

ROSETTE LOG

MISSION ID: 2005-25

STATION: 51

CAST NUMBER: 1

UTC DATE (dd/mm/yyyy):

13/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
						OXY				ALK		CHL	DOT					
1	1	1137	0.135	bottom	✓	1.75	✓	✓	✓	✓								
2	2	1464	4.367	10m	✓			✓	✓	✓			✓	✓				
3	3	1465	6.197	surface	✓			✓	✓	✓			✓	✓				
4																		
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9																		
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24																		

SHIP: Vector
ENTERED BY: JH
CHECKED BY: JH

Bottom Depth: 175

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:	1:11	
Bottom:	1:16	
End:	1:21	

START POSITION (GPS)
LAT: 48 39 49.2
LONG: 123 30 34.3

BOTTOM POSITION (GPS)
LAT: 48 39 50.8
LONG: 123 30 37.2

END POSITION (GPS)
LAT: 48 39 51.6
LONG: 123 30 39.7

Comments:

ROSETTE LOG

MISSION ID: 2005-25 STATION: 59 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 13/09/2005

MISSION ID: 2803-2 STATION				ROSETTE OPERATION		Samples taken												
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		TCO	CHL	CI3	MPCL					
							OXY			NH4	ALK	CODM	OML	SF5	SF20			
1	4	1467	2.687	605	✓ 230	✓	✓	✓✓										
2	5	1468	2.748	200	✓		✓	✓✓										
3	6	1470	2.773	175	✓		✓	✓✓										
4	7	1471	2.810	150	✓		✓	✓✓				✓						
5	8	1473	2.964	125	✓		✓	✓✓										
6	9	1475	3.010	100	✓		✓	✓✓		✓✓								
7	10	1474	3.222	75	✓		✓	✓✓		✓✓								
8	11	1477	3.401	50	✓		✓	✓✓				✓✓						
9	12	1478	3.446	40	✓		✓	✓✓										
10	13	1479	3.719	30	✓		✓	✓✓		✓✓	✓✓		✓✓					
11	14	1480	4.179	20	✓		✓	✓✓		✓✓	✓✓	✓	✓✓					
12	15	1481	4.168	10	✓	✓	✓	✓✓		✓✓	✓✓	✓	✓✓	✓	✓✓			
13	16	1482	4.188	5		✓	✓	✓✓		✓✓	✓✓	✓✓	✓✓	✓	✓✓			
14	17	1483	4.201	Surf			✓	✓✓		✓✓	✓✓	✓✓	✓✓					Air Bubbles in sample
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: CD
CHECKED BY: VF

Bottom Depth: 230

Cast # down: 2
Cast # up: 2

Time LOC UTC 437
Begin: 48 37 891
Bottom: 123 14 459
End: 437

START POSITION (GPS)
LAT: 48 37 19.34
LONG: 123 14 426

BOTTOM POSITION (GPS)
LAT: 48 38 040
LONG: 123 12 776

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2065-25

STATION: 102

CAST NUMBER: 6

UTC DATE (dd/mm/yyyy): 13/09/2005

MISSION ID: 2065-25

ROSETTE OPERATION

Sample Depth

Confirmed pressure

Samples taken

SAL

OXY

NUT

TCO

PHL

ALK

CI3

SES

SE20

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SHIP: Vector
ENTERED BY: *TH*
CHECKED BY:

Bottom Depth: 258

Cast # down: 6
Cast # up: 6

Time	LOC	UTC
Begin:	12 25	
Bottom:	12 30	
End:	12 44	

START POSITION (GPS)
LAT: 48 30 01.8
LONG: 124 44 035

BOTTOM POSITION (GPS)
LAT: 48 30 01.4
LONG: 124 43 99.3

END POSITION (GPS)
LAT: 48 30 02.9
LONG: 124 43 90.3

Comments:

ROSETTE LOG

MISSION ID: 2005-25

STATION: 75

CAST NUMBER: 9

UTC DATE (dd/mm/yyyy): 13/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken x												
				Sample Depth	Confirmed pressure	SAL		NUT		TEO	HPLC	C13						
										photo	ALK		CHL	NH4	CDOM	SFS	SF20	
1	33	1192	1.737	BOT	✓	✓	✓	✓										
2	34	1195	1.550	200	✓													
3	35	1206	1.566	175	✓													
4	36	1212	1.635	150	✓													
5	37	1331	2.168	125	✓													
6	38	1333	2.296	100	✓									✓				
7	39	1341	2.906	75	✓									✓				
8	40	1383	2.929	50	✓									✓				
9	41	1384	3.333	40	✓									✓				
10	42	1398	3.516	30	✓									✓				
11	43	1399	3.970	20	✓									✓				HPLC - only 1 sample
12	44	1400	4.174	10	✓									✓				
13	45	1402	4.758	5	✓			✓	✓					✓				Strange Oxy curve?
14	46	1403	4.598	5	✓					✓	✓			✓				
15	47			5m				✓	✓					✓	✓	✓		
16																		
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SHIP: Vector
ENTERED BY: MD
CHECKED BY:

Bottom Depth: 225

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	819	1519
Bottom:	824	1524
End:	839	1539

START POSITION (GPS)
LAT: 48 28 158
LONG: 124 32 758

BOTTOM POSITION (GPS)
LAT: 48 28 158
LONG: 124 32 68

END POSITION (GPS)
LAT: 48 28 230
LONG: 124 32 45

Comments:

ROSETTE LOG

MISSION ID: 2005-25 STATION: 72 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 13/

MISSION ID: 2003				ROSETTE OPERATION		Samples taken												oxy flakes	
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	NH4	CI3	ALK	HPIL	CHL	SE	SE20	CDOM		
1	48	368	1.668	807	✓														Both triggered @ 175m
2	49	572	1.620	175	✓														
3	50	657	1.658	150	✓													✓	
4	51	708	1.743	125	✓														
5	52	709	2.349	100	✓														
6	53	727	2.413	75	✓														
7	54	715	3.030	50	✓														
8	55	1105	3.345	40	✓														
9	56	1110	3.411	30	✓														
10	57	1126	3.467	20	✓														
11	58	1128	3.963	10	✓														
12	59	1130	4.072	5	✓														
13	60	—	—	5	✓														
14	61	1134	4.498	5m	✓														
15																			
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SHIP: VECTOR
ENTERED BY: Lize He
CHECKED BY: AP & VF

Bottom Depth: 185 / 175

Cast # down: 13
Cast # up: 13

Time: 2036 UTC
Begin: 2036
Bottom: 2040
End: 2053

START POSITION (GPS)
LAT: 48 18.602
LONG: 123 3.702

BOTTOM POSITION (GPS)
LAT: 48 18.576
LONG: 123 3.624

END POSITION (GPS)
LAT: 48 508
LONG: 123 3.400

ROSETTE LOG

MISSION ID: 2005-25 STATION: 69 CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 14/09/2005

MISSION ID: 2005-25				STATION: 001		ROSETTE OPERATION		Samples taken												PHYTO
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	SAL		NUT		DO		ORP								
							OXY	G/P	NH4		ATC		CHL	SF5	SF20	HPLC	CODM			
1	62	1135	1.693	Bottom	✓	✓	✓	✓										✓		
2	63	1136	1.672	150	✓															
3	64	1138	1.677	125	✓															
4	65	1142	1.671	100	✓															
5	66	1146	1.929	75	✓															
6	67	1158	2.679	50	✓														Dups @ 50m	
7	68	1175	2.958	40	✓								✓	✓						
8	69	1383	3.110	30	✓								✓	✓						
9	70	1176	3.530	20	✓	✓							✓	✓			✓	✓		
10	71	1386	5.014	10	✓								✓	✓	✓					
11	72	1389	4.476	5	✓								✓	✓	✓					
12	73			5	✓												✓	✓	✓	
13	74	1391	4.767	Surface	✓								✓				✓	✓		
14																				
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SHIP: VECTOR
ENTERED BY: VF
CHECKED BY:

Bottom Depth: 170

Cast # down: 19
Cast # up: 19

Time	LOC	UTC
Begin:	00 34	
Bottom:	00 38	
End:	00 50	

START POSITION (GPS)
LAT: 4 8 15.702
LONG: 123 43 354

BOTTOM POSITION (GPS)
LAT: 4 8 15.744
LONG: 123 43 429

END POSITION (GPS)
LAT: 4 8 15.744
LONG: 123 43 686

Comments:

ROSETTE LOG

MISSION ID: 2005-25 STATION: ADCP CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 14/09/2005

MISSION ID: 2005-23				STATION: 110		ROSETTE OPERATION													
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	Sample Depth	Confirmed pressure	Samples taken													
						SAL	OXY	NUT	TCO	ALK	CI3	CHL	GFS	SP20	CO2	ph			
1	75	1192	2.150	BOT	✓	✓											✓		
2	76	1195	2.233	100	✓				✓✓										
3	77	1206	2.366	75	✓				✓✓										
4	78	1212	2.854	50	✓				✓✓										
5	79	1331	3.642	40	✓					✓✓									
6	86	1333	3.506	30	✓				✓✓	✓✓							✓✓		
7	81	1344	3.630	20	✓	✓			✓✓	✓✓				✓✓			✓✓		
8	82	1383	3.910	10	✓			✓	✓✓	✓✓							✓		
9	83	1384	4.632	5	✓			✓						✓✓		✓✓	✓✓	✓✓	
10	84	—	—	5	✓			✓	✓✓	✓✓				✓✓			✓		
11	85	1398	4.644	surf				✓	✓✓	✓✓	✓✓			✓✓					
12																			
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Comments:

SHIP:
ENTERED BY: MD
CHECKED BY:

Bottom Depth: 110

Cast # down:
Cast # up:

Time LOC UTC
Begin: 0502
Bottom: 0505
End: 0516

START POSITION (GPS)
LAT: 48 14 028
LONG: 123 18 006

BOTTOM POSITION (GPS)
LAT: 48 14 040
LONG: 123 18 072

END POSITION (GPS)
LAT: 48 14 029
LONG: 123 18 226

ROSETTE LOG

MISSION ID: 2005-28

STATION: 62

CAST NUMBER: 26

UTC DATE (dd/mm/yyyy): 14/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NOT		CO	HP	CI3	SP20					
						OXY	NOT	NOT	CI4	AK	SP5	CH	COO					
1	86	1137	2.110	80T	✓ 140	✓								✓				
2	87	1464	2.332	100	✓													
3	88	1465	2.966	75	✓													
4	89	1466	3.404	50	✓													
5	90	1467	3.567	40	✓													
6	91	1468	3.767	30	✓									✓				
7	92	1470	4.203	20	✓	✓								✓				
8	93	1471	4.378	10	✓									✓				
9	94	1473	4.398	5	✓									✓				
10	95			5	✓									✓				
11	96	1475	4.405	any	✓									✓				
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: ?

CHECKED BY: VF

Bottom Depth: 147

Cast # down: 26

Cast # up: 26

Time LOC UTC

Begin: 0847

Bottom: 0851

End: 0902

START POSITION (GPS)

LAT: 48° 22.770

LONG: 123° 2.608

BOTTOM POSITION (GPS)

LAT: 48° 22.746

LONG: 123 2.611

END POSITION (GPS)

LAT: 48 22.710

LONG: 123 2.725

ROSETTE LOG

MISSION ID: 2005-25

STATION: 65

CAST NUMBER: 27

UTC DATE (dd/mm/yyyy):

14/09/2005

MISSION ID: 2005-25				STATION: 05		SAMPLES TAKEN												
Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT										
							OXY	GIP	NH4			HPIC	CHL	SFS	SF20	CDM		
1	97	1477	2.163	Bot.	✓	115	✓	✓	✓	✓							✓	
2	98	1478	2.319	100	✓					✓								
3	99	1479	2.609	75	✓					✓								
4	100	1480	3.167	50	✓		✓			✓								
5	101	1481	3.305	40	✓								✓					
6	102	1482	3.538	30	✓					✓			✓					
7	103	1483	4.025	20	✓					✓			✓	✓			✓	
8	104	1484	4.476	10	✓					✓			✓	✓			✓	
9	105	1485	4.806	5	✓					✓			✓				✓	
10	106	—	—	5	✓								✓	✓	✓	✓		
11	107	1486	4.864	Surface	✓		✓		✓	✓			✓	✓			✓	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: VF
CHECKED BY:

Bottom Depth: 123

Cast # down: 27

Cast # up: 27

Time	LOC	UTC
Begin:		1000
Bottom:		1804
End:		1014

START POSITION (GPS)
LAT: 48 15.958
LONG: 123 9.905BOTTOM POSITION (GPS)
LAT: 48 15.995
LONG: 123 9.931END POSITION (GPS)
LAT: 48 16 115
LONG: 123 10.009

ROSETTE LOG

MISSION ID: 2005-25

STATION: 56

CAST NUMBER: 35

UTC DATE (dd/mm/yyyy): 14/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	NH4	CO2	CH4	SiO2	SiO2	SiO2	SiO2	SiO2	SiO2	
1	108	1346	—	Bot	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	DID NOT TRIP
2	109	1347	2.976	200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Sal @ Bot 2
3	110	1349	3.029	175	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	111	1351	3.031	150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	112	1352	3.144	125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	113	1353	3.316	100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	114	1354	3.366	75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	115	1356	3.558	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	COMPUTER TIMED OUT / 10 MIN
9	116	1358	IN FILE	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	REVERTS BACK TO BEGINNING
10	117	1360	3.584	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	HAVE TO REENTER PROGRAM
11	118	1361	3.745	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	"BIG HASSLE"
12	119	1362	4.137	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	120	1363	4.405	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	OXY DUPLICATION 5m
14	121	1364	4.379	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	empty bottle - no sample
15	122	1364	—	surf	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: —

CHECKED BY: VF

Bottom Depth: 211

Cast # down: 35

Cast # up: 35

Time ~~100~~ UTC

Begin: 1842

Bottom: 1846

End: 1901

START POSITION (GPS)

LAT: 48 46.447

LONG: 123 1.518

BOTTOM POSITION (GPS)

LAT: 48 46.570

LONG: 123 1.393

END POSITION (GPS)

LAT: 48 47.036

LONG: 123 0.997

ROSETTE LOG

MISSION ID: 2005-25 STATION: 46 CAST NUMBER: 48 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	CHL	GP	SPD					
1	123	—		BOT	✓	✓	—	—										
2	124	—		BOT	✓		—	—										
3	125	1466	3.039	BOT	✓		—	—										Replicate from NISKIN 4 labelled 125 for O2
4	126	1465	3.051	175	✓													
5	127	1467	3.051	150	✓								✓	✓				
6	128	1468	3.294	125	✓													
7	129	1470	3.350	100	✓													
8	130	1471	3.475	75	✓													
9	131	1473	3.782	50	✓													
10	132	1475	3.788	40	✓													
11	133	1474	3.803	30	✓	✓												
12	134	1477	3.802	20	✓													
13	135	1478	4.031	10	✓													No NH4 sample taken
14	136	1479	5.639	5	✓													
15	137	1480	5.651	5	✓													
16	138	1481	7.213	surf.			✓	✓	✓	✓	✓			✓				
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: wrong bottom depth 3 samples at bottom. BOT 1, 2, 3 covered for O2/WUT. #135 - No NH4 sample taken but when took sample gave chl drop.

SHIP: VECTOR
ENTERED BY: L.B.
CHECKED BY: UF

Bottom Depth: 179

Cast # down: 48
Cast # up: 48

Time	LOC	UTC
Begin:	242	
Bottom:	245	
End:	258	

START POSITION (GPS)
LAT: 48 51 386
LONG: 123 10 700

BOTTOM POSITION (GPS)
LAT: 48 51 373
LONG: 123 10 643

END POSITION (GPS)
LAT: 48 51 356
LONG: 123 10 453

ROSETTE LOG

MISSION ID: 2005-25 STATION: 42 CAST NUMBER: 50 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		DO		GL						
						OXY	S/P	NH4	HPO	ALK		CHL	SFS	SF2	CD	TP	MC	
1	139	1346	3.011	BOT	✓	✓												
2	140	1347	3.006	300	✓													
3	141	1349	3.040	250	✓													
4	142	1351	2.983	200	✓													
5	143	1353	3.024	175	✓													
6	144	1352	3.769	150	✓									✓				oxy-stir bar added late
7	145	1354	3.169	125	✓													called 154
8	146	1356	3.279	100	✓					vv								
9	147	1358	3.318	75	✓					vv								
10	148	1360	0.549 garbage	50	✓					vv								stir bar not added Odometer Zeroed
11	149	1361	3.427	40	✓							vv						
12	150	1362	3.541	30	✓					vv			vv					
13	151	1363	3.828	20	✓	✓				vv	vv		vv		✓			
14	152	1364	5.359	10	✓					vv	vv		vv		✓			
15	153	1367	6.080	5	✓					vv	vv	vv			✓			
16	154	1368	6.041	5	✓							vv	vv	vv		vv		
17	155	1371	6.861	surf	✓		✓	vv	vv	vv		vv			vv			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 322

Cast # down: 50
Cast # up: 50

Time	LOC	UTC
Begin:	2013	513
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 01.818
LONG: 123 26.176

BOTTOM POSITION (GPS)
LAT: 49 01 75
LONG: 123 26 066

END POSITION (GPS)
LAT: 49 01 618
LONG: 123 123 2589

ROSETTE LOG

MISSION ID: 2005-25 STATION: 39 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		DO	CHL	er3	SF20					
							OXY		NO ₃	NO ₂	ALK	SF5	CHL	CDOM				
1	156	1346	3.156	801-10	✓ 370	✓												
2	157	1347	2.934	350	✓													
3	158	1349	2.996	300	✓													
4	159	1351	3.079	250	✓													
5	160	1353	3.064	200	✓													
6	161	1352	3.097	175	✓													
7	162	1354	3.139	150	✓								✓					
8	163	1356	3.148	125	✓													
9	164	1358	3.206	100	✓			✓✓	✓✓									
10	165	1360	3.372	75	✓				✓✓									
11	166	1361	3.497	50	✓				✓✓									
12	167	1362	3.604	40	✓						✓✓							
13	168	1363	3.851	30	✓				✓✓		✓✓							
14	169	1364	4.142	20	✓	✓			✓✓	✓✓	✓✓		✓					
15	170	1367	6.251	10	✓				✓✓	✓✓	✓✓		✓✓					
16	171	1368	5.939	5	✓			✓✓	✓✓		✓✓		✓					
17	172	1373	6.027	5	✓					✓✓		✓✓	✓✓					
18	173	1371	6.256	0	✓			✓	✓✓	✓✓	✓✓		✓					
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: NR
CHECKED BY: VF

Bottom Depth: 376

Cast # down: 54
Cast # up: 54

Time	LOC	UTC
Begin:		0924
Bottom:		0933
End:		0953

START POSITION (GPS)
LAT: 49 9.762
LONG: 123 32.999

BOTTOM POSITION (GPS)
LAT: 49 9.754
LONG: 123 33.030

END POSITION (GPS)
LAT: 49 9.788
LONG: 123 33.107

ROSETTE LOG

MISSION ID: 2005-25 STATION: 27 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		100		013						
						OXY	G/P			NH4	ALK		CHL	SFS	SF20	HPLC	C10H	
1	174	1137	2.988	Bottom	✓ 335	✓	✓	✓	✓									
2	175	1464	2.969	300	✓													
3	176	1465	3.015	250	✓													
4	177	1466	2.991	200	✓													
5	178	1467	2.820	175	✓													
6	179	1468	2.871	150	✓												✓	
7	180	1470	3.146	125	✓													
8	181	1471	3.170	100	✓					✓	✓							
9	182	1475	3.201	75	✓					✓	✓							
10	183	1473	3.269	50	✓					✓	✓							
11	184	1474	3.284	40	✓	✓							✓					
12	185	1477	3.341	30	✓					✓			✓					
13	186	1478	3.292	20	✓					✓			✓			✓	✓	
14	187	1479	4.719	10	✓					✓			✓			✓	✓	
15	188			5	✓	No. Sample				✓						✓	✓	DID NOT TRIGGER
16	189	1481	5.736	5	✓					✓			✓	✓	✓	✓	✓	
17	190	1482	6.534	Surface	✓					✓			✓			✓	✓	
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: 0019 did not fire

SHIP: VECTOR
ENTERED BY: VF
CHECKED BY: VF

Bottom Depth: 346

Cast # down: 57
Cast # up: 57

Time	LOC	UTC
Begin:	13.32	
Bottom:	13.39	
End:	13.56	

START POSITION (GPS)
LAT: 49 19 17.5
LONG: 123 47 999

BOTTOM POSITION (GPS)
LAT: 49 19 10.4
LONG: 123 48 011

END POSITION (GPS)
LAT: 49 19 019
LONG: 123 48 217

ROSETTE LOG

MISSION ID: 2005-25 STATION: 2 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SF5	GH3	HPIL					
							OXY		PH	CHL	AT SF2	CHL	CDM	PHC				
1	191	1137	2.988	Bottom	✓	✓												
2	192	1464	2.939	250	✓													
3	193	1465	2.844	200	✓													
4	194	1466	2.918	175	✓													
5	195	1467	2.948	150	✓								✓					
6	196	1468	3.086	125	✓													
7	197	1470	3.254	100	✓				✓✓									
8	198	1471	3.261	75	✓				✓✓									
9	199	1473	3.281	50	✓				✓✓									
10	200	1475	3.393	40	✓					✓✓								entered 49 m.??
11	201	1474	3.558	30	✓				✓✓	✓✓				✓✓	✓			
12	202	1477	4.172	20	✓	✓			✓✓	✓✓				✓✓	✓✓			
13	203	1478	5.743	10	✓				✓✓	✓✓				✓✓	✓✓			
14	204	1479	6.356	5	✓		✓	✓✓	✓✓	✓✓					✓			
15	205	1 —	—	5	✓													NO SAMPLES
16	206	1480	6.362	5	✓		✓			✓✓	✓✓	✓✓	✓✓	✓✓	✓✓			
17	207	1481	6.514	surface	✓		✓	✓✓	✓✓	✓✓			✓✓	✓				
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Bot 15 not firing consistently & not used

SHIP: Vector
ENTERED BY:
CHECKED BY: AP

Bottom Depth: 275

Cast # down: 62
Cast # up: 62

Time	LOC	UTC
Begin:		<u>1749</u>
Bottom:		<u>1755</u>
End:		

START POSITION (GPS)
LAT: 49 24 079
LONG: 124 09 341

BOTTOM POSITION (GPS)
LAT: 49 24 035
LONG: 124 09 257

END POSITION (GPS)
LAT: 49 24
LONG: 124 09

ROSETTE LOG

MISSION ID: 2005-25 STATION: 3 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken															
				Sample Depth	Confirmed pressure	SAL		NUT		TEO	ST5	C13	APLO								
							OXY		NH4	CHL	ALK	STO	CHL	TEMP							
1	208	572	2.944	Bot-16	✓		✓		✓✓												
2	209	364	2.914	300	✓				✓✓												
3	210	708	2.880	250	✓				✓✓												
4	211	657	2.841	200	✓				✓✓												
5	212	709	2.937	175	✓				✓✓												
6	213	727	2.951	150	✓				✓✓						✓						
7	214	715	3.140	125	✓				✓✓												
8	215	1105	3.150	100	✓				✓✓✓✓												
9	216	1126	3.197	75	✓				✓✓✓✓												
10	217	1110	3.279	50	✓				✓✓✓✓												
11	218	1130	3.335	40	✓				✓✓	✓✓											
12	219	1128	3.438	30	✓				✓✓	✓✓	✓✓										
13	220	1135	3.610	20	✓		✓		✓✓	✓✓	✓✓			✓✓	✓						
14	221	1134	4.225	10	✓			✓	✓✓	✓✓	✓✓			✓✓	✓						
15	222			5	✓				NO SAMPLES												NO SAMPLES
16	223	1136	6.261	5	✓				✓✓	✓✓	✓✓				✓						
17	224	1138	6.466	5	✓						✓✓	✓✓	✓✓								
18	225	1142	6.654	0	✓			✓	✓✓	✓✓	✓✓			✓✓	✓✓						
19																					
20																					
21																					
22																					
23																					
24																					

Comments: TESTING BOTTLE 15 - NO SAMPLES FAULTY

SHIP: VECTOR
ENTERED BY: V. FORSLANDT
CHECKED BY: V.F.

Bottom Depth: 320

Cast # down: 68
Cast # up: 68

Time ~~100~~ UTC
Begin: 2050
Bottom: 2056
End: 2114

START POSITION (GPS)
LAT: 49° 26.610
LONG: 124° 20.154

BOTTOM POSITION (GPS)
LAT: 49° 26.616
LONG: 124° 20.180

END POSITION (GPS)
LAT: 49° 26.604
LONG: 124° 20.341

ROSETTE LOG

MISSION ID: 2005-25

STATION: 6

CAST NUMBER: 72

UTC DATE (dd/mm/yyyy): 15/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT										
							OXY	GP	NH4					CHL	SF5	SF20	HPIC	CDOM
1	226	1158	2.864	Bottom	✓	185	✓	✓	✓									
2	227	1175	2.969	150	✓													✓
3	228	1176	3.094	125	✓													
4	229	1385	3.192	100	✓				✓	✓								
5	230	1389	3.197	75	✓				✓	✓								
6	231	1386	3.220	50	✓				✓	✓								
7	232	1146	3.432	40	✓		✓						✓	✓				
8	233	1391	3.592	30	✓				✓	✓			✓	✓				
9	234	1393	3.767	20	✓				✓	✓			✓	✓			✓	✓
10	235	1394	4.265	10	✓				✓	✓			✓	✓			✓	✓
11	236	1397	5.747	5	✓				✓	✓							✓	✓
12	237	1434	5.651	5	✓								✓	✓	✓	✓		
13	238	—	NO SAMPLE	0				▼	▼	✓			✓	✓			✓	✓
14																		BOTTLE HUNG-UP
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

B OT 13 didn't trigger

SHIP: VECTOR

ENTERED BY: V. FORSLAND

CHECKED BY: LB

Bottom Depth: 191

Cast # down: 72

Cast # up: 72

Time ~~100~~ UTC

Begin: 23:21

Bottom: 23:25

End: 23:37

START POSITION (GPS)

LAT: 49 30 630

LONG: 124 28 001

BOTTOM POSITION (GPS)

LAT: 49 30 642

LONG: 124 28 043

END POSITION (GPS)

LAT: 49 30 690

LONG: 124 28 068

ROSETTE LOG

MISSION ID: 2005-25 STATION: 9 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 16/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Phyto	
				Sample Depth	Confirmed pressure	SAL		NUT		PO4		CHL							
1	239	1476	2.480	Bottom	✓		✓	✓	✓✓										
2	240	1464	2.412	150	✓													✓	
3	241	1465	2.723	125	✓														
4	242	1466	2.843	100	✓				✓✓										
5	243	1467	3.118	75	✓				✓✓										
6	244	1468	3.159	50	✓		✓		✓✓										
7	245	1470	3.254	40	✓								✓✓						
8	246	1471	3.365	30	✓				✓✓				✓✓						
9	247	1473	3.672	20	✓				✓✓				✓✓				✓✓	✓	
10	248	1474	4.835	10	✓				✓✓				✓✓				✓✓	✓✓	
11	249	1475	6.930	5	✓				✓✓								✓✓	✓	✓✓✓
12	250	1477	6.846	5	✓								✓✓	✓✓	✓✓				
13	251	1478	7.528	Surface	✓			▼	▼	✓✓			✓✓				✓✓	✓	
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: Bot 49 NUTS - no sample

SHIP: VECTOR
ENTERED BY: VFOISLAND
CHECKED BY: LB

Bottom Depth: 169

Cast # down: 75
Cast # up: 75

Time	LOC	UTC
Begin:	141	
Bottom:	144	
End:	156	

START POSITION (GPS)
LAT: 49 35 510
LONG: 124 38 394

BOTTOM POSITION (GPS)
LAT: 49 35 525
LONG: 124 38 305

END POSITION (GPS)
LAT: 49 35 519
LONG: 124 38 370

ROSETTE LOG

MISSION ID: 2005-25 STATION: 12 CAST NUMBER: 77 UTC DATE (dd/mm/yyyy): 16/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SFS	CH	HPIC					
							OXY		NH ₄	CHL	ADK	SFD	CHL	DM				
1	252	1346	2.860	Bottom	✓ 340	✓												
2	253	1347	2.868	300	✓													
3	254	1349	2.879	250	✓													
4	255	1351	2.935	200	✓													
5	256	1352	2.898	175	✓													
6	257	1353	2.930	150	✓								✓					
7	258	1354	2.923	125	✓													flakes
8	259	1356	2.720	100	✓				✓	✓								
9	260	1358	3.024	75	✓				✓	✓								
10	261	1360	3.154	50	✓				✓	✓								
11	262	1361	3.208	40	✓	✓				✓	✓							
12	263	1362	3.352	30	✓				✓	✓	✓							
13	264	1363	3.415	20	✓				✓	✓	✓		✓	✓				plankton
14	265	1364	3.893	10	✓			✓	✓	✓	✓		✓	✓	✓			
15	266	-	-	5	✓		✓	✓	✓	✓			✓	✓				
16	267	1367	4.875	5	✓					✓	✓	✓	✓	✓				
17	268	1368	7.159	Surf			✓	✓	✓	✓			✓	✓	✓			
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Note: bottle 15 did not fire, took samples from bottle 16 instead.

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 357

Cast # down: 77
Cast # up: 77

Time	LOC	UTC
Begin:	2045	345
Bottom:	2052	352
End:		

START POSITION (GPS)
LAT: 49 43 578
LONG: 124 40 781

BOTTOM POSITION (GPS)
LAT: 49 43 518
LONG: 124 40 836

END POSITION (GPS)
LAT: 49 43 639
LONG: 124 40 861

ROSETTE LOG

MISSION ID: 2005-25 STATION: 14 CAST NUMBER: 80 UTC DATE (dd/mm/yyyy): 16/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO	SFS	CB	HPLC					
							OXY		NH4	CHL	ALK	SS-20	CHL	CDT	PH40		Photo	
1	269	1347	2.820	805	✓	305	✓											
2	270	1348	2.769	250	✓													
3	271	1349	2.851	200	✓													
4	272	1351	2.905	175	✓													
5	273	1352	2.904	150	✓									✓				
6	274	1353	3.000	125	✓													
7	275	1356	2.934	100	✓				✓✓									
8	276	1354	2.875	75	✓				✓✓									
9	277	1360	3.433	50	✓				✓✓									
10	278	1358	3.368	40	✓					✓✓								
11	279	1361	3.568	30	✓				✓✓	✓✓								
12	280	1362	3.724	20	✓	✓			✓✓	✓✓			✓✓	✓✓				
13	281	1363	4.004	10	✓				✓✓	✓✓			✓✓	✓				
14	282	1364	4.836	5	✓				✓✓	✓✓			✓✓	✓	✓✓		✓✓	
15	283			5	✓													
16	284	1367	4.952	5	✓				✓✓		✓✓	✓✓		✓				
17	285	1368	6.552	Surface	✓		✓	✓		✓✓			✓✓					
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY:
CHECKED BY: VF

Bottom Depth: 314

Cast # down: 80
Cast # up: 80

Time ~~LOC~~ UTC
Begin: 0734
Bottom: 0740
End: 0800

START POSITION (GPS)
LAT: 49 53.009
LONG: 124 59.540

BOTTOM POSITION (GPS)
LAT: 49 53.027
LONG: 124 59.486

END POSITION (GPS)
LAT: 49 53.142
LONG: 124 59.537

Comments: - samples shifted as bottle 15 not tripping - last minute -

ROSETTE LOG

MISSION ID: 2005-25 STATION: 16 CAST NUMBER: 84 UTC DATE (dd/mm/yyyy): 16/09/2005

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		100		15						
							OXY	G/P	NH4		ATC		CHL	SFS	SF20	HPS	CDOM	
1	286	1373	2.858	Bottom	✓	145	✓	✓	✓✓									
2	287	1371	2.908	125	✓												✓	
3	288	1374	2.950	100	✓				✓✓									
4	289	1375	3.082	75	✓			▼	✓✓									
5	290	1376	3.182	50	✓		✓		✓✓	✓✓								
6	291	1378	3.001	40	✓				✓✓				✓✓					
7	292	1379	3.168	30	✓				✓✓				✓✓					
8	293	1380	3.257	20	✓				✓✓				✓✓			✓✓	✓✓	
9	294	1381	3.391	10	✓				✓✓				✓✓			✓✓	✓	
10	295	1382	3.348	5	✓			▼	✓✓					✓✓	✓✓			
11	296	1366	3.435	5	✓								✓✓			✓✓	✓	
12	297	1326	3.581	surface	✓			▼	▼	✓✓			✓✓			✓✓	✓	
13																		
14																		
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22																		
23																		
24																		

Comments: HPLC: no. 10 bottle 10 min sample, please send no bottle 12 sample - looks like it doesn't

SHIP: VECTOR

ENTERED BY: VF

CHECKED BY: D Timothy

Bottom Depth: 155

Cast # down: 84

Cast # up: 84

Time ~~100~~ UTC

Begin: 1126

Bottom: 1130

End: 1141

START POSITION (GPS)

LAT: 4957.732

LONG: 12557.08

BOTTOM POSITION (GPS)

LAT: 4957.719

LONG: 12587.00

END POSITION (GPS)

LAT: 4957.822

LONG: 12588.09