

ROSETTE LOG

MISSION ID: 2005-10 STATION: 51 CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 04/04/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL	NH4	COM				
1	1	364	0.00	BOT	✓ 172	✓	✓	✓										SULFUR ODOR
2	2	535	7.569	SUR		✓	✓	✓				✓	✓	✓				DID NOT SAMPLE CHL
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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22																		
23																		
24																		

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 172

Cast # down: 1

Cast # up: 1

TimeLOCUTC

Begin: 19 38

Bottom: 19 41

End:

START POSITION (GPS)

LAT: 48 39 343

LONG: 123 31 002

BOTTOM POSITION (GPS)

LAT: 48 39 364

LONG: 123 29 952

END POSITION (GPS)

LAT: 48 39 364

LONG: 123 29 952

ROSETTE LOG

MISSION ID: 2005-10 STATION: ADCP CAST NUMBER: 3 UTC DATE (dd/mm/yyyy): 04/04/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	NH4	COND	PH	ST	
1	3	572	4.498	BOT	✓	105		✓	✓									
2	4	657	4.609	100	✓									✓	✓			
3	5	1212	4.972	75	✓									✓	✓			
4	6	708	5.419	50	✓		✓							✓	✓			
5	7	727	5.550	40	✓								✓	✓				
6	8	709	5.608	30	✓								✓	✓	✓			
7	9	715	5.650	20	✓								✓	✓	✓	✓	✓	
8	10	1105	5.805	10	✓								✓	✓	✓	✓	✓	
9	11	1110	5.972	5	✓								✓	✓	✓	✓	✓	
10	12	1126	6.000	surf	✓								✓	✓	✓	✓	✓	no #10 d. in sample
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: [signature]
CHECKED BY:

Bottom Depth: 105

Cast # down: 3
Cast # up: 3

Time	LOC	UTC
Begin:	23	64
Bottom:	23	57
End:	000	8

START POSITION (GPS)
LAT: 48 14 034
LONG: 123 18 318

BOTTOM POSITION (GPS)
LAT: 48 14 053
LONG: 123 18 474

END POSITION (GPS)
LAT: 48 14 111
LONG: 123 19 028

ROSETTE LOG

MISSION ID: 2665-16 STATION: 65 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 05/04/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL	PH	DO	HA	ST	ST	
1	13	1128	5.105	807	✓													
2	14	1130	5.178	100	✓								✓	✓				
3	15	1134	5.375	75	✓								✓	✓				
4	16	1135	5.560	50	✓								✓	✓				
5	17	1175	5.648	40	✓								✓	✓				
6	18	1176	5.684	30	✓								✓	✓				
7	19	1138	5.749	20	✓								✓	✓	✓	✓		
8	20	1142	5.774	10	✓								✓	✓	✓	✓		
9	21	1146	5.813	5	✓								✓	✓	✓	✓	✓	
10	22	1158	5.835	Surf	✓			✓	✓				✓	✓	✓	✓	✓	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: ✓

ENTERED BY: Wendy

CHECKED BY:

Bottom Depth: 112

Cast # down: 7

Cast # up: 7

Time	LOC	UTC
Begin:		02:47
Bottom:		02:50
End:		03:01

START POSITION (GPS)

LAT: 48 15.892

LONG: 123 9.882

BOTTOM POSITION (GPS)

LAT: 48 15.876

LONG: 123 9.924

END POSITION (GPS)

LAT: 48 15.870

LONG: 123 10.034

ROSETTE LOG

MISSION ID: 2005-10 STATION: 62 CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 5/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	HRG	HRG	CDOM	SFS	SF20
1	23	1346	4.869	BOT	✓	143												
2	24	1347	5.464	12.5	✓													
3	25	1349	3.521	100	✓		✓						✓		✓			
4	26	1350	3.672	75	✓								✓					
5	27	1351	5.706	50	✓								✓					
6	28	1352	5.798	40	✓							✓						
7	29	1353	5.856	30	✓							✓	✓					SF: 2[>5µm+>20µm] for bot 9
8	30	1354	5.932	20	✓							✓	✓	✓	✓			2[>20µm] for bot 10
9	31	1356	5.941	10	✓							✓	✓	✓	✓			no water for CDOM
10	32	1358	5.907	5	✓							✓	✓	✓	✓	XX	XX	
11	33	1360	5.886	surf	✓							✓			✓			
12																SFS	SF20	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: Wendy

CHECKED BY:

Bottom Depth: 147

Cast # down: 10

Cast # up: 10

TimeLOCUTC

Begin:06:37

Bottom:06:42

End:06:51

START POSITION (GPS)

LAT: 48 22 776

LONG: 123 2 640

BOTTOM POSITION (GPS)

LAT: 48 22 800

LONG: 123 2 678

END POSITION (GPS)

LAT: 48 22 876

LONG: 123 2 862

ROSETTE LOG

MISSION ID: 2005-10 STATION: 59 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 5/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	✓	NUT	✓	TEO	✓	CHS	HPLO	✓	✓	✓	✓	
						✓	OXY	✓		ALK	CDM	CHL	NH4	CH	SFS	SFB		
1	34	364	364	607	✓													OXY SAMPLE ANALYSIS →
2	35	335	5.381	200	✓													
3	36	372	5.415	175	✓	✓												
4	37	657	5.479	150	✓						X						ME	
5	38	1212	5.520	125	✓												BF	
6	39	708	5.550	100	✓								XX					
7	40	727	5.591	75	✓								XX					
8	41	709	5.579	50	✓								XX					
9	42	715	5.575	40	✓										XX			
10	43	1105	5.573	30	✓								XX	XX				
11	44	1110	5.607	20	✓							X	XX	XX	XX			
12	45	1126	1126	10	✓							X	XX	XX	XX			problem with end point →
13	46	1128	5.584	5	✓							X	XX	XX	XX	XX	XX	
14	47	1130	5.585	surf	✓							X			XX			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: U. FORSLAND
CHECKED BY:

Bottom Depth: 220

Cast # down: 13
Cast # up: 13

Time	LOC	UTC
Begin:		1035
Bottom:		1042
End:		1102

START POSITION (GPS)
LAT: 48 37.794
LONG: 123 14.641

BOTTOM POSITION (GPS)
LAT: 48 37.877
LONG: 123 14.767

END POSITION (GPS)
LAT: 48 38.032
LONG: 123 15.078

Comments: * Problem with colorimeter.

ROSETTE LOG

MISSION ID: 2005-10 STATION: 56 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 05/04/2005

MISSION ID: 2805 75

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Photo		
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CH3	NH4							
									OXY	g/p			ALK	CDOM	CHL	SF5	SF20	HPLC		
1	48	1134	5.523	BOT.	✓	205		✓	✓											*not a good end point
2	49	1135	5.479	200	✓		✓													
3	50	1175	5.474	175	✓									✓						
4	51	1176	5.483	150	✓															
5	52	1138	5.480	125	✓									✓	✓					
6	53	1142	5.513	100	✓									✓	✓					
7	54	1146	5.468	75	✓									✓	✓					
8	55	1158	5.461	50	✓									✓	✓					
9	56	1136	5.466	40	✓									✓	✓	✓				
10	57	1137	5.486	30	✓									✓	✓	✓			✓	
11	58	1180	5.436	20	✓									✓	✓	✓			✓	
12	59	1192	5.360	10	✓									✓	✓	✓	✓	✓	✓	xxx
13	60	1195	5.294	5	✓									✓	✓	✓	✓	✓	✓	
14	61	1206	5.335	SURF.	✓			↓	↓					✓		✓				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: VECTOR
ENTERED BY: Zuzette
CHECKED BY:

Bottom Depth: 205

Cast # down: 14
Cast # up: 16

Time	LOC	UTC
Begin:	1246	
Bottom:	1251	
End:	1306	

START POSITION (GPS)
LAT: 48 46 376
LONG: 123 1624

BOTTOM POSITION (GPS)
LAT: 48 46 373
LONG: 123 1660

END POSITION (GPS)
LAT: 48 46 375
LONG: 123 1700

ROSETTE LOG

MISSION ID: 2005-10

STATION: 46

CAST NUMBER: 22

UTC DATE (dd/mm/yyyy): 05/04/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken														ST 20
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13								
							OXY			ALK		CHL	PH	CDOM	POC	ST 5				
1	62	1346	4.568	174	✓	✓														
2	63	1347	5.201	150	✓															
3	64	1349	5.267	125	✓															
4	65	1350	5.333	100	✓															
5	66	1351	5.415	75	✓															
6	67	1352	5.105	50	✓															
7	68	1353	5.088	40	✓															
8	69	1354	4.788	30	✓	✓														
9	70	1355	4.569	20	✓															
10	71	1358	5.901	10	✓															
11	72	1360	6.483	5	✓															
12	73	1361	6.439	Surf	✓															
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: Vector
ENTERED BY: Wendy/David
CHECKED BY:

Bottom Depth: 174

Cast # down: 22
Cast # up: 22

Time	LOC	UTC
Begin:	1802	
Bottom:	1807	
End:	1817	

START POSITION (GPS)
LAT: 48 51.431
LONG: 123 10.777

BOTTOM POSITION (GPS)
LAT: 48 51.415
LONG: 123 10.673

END POSITION (GPS)
LAT: 48 51.343
LONG: 123 10.522

ROSETTE LOG

MISSION ID: 2005-10

STATION: 42

CAST NUMBER: 24

UTC DATE (dd/mm/yyyy):

5/4/2005

MISSION ID: 2005-10				ROSETTE OPERATION		Samples taken												
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT	TCO		013	NH4						
							OXY	G/P		ATK	CDOM	CHI	SFS	SF20	HPD			
1	74	1362	→ *	bot	✓		✓	✓										*Correct time on this cast.
2	75	1363	2.731	300	✓													
3	76	1364	3.078	250	✓													
4	77	1366	3.982	200	✓													
5	78	1367	4.248	175	✓						✓							
6	79	1368	4.814	150	✓													
7	80	1371	4.765	125	✓							✓	✓					
8	81	1373	5.082	100	✓							✓	✓					-spigot broken
9	82	1374	4.737	75	✓							✓	✓					
10	83	1375	4.540	50	✓							✓	✓	✓				
11	84	1376	4.224	40	✓							✓	✓	✓				
12	85	1378	3.730	30	✓						✓	✓	✓	✓				
13	86	1379	4.145	20	✓						✓	✓	✓	✓				087 chl not sampled
14	87	1380	5.320	10	✓						✓	✓	✓	✓	✓	✓	✓	
15	88	1381	5.621	5	✓						✓	✓	✓	✓	✓	✓	✓	
16	89	1392	5.479	surf	✓		↓	↓			✓	✓	✓	✓	✓	✓	✓	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: VF/DM
CHECKED BY:

Bottom Depth: 312

Cast # down: 24
Cast # up: 24

Time	LOC	UTC
Begin:		2150
Bottom:		2158
End:		2210

START POSITION (GPS)
LAT: 48 1.902
LONG: 123 25.907

BOTTOM POSITION (GPS)
LAT: 48 1.854
LONG: 123 25.789

END POSITION (GPS)
LAT: 48 1.865
LONG: 123 25.574

Comments: * Sample analysis failed. Oxy. program froze during titration

ROSETTE LOG

MISSION ID: 2005-10

STATION: 39

CAST NUMBER: 28

UTC DATE (dd/mm/yyyy): 6/15/05

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												m ls
				Sample Depth	Confirmed pressure	SAL	OXY	NUT G/P	TCO	ALK	CO ₂	NH ₄	330	330	620	620	HAC	
1	90	1212	2.380	Bot	✓ 365	✓	✓	✓										
2	91	572	2.347	350	✓	✓												
3	92	657	2.516	300	✓													
4	93	535	3.119	250	✓													
5	94	364	3.721	200	✓													
6	95	708	4.200	175	✓						✓							
7	96	727	4.545	150	✓							✓						
8	97	709		125	✓							✓						*BAD END POINT
9	98	715	4.673	100	✓							✓						
10	99	1105	4.548	75	✓							✓						
11	100	1110	4.326	50	✓								✓					
12	101	1126	4.792	40	✓								✓	✓				
13	102	1128	5.247	30	✓	✓						✓	✓	✓				
14	103	1130	5.175	20	✓							✓	✓	✓				
15	104	1134	5.610	10	✓							✓	✓	✓	✓			
16	105	1135	5.832	5	✓							✓	✓	✓	✓	✓		xxx No CPM data
17	106	1175	5.928	SURF	✓							✓	✓					
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP:

ENTERED BY: 11

CHECKED BY: 1

Bottom Depth: 365

Cast # down: 28

Cast # up: 28

Time LOC UTC

Begin: 123

Bottom: 132

End: 145

START POSITION (GPS)

LAT: 49 9 758

LONG: 123 32 702

BOTTOM POSITION (GPS)

LAT: 49 9 982

LONG: 123 32 491

END POSITION (GPS)

LAT: 49 10 171

LONG: 123 32 336

Comments:

* last few DO data stored in wrong file (24 instead of 28)

ROSETTE LOG

MISSION ID: 2005-10

STATION: 27

CAST NUMBER: 31

UTC DATE (dd/mm/yyyy): 06/04/2008

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY			CO2	ALK	NH4	CHL	MLC	SFS	SF20		
1	107	1346	2.582	00T	✓ 346													
2	108	1347	2.706	300	✓													
3	109	1349	3.080	350	✓													
4	110	1350	4.007	200	✓	✓												
5	111	1351	4.217	175	✓					✓								
6	112	1352	4.042	150	✓													
7	113	1353	4.267	125	✓													
8	114	1354	4.352	100	✓								vv					
9	115	1356	3.972	75	✓								vv					
10	116	1358	4.166	50	✓								vv					* Problem with endpoint
11	117	1360	4.109	40	✓	✓							vv	vv				
12	118	1361	4.648	30	✓					✓			vv	vv	vv			
13	119	1362	5.723	20	✓					✓			vv	vv	vv			
14	120	1363	6.082	10	✓					✓			vv	vv	vv	vv	vv	
15	121	1382	5.907	5	✓					✓			vv					
16	122	1366	6.115	surf	✓			✓		✓			vv					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: vector
 ENTERED BY: h/h
 CHECKED BY:

Bottom Depth: 350

Cast # down: 31

Cast # up: 21

Time	LOC	UTC
Begin:		05:22
Bottom:		05:31
End:		05:41

START POSITION (GPS)
 LAT: 49 19 06.7
 LONG: 123 48 01.1

BOTTOM POSITION (GPS)
 LAT: 49 18.992
 LONG: 123 47.947

END POSITION (GPS)
 LAT: 49 18.798
 LONG: 123 47.794

Comments:

my tummy hurts

* Dry program displays different blank # standards than run for 2005-10, should be .003, .003, .003
 .721, .721, .721
 * No mg on flask tops.

ROSETTE LOG

MISSION ID: 2005-10 STATION: 16 CAST NUMBER: 37 UTC DATE (dd/mm/yyyy): 6/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		PCO		C13						
							OXY			UHT	ALK	COH	CHL	HOL	SES	SP	ph	
1	123	1233	4.555	80T	✓													
2	124	1231	4.590	125	✓					✓✓		✓✓						
3	125	1228	5.258	100	✓					✓✓								
4	126	1223	5.281	75	✓					✓✓								
5	127	1225	5.319	50	✓								✓✓					
6	128	1216	5.279	40	✓					✓✓			✓✓					
7	129	1248	5.239	30	✓					✓✓		✓✓	✓✓	✓✓				
8	130	1237	5.192	20	✓					✓✓		✓✓	✓✓	✓✓				
9	131	1238	5.363	10	✓					✓✓		✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	
10	132	1241	5.977	5	✓					✓✓		✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	
11	133	1247	6.052	surf	✓							✓✓	✓✓					
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: V. FORSLAND
CHECKED BY:

Bottom Depth: 155

Cast # down: 37
Cast # up: 37

Time	LOC	UTC
Begin:	2102	→
Bottom:	2106	
End:	2113	

START POSITION (GPS)
LAT: 49 57.648
LONG: 125 8.647

BOTTOM POSITION (GPS)
LAT: 49 57.594
LONG: 125 8.528

END POSITION (GPS)
LAT: 49 57.528
LONG: 125 8.362

ROSETTE LOG

MISSION ID: 2005-10

STATION: 14

CAST NUMBER: 41

UTC DATE (dd/mm/yyyy):

7/14/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	G/P	DO	ORP	NH4	CDOM	CHL	SFS	SF20	HPLC	
1	134	1346	2.709	Bot.	✓ 305		✓	✓✓										
2	135	1347	2.670	300	✓													
3	136	1349	2.941	250	✓	✓												
4	137	1367	2.998	200	✓													
5	138	1351	3.271	175	✓													
6	139	1352	3.262	150	✓							✓						
7	140	1353	3.511	125	✓							✓✓						sm bubbles
8	141	1354	4.178	100	✓							✓✓						
9	142	1356	4.884	75	✓							✓✓						
10	143	1358	5.684	50	✓							✓✓	✓✓					
11	144	1360	5.732	40	✓							✓✓	✓✓					
12	145	1361	5.790	30	✓							✓✓	✓✓					
13	146	1362	5.631	20	✓							✓✓	✓✓				✓✓	Bad end point
14	147	1363	6.076	10	✓							✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	
15	148	1382	5.925	5	✓							✓✓	✓✓					
16	149	1366		Surf.	✓							✓	✓✓					
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: VP
CHECKED BY: JP

Bottom Depth: 305

Cast # down: 41
Cast # up: 41

Time LOC UTC
Begin: 00:50
Bottom: 00:58
End: 01:11

START POSITION (GPS)
LAT: 49 52.985
LONG: 124 59.586

BOTTOM POSITION (GPS)
LAT: 49 53.011
LONG: 124 59.651

END POSITION (GPS)
LAT: 49 53.074
LONG: 124 59.567

Comments:

ROSETTE LOG

MISSION ID: 2005-10 STATION: 12 CAST NUMBER: 44 UTC DATE (dd/mm/yyyy): 07/04/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			CO2	ALK	NH4	CHL	H2O	SiO2	SiO2		
1	150	1212	2.548	205	✓ 352													
2	151	572	2.895	300	✓													
3	152	657	3.101	250	✓	✓												
4	153	535	3.224	200	✓													
5	154	364	3.454	175	✓					✓								
6	155	708	3.526	150	✓													
7	156	727	3.496	125	✓								vv					
8	157	709	3.367	100	✓								vv					
9	158	715	3.919	75	✓								vv					
10	159	1105	5.762	50	✓								vv					
11	160	1110	5.974	40	✓								vv	vv				
12	161	1126	6.085	30	✓	✓							vv	vv	vv			
13	162	1128	6.192	20	✓					✓			vv	vv	vv			
14	163	1130	6.461	10	✓					✓			vv	vv	vv	vv	vv	
15	164	1134	6.735	5	✓					✓			vv					
16	165	1135		surf	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: Wendy W.
CHECKED BY:

Bottom Depth: 356

Cast # down: 44
Cast # up: 44

Time	LOC	UTC
Begin:		05:33
Bottom:		05:42
End:		05:56

START POSITION (GPS)
LAT: 49 43.626
LONG: 124 40.872

BOTTOM POSITION (GPS)
LAT: 49 43.586
LONG: 124 40.938

END POSITION (GPS)
LAT: 49 43.506
LONG: 124 41.051

ROSETTE LOG

MISSION ID: 7005-10

STATION: 9

CAST NUMBER: 46

UTC DATE (dd/mm/yyyy): 07/04/2008

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			CDOM	ALK	NH4	CHL	PHLC	SFS	SFL		
1	166	1346	3.226	80T	✓					✓								
2	167	1347	3.248	150	✓													
3	168	1349	3.358	125	✓							✓✓						
4	169	1367	3.531	100	✓	✓						✓✓						
5	170	1351	4.146	75	✓							✓✓						
6	171	1352	5.427	50	✓								✓✓					
7	172	1353	5.585	40	✓							✓✓	✓✓					
8	173	1354	5.720	30	✓					✓		✓✓	✓✓	✓✓				
9	174	1356	5.635	20	✓					✓		✓✓	✓✓	✓✓				
10	175	1358	5.653	10	✓					✓		✓✓	✓✓	✓✓	✓✓			
11	176	1360	5.701	5	✓					✓			✓✓					
12	177	1361	5.944	surf	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: V. FORSLAND
CHECKED BY:

Bottom Depth: 166

Cast # down: 46
Cast # up: 46

Time	LOC	UTC
Begin:		0828
Bottom:		0833
End:		0842

START POSITION (GPS)
LAT: 49 35.532
LONG: 124 38.279

BOTTOM POSITION (GPS)
LAT: 49 35.616
LONG: 124 38.270

END POSITION (GPS)
LAT: 49 35.714
LONG: 124 38.351

ROSETTE LOG

MISSION ID: 2005-10

STATION: 6

CAST NUMBER: 50

UTC DATE (dd/mm/yyyy): 07/04/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												m/s
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	G/P	TCO	CHL	CDOM	NH4	330	330	620	620	
1	178	1362	3.112	Bot	✓	193	✓	✓	✓									
2	179	1363	3.322	175	✓								✓					
3	180	1382	3.391	150	✓													
4	181	1366	3.588	125	✓								✓	✓				
5	182	1350	4.127	100	✓								✓	✓				
6	183	1368	3.771	75	✓								✓	✓				
7	184	1371	5.040	50	✓									✓	✓			
8	185	1373	5.470	40	✓									✓	✓			
9	186	1374	5.768	30	✓									✓	✓			
10	187	1375	6.255	20	✓									✓	✓	✓		✓
11	188	1376	6.212	10	✓									✓	✓	✓	✓	✓
12	189	1378	5.750	5	✓									✓	✓	✓	✓	✓
13	190	1379	6.265	Surf.	✓									✓	✓			
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: VF

CHECKED BY:

Bottom Depth: 193

Cast # down: 50

Cast # up: 50

Time	LOC	UTC
Begin:		<u>1144</u>
Bottom:		<u>1149</u>
End:		<u>1159</u>

START POSITION (GPS)	
LAT:	<u>49 30.646</u>
LONG:	<u>124 27.763</u>

BOTTOM POSITION (GPS)	
LAT:	<u>49 30.629</u>
LONG:	<u>124 27.604</u>

END POSITION (GPS)	
LAT:	<u>49 30.588</u>
LONG:	<u>124 27.395</u>

Comments:

ROSETTE LOG

MISSION ID: 2005-10

STATION: 3

CAST NUMBER: 53

UTC DATE (dd/mm/yyyy): 7/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												mls
				Sample Depth	Confirmed pressure	SAL		NUT		DO		ORP	NH ₄	NO ₃	NO ₂	PO ₄	SiO ₄	
1	191	1212	2.358	300	✓ 315			✓	✓									
2	192	572	2.331	300	✓													
3	193	657	2.604	250	✓	✓												
4	194	535	3.169	200	✓													
5	195	364	3.505	175	✓													
6	196	708	3.826	150	✓							✓						
7	197	727	4.018	125	✓								✓	✓				
8	198	709	3.690	100	✓								✓	✓				
9	199	715	3.681	75	✓								✓	✓				
10	200	1105	5.231	50	✓									✓	✓			
11	201	1110	5.340	40	✓								✓	✓	✓			
12	202	1126	5.486	30	✓								✓	✓	✓			
13	203	1128	5.786	20	✓								✓	✓	✓			
14	204	1130	6.293	10	✓								✓	✓	✓	✓	✓	
15	205	1134	6.698	5	✓								✓	✓	✓	✓	✓	
16	206	1135	6.736	Surf.	✓			▼	▼				✓	✓	✓			
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
 ENTERED BY: VF
 CHECKED BY: VF

Bottom Depth: 315

Cast # down: 53
 Cast # up: 53

Time	LOC	UTC
Begin:		14:48
Bottom:		14:56
End:		15:07

START POSITION (GPS)
 LAT: 49 26.626
 LONG: 124 20.158

BOTTOM POSITION (GPS)
 LAT: 49 26.707
 LONG: 124 20.125

END POSITION (GPS)
 LAT: 49 26.756
 LONG: 124 20.146

Comments:

Comment - Please do dup Nuts @ 125m
 2 glass
 2 plastic

ROSETTE LOG

MISSION ID: 2005-10

STATION: 2

CAST NUMBER: 54

UTC DATE (dd/mm/yyyy): 7/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												m/s
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	G/P	TCO	ATK	CDOM	CHL	330	330	620	620	
1	207	1346	2.660	Bot.	✓ 287		✓	✓✓										
2	208	1347	2.652	250	✓													
3	209	1349	3.214	200	✓													
4	210	1367	3.667	175	✓								✓					
5	211	1351	3.936	150	✓													
6	212	1352	4.236	125	✓								✓✓					
7	213	1353	4.349	100	✓								✓✓					
8	214	1354	3.836	75	✓								✓✓					
9	215	1356	3.811	50	✓									✓✓				
10	216	1358	5.000	40	✓								✓✓	✓✓				
11	217	1360	5.161	30	✓								✓	✓✓	✓✓		✓✓	
12	218	1361	5.299	20	✓								✓	✓✓	✓✓		✓✓	
13	219	1362	6.218	10	✓								✓	✓✓	✓✓	✓✓	✓✓	XXX
14	220	1363	6.407	5	✓								✓		✓✓			
15	221	1382	6.989	Surf.	✓													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: VF
CHECKED BY:

Bottom Depth: 243

Cast # down: 54
Cast # up: 54

Time	LOC	UTC
Begin:		15:57
Bottom:		16:04
End:		16:17

START POSITION (GPS)
LAT: 49 24.04
LONG: 124 9.343

BOTTOM POSITION (GPS)
LAT: 49 23.934
LONG: 124 9.486

END POSITION (GPS)
LAT: 49 23.849
LONG: 124 9.590

Comments: overshoot 175m by 5m; went back to 175m to sample.

ROSETTE LOG

MISSION ID: 2005-10

STATION: 102

CAST NUMBER: 57

UTC DATE (dd/mm/yyyy):

8/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	CO ₂	CHL	ALK	DPH	CHL	HPLC	SFS	SP20	photo		
1	222	1346	3.157	805	✓	250													
2	223	1347	3.019	200	✓	202													
3	224	1349	3.325	175	✓					✓									
4	225	1367	3.596	150	✓														
5	226	1351	4.379	125	✓														
6	227	1352	4.969	100	✓														
7	228			75	✓														
8	229	1354	6.267	50	✓														
9	230	1356	6.560	40	✓														
10	231	1358	6.568	30	✓														
11	232	1360	6.504	20	✓														
12	233	1361	6.584	10	✓														
13	234	1362	6.603	5	✓														
14	235	1363	6.638	Surf	✓														
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: VECTOR

ENTERED BY: V. FORSLAND

CHECKED BY:

Bottom Depth: 256

Cast # down: 56

Cast # up: 56

Time LOC UTC

Begin: 7:33

Bottom: 7:40

End: 7:50

START POSITION (GPS)

LAT: 48 30.011

LONG: 124 43.972

BOTTOM POSITION (GPS)

LAT: 48 30.011

LONG: 124 44.093

END POSITION (GPS)

LAT: 48 30.007

LONG: 124 44.328

Comments:

Bottle 7 - no water in bottle

ROSETTE LOG

MISSION ID: 2005-10

STATION: 75

CAST NUMBER: 60

UTC DATE (dd/mm/yyyy):

8/4/2005

MISSION ID: 2005-10 STATION: 2005-10

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken														
				Sample Depth	Confirmed pressure	SAL		NUT		PCO		CHL		ATK	NH4	CHL	HPLE	SFS	SF20	NH410
1	236	1382	2.928	BOT	✓															
2	237	1366	3.006	200	✓															
3	238	1350	3.102	175	✓															
4	239	1368	3.505	150	✓															
5	240	1371	3.785	125	✓															
6	241	1373	4.271	100	✓															
7	242	1374	4.863	75	✓															
8	243	1375	5.476	50	✓															
9	244	1376	5.590	40	✓															
10	245	1378	5.363	30	✓															
11	246	1379	6.168	20	✓															
12	247	1380	6.499	10	✓															
13	248	1381	6.519	5	✓															
14	249	1364	6.630	surf																
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: vector
ENTERED BY: WW
CHECKED BY:

Bottom Depth: 222

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:		1034
Bottom:		1040
End:		1051

START POSITION (GPS)
LAT: 48 28.183
LONG: 124 32.756

BOTTOM POSITION (GPS)
LAT: 48 28.154
LONG: 124 32.875

END POSITION (GPS)
LAT: 48 28.105
LONG: 124 32.982

Comments:

ROSETTE LOG

MISSION ID: 2005-10

STATION: 72

CAST NUMBER: 63

UTC DATE (dd/mm/yyyy): 8/4/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TEMP	CHL	CH2	CH3	SFS	SF20	HPIC			
1	250	1212	3.358	BOT	✓	175													
2	251	572	3.305	175	✓					✓									
3	252	657	3.410	150	✓														
4	253	535	3.928	125	✓		✓					✓✓							
5	254	364	4.658	100	✓							✓✓							
6	255	708	5.035	75	✓							✓✓							
7	256	727	5.244	50	✓								✓✓						
8	257	709	5.319	40	✓							✓✓	✓✓						
9	258	715	5.603	30	✓					✓		✓✓	✓✓				✓✓		
10	259	1105	X	20	✓					✓		✓✓	✓✓				✓✓		
11	260	1110	6.494	10	✓					✓		✓✓	✓✓	✓✓	✓✓		✓✓		
12	261	1126	6.495	5	✓					✓		✓✓	✓✓	✓✓	✓✓		✓✓		
13	262	1128	6.535	500	✓					✓			✓✓						
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

SHIP: VECTOR

ENTERED BY: VF

CHECKED BY:

Bottom Depth: 175

Cast # down: 63

Cast # up:

Time LOC UTC

Begin: 13 37

Bottom: 13 42

End: 13 50

START POSITION (GPS)

LAT: 48 18 631

LONG: 124 3 917

BOTTOM POSITION (GPS)

LAT: 48 18 618

LONG: 124 3 798

END POSITION (GPS)

LAT: 48 18 644

LONG: 124 3 679

Comments:

ROSETTE LOG

MISSION ID: 2005-10

STATION: 69

CAST NUMBER: 66

UTC DATE (dd/mm/yyyy):

08/04/2005

MISSION ID: 2005-10				ROSETTE OPERATION		Samples taken												
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK	DRY	CHL	HP	SE	SE20	photo		
1	263	1130	3.865	201	✓ 175					✓								
2	264	1134	4.553	150	✓													
3	265	1135	4.713	125	✓	✓						✓✓						
4	266	1175	4.785	100	✓							✓✓						
5	267	1176	5.111	75	✓							✓✓						
6	268	1138	5.403	50	✓								✓✓					
7	269	1142	5.444	40	✓								✓✓	✓✓				
8	270	1146	5.498	30	✓								✓✓	✓✓	✓✓			
9	271	1158	5.510	20	✓					✓			✓✓	✓✓	✓✓			
10	272	1136	5.515	10	✓					✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
11	273	1137	5.523	5	✓✓					✓			✓✓					
12	274	1138	6.236	surf	✓					✓			✓✓					
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

(1. The 11 is v. sticky)

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 175

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		19:35
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 15.660
LONG: 123 43.153

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: fired 2 bottles @ 5m (bottle 11 is v. sticky)