

ROSETTE LOG

MISSION ID: 2001-19 STATION: S.I. CAST NUMBER: 1 UTC DATE (dd/mm/yyyy): 26/6/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Comments / Elapsed time
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	1	1332	2.323	Bot-10	/ 160			I	I									
2	2	1333		100	/			I	I									titration failed - good
3	3	1334	3.452	75	/			I	I									134
4	4	1335	4.649	50	/			I	I									135
5	5	1336	5.343	25	/			I	I									146
6	6	1337	7.919	0				I	I									Clean the kit?? = " 286"
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 121m

Cast # down: 1
Cast # up: 1

Time	LOC	UTC
Begin:		1:27
Bottom:		1:31
End:		1:40

START POSITION (GPS)
LAT: 48 39 13
LONG: 123 29 53

BOTTOM POSITION (GPS)
LAT: 48 39 13
LONG: 123 29 52

END POSITION (GPS)
LAT: 48 39 10
LONG: 123 29 49

ROSETTE LOG

MISSION ID: 2001-19 STATION: 59 CAST NUMBER: 2 UTC DATE (dd/mm/yyyy): 26/6/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												Comments / Elapsed time
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	7	1338	—	bot-5	✓ 225													Clean the kit! changed Microrelax assembly → program aborted + stroke
2	8	1339	3.836	190	✓													139
3	9	1340	3.897	175	✓													147
4	10	1341	4.126	150	✓													153
5	11	1342	4.203	125	✓													149
6	12	1343	4.290	100	✓													140
7	13	1344	4.377	75	✓													140
8	14	1345	4.409	50	✓													147
9	15	1346	4.381	40	✓													155
10	16	1347	4.435	30	✓													137
11	17	1348	4.416	20	✓													156
12	18	1349	4.584	10	✓													117
13	19	1350	4.475	5	✓													189
14	20	1351	4.469	0	✓													150
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: large angle on cable (strong current)

SHIP: vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 234

Cast # down: 2
Cast # up: 2

Time	LOC	UTC
Begin:		3:36
Bottom:		3:44
End:		3:59

START POSITION (GPS)
LAT: 48 37.84
LONG: 123 14.53

BOTTOM POSITION (GPS)
LAT: 48 37.97
LONG: 123 14.45

END POSITION (GPS)
LAT: 48 38.20
LONG: 123 14.17

ROSETTE LOG

MISSION ID: 2001-19 STATION: 102 CAST NUMBER: 6 UTC DATE (dd/mm/yyyy): 26/6/2001

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	1352	1.687	Bot-5	✓	252												108
2	22	1353	1.686	250	✓	252												106
3	23	1354	1.613	200	✓													98
4	24	1355	1.848	175	✓													111
5	25	1356	2.349	150	✓													111
6	26			125	✓													
7	27	1359	2.280	100	✓													102
8	28	1360	2.497	75	✓													
9	29	1361	3.610	50	✓													130
10	30	1302	3.863	40	✓													132
11	31	1303	4.122	30	✓													143
12	32	1304	5.261	20	✓													146
13	33	1305	5.885	10	✓													138
14	34	1306	6.004	5	✓													149
15	35	1307	6.191	0	✓													150
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 260

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		13:12
Bottom:		13:18
End:		13:29

START POSITION (GPS)		
LAT:	48	29.98
LONG:	124	44.06

BOTTOM POSITION (GPS)		
LAT:	48	29.93
LONG:	124	44.23

END POSITION (GPS)		
LAT:	48	29.87
LONG:	124	44.49

Comments: * BOT 6 did not close *

ROSETTE LOG

MISSION ID: 2001-19 STATION: 75 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): 26/6/2001

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	1331	1.801	Bot	✓	218	X											
2	37	1309	1.759	200	✓		X											
3	38	1310	1.738	195	✓		X											
4	39	1311	1.775	150	✓													
5	40	1312	1.849	125	✓													
6	41	1313	2.274	100	✓													
7	42	1314	2.451	75	✓													
8	43	1315	3.202	50	✓													
9	44	1316	3.625	40	✓													
10	45	1317	4.102	30	✓													
11	46	1318	4.481	20	✓													
12	47	1319	5.333	10	✓													
13	48	1320	5.436	5	✓													
14	49	1322		0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth: 222

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		16:07
Bottom:		16:12
End:		16:29

START POSITION (GPS)

LAT: 48 28.21

LONG: 124 32.80

BOTTOM POSITION (GPS)

LAT: 48 28.21

LONG: 124 32.81

END POSITION (GPS)

LAT: 48 28.30

LONG: 124 32.80

ROSETTE LOG

MISSION ID: 2001-19 STATION: 72 CAST NUMBER: 12 UTC DATE (dd/mm/yyyy): 26/6/2001

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	1322	1.775	Bot	✓ 177			✓	✓									→ this should be at 181m
2	51	1323	1.805	175	✓ 162-165													
3	52	1324	1.776	150	✓													
4	53	1325	1.781	125	✓													
5	54	1326	1.715	100	✓ 100-103													
6	55	1327	2.196	75	✓ 75-78													
7	56	1328	3.393	50	✓ 50-53													
8	57	1329	3.687	40	✓													
9	58	1330	3.741	30	✓													
10	59	1397	3.922	20	✓													
11	60	1321	4.079	10	✓													
12	61	1393	4.080	5	✓													
13	62	1092	4.179	0	✓													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP:
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 186 m

Cast # down: 12
Cast # up: 12

Time	LOC	UTC
Begin:		20:25
Bottom:		20:30
End:		20:44

START POSITION (GPS)
LAT: 48 18 70
LONG: 124 04 22

BOTTOM POSITION (GPS)
LAT: 48 18 95
LONG: 124 04 64

END POSITION (GPS)
LAT: 48 19 25
LONG: 124 05 26

MISSION ID: 2001-19 STATION: 19 CAST NUMBER: 15 UTC DATE (dd/mm/yyyy): 27/6/2001

SHIP: <u>VECTOR</u>		
ENTERED BY:		
CHECKED BY:		
Bottom Depth: <u>180</u>		
Cast # down:		
Cast # up:		
Time	LOC	UTC
Begin:		<u>00.01</u>
Bottom:		<u>00.05</u>
End:		<u>00.23</u>
START POSITION (GPS)		
LAT:	<u>48</u>	<u>15.63</u>
LONG:	<u>123</u>	<u>43.22</u>
BOTTOM POSITION (GPS)		
LAT:	<u>48</u>	<u>15.65</u>
LONG:	<u>123</u>	<u>43.21</u>
END POSITION (GPS)		
LAT:	<u>48</u>	<u>16.11</u>
LONG:	<u>123</u>	<u>43.67</u>

Comments:

ROSETTE LOG

MISSION ID: 2001-19 STATION: ADCP CAST NUMBER: 18 UTC DATE (dd/mm/yyyy): 27/06/2001

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	75	2025	2.373	bot-5	V 114													
2	76	2027	2.395	100	V													
3	77	2032	3.189	75	V													
4	78	2033	3.608	50	V													
5	79	2035	3.946	40	V													
6	80	2036	3.982	30	V													
7	81	2040	3.902	20	V													
8	82	2043	4.045	10	V													
9	83	2044	4.368	5	V													
10	84	2047	4.637	0	V													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 116

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		3:15
Bottom:		3:19
End:		3:27

START POSITION (GPS)
LAT: 48 13.36
LONG: 123 17.66

BOTTOM POSITION (GPS)
LAT: 48 13.35
LONG: 123 17.49

END POSITION (GPS)
LAT: 48 13.90
LONG: 123 17.13

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 65 CAST NUMBER: 22 UTC DATE (dd/mm/yyyy): 27/6/2001

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	97	1344	2.652	Bot	✓	121												
2	98	1345	2.789	100	✓													
3	99	1346	3.746	75	✓													
4	100	1347	4.069	50	✓													
5	101	1348	4.148	40	✓													
6	102	1349	4.197	30	✓													
7	103	1350	4.290	20	✓													
8	104	1351	4.546	10	✓													
9	105	1352	4.960	5	✓													
10	106	1353	4.984	0	✓													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 126

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		6:11
Bottom:		6:14
End:		6:24

START POSITION (GPS)
LAT: 48 15.93
LONG: 123 9.98

BOTTOM POSITION (GPS)
LAT: 48 15.92
LONG: 123 10.02

END POSITION (GPS)
LAT: 48 15.85
LONG: 123 10.13

0/6

ROSETTE LOG

MISSION ID: 2001-19 STATION: 62 CAST NUMBER: 25 UTC DATE (dd/mm/yyyy): 27/6/2001

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	85	1332	2.856	Bot-5	✓ 140	x												
2	86	1333	3.099	150	✓ 130	x												
3	87	1334	3.157	125	✓ 125.4	x												
4	88	1335	3.254	100	✓													
5	89	1336	3.506	75	✓													
6	90	1337	4.071	50	✓													
7	91	1338	4.095	40	✓													
8	92	1339	4.219	30	✓													
9	93	1340	4.491	20	✓													
10	94	1341	4.631	10	✓													
11	95	1342	4.830	5	✓													
12	96	1343	4.972	0	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 148

Cast # down: 24
Cast # up: 24

Time	LOC	UTC
Begin:		9:16
Bottom:		9:22
End:		9:34

START POSITION (GPS)
LAT: 48 22 80
LONG: 123 02 61

BOTTOM POSITION (GPS)
LAT: 48 22 79
LONG: 123 02 59

END POSITION (GPS)
LAT: 48 22 82
LONG: 123 02 59

Comments: Modified sample depths based on water depth. for first 2 NISKIN

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 56 CAST NUMBER: 30 UTC DATE (dd/mm/yyyy): 27/6/2001

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	107	1354	3.994	Bot-5	✓	215	✓											
2	108	1355	4.043	200	✓		✓											
3	109	1356	4.128	175	✓		✓											
4	110	1357	4.228	150	✓													
5	111	1358	4.218	125	✓													
6	112	1359	4.367	100	✓													
7	113	1360	4.486	75	✓													
8	114	1361	4.593	50	✓													
9	115	1362	4.496	40	✓													
10	116	1363	4.539	30	✓													
11	117	1364	4.840	20	✓													
12	118	1365	5.013	10	✓													
13	119	1366	5.106	5	✓													
14	120	1367	5.139	0	✓													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

OK

SHIP:
ENTERED BY:
CHECKED BY:

Bottom Depth: 217

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		15:28
Bottom:		15:34
End:		15:50

START POSITION (GPS)
LAT: 48 46.39
LONG: 123 1.56

BOTTOM POSITION (GPS)
LAT: 48 46.37
LONG: 123 1.50

END POSITION (GPS)
LAT: 48 46.29
LONG: 123 1.40

ROSETTE LOG

MISSION ID: 2001-19 STATION: 46 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 27/6/2001

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	121	1331	4.254	Bot-5	✓ 175										.715			133.73
2	122	1309	4.289	175	✓ 160										.711			131.94
3	123	1310	4.308	150	✓										.715			132.09
4	124	1311	4.335	125	✓										.707			129.82
5	125	1312	4.249	100	✓										.730			136.70
6	126	1313	4.212	75	✓										.723			136.56
7	127	1314	4.554	50	✓										.781			136.53
8	128	1315	4.763	40	✓										.833			139.25
9	129	1316	4.930	30	✓										.837			135.24
10	130	1317	5.146	20	✓										.898			139.01
11	131	1318	6.029	10	✓										1.011			133.76
12	132	1319	6.91	5	✓	133.62				.456 + .668		1.124						Program froze, restarted
13	133	1320	7.580	0	✓	136.20						1.281						same titration, results
14																		from sample 132
15																		not valid. Program
16																		not using blanks and
17																		standards run at
18																		start of cruise, instead
19																		using old blanks &
20																		standards values that
21																		were on computer before
22																		current blanks and
23																		standards were run.
24																		

SHIP: VECTOR
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 180 m

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:		22 32
Bottom:		22 36
End:		22 49

START POSITION (GPS)
LAT: 48 51 37
LONG: 123 10 80

BOTTOM POSITION (GPS)
LAT: 48 51 36
LONG: 123 10 39

END POSITION (GPS)
LAT: 48 51 36
LONG: 123 10 86

no oxygen file

Comments:

ROSETTE LOG

MISSION ID: 2001-19 STATION: 42 CAST NUMBER: 41 UTC DATE (dd/mm/yyyy): 28/6/2001

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	134	1322	4.246	Bot-S	✓ 313	X										using old bts
2	135	1323	4.180	300	✓ 313	X										
3	136	1324	4.251	250	✓	X										
4	137	1325	4.380	200	✓											
5	138	1326	4.421	175	✓											
6	139	1327	4.346	150	✓											
7	140	1328	4.332	125	✓											
8	141	1329	4.072	75	✓											
9	142	1330	4.152	50	✓											
10	143	1397	4.284	40	✓											
11	144	1321	4.382	30	✓											
12	145	1394	4.736	20	✓											
13	146	1393	6.285	10	✓											
14	147	1392	6.725	5	✓											
15	148	1395	7.206	0	✓											
16																
17																
18																
19																
20																
21																
22																
23																
24																

Comments: * no bottle at 100 m *

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 322

Cast # down: 41
Cast # up: 41

Time	LOC	UTC
Begin:		00:55
Bottom:		01:06
End:		01:19

START POSITION (GPS)
LAT: 49 1.80
LONG: 123 26.30

BOTTOM POSITION (GPS)
LAT: 49 1.92
LONG: 123 26.52

END POSITION (GPS)
LAT: 49 1.92
LONG: 123 26.84

0/

ROSETTE LOG

MISSION ID: 2001-19 STATION: 39 CAST NUMBER: 45 UTC DATE (dd/mm/yyyy): 28/6/2001

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	150	2035	4.116	Bot-S	✓ 368	✓											
2	151	1398	4.157	350	✓	✓											
3	152	2051	4.238	300	✓	✓											
4	153	2000	4.275	250	✓	✓											
5	154	2007	4.355	200	✓												
6	155	2049	4.337	175	✓												
7	156	2005	4.341	150	✓												
8	157	2017	4.371	125	✓												
9	158	2019	3.922	100	✓												
10	159	2025	4.007	75	✓												
11	160	2027	4.334	50	✓												
12	161	2032	4.660	60	✓												
13	162	2033	5.061	30	✓												
14	163	2035	5.766	20	✓												
15	164	2036	5.977	10	✓												
16	165	2040	6.737	5	✓												
17	166	2043	7.071	0	✓												
18																	
19																	
20																	
21																	
22																	
23																	
24																	

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 377

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		4:30
Bottom:		4:37
End:		4:58

START POSITION (GPS)

LAT: 49 9 85

LONG: 123 33.03

BOTTOM POSITION (GPS)

LAT: 49 9.93

LONG: 123 32 99

END POSITION (GPS)

LAT: 49 10.46

LONG: 123 32 91

Comments:

ROSETTE LOG

MISSION ID: 2001-19 STATION: 27 CAST NUMBER: 47 UTC DATE (dd/mm/yyyy): 28/06/01

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	167	1332	4.227	Bot-5	✓ 341	X										
2	168	1333	4.229	300	✓	X										
3	169	1334	4.067	250	✓	X										
4	170	1335	4.205	200	✓	X										
5	171	1336	4.309	175	✓											
6	172	1337	4.405	150	✓											
7	173	1338	4.369	125	✓											
8	174	1339	4.268	100	✓											
9	175	1340	4.109	75	✓											
10	176	1341	4.129	50	✓											
11	177	1342	4.269	40	✓											
12	178	1343	4.239	30	✓											
13	179	1344	4.573	20	✓											
14	180	1345	6.041	10	✓											
15	181	1346	6.912	5	✓											
16	182	1347	6.566	0	✓											
17																
18																
19																
20																
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Comments:

SHIP: VECTOR
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 347

Cast # down: 47
Cast # up: 47

Time	LOC	UTC
Begin:		7.11
Bottom:		7.19
End:		7.38

START POSITION (GPS)
LAT: 49 19 11
LONG: 123 47 93

BOTTOM POSITION (GPS)
LAT: 49 19 08
LONG: 123 47 89

END POSITION (GPS)
LAT: 49 19 09
LONG: 123 47 77

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 16 CAST NUMBER: 53 UTC DATE (dd/mm/yyyy): 28/6/2001

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	183	1348	3.984	bot-5	✓ 146											
2	184	1349	3.961	125	✓											
3	185	1350	3.835	100	✓											
4	186	1351	3.811	75	✓											
5	187	1352	3.927	50	✓											
6	188	1353	3.982	40	✓											
7	189	1354	4.054	30	✓											
8	190	1355	4.484	20	✓											
9	191	1356	5.146	10	✓											
10	192	1357	5.264	5	✓											
11	193	1358	5.584	surf.	✓											
12																
13																
14																
15																
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24																

Comments:

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 150

Cast # down: 53

Cast # up: 53

Time	LOC	UTC
Begin:		18:58
Bottom:		19:02
End:		19:13

START POSITION (GPS)

LAT: 49 57.67

LONG: 125 8.93

BOTTOM POSITION (GPS)

LAT: 49 57.66

LONG: 125 9.00

END POSITION (GPS)

LAT: 49 57 66

LONG: 125 09 19

ROSETTE LOG

MISSION ID: 2001-19 STATION: 14 CAST NUMBER: 55 UTC DATE (dd/mm/yyyy): 28/06/01

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	194	1359	3.585	Bot-5	✓ 310	X												
2	195	1360	3.605	300	✓	X												
3	196	1361	6.226	250	✓	X												
4	197	1302	5.343	200	✓													
5	198	1303	4.020	175	✓													
6	199	1304	3.964	150	✓													
7	200	1305	3.662	125	✓													
8	201	1306	3.525	100	✓													
9	202	1307	3.911	75	✓													
10	203	1331	4.069	50	✓													
11	204	1309	4.186	40	✓													
12	205	1310	4.745	30	✓													
13	206	1311	6.278	20	✓													
14	207	1312	6.595	10	✓													
15	208	1313	7.034	5	✓													
16	209	1314	8.085	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR.
ENTERED BY: CW
CHECKED BY:

Bottom Depth: 315

Cast # down: 55
Cast # up: 55

Time	LOC	UTC
Begin:		20:32
Bottom:		20:38
End:		20:53

START POSITION (GPS)
LAT: 49 52 99
LONG: 124 59 55

BOTTOM POSITION (GPS)
LAT: 49 52 97
LONG: 124 59 50

END POSITION (GPS)
LAT: 49 53 07
LONG: 124 59 81

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 12 CAST NUMBER: 59 UTC DATE (dd/mm/yyyy): 29/6/2001

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	210	1315	3.766	bot-5	✓ 350	X										
2	211	1316	3.735	350	✓ 350	X										
3	212	1317	3.941	300	✓	X										
4	213	1318	3.977	250	✓	X										
5	214	1319	4.054	200	✓											
6	215	1320	4.077	175	✓											
7	216	1322	4.014	150	✓											
8	217	1323	4.121	125	✓											
9	218	1324	4.100	100	✓											
10	219	1325	3.335	75	✓											
11	220	1326	3.441	50	✓											
12	221	1327	3.527	40	✓											
13	222	1328	4.169	30	✓											
14	223	1329	4.238	20	✓											
15	224	1330	6.727	10	✓											
16	225	1397	6.845	5	✓											
17	226	1308	6.817	0	✓											
18																
19																
20																
21																
22																
23																
24																

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2:37
Bottom:		2:45
End:		3:02

START POSITION (GPS)
LAT: 49 43.73
LONG: 124 40.68

BOTTOM POSITION (GPS)
LAT: 49 43.85
LONG: 124 40.74

END POSITION (GPS)
LAT: 49 44.05
LONG: 124 40.92

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 8 CAST NUMBER: 62 UTC DATE (dd/mm/yyyy): 29/6/2001

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	227	1394	3.987	Bot-5	✓ 3/2	✓												
2	228	1393	3.925	300	✓	✓												
3	229	1392	3.903	250	✓	✓												
4	230	1395	3.919	200	✓													
5	231	2056	3.977	175	✓													
6	232	2055	4.105	150	✓													
7	233	1398	4.126	125	✓													
8	234	2051	3.798	100	✓													
9	235	2000	3.842	75	✓													
10	236	2007	3.708	50	✓													
11	237	2049	3.967	40	✓													
12	238	2015	4.063	30	✓													
13	239	2017	4.550	20	✓													
14	240	2019	6.413	10	✓													
15	241	2025	6.671	5	✓													
16	242	2027	6.546	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 325

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		5:09
Bottom:		5:16
End:		5:32

START POSITION (GPS)
LAT: 49 39.58
LONG: 124 32.88

BOTTOM POSITION (GPS)
LAT: 49 39.65
LONG: 124 32.88

END POSITION (GPS)
LAT: 49 39.78
LONG: 124 32.93

ROSETTE LOG

MISSION ID: 2001-19 STATION: 6 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 29/6/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		Cl3						
							OXY				ALK		CHL					
1	243	2032	4.164	Bot-10	✓ 187													
2	244	2033	4.185	175	✓													
3	245	2035	4.273	150	✓													
4	246	2036	4.235	125	✓													
5	247	2040	4.156	100	✓													
6	248	2043	3.459	75	✓													
7	249	2044	3.706	50	✓													
8	250	2047	3.749	40	✓													
9	251	2014	3.860	30	✓													
10	252	1399	4.032	20	✓													
11	253	1347	5.187	10	✓													
12	254	1333	6.627	5	✓													
13	255	1334	6.558	0	✓													
14																		
15																		
16																		
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21																		
22																		
23																		
24																		

SHIP: VECTOR

ENTERED BY:

CHECKED BY:

Bottom Depth: 192

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		7:15
Bottom:		7:19
End:		7:34

START POSITION (GPS)

LAT: 49 30.92

LONG: 124 27.80

BOTTOM POSITION (GPS)

LAT: 49 30.52

LONG: 124 27.81

END POSITION (GPS)

LAT: 49 30.58

LONG: 124 27.89

Comments:

OK

ROSETTE LOG

MISSION ID: 2001-19 STATION: 3 CAST NUMBER: 67 UTC DATE (dd/mm/yyyy): 29/6/2001

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL		NUT		TCO		C13						
1	256	1335	3.965	Bot-5	✓ 320	X												
2	257	1336	3.975	300	✓	X												
3	258	1337	3.859	250	✓	X												
4	259	1338	4.072	200	✓													
5	260	1339	4.239	175	✓													
6	261	1340	4.303	150	✓													
7	262	1341	4.248	125	✓													
8	263	1342	4.184	100	✓													
9	264	1343	3.954	75	✓													
10	265	1344	3.772	50	✓													
11	266	1345	3.874	40	✓													
12	267	1346	3.964	30	✓													
13	268	1332	4.256	20	✓													
14	269	1348	6.294	10	✓													
15	270	1349	6.660	5	✓													
16	271	1350	6.573	0	✓													
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: VECTOR
 ENTERED BY: _____
 CHECKED BY: _____

Bottom Depth: 324

Cast # down: _____
 Cast # up: _____

Time	LOC	UTC
Begin:		08:35
Bottom:		9:42
End:		10:00

START POSITION (GPS)
 LAT: 49 26.53
 LONG: 124 20 17

BOTTOM POSITION (GPS)
 LAT: 49 26.56
 LONG: 124 20.12

END POSITION (GPS)
 LAT: 49 26.48
 LONG: 124 20.01

Comments: _____

ROSETTE LOG

MISSION ID: 2001-19 STATION: 2 CAST NUMBER: 68 UTC DATE (dd/mm/yyyy): 29/6/2001

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	272	1351	4.040	Bot-S	V 278													
2	273	1352	4.003	250	V													
3	274	1353	4.111	200	V													
4	275	1354	4.355	175	V													
5	276	1356	4.381	150	V													
6	277	1357	4.367	125	V													
7	278	1358	4.130	100	V													
8	279	1359	4.050	75	V													
9	280	1360	4.130	50	V													
10	281	1361	4.141	40	V													
11	282	1366	4.294	30	V													
12	283	1362	4.773	20	V													
13	284	1363	6.145	10	V													
14	285	1364	6.402	5	V													
15	286	1365	6.783	0	V													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: VECTOR
ENTERED BY:
CHECKED BY:

Bottom Depth: 282

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		10:50
Bottom:		10:56
End:		11:08

START POSITION (GPS)
LAT: 49 26 08
LONG: 124 9.32

BOTTOM POSITION (GPS)
LAT: 49 26.07
LONG: 124 9.30

END POSITION (GPS)
LAT: 49 24.08
LONG: 124 9.34

0/