

ROSETTE LOG

MISSION ID: 2002-11 STATION: TrC1 CAST NUMBER: 001 UTC DATE (dd/mm/yyyy): 05/21/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	1	1148	4.696	bot-10	✓ 307	✓	✓	✓										
2	2	1146	4.290	250	✓ 250	✓												
3	3	1153	4.273	200	✓ 201	✓												
4	4	1158	4.267	175	✓ 175													
5	5	1174	4.278	150	✓ 150													
6	6	1175	4.319	125	✓ 125													
7	7	1176	4.425	100	✓ 100													
8	8	1188	4.615	75	✓ 75													
9	9	1189	5.122	50	✓ 50													
10	10	1192	5.364	30	✓ 30													
11	11	1193	5.498	20	✓ 20													
12	12	1194	6.253	10	✓ 10			✓				✓						
13	13	1195	7.184	5	✓ 5							✓						
14	14	1201	9.137	0	✓ 1			✓	✓									ugly O ₂ endpts
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY: EF/SJ
 CHECKED BY:

Bottom Depth: 347

Cast # down: 001
 Cast # up:

Time	LOC	UTC
Begin:		<u>01:12</u>
Bottom:		<u>01:21</u>
End:		<u>01:28</u>

START POSITION (GPS)
 LAT: 50 42.61
 LONG: 126 11:00

BOTTOM POSITION (GPS)
 LAT: 50 43:58
 LONG: 126 11:16

END POSITION (GPS)
 LAT: 50 43:54
 LONG: 126 11:47

Comments: I was getting ugly O₂ endpts all the way along + finally discovered (at the end of these samples, however) a bubble in one of the tubes. Once expelled the endpts began to improve. (S.T.) dramatically.

ROSETTE LOG

MISSION ID: 2002-11 STATION: Kn2 CAST NUMBER: 002 UTC DATE (dd/mm/yyyy): 21/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	15	1206	4.882	bottom-5	✓ 170													
2	16	1209	5.053	150	✓ 150													
3	17	1210	5.145	125	✓ 125													
4	18	1212	5.412	100	✓ 100													
5	19	1215	5.630	75	✓ 75													
6	20	1216	5.675	50	✓ 50													
7	21	1222	5.278	30	✓ 30													
8	22	1223	5.559	20	✓ 20													
9	23	1224	6.176	10	✓ 10													
10	24	1225	7.241	5	✓ 5													
11	25	1228	8.539	0	✓ 1													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Good O2 endpts. S.T.

SHIP: Vector
ENTERED BY: E.F/ST.
CHECKED BY:

Bottom Depth: 180

Cast # down: 002
Cast # up:

Time	LOC	UTC
Begin:		02:26
Bottom:		02:31
End:		02:42

START POSITION (GPS)
LAT: 50 39.29
LONG: 126 11 13

BOTTOM POSITION (GPS)
LAT: 50 39 29
LONG: 126 11 13

END POSITION (GPS)
LAT: 50 39 28
LONG: 126 11 16

ROSETTE LOG

MISSION ID: 2002-11 STATION: Kn1 CAST NUMBER: 003 UTC DATE (dd/mm/yyyy): 21/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	26	84	4.911	bottom-5	✓ 245	X												
2	27	255	4.916	200	✓ 200													
3	28	364	4.964	175	✓ 175													
4	29	534	4.941	150	✓ 150													
5	30	535	5.193	125	✓ 125													
6	31	572	5.449	100	✓ 100													
7	32	588	5.656	75	✓ 74													
8	33	632	5.861	50	✓ 50													
9	34	657	6.041	30	✓ 30													
10	35	695	6.247	20	✓ 20													
11	36	697	6.734	10	✓ 10							XX						
12	37	707	8.254	5	✓ 5							XX						
13	38	708	10.548	0	✓ 1													ugly end pt (02)
14																		
15																		
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18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VEC 70R
ENTERED BY: EF/ST
CHECKED BY:

Bottom Depth: 258

Cast # down: 003
Cast # up:

Time	LOC	UTC
Begin:		03:47
Bottom:		03:49
End:		04:03

START POSITION (GPS)
LAT: 50 38 09
LONG: 126 25 31

BOTTOM POSITION (GPS)
LAT: 50 38 09
LONG: 126 25 32

END POSITION (GPS)
LAT: 50 38 08
LONG: 126 25 41

ROSETTE LOG

MISSION ID: 2002-11 STATION: CCI CAST NUMBER: 004 UTC DATE (dd/mm/yyyy): 21/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	39	715	5.567	bottom-5	✓	105												
2	40	712	5.827	75	✓	75												
3	41	727	5.880	50	✓	51												
4	42	730	6.083	30	✓	30												
5	43	1105	6.605	20	✓	20												
6	44	1110	7.684	10	✓	10												
7	45	1126	8.016	5	✓	5												
8	46	1128	8.605	0	✓	1												ugly endst.
9																		
10																		
11																		
12																		
13																		
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16																		
17																		
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SHIP: VECTOR
ENTERED BY: EE / ST
CHECKED BY:

Bottom Depth: 114

Cast # down: 004
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		04:40
End:		04:48

START POSITION (GPS)
LAT: 50 36-32
LONG: 126 21 35

BOTTOM POSITION (GPS)
LAT: 50 36-31
LONG: 126 21 35

END POSITION (GPS)
LAT: 50 36 28
LONG: 126 21 44

ROSETTE LOG

MISSION ID: 2002-11 STATION: CC2 CAST NUMBER: 005A - second cast by itself UTC DATE (dd/mm/yyyy): 05/21/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	47	1134	5.660	bottom-5	✓	59.												
2	48	1135	5.670	50	✓	50.												
3	49	1136	5.819	30	✓	30												
4	50	1137	6.089	20	✓	20												
5	51	1138	6.881	10	✓	10							XX					
6	52	1141	7.570	5	✓	5							XX					
7	53	1142	8.644	0	✓	1												
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
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19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VEC701
ENTERED BY: ZF/ST
CHECKED BY:

Bottom Depth: 63

Cast # down: 005
Cast # up:

Time	LOC	UTC
Begin:		05 32
Bottom:		05 34
End:		05 42

START POSITION (GPS)
LAT: 50 34 24
LONG: 126 29 39

BOTTOM POSITION (GPS)
LAT: 50 34 24
LONG: 126 29 42

END POSITION (GPS)
LAT: 50 34 22
LONG: 126 29 51

ROSETTE LOG

MISSION ID: 2002-11 STATION: QCS2 CAST NUMBER: 006A UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	54	84	3.194 ⁺	bottom-5	✓ 210													
2	55	255	2.981 ⁺	175	✓ 175													
3	56	364	3.036 ⁺	150	✓ 150													
4	57	534	3.051 ⁺	125	✓ 125													
5	58	535	3.443 ⁺	100	✓ 100													
6	59	572	3.819 ⁺	75	✓ 75													
7	60	588	5.111 ⁺	50	✓ 50													
8	61	632*	5.487 ⁺	30	✓ 30													
9	62	657	5.555 ⁺	20	✓ 20													
10	63	695	6.152 ⁺	10	✓ 10							XX						
11	64	697	6.397 ⁺	5	✓ 5							XX						
12	65	707	6.429 ⁺	0	1													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY: E.F./DT
 CHECKED BY: -

Bottom Depth: 223

Cast # down: 006
 Cast # up:

Time	LOC	UTC
Begin:		<u>04:37</u>
Bottom:		<u>04:42</u>
End:		<u>04:54</u>

START POSITION (GPS)
 LAT: 50 46.50
 LONG: 127 02.34

BOTTOM POSITION (GPS)
 LAT: 50 46.47
 LONG: 127 02.33

END POSITION (GPS)
 LAT: 50 46.41
 LONG: 127 02.32

Comments: + light trans ~ 103%
Flask 632 is cracked

ROSETTE LOG

MISSION ID: 2002-11 STATION: WP CAST NUMBER: 007 UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	66	1148	5.096	bottom-5	✓	172												
2	67	1146	4.792	150	✓	150					0.780		0.056	0.836				Dosage 0054 - re-do Time 11:05 = 5.268
3	68	1153	5.527	125	✓	125												
4	69	1158	5.586	100	✓	100												
5	70	1174	5.663	75	✓	75												
6	71	1175	5.819	50	✓	50												
7	72	1176	6.101	30	✓	30												
8	73	1188	6.377	20	✓	20												
9	74	1189	6.768	10	✓	10												
10	75	1192	6.769	5	✓	5												
11	76	1193	6.836	0	✓	1												
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 185

Cast # down: 007

Cast # up:

Time	LOC	UTC
Begin:		0540
Bottom:		0544
End:		

START POSITION (GPS)

LAT: 50° 50.85

LONG: 126° 56.42

BOTTOM POSITION (GPS)

LAT: 50° 50.85

LONG: 126° 56.41

END POSITION (GPS)

LAT:

LONG:

10108

01013324

004

0722

ROSETTE LOG

MISSION ID: 2002-11 STATION: SC CAST NUMBER: 008 UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	77	708	3.248 ⁺	bottom-5	✓	226												
2	78	709	3.240	200	✓	200												
3	79	715	3.318	175	✓	175												
4	80	712	3.747 ¹	150	✓	150												
5	81	727	4.297	125	✓	125												
6	82	730	4.689	100	✓	100												
7	83	1105	4.946	75	✓	75												
8	84	1110	5.152	50	✓	50												
9	85	1126	5.296	30	✓	30												
10	86	1128	5.420	20	✓	20												
11	87	1130	5.567	10	✓	10												
12	88	1134	6.007	5	✓	5												
13	89	1135	7.255	0		1												
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY: S.T.
 CHECKED BY: _____

Bottom Depth: 237

Cast # down: 008
 Cast # up: _____

Time	LOC	UTC
Begin:		<u>0708</u>
Bottom:		<u>0714</u>
End:		<u>07</u>

START POSITION (GPS)
 LAT: 50° 53' 42
 LONG: 126° 45' 68

BOTTOM POSITION (GPS)
 LAT: 50° 53' 42
 LONG: 126° 45' 70

END POSITION (GPS)
 LAT: 50° 53'
 LONG: 126° 45'

Comments: Hit bottom
+ enter wrong depth
I changed DNG in zero beaker and end pos. is now at ~ 59%.

ROSETTE LOG

MISSION ID: 2002-11 STATION: Kin O CAST NUMBER: 009 UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	90	1203	2.204	bot-5(-80)	✓	385	X											
2	91	1206	3.486	300	✓	300	X											
3	97	1209	3.908	250	✓	250	X											
4	93	1210	4.430	200	✓	200												
5	94	1212	4.603	175	✓	175												
6	95	1214	4.696	150	✓	150												
7	96	1216	4.835	125	✓	125												
8	97	1222	4.890	100	✓	100			XX									
9	98	1223	4.821	75	✓	75												
10	99	1224	4.716	50	✓	50												
11	100	1225	4.694	30	✓	30												
12	101	1228	4.457	20	✓	20												
13	102	1231	5.527	10	✓	10							XX					
14	103	1233	7.405	5	✓	5							XX					
15	104	1235	9.838	0		1												
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 400

Cast # down: 009

Cast # up:

Time	LOC	UTC
Begin:		0813
Bottom:		0823
End:		0839

START POSITION (GPS)

LAT: 50°51.69

LONG: 126°37.17

BOTTOM POSITION (GPS)

LAT: 50°51.71

LONG: 126°37.16

END POSITION (GPS)

LAT: 50°51.69

LONG: 126°37.22

ROSETTE LOG

MISSION ID: 2002-11 STATION: Kin 1.5 CAST NUMBER: 010 UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	105	1238	2.156	bot - 5 (470)	✓	464												
2	106	1241	2.259	400	✓	400												
3	107	1244	2.328	300	✓	300												
4	108	1247	3.843	200	✓	200												
5	109	1248	3.810	175	✓	175												
6	110	1249	3.785	150	✓	150												
7	111	1254	4.118	125	✓	125												
8	112	1256	4.685	100	✓	100												
9	113	1258	4.538	75	✓	75												
10	114	1260	4.714	50	✓	50												
11	115	1261	4.540	30	✓	30												
12	116	1264	4.545	20	✓	20												
13	117	1267	5.012	10	✓	10												
14	118	1268	9.648	5	✓	5												
15	119	1270	9.123	0	✓	1												
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: SJ
CHECKED BY:

Bottom Depth: 480

Cast # down: 010
Cast # up:

Time	LOC	UTC
Begin:		0936
Bottom:		0939
End:		0956

START POSITION (GPS)
LAT: 50° 56.20
LONG: 126° 28.54

BOTTOM POSITION (GPS)
LAT: 50° 56.17
LONG: 126° 28.89

END POSITION (GPS)
LAT: 50° 56.20
LONG: 126° 28.92

ROSETTE LOG

MISSION ID: 2002-11 STATION: Kin 3 CAST NUMBER: 011 UTC DATE (dd/mm/yyyy): 22/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	120	1271	2.677	bot-5	✓	186												} only 186 m depth max (was supposed to (S.T.) be ~ 214m)
2	121	1272	2.678	200	✓	186												
3	122	1273	2.688	175	✓	175												
4	123	1274	2.899	150	✓	150												
5	124	1276	3.385	125	✓	125												
6	125	1277	3.675	100	✓	100												
7	126	1278	3.847	75	✓	75												
8	127	1279	3.942	50	✓	50												
9	128	1280	3.846	30	✓	30												
10	129	1281	4.304	20	✓	20			✗									
11	130	1287	5.260	10	✓	10							✗					
12	131	1288	9.613	5	✓	5							✗					
13	132	1142	8.944	0	✓	1			✓	✓								
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 198

Cast # down: 011
Cast # up:

Time	LOC	UTC
Begin:		1057
Bottom:		11:01
End:		11:

START POSITION (GPS)
LAT: 50°54.89
LONG: 126°14.71

BOTTOM POSITION (GPS)
LAT: 50°54.89
LONG: 126°14.71

END POSITION (GPS)
LAT: 50°54.90
LONG: 126°14.77

ROSETTE LOG

MISSION ID: 2002-11 STATION: TrC 2.5 CAST NUMBER: 012 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	133	1238	3.926	bot-10	✓ 281	✓		↑	↑									
2	134	1241	3.775	250	✓ 250	✓												
3	135	1244	3.836	200	✓ 200													
4	136	1247	3.909	175	✓ 175													
5	137	1248	4.032	150	✓ 150													
6	138	1249	4.355	125	✓ 125													
7	139	1254	4.388	100	✓ 100				✓									
8	140	1256	4.750	75	✓ 75													
9	141	1258	5.142	50	✓ 50													
10	142	1260	5.501	30	✓ 31													
11	143	1261	5.712	20	✓ 20				✓									
12	144	1264	6.324	10	✓ 10							KY						
13	145	1267	7.760	5	✓ 5							XX						
14	146	1268	9.122	0	✓ 1			↓	↓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: EF/ST
CHECKED BY:

Bottom Depth: 294

Cast # down: 012
Cast # up:

Time	LOC	UTC
Begin:		03:50
Bottom:		03:57
End:		04:14

START POSITION (GPS)
LAT: 50 50.36
LONG: 126 19.60

BOTTOM POSITION (GPS)
LAT: 50 50.37
LONG: 126 19.61

END POSITION (GPS)
LAT: 50 50.30
LONG: 126 19.84

ROSETTE LOG

MISSION ID: 2002-11 STATION: PP1 CAST NUMBER: 013 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	147	1270	3.844	bot-5	✓	162												
2	148	1271	3.864	125	✓	125												
3	149	1272	4.019	100	✓	100												
4	150	1273	4.505	75	✓	75												
5	151	1274	5.003	50	✓	50												
6	152	1276	4.815	30	✓	30												
7	153	1277	5.341	20	✓	20												
8	154	1278	6.343	10	✓	10												
9	155	1279	7.760	5	✓	5												
10	156	1280	10.367	0		1												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: EE/DT
CHECKED BY:

Bottom Depth: 167.

Cast # down: 013
Cast # up:

Time	LOC	UTC
Begin:		05.10
Bottom:		05.14
End:		05.26

START POSITION (GPS)
LAT: 50 48.78
LONG: 126 31 31

BOTTOM POSITION (GPS)
LAT: 50 48.78
LONG: 126 31 31

END POSITION (GPS)
LAT: 50 48.86
LONG: 126 31 26

ROSETTE LOG

MISSION ID: 2002-11 STATION: FIS CAST NUMBER: 014 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	157	1193	3.636	bot-5	✓ 320	✓												
2	158	1158	3.644	250	✓ 250	✓												
3	159	1174	3.798	200	✓ 200													
4	160	1146	3.918	175	✓ 175													
5	161	1175	4.126	150	✓ 150													
6	162	1153	4.230	125	✓ 125													
7	163	1148	4.521	100	✓ 100			✓										
8	164	1189	5.073	75	✓ 75													
9	165	1176	5.359	50	✓ 50													
10	166	1188	5.537	30	✓ 30													
11	167	1192	5.633	20	✓ 20			✓										
12	168	1194	5.420	10	✓ 10							xx						
13	169	1195	8.941	5	✓ 5							xx						
14	170	1201	10.129	0	✓ 1			↓ ↓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Flask 1194 is leaking.

SHIP: VICTOR
ENTERED BY: EF. /DT
CHECKED BY:

Bottom Depth: 333

Cast # down: 14
Cast # up:

Time	LOC	UTC
Begin:		06:10
Bottom:		06:18
End:		06:35

START POSITION (GPS)
LAT: 50 47 04
LONG: 126 36 72

BOTTOM POSITION (GPS)
LAT: 50 47 09
LONG: 126 36 69

END POSITION (GPS)
LAT: 50 47 14
LONG: 126 36 69

ROSETTE LOG

MISSION ID: 2002-11 STATION: QCS1 CAST NUMBER: 015 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	171	1203	4.313	bot-5	✓	145												
2	172	1206	3.233	125	✓	125												
3	173	1209	3.441	100	✓	100												
4	174	1210	3.732	75	✓	75												
5	175	1212	3.953	50	✓	50												
6	176	1215	4.772	30	✓	30			X									
7	177	1216	4.912	20	✓	20												
8	178	1222	4.994	10	✓	10						XX						
9	179	1223	5.151	5	✓	5						XX						
10	180	1224	5.528	0	✓	1		✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VEC70R
ENTERED BY: S.T.
CHECKED BY:

Bottom Depth: 157

Cast # down: 15
Cast # up:

Time	LOC	UTC
Begin:		0745
Bottom:		0749
End:		0757

START POSITION (GPS)
LAT: 50° 39.96
LONG: 126° 46.27

BOTTOM POSITION (GPS)
LAT: 50° 39.98
LONG: 126° 46.33

END POSITION (GPS)
LAT: 50° 39.99
LONG: 126° 46.35

ROSETTE LOG

MISSION ID: 2002-11 STATION: QCS 1.5 CAST NUMBER: 016 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	181	1228	3.466	bot-5	✓	135												
2	182	1235	3.551	125	✓	125												
3	183	1231	3.621	100	✓	100												
4	184	1233	4.202	75	✓	75												
5	185	1237	4.664	50	✓	50												
6	186	535	5.112	30	✓	30												
7	187	697	5.398	20	✓	20												
8	188	364	5.704	10	✓	10												
9	189	572	6.110	5	✓	5												
10	190	534	6.154	0		1												
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY: ST.

CHECKED BY:

Bottom Depth: 145

Cast # down: 16

Cast # up:

Time	LOC	UTC
Begin:		0842
Bottom:		0845
End:		0853

START POSITION (GPS)

LAT: 50°42.87

LONG: 126°55.58

BOTTOM POSITION (GPS)

LAT: 50°42.86

LONG: 126°55.60

END POSITION (GPS)

LAT: 50°42.89

LONG: 126°55.61

Comments:

ROSETTE LOG

MISSION ID: 2002-11 STATION: QCS3 CAST NUMBER: 017 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	191	255	2.881	bot-5	✓	209												
2	192	657	3.008	175	✓	175												
3	193	588	3.120	150	✓	150												
4	194	708	3.361	125	✓	125												
5	195	84	3.998	100	✓	100												
6	196	707	4.313	75	✓	75												
7	197	715	4.812	50	✓	50												
8	198	695	5.415	30	✓	31												
9	199	712	5.959	20	✓	20												
10	200	709	6.599	10	✓	10												
11	201	727	7.202	5	✓	5												
12	202	730	7.285	0	✓	1												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 214

Cast # down: 17
Cast # up:

Time	LOC	UTC
Begin:		1021
Bottom:		1026
End:		1036

START POSITION (GPS)
LAT: 50° 43.76
LONG: 127° 15.00

BOTTOM POSITION (GPS)
LAT: 50° 43.76
LONG: 127° 15.00

END POSITION (GPS)
LAT: 50° 43.74
LONG: 127° 14.97

ROSETTE LOG

MISSION ID: 2002-11 STATION: QCS4 CAST NUMBER: 018 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	203	1105	2.755	bot-5	✓ 400	↓												
2	204	1110	2.787	300	✓ 300													
3	205	1126	2.821	250	✓ 250													
4	206	1128	2.900	200	✓ 200													
5	207	1130	2.943	175	✓ 175													
6	208	1134	3.080	150	✓ 150													
7	209	1135	3.250	125	✓ 125													
8	210	1136	3.717	100	✓ 100			x										
9	211	1137	4.710	75	✓ 75													
10	212	1138	5.350	50	✓ 50													
11	213	1141	5.192	30	✓ 30													
12	214	1238	6.359	20	✓ 20													
13	215	1241	7.225	10	✓ 10								xx					
14	216	1244	8.246	5	✓ 5								xx					
15	217	1247	8.234	0	✓ 1													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY: S.T.

CHECKED BY:

Bottom Depth: 405

Cast # down: 18

Cast # up: 18

Time	LOC	UTC
Begin:		1127
Bottom:		1136
End:		1152

START POSITION (GPS)

LAT: 50° 46' 65"

LONG: 127° 24' 28"

BOTTOM POSITION (GPS)

LAT: 50° 46' 76"

LONG: 127° 24' 36"

END POSITION (GPS)

LAT: 50° 46' 79"

LONG: 127° 24' 36"

ROSETTE LOG

MISSION ID: 2002-11 STATION: MI-00 CAST NUMBER: 019 UTC DATE (dd/mm/yyyy): 23/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	218	1249	5.327	bot-10	✓	40		↑										
2	219	1254	5.440	30	✓	30												
3	220	1256	5.502	25	✓	25												
4	221	1258	5.494	20	✓	20												
5	222	1260	5.490	15	✓	15												
6	223	1261	5.543	10	✓	10												
7	224	1264	5.823	5	✓	5												17:20 UTC
8	225	1267	7.135	0	✓	1		↓										17:21 UTC
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 49m

Cast # down: 019
Cast # up:

Time	LOC	UTC
Begin:	←	1020
Bottom:	←	1021
End:		

local time

START POSITION (GPS)
LAT: 50° 39.39
LONG: 126° 39.72

BOTTOM POSITION (GPS)
LAT: 50° 39.39
LONG: 126° 39.72

END POSITION (GPS)
LAT: 50°
LONG: 126°

ROSETTE LOG

MISSION ID: 2002-11 STATION: PE-00 CAST NUMBER: 020 UTC DATE (dd/mm/yyyy): 02/05/24

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	226	1141	5.377	35	/													
2	227	1238	5.314	30	/													
3	228	1241	5.622	25	/													
4	229	1244	5.800	20	/													
5	230	1247	6.152	15	/			N										
6	231	1249	6.266	10	/			X										
7	232	1254	7.077	5	/			Y										
8	233	1256	7.981	0	/			X										
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 45

Cast # down: 20

Cast # up: 20

Time

LOC

UTC

Begin: 0112

Bottom:

End: 0121

0120

START POSITION (GPS)

LAT: 50 40.25

LONG: 126 28.99

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT: 50 40.26

LONG: 126 29.00

ROSETTE LOG

MISSION ID: 2002-11 STATION: JS1 CAST NUMBER: 021 UTC DATE (dd/mm/yyyy): 24/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	234	535	4.998	130-10	✓ 450	x												
2	235	697	4.972	400	✓ 400	x												
3	236	364	4.942	300	✓ 300	x												
4	237	572	4.983	250	✓ 250	x												
5	238	534	4.948	200	✓ 200													
6	239	255	5.062	175	✓ 175													
7	240	657	5.091	150	✓ 150													
8	241	588	5.106	125	✓ 125			x										
9	242	708	5.187	100	✓ 100													
10	243	84	5.225	75	✓ 75													
11	244			50	✓ 50													
12	245	715	5.397	30	✓ 30													
13	246	695	5.514	20	✓ 20													
14	247	712	5.626	10	✓ 10							xx						
15	248	709	5.845	5	✓ 5							xx						
16	249	727	6.054	0	✓ 1													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Bottle 11 didn't fire

SHIP: Vector
 ENTERED BY: S.T.
 CHECKED BY:

Bottom Depth: 460

Cast # down: 021

Cast # up: 021

Time	LOC	UTC
Begin:		<u>0344</u>
Bottom:		<u>0355</u>
End:		<u>0414</u>

START POSITION (GPS)
 LAT: 50° 32.98
 LONG: 126° 46.13

BOTTOM POSITION (GPS)
 LAT: 50° 32.98
 LONG: 126° 46.31

END POSITION (GPS)
 LAT: 50° 32.94
 LONG: 126° 46.70

ROSETTE LOG

MISSION ID: 2002-11 STATION: B44 CAST NUMBER: 022 UTC DATE (dd/mm/yyyy): 24/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	250	1193	2.755	bot-16	✓	629												
2	251	1158	2.748	600	✓		✓											
3	252	1174	2.893	500	✓		✓											
4	253	1146	2.933	400	✓		✓											
5	254	1175	2.830	300	✓			✓										
6	255	1153	2.952	250	✓													
7	256	1148	3.008	200	✓													
8	257	1189	3.096	175	✓													
9	258	1176	3.139	150	✓													
10	259	1188	2.953	125	✓													
11	260	1192	2.970	100	✓													
12	261	1195	3.541	75	✓													
13	262	1201	4.468	50	✓													
14	263	1203	4.941	30	✓													
15	264	1206	4.899	20	✓			✓										
16	265	1209	5.156	10	✓								✓✓					
17	266	1210	7.076	5	✓								✓✓					
18	267	1212	7.249	0	✓	1												
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Went over 100% from sample 250 to 267, will change order after this cast.

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 642

Cast # down: 022

Cast # up:

Time	LOC	UTC
Begin:		1223
Bottom:		1235
End:		

START POSITION (GPS)

LAT: 50° 35.20

LONG: 124° 54.31

BOTTOM POSITION (GPS)

LAT: 50° 35.21

LONG: 124° 54.33

END POSITION (GPS)

LAT: 50° 35.21

LONG: 124° 54.31

ROSETTE LOG

MISSION ID: 2002-11STATION: Je1CAST NUMBER: 023UTC DATE (dd/mm/yyyy): 24/5/2002

Niskin No.	Sample No.	OXY. Flask	OXY. m/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	268	1193	2.678	60+10	✓	276		↑	↑									
2	269	1158	3.317	200	✓	201			✓									
3	270	1174	3.461	175	✓	175												
4	271	1146	3.949	150	✓	151												
5	272	1175	3.740	125	✓	125												
6	273	1153	3.644	100	✓	100												
7	274	1198	4.177	75 125	✓	275												}
8	275	1189	4.011	50 100	✓	250												
9	276	1176	4.095	30 75	✓	230												
10	277	1188	4.308	20 50	✓	20			✓									
11	278	1192	5.133	10 30	✓	10						XX						
12	279	1195	6.676	5 20	✓	5						XX						
13	280	1201	7.855	0 10		1						✓✓						
14	281			5								✓✓						
15	282			0				↓	↓									
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 288Cast # down: 022

Cast # up:

Time LOC UTC

Begin: 1958Bottom: 2006End: 2019

START POSITION (GPS)

LAT: 49.42.27LONG: 124.14.37

BOTTOM POSITION (GPS)

LAT: 49.42.34LONG: 124.14.31

END POSITION (GPS)

LAT: 49.42.47LONG: 124.14.30

Comments:

ROSETTE LOG

MISSION ID: 2002-11 STATION: JE2 CAST NUMBER: 024 UTC DATE (dd/mm/yyyy): 24/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	281	1203	2.325	801-10	✓	600												
2	282	1206	2.315	500	✓	500												
3	283	1209	2.340	400	✓	400												
4	284	1210	2.405	300	✓	300												
5	285	1212	2.696	250	✓	250												
6	286	1215	2.992	200	✓	200												
7	287	1216	3.209	175	✓	175												
8	288	1222	3.288	150	✓	150												
9	289	1223	3.187	125	✓	125												
10	290	1224	3.380	100	✓	100												
11	291	1225	3.725	75	✓	75												
12	292	1228	3.934	50	✓	50												
13	293	1235	4.035	30	✓	30												
14	294	1231	4.138	20	✓	20												
15	295	1233	4.946	10	✓	10												
16	296	1237	6.528	5	✓	5												
17	297	535	7.985	0		1												
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY: S.T.
CHECKED BY:

Bottom Depth: 611

Cast # down: 024
Cast # up: 024

Time	LOC	UTC
Begin:		2103
Bottom:		2116
End:		2135

START POSITION (GPS)
LAT: 49°46'27"
LONG: 124°09'36"

BOTTOM POSITION (GPS)
LAT: 49°46'23"
LONG: 124°09'34"

END POSITION (GPS)
LAT: 49°46'17"
LONG: 124°09'35"

Comments:

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 3 CAST NUMBER: 025 UTC DATE (dd/mm/yyyy): 24/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	298	697	2.357	bot -10	✓ 675													
2	299	572	2.335	600	✓ 600													
3	300	364	2.391	500	✓ 500													
4	301	534	2.403	400	✓ 400													
5	302	588	2.381	300	✓ 300													
6	303	255	2.523	250	✓ 250	✓												
7	304	657	2.721	200	✓ 200													
8	305	708	2.848	175	✓ 175													
9	306	84	3.128	150	✓ 150													
10	307	707	3.012	125	✓ 1284													
11	308	715	3.045	100	✓ 100													
12	309	695	3.300	75	✓ 75													
13	310	712	3.696	50	✓ 50													
14	311	709	3.909	30	✓ 30													
15	312	727	4.158	20	✓ 20													
16	313	730	5.250	10	✓ 10													
17	314	1105	7.039	5	✓ 5													
18	315	1110	8.774	0	1													
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 677

Cast # down: 25
Cast # up:

Time	LOC	UTC
Begin:		2214
Bottom:		2226
End:		2247 ?

START POSITION (GPS)
LAT: 49°48.6057
LONG: 124°02.4653

BOTTOM POSITION (GPS)
LAT: 49°48.60
LONG: 124°02.46

END POSITION (GPS)
LAT: 49°48.66
LONG: 124°02.39

ROSETTE LOG

MISSION ID: 2002-11

STATION: Je 4

CAST NUMBER: 026

UTC DATE (dd/mm/yyyy):

24/5/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	316	1126	2.370	6-16	✓ 662	✓												
2	317	1128	2.384	600	✓	✓												
3	318	1130	2.404	500	✓													
4	319	1134	2.369	400	✓													
5	320	1135	2.409	300	✓													
6	321	1136	2.593	250	✓													
7	322	1137	2.764	200	✓													
8	323	1138	2.795	175	✓													
9	324	1141	2.905	150	✓													
10	325	1238	2.911	125	✓													
11	326	1244	2.717	100	✓													
12	327	1247	3.093	75	✓													
13	328	1249	3.676	50	✓													
14	329	1254	3.788	30	✓													
15	330	1256	3.974	20	✓													
16	331	1258	5.300	10	✓													
17	332	1260	7.419	5	✓													
18	333	1261	7.991	0														
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 677

Cast # down: 026

Cast # up:

Time LOC UTC

Begin: 2328

Bottom: 2339

End: 0004

START POSITION (GPS)

LAT: 49° 49.45

LONG: 123° 54.24

BOTTOM POSITION (GPS)

LAT: 49° 49.46

LONG: 123° 54.21

END POSITION (GPS)

LAT: 49° 49.42

LONG: 123° 54.20

Comments:

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 5 CAST NUMBER: 027 UTC DATE (dd/mm/yyyy): 25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	334	1261	2.346	6-10	✓ 649													
2	335	1264	2.382	500 ⁶⁰⁰	✓ 600													
*3	336	1267	2.371	400 500	✓ 500													
4	337	1268	2.313	300 400	✓ 400													
5	338	1272	2.235	250 300	✓ 300													
6	339	1248	2.489	200 250	✓ 250													
7	340	1270	2.539	175 200	✓ 200													
8	341	1271	2.601	150 175	✓ 175													
9	342	1273	2.756	125 150	✓ 150													
10	343	1274	2.761	100 125	✓ 125													
11	344	1276	2.460	75 100	✓ 100													
12	345	1277	2.874	50 75	✓ 75													
13	346	1278	3.526	30 50	✓ 50													
14	347	1279	3.556	20 30	✓ 30													
15	348	1280	3.933	10 20	✓ 20													
16	349	1281	7.006	5 10	✓ 9													
17	350	1287	8.899	0 5	✓ 5													
18	351	1288	8.685	0														
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * Air vent open on bottle #3

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down: 027

Cast # up:

Time LOC UTC

Begin: 0045

Bottom: 0056

End: 0120

START POSITION (GPS)

LAT: 49° 54.24

LONG: 123° 55.41

BOTTOM POSITION (GPS)

LAT: 49° 54.20

LONG: 123 55.42

END POSITION (GPS)

LAT: 49° 54.23

LONG: 123° 55.43

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 6 CAST NUMBER: 028 UTC DATE (dd/mm/yyyy): 25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION			Samples taken													
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13								
							OXY				ALK		CHL							
1	352	1193	2.382	604.10	✓	539	✓	↑												
2	353	1158	2.343	500	✓		✓													
3	354	1174	2.268	400	✓		✓													
4	355	1146	2.022	300	✓															
5	356	1175	2.289	250	✓															
6	357	1153	2.403	200	✓															
7	358	1148	2.278	175	✓															
8	359	1189	2.480	150	✓															
9	360	1176	2.462	125	✓															
10	361	1189	2.124	100	✓															
11	362	1192	2.465	75	✓															
12	363	1195	3.085	50	✓													*		
13	364	1201	3.332	30	✓															
14	365	1203	3.661	20	✓															
15	366	1206	5.940	10	✓															
16	367	1209	9.357	5	✓															
17	368	1210	8.838	0	✓	1		↓												
18																				
19																				
20																				
21																				
22																				
23																				
24																				

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 551

Cast # down: 028

Cast # up:

Time	LOC	UTC
Begin:		0202
Bottom:		0211
End:		0233

START POSITION (GPS)

LAT: 49° 59.10

LONG: 123° 59.31

BOTTOM POSITION (GPS)

LAT: 59.16

LONG: 59.26

END POSITION (GPS)

LAT: 59.32

LONG: 59.33

Comments: * realized I had been putting 5's instead of 6's in sample #'s (ie 353 rather than 363) (in 02 computer)

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 7 CAST NUMBER: 029 UTC DATE (dd/mm/yyyy): 25/5/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY				ALK		CHL					
1	369	1212	2.426	bot-10	✓	536	✓											
2	370	1215	2.370	500	✓	500	✓											
3	371	1216	2.301	400	✓	400	✓											
4	372	1222	1.875	300	✓	300												
5	373	1223	2.017	250	✓	250												
6	374	1224	1.919	200	✓	200												
7	375	1225	1.716	175	✓	175												
8	376	1228	1.877	150	✓	150												
9	377	1235	2.074	125	✓	125												
10	378	1231	1.872	100	✓	100			✓									
11	379	1233	2.146	75	✓	75												
12	380	1237	2.662	50	✓	50												
13	381	535	3.066	30	✓	30												
14	382	697	3.515	20	✓	20												
15	383	572	5.640	10	✓	10						✓✓						
16	384	364	9.269	5	✓	5						✓✓						
17	385	534	9.703	0	✓	61		↓	↓									
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: ST
CHECKED BY:

Bottom Depth: 546

Cast # down: 029
Cast # up:

Time	LOC	UTC
Begin:		0316
Bottom:		0327
End:		0345

START POSITION (GPS)
LAT: 50°02'49"
LONG: 123°51'19"

BOTTOM POSITION (GPS)
LAT: 50°02'50"
LONG: 123°51'20"

END POSITION (GPS)
LAT: 50°02'53"
LONG: 123°51'17"

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 8 CAST NUMBER: 030 UTC DATE (dd/mm/yyyy): 25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	386	588	2.390	6-10	✓ 468													
2	387	255	2.332	400	✓ 400													
3	388	657	1.856	300	✓ 300													
4	389	708	1.874	250	✓ 250													
5	390	84	1.631	200	✓													
6	391	707	1.423	175	✓													
7	392	715	1.642	150	✓													
8	393	712	1.609	125	✓													
9	394	709	1.681	100	✓													
10	395	695	1.605	75	✓													
11	396	727	2.304	50	✓													
12	397	730	2.967	30	✓													
13	398	1105	3.239	20	✓													
14	399	1110	5.271	10	✓													
15	400	1126	8.653	5	✓													
16	401	1128	9.046	0	✓ 1													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: S-T
CHECKED BY:

Bottom Depth: 476

Cast # down: 030
Cast # up:

Time	LOC	UTC
Begin:		0413
Bottom:		0421
End:		0437

START POSITION (GPS)
LAT: 50° 05.29
LONG: 123° 46.71

BOTTOM POSITION (GPS)
LAT: 50° 05.30
LONG: 123° 46.69

END POSITION (GPS)
LAT: 50° 05.27
LONG: 123° 46.68

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je 9 CAST NUMBER: 031 UTC DATE (dd/mm/yyyy): 25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
						OXY				ALK		CHL						
1	402	1141	1.935	6-10	✓ 350													
2	403	1238	1.731	300	✓													
3	404	1241	1.560	250	✓													
4	405	1244	1.188	200	✓													
5	406	1247	0.998	175	✓													
6	407	1249	1.110	150	✓													
7	408	1254	1.235	125	✓													
8	409	1256	1.099	100	✓													
9	410	1258	1.650	75	✓													
10	411	1260	2.442	50	✓													
11	412	1264	2.979	30	✓													
12	413	1261	3.312	20	✓													
13	414	1267	5.442	10	✓													
14	415	1268	6.873	5	✓													
15	416	1272	8.208	0	1													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: S.T.
CHECKED BY:

Bottom Depth: 362

Cast # down: 31
Cast # up:

Time	LOC	UTC
Begin:		0508
Bottom:		0515
End:		0529

START POSITION (GPS)
LAT: 50°08.57
LONG: 123°50.48

BOTTOM POSITION (GPS)
LAT: 50°08.58
LONG: 123°50.48

END POSITION (GPS)
LAT: 50°08.55
LONG: 123°50.56

Comments:

ROSETTE LOG

MISSION ID: 2002-11 STATION: Je10 CAST NUMBER: 032 UTC DATE (dd/mm/yyyy): 25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	417	1248	1.410	6-10	✓ 267	X												
2	418	1270	1.009	200	✓													
3	419	1271	0.741	175	✓			XX										
4	420	1273	0.762	150	✓													
5	421	1274	0.852	125	✓													
6	422	1276	0.835	100	✓													
7	423	1277	1.974	75	✓													
8	424	1278	2.484	50	✓													
9	425	1279	2.971	30	✓													
10	426	1280	3.303	20	✓													
11	427	1281	4.901	10	✓							XX						
12	428	1287	6.682	5	✓							XX						
13	429	1288	9.457	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
 ENTERED BY:
 CHECKED BY:

Bottom Depth: 277

Cast # down: 32
 Cast # up:

Time	LOC	UTC
Begin:		0606
Bottom:		0612
End:		0624

START POSITION (GPS)
 LAT: 50°11'41
 LONG: 123°57'13

BOTTOM POSITION (GPS)
 LAT: 50°11'41
 LONG: 123°57'10

END POSITION (GPS)
 LAT: 50°11'44
 LONG: 123°57'13

ROSETTE LOG

MISSION ID: 2002-11 STATION: How 4 CAST NUMBER: 033 UTC DATE (dd/mm/yyyy): 25/5/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	430	1130	1.406	bot-10	✓	275	✓	✓	✓									
2	431	1134	1.559	250	✓		✓	✓	✓									
3	432	1135	1.930	200	✓	201	✓	✓	✓									
4	433	1136	2.076	175	✓		✓	✓	✓									
5	434	1137	2.135	150	✓	151												
6	435	1138	2.366	125	✓													
7	436	1142	3.322	100	✓	101												
8	437	1146	3.973	75	✓													
9	438	1148	4.349	50	✓													
10	439	1153	4.601	30	✓													
11	440	1158	4.722	20	✓													
12	441	1174	6.214	10	✓		✓	✓	✓			xx						(bubbles on lens)
13	442	1175	9.008	5	✓		✓	✓	✓			xx						ugly end pt. (O2)
14	443	1176	8.819	0			✓	✓	✓									
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: DS
CHECKED BY:

Bottom Depth: 285

Cast # down: 033
Cast # up:

Time	LOC	UTC
Begin:		1636
Bottom:		1642
End:		1658

START POSITION (GPS)
LAT: 49° 35.55'
LONG: 123° 14.63'

BOTTOM POSITION (GPS)
LAT: 35.49
LONG: 14.70

END POSITION (GPS)
LAT: 135.26
LONG: 14.83

ROSETTE LOG

MISSION ID: 2002-11

STATION: Ind2.0

CAST NUMBER: 034

UTC DATE (dd/mm/yyyy):

25/05/2002

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	444	1188	1.626	bot-10	✓	211	✓	↑	↑									
2	445	1189	1.575	175	✓		✓											
3	446	1192	1.649	150	✓		✓											
4	447	1193	1.776	125	✓													
5	448	1195	2.500	100	✓													
6	449	1237	3.224	75	✓													
7	450	1203	4.417	50	✓													
8	451	1266	5.662	30	✓													
9	452	1269	5.583	20	✓													
10	453	1210	5.500	10	✓							✓✓						
11	454	1212	5.714	5	✓							✓✓						
12	455	1215	13.158	0	✓			↓	↓					2.356				
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY: ST

Bottom Depth: 218

Cast # down: 034

Cast # up:

Time LOC UTC

Begin: 2329

Bottom: 2333

End: 2343

START POSITION (GPS)

LAT: 49° 23.63

LONG: 122° 52.60

BOTTOM POSITION (GPS)

LAT: 49° 23.63

LONG: 122° 52.61

END POSITION (GPS)

LAT: 49° 23.63

LONG: 122° 52.62

Comments: