

ROSETTE LOG

MISSION ID: 2001-10 STATION: SJ CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 17/04/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						
1	1	1136	2.775	100	✓		✓	✓										
2	2	1137	4.641	75	✓			✓										
3	3	1138	4.398	50	✓			✓✓										
4	4	1141	5.318	25	✓			✓										
5	5	1142	6.310	10	✓			✓										
6	6	1146	8.906	0	✓		✓	✓										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VEZTOR
ENTERED BY: ML
CHECKED BY:

Bottom Depth: 187

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		16 33
Bottom:		16 30
End:		16 51

START POSITION (GPS)
LAT: 48 39.12
LONG: 123 30.09

BOTTOM POSITION (GPS)
LAT: 48 39.19
LONG: 123 30.09

END POSITION (GPS)
LAT: 48 39.32
LONG: 123 30.09

ROSETTE LOG

MISSION ID: 2001-10 STATION: 59 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 17/04/01

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	7	1148	4.541	Bot-5	✓ 221											
2	8	1153	4.554	200	✓											
3	9	1158	4.681	175	✓											
4	10	1171	4.876	150	✓											
5	11	1174	4.907	125	✓											
6	12	1175	4.988	100	✓											
7	13	1176	5.157	75	✓											
8	14	1177	5.533	50	✓											
9	15	1180	5.502	40	✓											
10	16	1188	5.480	30	✓											
11	17	1189	5.548	20	✓											
12	18	1191	5.590	10	✓											
13	19	1192	5.707	5	✓											
14	20	1193	5.748	0												
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 230

Cast # down: 2

Cast # up:

Time	LOC	UTC
Begin:		1834
Bottom:		1839
End:		1900

START POSITION (GPS)

LAT: 48°37'79

LONG: 123°14'66

BOTTOM POSITION (GPS)

LAT: 48°37'77

LONG: 123°14'72

END POSITION (GPS)

LAT: 48°37'73

LONG: 123°14'92

← Check depth on O2 probe
- should be 75 not 175

ROSETTE LOG

MISSION ID: 2001-10 STATION: 102 CAST NUMBER: 7 UTC DATE (dd/mm/yyyy): 18/4/2001

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	21	84	2.026	bot-5	✓ 252	✓										
2	22	255	1.984	250	✓ 252	✓										
3	23	337	2.115	200	✓	✓										
4	24	364	2.501	175	✓	✓										
5	25	392	2.790	150	✓	✓										
6	26	443	3.024	125	✓											
7	27	486	3.540	100	✓											
8	28	534	4.747	75	✓											
9	29	535	5.769	50	✓											
10	30	572	5.919	40	✓											
11	31	588	5.981	30	✓											
12	32	632	6.236	20	✓											
13	33	650	6.322	10	✓											
14	34	657	6.314	5	✓											
15	35	695	6.329	0	✓											
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 255

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		4:59
Bottom:		5:05
End:		5:27

START POSITION (GPS)
LAT: 48 29.98
LONG: 124 43.76

BOTTOM POSITION (GPS)
LAT: 48 29.95
LONG: 124 43.66

END POSITION (GPS)
LAT: 48 29.95
LONG: 124 43.17

ROSETTE LOG

MISSION ID: 2001-10 STATION: 75 CAST NUMBER: 10 UTC DATE (dd/mm/yyyy): 18/04/2001

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	36	707	2.056	Bot-10	✓ 215	✓	✓	✓										
2	37	708	2.058	200	/	✓		✓										
3	38	709	2.302	175	✓	✓		✓										
4	39	712	2.713	150	✓			✓										
5	40	715	2.911	125	✓			✓										
6	41	727	3.137	100	✓			✓										
7	42	730	4.245	75	✓			✓										
8	43	1105	5.548	50	✓			✓										
9	44	1110	6.115	40	✓			✓										
10	45	1126	6.352	30	✓			✓										
11	46	1128	6.365	20	✓			✓										
12	47	1130	6.395	10	✓			✓										
13	48	1134	6.402	5	✓			✓										
14	49	1135	6.403	0			✓	✓										
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 225

Cast # down: 10
Cast # up: 10

Time	LOC	UTC
Begin:		0850
Bottom:		0854
End:		0910

START POSITION (GPS)
LAT: 48° 28.14
LONG: 124° 32.62

BOTTOM POSITION (GPS)
LAT: 48° 28.11
LONG: 124° 32.54

END POSITION (GPS)
LAT: 48° 28.02
LONG: 124° 32.29

ROSETTE LOG

MISSION ID: 2001-10 STATION: 72 CAST NUMBER: 13 UTC DATE (dd/mm/yyyy): 18/04/2001

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	50	1136	2.218	bot-5	✓ 180													
2	51	1137	2.209	150	✓													
3	52	1138	2.254	125	✓													
4	53	1141	2.563	100	✓													
5	54	1142	3.380	75	✓													
6	55	1146	4.058	50	✓													
7	56	1148	4.420	40	✓													
8	57	1153	4.611	30	✓													
9	58	1158	5.152	20	✓													
10	59	1171	5.200	10	✓													
11	60	1174	5.195	5	✓													
12	61	1175	5.372	0	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 187

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		12:55
Bottom:		13:00
End:		13:10

START POSITION (GPS)
LAT: 48 18.62
LONG: 124 4.06

BOTTOM POSITION (GPS)
LAT: 48 18.70
LONG: 124 4.21

END POSITION (GPS)
LAT: 48 18.84
LONG: 124 4.57

ROSETTE LOG

MISSION ID: 2001-10 STATION: 69 CAST NUMBER: 16 UTC DATE (dd/mm/yyyy): 18/04/01

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	62	1176	2.377	8-10	✓ 105			✓	✓									
2	63	1177	2.381	150	✓			1	✓									
3	64	1180	2.400	125	✓													
4	65	1188	2.536	100	✓													
5	66	1189	3.802	75	✓													
6	67	1191	4.639	50	✓													
7	68	1192	4.746	40	✓				✓	✓								
8	69	1193	4.967	30	✓													
9	70	1194	5.205	20	✓													
10	71	1195	5.332	10	✓													
11	72	1197	5.318	5	✓													
12	73	1198	5.342	0	✓			↓	↓									
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: D. M.
CHECKED BY:

Bottom Depth: 174

Cast # down: 16
Cast # up:

Time	LOC	UTC
Begin:		16:19
Bottom:		16:24
End:		16:40

START POSITION (GPS)
LAT: 48 15.65
LONG: 123 43.20

BOTTOM POSITION (GPS)
LAT: 48 15.72
LONG: 123 43.33

END POSITION (GPS)
LAT: 48 15.89
LONG: 123 43.66

ROSETTE LOG

MISSION ID: 2001-10 STATION: ADCP CAST NUMBER: 19 UTC DATE (dd/mm/yyyy): 18/04/2001

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	74	84	2.793	bot-5	✓	118		✓	✓									
2	75	255	3.043	100	✓			✓	✓									
3	76	337	3.700	75	✓			✓	✓									
4	77	364	4.715	50	✓			✓	✓									
5	78	392	5.086	40	✓			✓	✓									
6	79	443	5.216	30	✓			✓	✓									
7	80	486	5.377	20	✓			✓	✓									
8	81	534	5.712	10	✓			✓	✓									
9	82	535	5.835	5	✓			✓	✓									
10	83	572	5.886	0	✓			✓	✓									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTRA
ENTERED BY: JL
CHECKED BY: MA

Bottom Depth: 123

Cast # down: 19
Cast # up: 19

Time	LOC	UTC
Begin:		1936
Bottom:		1939
End:		1949

START POSITION (GPS)
LAT: 48° 13' 07"
LONG: 123° 17' 96"

BOTTOM POSITION (GPS)
LAT: 48° 13' 96"
LONG: 123° 17' 95"

END POSITION (GPS)
LAT: 48° 13' 92"
LONG: 123° 17' 86"

ROSETTE LOG

MISSION ID: 2001-10 STATION: 62 CAST NUMBER: 26 UTC DATE (dd/mm/yyyy): 19/04/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL	OXY	NUT	TCO	ALK	C13	CHL						
1	84	1215	3.360	Bot-5	✓136		✓	✓										
2	85	1216	3.412	125	✓			✓										
3	86	1218	3.823	100	✓			✓										
4	87	1222	4.784	75	✓			✓										
5	88	1223	5.406	50	✓			✓										
6	89	1224	5.561	40	✓			✓										
7	90	1225	5.636	30	✓			✓										
8	91	1228	5.699	20	✓			✓										
9	92	1230	5.802	10	✓			✓										
10	93	1231	5.839	5	✓			✓										
11	94	1233	5.844	0	✓			✓										
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 147

Cast # down: 26
Cast # up: "

Time	LOC	UTC
Begin:		00:39
Bottom:		00:42
End:		00:52

START POSITION (GPS)
LAT: 48 22.82
LONG: 123 02.65

BOTTOM POSITION (GPS)
LAT: 48 22.85
LONG: 123 02.66

END POSITION (GPS)
LAT: 48 22.91
LONG: 123 02.70

ROSETTE LOG

MISSION ID: 2001-10 STATION: 56 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 19/04/2001

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	95	1235	4.772	Bot-5	✓ 205													
2	96	1237	4.664	200	✓													
3	97	1238	4.740	175	✓													
4	98	1241	4.954	150	✓													
5	99	1243	5.147	125	✓													
6	100	1244	5.312	100	✓													
7	101	1247	5.373	75	✓													
8	102	1248	5.479	50	✓													
9	103	1249	5.467	40	✓													
10	104	1251	5.474	30	✓													
11	105	1252	5.469	20	✓													
12	106	1254	5.560	10	✓													
13	107	1256	5.725	5	✓													
14	108	1258	5.761	0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: JL
CHECKED BY: MR

Bottom Depth: 215

Cast # down: 31
Cast # up: 31

Time	LOC	UTC
Begin:		0652
Bottom:		0656
End:		0711

START POSITION (GPS)
LAT: 48°46'48"
LONG: 123°01'45"

BOTTOM POSITION (GPS)
LAT: 48°46'58"
LONG: 123°01'33"

END POSITION (GPS)
LAT: 48°46'55"
LONG: 123°00'88"

ROSETTE LOG

MISSION ID: 2001-10 STATION: 46 CAST NUMBER: 40 UTC DATE (dd/mm/yyyy): 19/4/2001

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	109	84	5.115	Bot-5	✓	176		✓	✓									
2	110	255	5.150	150	✓			✓										
3	111	337	5.314	125	✓			✓										
4	112	364	5.381	100	✓			✓✓										
5	113	392	5.426	75	✓			✓										
6	114	443	5.719	50	✓			✓										
7	115	486	4.862	40	✓			✓									?	
8	116	534	4.898	30	✓			✓										
9	117	535	5.136	20	✓			✓										
10	118	572	6.252	10	✓			✓										
11	119	588	6.831	5	✓			✓										
12	120	632	7.047	0	✓			✓										
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 180

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		14:15
Bottom:		14:20
End:		14:31

START POSITION (GPS)
LAT: 48 51.33
LONG: 123 10.77

BOTTOM POSITION (GPS)
LAT: 48 51.28
LONG: 123 10.74

END POSITION (GPS)
LAT: 48 51.16
LONG: 123 10.71

ROSETTE LOG

MISSION ID: 2001-10 STATION: 42 CAST NUMBER: 42 UTC DATE (dd/mm/yyyy): 19/04/01

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	121	650	4.571	607.5	✓ 314	✓									.822	O ₂ profile weird
2	122	657	4.082	300	✓	✓										
3	123	695	4.474	250	✓	✓										
4	124	697	4.518	200	✓	✓										
5	125	707	4.389	175	✓	✓										
6	126	708	5.376	150	✓	✓										
7	127	709	5.437	125	✓											
8	128	712	5.540	100	✓											
9	129	715	4.655	75	✓											
10	130	727	4.461	50	✓											
11	131	730	4.675	40	✓											
12	132	1105	5.206	30	✓											
13	133	1110	6.039	20	✓											
14	134	1126	6.491	10	✓											
15	135	1128	6.759	5	✓											
16	136	1130	7.235	0	✓											
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 322

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		16:47
Bottom:		16:55
End:		17:14

START POSITION (GPS)
LAT: 49 01.77
LONG: 123 26.20

BOTTOM POSITION (GPS)
LAT: 49 01.72
LONG: 123 26.24

END POSITION (GPS)
LAT: 49 01.57
LONG: 123 26.41

ROSETTE LOG

MISSION ID: 2001-10 STATION: 39 CAST NUMBER: 46 UTC DATE (dd/mm/yyyy): 19 / 04 / 2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
							OXY			ALK		CHL						Bot data cast
1	137	1215	4.721	bot-5	✓	368												✓ 1 46
2	138	1216	4.504	350	✓													
3	139	1218	5.056	300	✓													✓ 1 48
4	140	1222	4.549	250	✓	Bot 2?												✓ 2
5	141	1223	5.107	200	✓	Bot 3?												✓ 3
1396	142	1224	4.841	175	✓	Bot 4?												✓ 4
7	143	1225	4.678	150	✓													✓ 5
8	144	1228	4.351	125	✓													✓ 6
9	145	1230	4.594	100	✓													✓ 7
10	146	1231	4.679	75	✓													✓ 8
11	147	1233	4.944	50	✓													✓ 9
12	148	1234	5.391	40	✓													✓ 10
13	149	1235	7.340	30	✓													✓ 11
14	150	1237	7.338	20	✓	12												✓ 12 48
15	151	1238	7.354	10		COMM	67202											
16	152	1241	7.366	5														
17	153	1243	7.150	0														
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Bot 1: 368, Bot 2: 250?

NOTE: NISK 6 also labelled 139 → 139* O2 program won't allow it so there are 2 #139 samples

#147 - "warning - colorimeter not receiving valid data"

SHIP: VECTOR
ENTERED BY: JL
CHECKED BY: MR

Bottom Depth: 379

Cast # down: 46
Cast # up: 48

Time	LOC	UTC
Begin:		2052
Bottom:		2100
End:		2126

START POSITION (GPS)
LAT: 49 09.82
LONG: 123 33.00

BOTTOM POSITION (GPS)
LAT: 49 09.91
LONG: 123 33.08

END POSITION (GPS)
LAT: 49 10.31
LONG: 123 33.18

ROSETTE LOG

MISSION ID: 2001-10 STATION: 27 CAST NUMBER: 51 UTC DATE (dd/mm/yyyy):

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	154	1136	3.138	Bot-10	✓	346	✓	✓	✓									
2	155	1137	3.079	300	✓		✓											
3	156	1138	2.975	250	✓		✓											
4	157	1141	4.299	200	✓		✓											
5	158	1142	4.503	175	✓													
6	159	1146	4.788	150	✓													
7	160	1148	4.868	125	✓													
8	161	1153	4.618*	100	✓													
9	162	1158	4.352	75	✓													
10	163	1171	4.778	50	✓													
11	164	1174	5.608	40	✓													
12	165	1175	6.298	30	✓													
13	166	1176	7.053	20	✓													
14	167	1177	8.646	10	✓													
15	168	1180	9.665	5	✓													
16	169	1188	8.541	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: * 161 Bubble on underside of probe titration not correct

SHIP: VECTOR
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 354

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		00:20
Bottom:		00:27
End:		

START POSITION (GPS)
LAT: 49 19.12
LONG: 123 47.95

BOTTOM POSITION (GPS)
LAT: 49 19.16
LONG: 123 47.89

END POSITION (GPS)
LAT: 49 19.22
LONG: 123 47.74

ROSETTE LOG

MISSION ID: 2001-10 STATION: 2 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 20/4/2001

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	170	84	3.650	bot-5	✓ 270													
2	171	255	4.171	250	✓													
3	172	337	4.822	200	✓													
4	173	364	4.931	175	✓													
5	174	392	4.947	150	✓													
6	175	413	4.806	125	✓													
7	176	486	4.409	100	✓													
8	177	534	4.379	75	✓													
9	178	535	4.509	50	✓													
10	179	572	4.666	40	✓													
11	180	582	5.097	30	✓													
12	181	632	5.358	20	✓													
13	182	650	7.692	10	✓													
14	183	657	8.768	5	✓													
15	184	695	8.894	0	✓													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 280

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		04:33
Bottom:		04:38
End:		04:55

START POSITION (GPS)
LAT: 49 24.07
LONG: 124 09.24

BOTTOM POSITION (GPS)
LAT: 49 24.05
LONG: 124 09.23

END POSITION (GPS)
LAT: 49 23.97
LONG: 124 09.32

ROSETTE LOG

MISSION ID: 2001-10 STATION: 3 CAST NUMBER: 58 UTC DATE (dd/mm/yyyy): 20/4/2001

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	185	1215	2.443	bot-5	✓	316	✓	✓	✓							
2	186	1216	2.602	300	✓		✓		✓							
3	187	1218	3.338	250	✓		✓			✓						
4	188	1222	4.141	200	✓		✓									
5	189	1223	4.437	175	✓											
6	190	1224	4.813	150	✓											
7	191	1225	4.757	125	✓											
8	192	1228	4.526	100	✓											
9	193	1230	3.884	75	✓											
10	194	1231	4.311	50	✓											
11	195	1233	5.305	40	✓											
12	196	1328	5.618	30	✓											
13	197	1235	6.851	20	✓											
14	198	1237	7.186	10	✓											
15	199	1238	7.209	5	✓											
16	200	1241	7.271	0	✓											
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR
ENTERED BY: TE
CHECKED BY: MR

Bottom Depth: 325

Cast # down: 58
Cast # up: 58

Time	LOC	UTC
Begin:		0711
Bottom:		0717
End:		0734

START POSITION (GPS)
LAT: 49 26.61
LONG: 124 20 22

BOTTOM POSITION (GPS)
LAT: 49 26 60
LONG: 124 20 21

END POSITION (GPS)
LAT: 49 26 58
LONG: 124 20 35

forgot to change depth

ROSETTE LOG

MISSION ID: 2001-10 STATION: 6 CAST NUMBER: 60 UTC DATE (dd/mm/yyyy): 20 / 4 / 2001

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	201	1244	4.163	Bot-10	✓	186		✓	✓									
2	202	1247	4.172	175	✓													
3	203	1248	4.397	150	✓													
4	204	1249	3.905	125	✓													
5	205	1251	3.897	100	✓													
6	206	1252	3.858	75	✓													
7	207	1254	4.393	50	✓				✓									
8	208	1256	4.725	40	✓													
9	209	1258	5.255	30	✓													
10	210	1260	6.564	20	✓													
11	211	1261	8.171	10	✓													
12	212	1264	8.681	5	✓													
13	213	1329	8.717	0	✓			✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: MR
CHECKED BY: MR

Bottom Depth: 195

Cast # down: 60
Cast # up: 60

Time	LOC	UTC
Begin:		0906
Bottom:		0910
End:		0922

START POSITION (GPS)
LAT: 49° 30.59
LONG: 124° 27.78

BOTTOM POSITION (GPS)
LAT: 49° 30.58
LONG: 124° 27.74

END POSITION (GPS)
LAT: 49° 30.52
LONG: 124° 27.64

ROSETTE LOG

MISSION ID: 2001-10 STATION: 9 CAST NUMBER: 63 UTC DATE (dd/mm/yyyy): 20/4/2001

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	214	1300	2.733	Bot -5	✓	168		✓	✓									
2	215	1301	3.427	150	✓													
3	216	1302	3.930	125	✓	124												
4	217	1303	3.854	100	✓													
5	218	1304	4.355	75	✓													
6	219	1305	4.972	50	✓													
7	220	1306	5.103	40	✓													
8	221	1307	5.998	30	✓													
9	222	1308	7.140	20	✓													
10	223	1309	8.942	10	✓													
11	224	1310	9.011	5	✓													
12	225	1311	9.016	0	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 171

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		11:50
Bottom:		11:53
End:		12:02

START POSITION (GPS)
LAT: 49 35.51
LONG: 124 38.25

BOTTOM POSITION (GPS)
LAT: 49 35.47
LONG: 124 38.22

END POSITION (GPS)
LAT: 49 35.38
LONG: 124 38.17

ROSETTE LOG

MISSION ID: 2001-10 STATION: 12 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 20/4/2001

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	226	1136	3.432	601.5	✓	340	✓	1	1							
2	227	1137	3.539	300	✓		✓									
3	228	1138	3.816	250	✓		✓									
4	229	1141	3.966	200	✓											
5	230	1142	3.869	175	✓											
6	231	1146	3.671	150	✓											
7	232	1148	3.671	125	✓	124										Sample # 330 entered instead of 230 for 02
8	233	1153	3.853	100	✓											
9	234	1158	4.532	75	✓											
10	235	1171	4.795	50	✓											
11	236	1174	4.907	40	✓											
12	237	1175	5.954	30	✓											
13	238	1176	6.355	20	✓											
14	239	1177	8.623	10	✓											
15	240	1180	9.440	5	✓											
16	241	1188	9.446	0	✓			1	1							
17																
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 350

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		13:57
Bottom:		14:04
End:		14:17

START POSITION (GPS)
LAT: 49 43.64
LONG: 124 40.80

BOTTOM POSITION (GPS)
LAT: 49 43.55
LONG: 124 40.71

END POSITION (GPS)
LAT: 49 43.34
LONG: 124 40.50

ROSETTE LOG

MISSION ID: 2001-10 STATION: 14 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy):

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	242	84	3.396	607-5	✓ 308	✓												
2	243	255	3.364	300	✓	✓												
3	244	337	3.400	250	✓	✓												
4	245	364	3.491	200	✓	✓												
5	246	392	3.475	175	✓	✓												
6	247	443	3.644	150	✓													
7	248	486	3.606	125	✓													
8	249	534	4.054	100	✓													
9	250	535	4.243	75	✓													
10	251	572	4.544	50	✓													
11	252	588	4.787	40	✓													
12	253	632	5.703	30	✓													
13	254	650	6.361	20	✓													
14	255	657	7.237	10	✓													
15	256	695	7.445	5	✓													
16	257	697	7.459	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 314

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		16:34
Bottom:		16:40
End:		17:00

START POSITION (GPS)
LAT: 49 52.96
LONG: 124 59.64

BOTTOM POSITION (GPS)
LAT: 49 52.88
LONG: 124 59.59

END POSITION (GPS)
LAT: 49 52.63
LONG: 124 59.40

ROSETTE LOG

MISSION ID: 2001-10 STATION: 16 CAST NUMBER: 70 UTC DATE (dd/mm/yyyy): 20/4/2001

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	258	709	3.518	bot-5	✓ 145													
2	259	712	3.563	125	✓													
3	260	715	4.016	100	✓			✓										
4	261	727	4.425	75	✓													
5	262	730	4.791	50	✓													
6	263	1105	4.819	40	✓													
7	264	1110	4.857	30	✓													
8	265	1126	5.044	20	✓													
9	266	1128	5.927	10	✓													
10	267	1130	6.308	5	✓													
11	268	1134	6.408	0	✓													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
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20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: JL
CHECKED BY: MR

Bottom Depth: 153

Cast # down: 70
Cast # up: 70

Time	LOC	UTC
Begin:		1831
Bottom:		1834
End:		1845

START POSITION (GPS)
LAT: 49 57 65
LONG: 125 08 88

BOTTOM POSITION (GPS)
LAT: 49 57 62
LONG: 125 08 89

END POSITION (GPS)
LAT: 49 57 56
LONG: 125 08 77

ROSETTE LOG

MISSION ID: 2001-10 STATION: 39 2nd line CAST NUMBER: 76 UTC DATE (dd/mm/yyyy): 21/04/01

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	269	1215	4.421	Bot-5	✓ 370	✓		✓								
2	270	1216	3.338	350	✓	✓										
3	271	1218	3.669	300	✓	✓										
4	272	1222	4.555	250	✓	✓										
5	273	1223	4.989	200	✓	✓										
6	274	1224	4.830	175	✓											
7	275	1225	4.667	150	✓											
8	276	1228	4.791	125	✓											
9	277	1230	4.728	100	✓											
10	278	1231	4.551	75	✓											
11	279	1233	4.438	50	✓											
12	280	1328	4.525	40	✓											
13	281	1235	4.761	30	✓											
14	282	1237	5.700	20	✓											
15	283	1238	8.000	10	✓											
16	284	1241	7.948	5	✓											
17	285	1243	7.982	0	✓			✓								
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VETOR
ENTERED BY: MR
CHECKED BY:

Bottom Depth: 380

Cast # down: 76
Cast # up:

Time LOC UTC
Begin: 04:54
Bottom:
End: 05:22

START POSITION (GPS)
LAT: 49 09.81
LONG: 123 32.99

BOTTOM POSITION (GPS)
LAT: 49 09.77
LONG: 123 32.75

END POSITION (GPS)
LAT: 49 09.51
LONG: 123 32.39