

ROSETTE LOG

MISSION ID: 2603-24 STATION: 59 CAST NUMBER: 4 UTC DATE (dd/mm/yyyy): 16/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken										
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		DO	TK	
							OXY			ALK		CHL				
1	1	535	3.709	BOTTOM	✓ 212	↓								✓	✓	O ₂ high
2	2	364	3.505	200	✓ 200	↓										
3	3	572	3.812	175	✓ 175											
4	4	657	3.999	150	✓ 152											
5	5	707	4.127	125	✓ 125											
6	6	708	4.276	100	✓ 100											
7	7	709	4.364	75	✓ 74.5									✓	✓	
8	8	715	4.325	50	✓ 49.75											
9	9	727	4.344	40	✓ 40											
10	10	1105	4.343	30	✓ 30									✓	✓	
11	11	1110	4.361	20	✓ 20									✓	✓	
12	12	1126	4.432	10	✓ 10											
13	13	1128	4.536	5	✓ 4.9											
14	14	1130	4.654	0	0	↓	↓							✓	✓	computer did not register that Bot 14 fired, but it did.
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Vector
ENTERED BY: LIZPHE
CHECKED BY:

Bottom Depth: 227

Cast # down: 4
Cast # up: 4

Time	LOC	UTC
Begin:		00:05
Bottom:		00:11
End:		00:25

START POSITION (GPS)
LAT: 48 37 50
LONG: 123 14 70

BOTTOM POSITION (GPS)
LAT: 48 37 88
LONG: 123 14 75

END POSITION (GPS)
LAT: 48 38 40
LONG: 123 15 08

ROSETTE LOG

MISSION ID: 2003-24 STATION: 62 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 17/06/03

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3		DO		DO		
1	15	1134	3.549	Bot	141									✓	✓			
2	16	1135	3.769	125	125													
3	17	1136	3.917	100	101													
4	18	1137	4.174	75	75									✓	✓			*few black particles in O2 sample.
5	19	1138	4.366	50	50													
6	20	1142	4.440	40	40													
7	21	1146	4.439	30	30											✓		
8	22	1153	4.580	20	20									✓	✓			
9	23	1158	4.777	10	10													
10	24	1175	4.887	5														
11	25	1176	5.035	surface										✓	✓			black floatie bits
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: SJ
CHECKED BY:

Bottom Depth: 260?

Cast # down: 07
Cast # up: 07

Time	LOC	UTC
Begin:		03:35
Bottom:		03:41
End:		03:57

START POSITION (GPS)
LAT: 48 22 73
LONG: 123 255

BOTTOM POSITION (GPS)
LAT: 48 22 73
LONG: 123 227

END POSITION (GPS)
LAT: 48 22 72
LONG: 123 206

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 102 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 17/06/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL	Toc	Toc			
1	26	1188	1.854	bottom	✓	2145	✓							✓	✓			
2	27	1192	1.838	200	✓	200	✓											
3	28	1195	1.899	175	✓	175								✓	✓			
4	29	1206	2.186	150	✓	150												
5	30	1212	2.489	125	✓	124.5												
6	31	1216	2.889	100	✓	100												
7	32	1223	3.272	75	✓	74.5								✓	✓			
8	33	1224	3.859	50	✓	50												
9	34	1225	3.861	40	✓	40												
10	35	1228	3.991	30	✓	30												
11	36	1233	4.956	20	✓	20								✓	✓			brown floatie bit in O2 sample
12	37	1235	5.444	10	✓	10												
13	38	1237	5.978	5	✓	5												
14	39	1238	5.963	Surface	✓	0								✓	✓			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: JH
CHECKED BY:

Bottom Depth:

Cast # down: 9
Cast # up: 9

Time	LOC	UTC
Begin:	14:30	
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 20 07
LONG: 124 43 99

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 75 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 17/06/2003

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	40	1231	1.885	bottom	✓	219												
2	41	1241	1.903	200	✓	200												
3	42	1247	1.895	175	✓	173												
4	43	1248	1.915	150	✓	150												
5	44	1256	2.046	125	✓	125												
6	45	1258	2.852	100	✓	101												
7	46	1260	3.584	75	✓	75												
8	47	1267	4.688	50	✓	50												bubble in flask
9	48	1268	5.033	40	✓	40												
10	49	1270	5.147	30	✓	31												
11	50	1271	5.416	20	✓	21												
12	51	1272	5.699	10	✓	10												
13	52	1276	6.899	5	✓	5												
14	53	1273	6.848	surface	✓	0												copepod in flask
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Victor
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 222

Cast # down: 16
Cast # up:

Time	LOC	UTC
Begin:		1920
Bottom:		1925
End:		1942

START POSITION (GPS)
LAT: 48° 28.13
LONG: 124° 32.76

BOTTOM POSITION (GPS)
LAT: 10
LONG: 76

END POSITION (GPS)
LAT: 29.90
LONG: 59

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 72 CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 17/06/2003

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	54	535	2.061	bottom	✓	185		✓										
2	55	364	1.981	175	✓	175												
3	56	572	1.970	150	✓	149												
4	57	657	1.985	125	✓	125												
5	58	707	2.312	100	✓	100												
6	59	709	3.056	75	✓	75												
7	60	709	3.844	50	✓	50												
8	61	715	4.080	40	✓	40												
9	62	727	4.380	30	✓	30												
10	63	1105	4.643	20	✓	20												
11	64	1110	5.071	10	✓	10												
12	65	1126	5.207	5	✓	5												
13	66	1129	5.239	0	✓	surf		✓										
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST.
CHECKED BY:

Bottom Depth: 192

Cast # down: 18
Cast # up: 18

Time	LOC	UTC
Begin:		22 49
Bottom:		22 54
End:		23 07

START POSITION (GPS)
LAT: 48 18 61
LONG: 124 03 87

BOTTOM POSITION (GPS)
LAT: 48 18 60
LONG: 124 03 65

END POSITION (GPS)
LAT: 48 18 56
LONG: 124 03 33

ROSETTE LOG

MISSION ID: 2003-24

STATION: 69

CAST NUMBER: 19

UTC DATE (dd/mm/yyyy): 18/6/2003

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	67	1130	2.054	100	✓ 166													
2	68	1134	2.113	150	✓ 150													*put in sample #70
3	69	1135	2.130	125	✓ 125													not 68 (Oxy) S.T.
4	70	1136	2.758	100	✓ 100													✓ Fixed in oxy flask
5	71	1137	3.603	75	✓ 75													
6	72	1138	3.730	50	✓ 50													
7	73	1142	3.771	40	✓ 40													
8	74	1146	3.934	30	✓ 30													
9	75	1153	3.989	20	✓ 20													
10	76	1158	4.197	10	✓ 10													
11	77	1175	4.256	5	✓ 5													
12	78	1176	4.293	0	✓ surf													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: TP

CHECKED BY: P.

Bottom Depth: 166

Cast # down: 21

Cast # up: 21

Time	LOC	UTC
Begin:	1:42	
Bottom:	1:47	
End:	1:58	

START POSITION (GPS)

LAT: 48 15 55

LONG: 123 43 04

BOTTOM POSITION (GPS)

LAT: 48 15 48

LONG: 123 43 04

END POSITION (GPS)

LAT: 48 15 25

LONG: 123 42 67

ROSETTE LOG

MISSION ID: 2003-24 STATION: ADCP CAST NUMBER: 24 UTC DATE (dd/mm/yyyy): 18/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		D04				
1	79	1322	2.641	800		106								✓	✓			Ship heaving, so
2	80	1323	2.613	100	✓													didn't try to get
3	81	1324	2.702	75		75								✓	✓			very close to the bottom
4	82	1325	3.224	50		50												
5	83	1326	3.314	40		40												
6	84	1327	3.496	30		30												
7	85	1328	3.578	20		20								✓	✓			
8	86	1329	3.738	10		10												
9	87	1331	4.191	5		6												
10	88	1332	4.526	0		1								✓	✓			
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: SM
CHECKED BY:

Bottom Depth: 120

Cast # down: 24
Cast # up:

Time	LOC	UTC
Begin:		0425
Bottom:		0428
End:		0439

START POSITION (GPS)
LAT: 48°13.95
LONG: 123°17.90

BOTTOM POSITION (GPS)
LAT: 48°13.94
LONG: 123°17.85

END POSITION (GPS)
LAT: 48°13.85
LONG: 123°17.89

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 65 CAST NUMBER: 28 UTC DATE (dd/mm/yyyy): 18/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken											
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Toc		CAFFEINE	
							OXY				ALK		CHL		Doc		
1	89	1333	2.916	bottom	✓	122								✓	✓		} forgot to change station name from ADCP to 65 (Oxy) ST.
2	90	1334	3.072	100	✓	100											
3	91	1335	3.406	75	✓	74								✓	✓		
4	92	1336	3.811	50	✓	50										✓	
5	93	1337	3.859	40	✓	40											
6	94	1338	3.883	30	✓	30											
7	95	1340	4.088	20	✓	20								✓	✓		
8	96	1341	4.723	10	✓	10											
9	97	1342	4.868	5	✓	5											
10	98	1344	4.903	surface	✓	0								✓	✓		
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 128

Cast # down: 28

Cast # up:

Time	LOC	UTC
Begin:		0739
Bottom:		0742
End:		

START POSITION (GPS)
LAT: 48°16.05
LONG: 123°09.80

BOTTOM POSITION (GPS)
LAT: 48°16.09
LONG: 123°09.85

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 56 CAST NUMBER: 36 UTC DATE (dd/mm/yyyy): 18/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Toc				
							OXY			ALK		CHL		Dac				
1	99	1322	4.182	BOT	✓ 203	↓								✓	✓			O ₂ too high
2	100	1323	4.063	200	✓ 200													
3	101	1324	4.150	175	✓													
4	102	1325	4.238	150	✓									✓	✓			
5	103	1326	4.413	125	✓													
6	104	1327	4.446	100	✓													
7	105	1328	4.479	75	✓									✓	✓			
8	106	1329	4.475	50	✓													
9	107	1331	4.562	40	✓													
10	108	1332	4.543	30	✓													Collected replicate sample from bottle 10 to check difference - O ₂ sampling between 50 plus & down
11	109	1333	4.694	20	✓									✓	✓			
12	110	1334	4.801	10	✓													
13	111	1335	4.815	5	✓													
14	112	1336	4.806	0	✓			✓	✓					✓	✓			
15	999	1337	4.536	30														
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: SM
CHECKED BY:

Bottom Depth: 206

Cast # down: 36

Cast # up:

Time	LOC	UTC
Begin:		1711
Bottom:		1716
End:		1729

START POSITION (GPS)
LAT: 48° 46' 41"
LONG: 123° 01' 67"

BOTTOM POSITION (GPS)
LAT: 48° 46' 38"
LONG: 123° 01' 65"

END POSITION (GPS)
LAT: 48° 46' 37"
LONG: 123° 01' 69"

Comments: 9 All O₂ samples had some clumps - need to be shaken better 8-12 shift! (minor)

ROSETTE LOG

MISSION ID: 2003-24 STATION: 46 CAST NUMBER: 43 UTC DATE (dd/mm/yyyy): 18/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	113	1322	3.949	bottom	✓ 170		X	xy										
2	114	1323	4.253	150	✓													
3	115	1324	4.422	125	✓													
4	116	1325	4.516	100	✓													
5	117	1326	4.514	75	✓													
6	118	1327	4.712	50	✓			rep										
7	119	1328	4.902	40	✓													
8	120	1329	4.916	30	✓													
9	121	1331	5.037	20	✓													
10	122	1332	5.552	10	✓													
11	123	1333	5.796	5	✓													
12	124	1334	7.268	0														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 181

Cast # down: 43
Cast # up:

Time	LOC	UTC
Begin:		2235
Bottom:		2238
End:		2249

START POSITION (GPS)
LAT: 48°51'39"
LONG: 123°10'85"

BOTTOM POSITION (GPS)
LAT: 48°51'41"
LONG: 123°10'87"

END POSITION (GPS)
LAT: 48°51'
LONG: 123°10'

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 42 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 19/06/2003

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	125	1335	2.564	BOT	✓	315												Stinky, red
2	126	1336	2.601	300	✓	300												jellyfish tentacles
3	127	1338	2.970	250	✓	250												fastened (though
4	128	1337	3.548	200	✓	200												thinly) the rosette.
5	129	1340	3.704	175	✓	175												There may have been
6	130	1341	4.006	150	✓	150												some in the bottles.
7	131	1342	4.494	125	✓	125												
8	132	1344	4.631	100	✓	100												
9	133	1345	4.767	75	✓	75												
10	134	1346	4.631	50	✓	50												
11	135	1347	4.569	40	✓	40												
12	136	1348	4.572	30	✓	30												
13	137	1349	4.484	20	✓	20												black floatie thing in flask
14	138	1350	4.409	10	✓	10												
15	139	1351	5.763	5	✓	5												
16	140	1352	6.330	0	✓	0												Poor end-point low %OT
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector

ENTERED BY: JH

CHECKED BY:

Bottom Depth: 315

Cast # down: 46

Cast # up: 46

Time	LOC	UTC
Begin:	01:32	
Bottom:	01:37	
End:	01:52	

START POSITION (GPS)

LAT: 49 17 8

LONG: 123 26 22

BOTTOM POSITION (GPS)

LAT: 49 17 9

LONG: 123 26 25

END POSITION (GPS)

LAT: 49 18 6

LONG: 123 26 31

Comments: * #125 - poorly defined endpoint & unstable endpoint
* #140 - warning came up -> "transmission > 5.0"

ROSETTE LOG

MISSION ID: 2003-24 STATION: 39 CAST NUMBER: 49 UTC DATE (dd/mm/yyyy): 19/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		TOC		CAPRE/MS		
							OXY				ALK		CHL		DOC			
1	141	535	2.480	200	367	↓								✓	✓		O ₂ high	
2	142	364	2.359	250	350	↓												
3	143	572	2.662	300	300													
4	144	657	3.515	250	250													
5	145	707	3.617	200	201											OK	(went over 100%)	
6	146	708	4.067	175	175												rezeroed color.	
7	147	709	4.233	150	150									✓	✓			
8	148	715	4.548	125	125													
9	149	727	4.655	100	100													
10	150	1105	4.681	75	76									✓	✓			
11	151	1110	4.515	50	50											✓	took capillary samples before nuts	
12	152	1126	4.444	40	40													
13	153	1128	4.523	30	30													
14	154	1130	4.529	20	20									✓	✓			
15	155	1134	6.340	10	10													
16	156	1135	7.718	5	5	↓	↓											
17	157	—		0	-1.41												Surface bottle didn't fire.	
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

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

Bottom Depth: 378

Cast # down: 49
Cast # up:

Time	LOC	UTC
Begin:		0357
Bottom:		0405
End:		0423

START POSITION (GPS)
LAT: 49.69.85
LONG: 123.32.88

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 27 CAST NUMBER: 54 UTC DATE (dd/mm/yyyy): 19/06/2003

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	158	1137	2.619	bottom	✓ 355													
2	159	1138	2.985	300	✓ 300													
3	160	1142	3.316	250	✓ 251													
4	161	1146	3.775	200	✓ 201													
5	162	1153	3.492	175	✓ 175													copepod in sample
6	163	1158	4.028	150	✓ 151													
7	164	1175	4.302	125	✓ 125													
8	165	1176	4.491	100	✓ 100													
9	166	1188	4.738	75	✓ 75													
10	167	1192	4.599	50	✓ 49													
11	168	1195	4.612	40	✓ 39													
12	169	1206	4.470	30	✓ 30													
13	170	1212	4.439	20	✓ 20													
14	171	1216	4.514	10	✓ 10													
15	172	1223	8.155	5	✓ 5													
16	173	1224	8.112	surface	✓ 0													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 360

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0930
Bottom:		0937
End:		

START POSITION (GPS)
LAT: 49°19.07
LONG: 123°48.09

BOTTOM POSITION (GPS)
LAT: 49°18.99
LONG: 123°48.15

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 2 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 19/06/2003

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	174	1225	2.591	130	✓	274												
2	175	1228	2.577	250	✓	250												
3	176	1233	3.211	200	✓	200												
4	177	1235	3.485	175	✓	175												
5	178	1237	3.666	150	✓	150												
6	179	1238	4.067	125	✓	125												
7	180	1231	4.477	100	✓	100												
8	181	1241	4.448	75	✓	75												
9	182	1247	4.286	50	✓	50												air bubbles in flask
10	183	1248	4.355	40	✓	40												
11	184	1256	4.516	30	✓	30												
12	185	1258	5.502	20	✓	20												
13	186	1260	6.810	10	✓	10												
14	187	1267	6.808	5	✓	5												
15	188	1268	7.108	0	✓	0												
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 274

Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:	13	26
Bottom:		
End:	13	44

START POSITION (GPS)
LAT: 49 24 10
LONG: 124 9 36

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT: 49 24 02
LONG: 124 12 17

ROSETTE LOG

MISSION ID: 2003-24 STATION: 3 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 19/06/2003

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	189	535	2.541	BOT	307	1												No TOC/DOC @
2	190	364	2.485	300	301	↓												this station
3	191	572	2.673	250	251													
4	192	657	3.081	300	200													
5	193	107	3.528	175	175													
6	194	708	3.852	150	150													
7	195	709	4.009	125	125													
8	196	715	4.630	100	100													-high O2 value. No explanation.
9	197	727	4.027	75	75													
10	198	1105	4.146	50	50													
11	199	1110	4.246	40	40													
12	200	1126	4.330	30	30													
13	201	1128	4.958	20	20													
14	202	1130	4.880	10	10													
15	203	1134	7.676	5	5			↓	↓									
16	204	1135	7.456	surface	-1.07			↓	↓									
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: 8
CHECKED BY:

Bottom Depth: 325

Cast # down: 61
Cast # up:

Time	LOC	UTC
Begin:		1547
Bottom:		
End:		

START POSITION (GPS)
LAT: 49° 26' 61
LONG: 124° 20' 16

BOTTOM POSITION (GPS)
LAT: 49° 26' 67
LONG: 124° 20' 24

END POSITION (GPS)
LAT:
LONG:

ROSETTE LOG

MISSION ID: 2003 24 STATION: 6 CAST NUMBER: 63 UTC DATE (dd/mm/yyyy): 20/06/2003

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	205	1136	3.067	bottom	✓	185												
2	206	1137	3.095	175	✓	175												
3	207	1138	4.041	150	✓	150												
4	208	1142	4.087	125	✓	125												
5	209	1146	4.005	100	✓	100												
6	210	1153	4.135	75	✓	75												
7	211	1158	4.465	50	✓	50												
8	212	1175	4.501	40	✓	40												
9	213	1176	4.429	30	✓	30												
10	214	1188	5.332	20	✓	20												
11	215	1192	9.442	10	✓	10												
12	216	1195	7.481	5	✓	5												
13	217	1206	7.353	surface	✓	surf												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: Rosette
CHECKED BY:

Bottom Depth: 185

Cast # down: 63
Cast # up: 63

Time	LOC	UTC
Begin:	<u>1:31</u>	
Bottom:	<u>1:35</u>	
End:		

START POSITION (GPS)
LAT: 49 30 58
LONG: 124 27 85

BOTTOM POSITION (GPS)
LAT: 49 30 53
LONG: 124 27 87

END POSITION (GPS)
LAT: 49 30 63
LONG: 124 27 91

Comments:

ROSETTE LOG

MISSION ID: 2003-24 STATION: 9 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 20/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		Tox				
							OXY			ALK		CHL		Tox				
1	218	1322	2.838	130T	166									✓	✓			
2	219	1323	3.005	150	150									✓	✓			
3	220	1324	3.750	125	126													
4	221	1325	4.160	100	100									✓	✓			
5	222	1326	4.012	75	75													
6	223	1327	4.252	50	50													
7	224	1328	4.280	46	40													
8	225	1329	4.519	30	30													
9	226	1331	6.308	20	20									✓	✓			
10	227	1332	6.436	10	10													
11	228	1333	7.178	5	5													
12	229	1334	7.146	0	-1.07			✓	✓					✓	✓			
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: 88
CHECKED BY:

Bottom Depth: 169

Cast # down: 66
Cast # up:

Time	LOC	UTC
Begin:		0404
Bottom:		0408
End:		0419

START POSITION (GPS)
LAT: 49° 35.47' N
LONG: 124° 38.28' W

BOTTOM POSITION (GPS)
LAT: 49° 35.45' N
LONG: 124° 38.35' W

END POSITION (GPS)
LAT: 49° 35.50' N
LONG: 124° 38.27' W

ROSETTE LOG

MISSION ID: 2003-24 STATION: 12 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 20/06/2003

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	230			Bottom														emptied by mistake
2	231	1336	2.827	300	✓													(don't ask)
3	232	1338	2.994	250	✓													
4	233	1337	3.347	200	✓													
5	234	1340	3.549	175	✓													
6	235	1341	3.739	150	✓													larval polychaete in flask
7	236	1342	4.187	125	✓													
8	237	1344	4.292	100	✓													larval polychaete in flask
9	238	1345	4.345	75	✓													
10	239	1346	4.026	50	✓													
11	240	1347	4.137	40	✓													larval polychaete in flask
12	241	1348	4.234	30	✓													
13	242	1349	5.757	20	✓													
14	243	1350	5.722	10	✓													
15	244	1351	6.820	5	✓													
16	245	1352	6.981	surface	✓													
17	246																	not needed
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 356

Cast # down: 70
Cast # up:

Time	LOC	UTC
Begin:		0728
Bottom:		0734
End:		0749

START POSITION (GPS)
LAT: 49°43.59
LONG: 124°40.83

BOTTOM POSITION (GPS)
LAT: 43.58
LONG: 40.90

END POSITION (GPS)
LAT: 43.55
LONG: 41.02

ROSETTE LOG

MISSION ID: 2003-24 STATION: 14 CAST NUMBER: 72 UTC DATE (dd/mm/yyyy): 20/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		CI3						
							OXY			ALK		CHL						
1	247	1216	2.855	bottom	✓	308	X	X	XX									
2	248	1223	3.017	250	✓	250	X											
3	249	1224	3.404	200	✓	200	X											
4	250	1225	3.549	175	✓	174												
5	251	1228	3.849	150	✓	150												
6	252	1233	4.016	125	✓	125												
7	253	1235	4.095	100	✓	100												
8	254	1237	4.170	75	✓	74												
9	255	1238	4.572	50	✓	50												
10	256	1231	4.948	40	✓	40												
11	257	1241	5.129	30	✓	30												
12	258	1247	5.220	20	✓	20												
13	259	1248	5.953	10	✓	9												
14	260	1256	5.929	5	✓	5												
15	261	1258	6.923	0	✓	0												
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vechr
ENTERED BY: S.
CHECKED BY:

Bottom Depth: 319

Cast # down: 72
Cast # up:

Time	LOC	UTC
Begin:		0954
Bottom:		0956
End:		1014

START POSITION (GPS)
LAT: 49.52.99
LONG: 124.59.61

BOTTOM POSITION (GPS)
LAT: 49.52.98
LONG: 124.59.60

END POSITION (GPS)
LAT: 49.53.01
LONG: 124.59.60

ROSETTE LOG

MISSION ID: 2003-24 STATION: 16 CAST NUMBER: 75 UTC DATE (dd/mm/yyyy): 20/06/2003

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	262	1260	3.670	Bot	✓	145												
2	263	1267	3.740	125	✓	125												
3	264	1268	4.001	100	✓	100												
4	265	1270	4.050	75	✓	75												
5	266	1271	4.441	50	✓	50												
6	267	1272	4.813	40	✓	40												
7	268	1276	4.986	30	✓	30												
8	269	1273	5.096	20	✓	20												
9	270	1274	5.264	10	✓	10												
10	271	1277	5.682	5	✓	5												
11	272	1278	6.622	surf	✓	surf		✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: JD
CHECKED BY: JD

Bottom Depth: 148

Cast # down: 75
Cast # up: 75

Time	LOC	UTC
Begin:	1304	
Bottom:	1307	
End:	1316	

START POSITION (GPS)
LAT: 49 57 66
LONG: 125 8 79

BOTTOM POSITION (GPS)
LAT: 49 57 61
LONG: 125 8 82

END POSITION (GPS)
LAT: 49 57 64
LONG: 125 8 86

Comments: * Niskin No 10 & 11 may be reversed

ROSETTE LOG

MISSION ID:

2004-32 3-24

STATION:

39

CAST NUMBER:

81

UTC DATE (dd/mm/yyyy):

20/06/2003

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13		TOC				
1	273	1322	2.270	805	✓ 370													22 replicates
2	274	1323	2.239	350	✓													(11 glass, 11 plastic)
3	275	1324	2.944	300	✓													of nutrient samples
4	276	1325	3.193	250	✓													taken from bottle 16
5	277	1326	3.170	200	✓ 199													(5mg, #288).
6	278	1327	3.798	175	✓													
7	279	1328	3.959	150	✓													8 replicates of
8	280	1329	4.308	125	✓													DOC + TOC samples
9	281	1331	4.623	100	✓													from bottle 17
10	282	1332	4.614	75	✓													(surface, #289)
11	283	1333	4.535	50	✓													
12	284	1334	4.507	40	✓													
13	285	1335	4.418	30	✓													
14	286	1336	4.434	20	✓													
15	287	1338	6.472	10	✓													
16	288	1337	6.804	5	✓													
17	289	1340	7.271	surf														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY: ST.

CHECKED BY:

Bottom Depth:

379

Cast # down:

81

Cast # up:

Time

LOC

UTC

Begin:

2210

Bottom:

2216

End:

2234

START POSITION (GPS)

LAT:

49°09.80

LONG:

123°32.98

BOTTOM POSITION (GPS)

LAT:

49°09.76

LONG:

123°32.92

END POSITION (GPS)

LAT:

LONG: