 0.01N
1	238	1297	2.623	80T	✓	309												
2	239	1300	2.582	300	✓		✓											
3	240	1301	2.608	250	✓													
4	241	1302	2.647	200	✓													
5	242	1305	2.668	175	✓													
6	243	1306	4.09 + 0.056	150	✓													computer glitch
7	244	1307	2.663	125	✓													
8	245	1309	2.775	100	✓													
9	246	1313	3.028	75	✓			✓										
10	247	1314	3.696	50	✓													
11	248	1315	3.753	40	✓													
12	249	1318	4.413	30	✓													
13	250	1317	3.999	20	✓													
14	251	1319	5.269	10	✓													
15	252	1320	5.912	5	✓							✓✓						
16	253	1321	6.209	SURF	✓							✓✓						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: vector
ENTERED BY: DT
CHECKED BY: VTR

Bottom Depth: 312

Cast # down: 64
Cast # up: 64

Time	LOC	UTC
Begin:		11:46
Bottom:		11:54
End:		12:14

START POSITION (GPS)
LAT: 49 52.988
LONG: 124 59.634

BOTTOM POSITION (GPS)
LAT: 49 52.978
LONG: 124 59.664

END POSITION (GPS)
LAT: 49 53.006
LONG: 124 59.636

ROSETTE LOG

MISSION ID: 2057-67 STATION: 116 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 01/12/2007

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
1	254	76	*1.551	Bot	✓ 153													ran all @ 0.01M.
2	255	85	3.342	125	✓	✓												* didn't titrate properly
3	256	329	3.469	100	✓													1st time - need to fix
4	257	371	3.837	75	✓			✓										
5	258	425	3.899	50	✓													
6	259	439	3.929	40	✓													
7	260	456	4.171	30	✓													
8	261	462	4.495	20	✓													
9	262	471	5.368	10	✓													
10	263	547	5.483	5	✓													
11	264	554	5.925	surf	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:
 ENTERED BY: PT
 CHECKED BY:

Bottom Depth: 154

Cast # down: 66
 Cast # up: 66

Time	LOC	UTC
Begin:		<u>13:37</u>
Bottom:		<u>13:42</u>
End:		

START POSITION (GPS)
 LAT: 49 57.715
 LONG: 125 8.816

BOTTOM POSITION (GPS)
 LAT: 49 57.721
 LONG: 125 8.885

END POSITION (GPS)
 LAT: 49 57.725
 LONG: 125 8.857

Comments: