

ROSETTE LOG

MISSION ID: 1002-26
STATION NAME: SIUTC DATE y/m/d: 15 July
CAST NUMBER: 1SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	1	1291	0.0	bot	137			1	1										
2	2	1292	3.726	50	50.3														
3	3	1293	5.102	20	19.9														
4	4	1294	8.639	surf.	0.8														
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY: W
CHECKED BY:Bottom Depth: 110Cast # down: 1

Cast # up:

Time	LOC	UTC
Begin:		<u>23:34</u>
Bottom:		<u>23:37</u>
End:		<u>23:42</u>

START POSITION (GPS)	
LAT:	<u>48 38 98</u>
LONG:	<u>123 29 65</u>

BOTTOM POSITION (GPS)	
LAT:	<u>48 38 98</u>
LONG:	<u>123 29 66</u>

END POSITION (GPS)	
LAT:	<u>48 38 99</u>
LONG:	<u>123 29 64</u>

ROSETTE LOG

MISSION ID: 2602-26
STATION NAME: 59UTC DATE y/m/d: 16 July/02
CAST NUMBER: 2

SHIP: vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	5	1295	2.778	805	227	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

ENTERED BY: *Ray M*
CHECKED BY:

Bottom Depth: 229

Cast # down: 20

Cast # up:

Time	LOC	UTC
Begin:		1:46
Bottom:		1:51
End:		2:00

START POSITION (GPS)
LAT: 48 37.80
LONG: 123 14 56BOTTOM POSITION (GPS)
LAT: 48 37 82
LONG: 123 14 60END POSITION (GPS)
LAT: 48 37 98
LONG: 123 14 66

Comments:

ROSETTE LOG

MISSION ID: 2002-26

STATION: 102

CAST NUMBER: 6

UTC DATE (dd/mm/yyyy):

16 July 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	19	1311	1.665	ROT	✓ 249													
2	20		1.670	250	✓ 249													
3	21		1.706	200	✓ 201													
4	22		1.626	175	✓ 174.5													
5	23	1316	1.884	150	✓ 150.6													
6	24		1.978	125	✓ 124.8													
7	25		2.135	100	✓ 101.7													
8	26		2.452	75	✓ 75.4													
9	27		2.524	50	✓ 50													
10	28		3.099	40	✓ 40.5													
11	29	1322	3.394	30	✓ 30.2													
12	30		3.900	20	✓ 20.2													
13	31	1324	4.906	10	✓ 9.8													
14	32		5.033	5	✓ 5.6													
15	33	1326	5.150	0	✓ 1.1													
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 260

Cast # down:

Cast # up:

Time LOC UTC

Begin: 11:34

Bottom: 11:40

End: 11:49

START POSITION (GPS)

LAT: 48 30.03

LONG: 124 43.97

BOTTOM POSITION (GPS)

LAT: 48 30.05

LONG: 124 43.96

END POSITION (GPS)

LAT: 48 30.05

LONG: 124 43.94

ROSETTE LOG

MISSION ID: 2002-26 STATION: 75 CAST NUMBER: 9 UTC DATE (dd/mm/yyyy): July 16

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	34		1.594	BOT	✓ 218	✓												
2	35		1.605	200	✓ 200.2	✓												
3	36		1.615	175	✓ 176													
4	37			150	✓ 152													
5	38		1.875	125	✓ 125.4													
6	39		1.752	100	✓ 101													
7	40		2.052	75	✓ 75.2													
8	41		2.187	50	✓ 50.8													
9	42		2.850	40	✓ 40.4													
10	43		3.177	30	✓ 30.6													
11	44		3.790	20	✓ 20.3													
12	45		4.492	10	✓ 10.6													
13	46		4.900	5	✓ 5.6													
14	47		5.061	Surf	✓ 0.8													
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: bottle 4 did not close

SHIP:
ENTERED BY: *Lyette*
CHECKED BY:

Bottom Depth:

Cast # down: 9
Cast # up:

Time	LOC	UTC
Begin:		14:22
Bottom:		14:28
End:		14:37

START POSITION (GPS)
LAT: 48 28 12
LONG: 124 32 89

BOTTOM POSITION (GPS)
LAT: 48 28 13
LONG: 124 32 87

END POSITION (GPS)
LAT: 48 28 15
LONG: 124 32 85

ROSETTE LOG

MISSION ID: 2002-26
STATION NAME: 72

UTC DATE y/m/d: 2002/07/16
CAST NUMBER: 11

SHIP: CCS Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	48	1342	1.518	bottom	185		✓	✓	✓									
2	49		1.686	175	175		✓											
3	50		1.539	150	150		✓											
4	51		1.567	125	125													
5	52		1.625	100	100													
6	53		2.156	75	75													
7	54		2.827	50	50													
8	55		2.990	40	40													
9	56		3.244	30	30													
10	54		3.843	20	19													
11	58			10	10													
12	59		4.191	5	5													
13	60	1356	4.241	0	0.8			✓	✓									
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: 8
CHECKED BY:

Bottom Depth: ~190 (no reading @ surface)

Cast # down: 11
Cast # up: 11

Time	LOC	UTC
Begin:	10:35	17:35
Bottom:	10:39	17:39
End:	10:50	17:50

START POSITION (GPS)
LAT: 48°18.66'
LONG: 124°04.05'

BOTTOM POSITION (GPS)
LAT: 48°18.68'
LONG: 124°04.05'

END POSITION (GPS)
LAT: 48°18.69'
LONG: 124°04.17'

Comments:

ROSETTE LOG

MISSION ID: 2002-26
STATION NAME: TOW-70 71-73

UTC DATE y/m/d: 16 July
CAST NUMBER: 12-229

SHIP: Vector

ENTERED BY: ST
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time LOC UTC
Begin:
Bottom:
End:

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

		ROSETTE OPERATION		Samples taken											
Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		
							OXY		CHL		C13	TOC			
12	1	61		BOTTOM	150	✓							1.731		
	2	62		100	100	✓							1.806		
	3	63		30	30	✓							3.336		
→	4	64		0	1	✓							1.560		*bottle leaked (spigot)
	5	65		BOTTOM	179	✓									
	6	66		100	100	✓									
	7	67		30	30	✓									
	8	68		0	1	✓									
16	9	69		BOTTOM	185	✓							1.507		
	10	70		100	100	✓							1.823		
	11	71		30	30	✓							3.446		
	12	72		0	1.5	✓							4.611		
	13	73		BOTTOM	167	✓							1.539		channel in line
18	14	74		100	100	✓							1.588		
	15	75		30	30	✓							3.486		
	16	76		0	1.5	✓							4.180		
	17	77		BOTTOM	81	✓							2.778		
20	18	78		100	81	✓							2.249		
→	19	79		30	30	✓							1.648		
	20	80		0	2.0	✓									
	21	81		BOTTOM	100	✓							1.829		
	22	82		100	100	✓							1.844		
	23	83		30	30	✓							3.958		
22	24	84		0	1.7	✓							4.166		

Comments: * 11 casts in a line in one shot.
#61 surface sample accidentally taken under way - spigot was also open.

ROSETTE LOG

MISSION ID:

2002-26

UTC DATE y/m/d:

July 17

STATION NAME:

69

CAST NUMBER:

24

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	85		1.636	201	174	✓												
2	86		1.649	150	149	✓												
3	87		1.614	125	125	✓												
4	88		1.927	100	100.8	✓												
5	89		2.681	75	75	✓												
6	90		3.378	50	50.7	✓												
7	91		3.347	40	40.5	✓												
8	92		3.639	30	30.7	✓												
9	93		3.747	20	20.5	✓												
10	94		3.888	10	10.4	✓												
11	95		3.974	5	5	✓												
12	96		4.174	0	1	✓												
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

Bottom:

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 2002-26
STATION NAME: ADCP → STD 400UTC DATE y/m/d: 02/07/17
CAST NUMBER: 27SHIP: CCGS Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
							OXY		CHL		C13							
1	97	1305	1.885	bottom	116		✓											
2	98		1.871	100	100		✓											
3	99		1.939	75	74		✓											
4	100		2.630	50	50													
5	101		2.865	40	40													
6	102		3.394	30	30													
7	103		3.792	20	20													
8	104		4.721	10	10													
9	105		4.811	5	4													
10	106		4.803	0	1													
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: 8

CHECKED BY:

Bottom Depth: 122mCast # down: 27Cast # up: 27

Time	LOC	UTC
Begin:	20:37	03:37
Bottom:	20:41	03:41
End:	20:49	03:49

START POSITION (GPS)

LAT: 48 13.94LONG: 123 17.79

BOTTOM POSITION (GPS)

LAT: 48 13.93LONG: 123 17.69

END POSITION (GPS)

LAT: 48 13.84LONG: 123 17.38

Comments:

ROSETTE LOG

MISSION ID: 2002-26 STATION: 62 CAST NUMBER: 31 UTC DATE (dd/mm/yyyy): 17/07/2002

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	107	1304	2.452	bottom	✓ 137	✓	✓	✓										
2	108		2.612	125	✓ 125	✓												
3	109		2.875	100	✓ 102	✓												
4	110		3.032	75	✓ 75													
5	111		3.445	50	✓ 50													
6	112		3.564	40	✓ 40													
7	118		3.590	30	✓ 30													
8	114		3.588	20	✓ 20													
9	115		3.699	10	✓ 10													
10	116		3.882	5	✓ 5			✓	✓									
11	117		4.350	0	1.1			✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: CCGS Vector

ENTERED BY: SP/ST

CHECKED BY:

Bottom Depth: 151

Cast # down: 31

Cast # up: 31

Time	LOC	UTC
Begin:		0650
Bottom:		0653
End:		0703

START POSITION (GPS)

LAT: 48° 22.83

LONG: 123° 02.60

BOTTOM POSITION (GPS)

LAT: 48° 22.87

LONG: 123° 02.62

END POSITION (GPS)

LAT: 48° 22.77

LONG: 123° 02.65

bgm 2001 rosette.xls

MISSION ID: 2002-26 STATION: 65 CAST NUMBER: 32 UTC DATE (dd/mm/yyyy): 17/07/2002

SHIP: CCGS Vector
ENTERED BY: 8/ST
CHECKED BY:

Bottom Depth: 128

Cast # down: 32

Cast # up:

Time	LOC	UTC
Begin:		0804
Bottom:		0806
End:		0814

START POSITION (GPS)

LAT: 48° 15.92

LONG: 123' 09.84

BOTTOM POSITION (GPS)

LAT: 48°15' 92

LONG: 123.09.90

END POSITION (GPS)

LAT: 48° 15.91

LONG: 123° 09.13

Comments:

RQSETTE LOG

MISSION ID: 2002-26 STATION: 56 CAST NUMBER: 39 UTC DATE (dd/mm/yyyy): 10/07/02

Niskin No.	Sample No.	OXY. Flask	OXY. ml/l	ROSETTE OPERATION		Samples taken												
				Sample Depth	Confirmed pressure	SAL			NUT		TCO		C13					
1	128	1348	3.251	bottom	208	✓												Wrong number in sample
-2	129	1349		200	175	✓												bottle not fired
3	130	1349	3.334	175	150	✓												⇒ this sample is in bottle 2
4	131	1350	3.544	150	125													with subsequent
5	132	1351	3.575	125	107													Samples off by 1 bottle
6	133	1352	3.605	100	75													Rosette blank 2 m while waiting 6 min
7	134	1353	3.657	75	50													tried coming up at speed, but still sank 2 minutes waiting
8	135	1354	3.883	50	40													- 1 passed again this time
9	136	1356	3.888	40	30													diagnose still
10	137	1357	3.931	30	20													
11	138	1358	3.794	20	10													
12	139	1360	4.195	10	5													
13	140	1359	4.464	5	1													
14	141	1361	4.650	0														
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Without the weight, the rosette seems to come up too fast + then settles below the intended depth. Half speed on the way up prevents that, but obviously it is slower.

SHIP: CCGS Vector
ENTERED BY: SP
CHECKED BY:

Bottom Depth: 213 m

Cast # down: 39
Cast # up: 39

Time	LOC	UTC
Begin:	09:40	16:40
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 46.46
LONG: 123 01.56

BOTTOM POSITION (GPS)
LAT: 48 46.45
LONG: 123 01.58

END POSITION (GPS)
LAT:
LONG:

MISSION ID:

2002-26

STATION:

146

CAST NUMBER:

4.8

UTC DATE (dd/mm/yyyy):

18/07/02

[illegible]

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 180

Cast # down: 43

Cast # up: 43

Time	LOC	UTC
------	-----	-----

Begin: 20:28 03:28

Bottom: 20'33 03133

End: 20145 83145

START POSITION (GPS)

LAT: 48 51.42

LONG: 123 10,83

BOTTOM POSITION (GPS)

LAT: 48 51.46

LONG: 123 10,82

END POSITION (GPS)

LAT: 48 51.63

LONG: 123 10.81

Comments:

ROSETTE LOG

MISSION ID: 3003-26 STATION: 42 CAST NUMBER: 50- UTC DATE (dd/mm/yyyy): 10/10/02

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	1369	3.358	bottom	✓ 312	✓												
2	155	1370	3.395	300	✓ 300	✓												
3	156	71	3.375	300	✓ 300	✓												
4	157	72	3.478	250	✓ 250													
5	158	73	3.627	200	✓ 200													
6	159	74	3.760	175	✓ 175													
7	160	75	3.737	150	✓ 150													
8	161	76	3.923	125	✓ 125													
9	162	77	3.854	100	✓ 100													
10	163	78	3.936	75	✓ 75													
11	164	79	3.928	50	✓ 50													
12	165	80	4.107	40	✓ 40													
13	166	81	4.399	30	✓ 30													
14	167	82	4.410	20	✓ 20													
15	168	83	4.870	10	✓ 10													
16	169	84	5.086	5	✓ 5													
17	170	1385	6.911	0	✓ 0													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: S.T. I didn't change the cast number info on O2 computer until sample #10. S.T.

SHIP: Vector
ENTERED BY:
CHECKED BY:

Bottom Depth: 324

Cast # down: 50
Cast # up:

Time	LOC	UTC
Begin:		0603
Bottom:		0605
End:		0625

START POSITION (GPS)
LAT: 49° 01' 82"
LONG: 123° 26' 26"

BOTTOM POSITION (GPS)
LAT: 49° 01' 83"
LONG: 123° 26' 33"

END POSITION (GPS)
LAT: 49° 01' 83"
LONG: 123° 26' 66"

ROSETTE LOG

MISSION ID: 2002-26 STATION: 39 CAST NUMBER: 1547 UTC DATE (dd/mm/yyyy): 18/07/2002

[illegible]

SHIP:	Vector
ENTERED BY:	ST
CHECKED BY:	

Bottom Depth: 379

Cast # down:	54
Cast # up:	

Time	LOC	UTC
Begin:		0950
Bottom:		0958
End:		1017

START POSITION (GPS)	
LAT:	49° 09.83
LONG:	123° 32.98

BOTTOM POSITION (GPS)	
LAT:	49° 09.93
LONG:	123° 33.07

END POSITION (GPS)	
LAT:	49° 10' 05"
LONG:	123° 33' 19"

01012766

005 217

Comments:

ROSETTE LOG

MISSION ID: 2002-26 STATION: 27 CAST NUMBER: 57 UTC DATE (dd/mm/yyyy): 18/07/2002

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	188	1310	3.439	bot	✓	342												
2	189		3.394	300	✓	299.6												
3	190		3.159	250	✓	249.7												
4	191		3.485	200	✓	200												
5	192		3.747	175	✓	174.6												poor, may be too high.
6	193	1316	3.567	150	✓	149.8												
7	194	1317	4.009	125	✓	125												
8	195		4.108	100	✓	101												
9	196	1319	3.955	75	✓													
10	197		3.933	50	✓													
11	198		4.001	40	✓													
12	199		4.220	30	✓													
13	200		4.331	20	✓													
14	201		4.838	10	✓													
15	202		6.057	15	✓													
16	203		6.596	0	✓	0.7												
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ROSETTE LOG

MISSION ID: 2002-26 STATION: 2 CAST NUMBER: 61 UTC DATE (dd/mm/yyyy): 18/07/02

[illegible]

SHIP: <i>Vector</i>
ENTERED BY: <i>S.J.</i>
CHECKED BY:

Bottom Depth: 283m

Cast # down: 61

Cast # up: 61

Time	LOC	UTC
Begin:	09:55	16:55
Bottom:	10:01	17:01
End:	10:19	17:19

START POSITION (GPS)
LAT: 49 24.09
LONG: 124 9.40

BOTTOM POSITION (GPS)	
LAT:	49 24.06
LONG:	124 9.46

END POSITION (GPS)
LAT: 49 23.96
LONG: 124 9.24

Comments: _____

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-26 STATION: 3 CAST NUMBER: 64 UTC DATE (dd/mm/yyyy): 18/07/2002

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	219	1291	3.285	bottom	✓	317												
2	220	1292	3.099	300	✓	300												
3	221	1293	3.013	250	✓	250												
4	222	1294	3.406	200	✓	200												
5	223	1295	3.784	175	✓	175												
6	224	1297	3.965	150	✓	150												
7	225	1298	3.999	125	✓	125												
8	226	1299	4.006	100	✓	100												
9	227	1300	3.989	75	✓	75												poor end pt
10	228	1301	3.997	50	✓	50												"
11	229	1302	4.004	40	✓	40												
12	230	1303	4.031	30	✓	30												
13	231	1304	4.265	20	✓	20												
14	232	1305	5.395	10	✓	10												
15	233	1306	6.366	5	✓	5												
16	234	1307	6.397	0	✓	<1												
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

bgm 2001 rosette.xls

ROSETTE LOG

MISSION ID: 2002-26 STATION: 6 CAST NUMBER: 66 UTC DATE (dd/mm/yyyy): 18/07/2002

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	235	1309	3.565	bottom	✓ 184	✓												
2	236	1310	3.623	175	✓ 174	✓												
3	237	1311	3.930	150	✓ 150	✓												
4	238	1313	3.792	125	✓ 125													
5	239	1314	3.728	100	✓ 100													
6	240	1315	3.781	75	✓ 75													
7	241	1316	3.931	50	✓ 50													
8	242	1317	4.009	40	✓ 40													
9	243	1318	4.108	30	✓ 30													
10	244	1319	4.463	20	✓ 20													
11	245	1320	5.700	10	✓ 10													
12	246	1321	6.509	5	✓ 5													
13	247	1322	6.504	0	✓ 1													
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SHIP: vector

ENTERED BY: ST

CHECKED BY:

Bottom Depth: 197

Cast # down: 66

Cast # up:

Time	LOC	UTC
Begin:		2116
Bottom:		2123
End:		2133

START POSITION (GPS)

LAT: 49°30'62

LONG: 124°27'29

BOTTOM POSITION (GPS)

LAT: 49°30'69

LONG: 124°27'83

END POSITION (GPS)

LAT: 49°30'74

LONG: 124°27'78

ROSETTE LOG

MISSION ID: 2002-26 STATION: 9 CAST NUMBER: 69 UTC DATE (dd/mm/yyyy): July 18-19

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	248		3478	bottom	✓	162												
2	249		3461	150	✓													
3	250		3884	125	✓													
4	251		3851	100	✓													
5	252		3759	75	✓													
6	253		4089	50	✓													
7	254		4114	40	✓													
8	255		4224	30	✓													
9	256		4283	20	✓													
10	257		4547	10	✓													
11	258		5945	5	✓													
12	259		6247	0	✓													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: _____

SHIP: VECTOR

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 162

Cast # down: 69

Cast # up: _____

Time	LOC	UTC
Begin:	23:53	
Bottom:	23:56	
End:	00:02	

START POSITION (GPS)

LAT: 49 35 51

LONG: 124 38 31

BOTTOM POSITION (GPS)

LAT: 49 35 52

LONG: 124 38 33

END POSITION (GPS)

LAT: 49 35 53

LONG: 124 38 29

ROSETTE LOG

MISSION ID: 2002-26 STATION: 12 CAST NUMBER: 72 UTC DATE (dd/mm/yyyy): 19 July

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	260		3282	bottom	✓ 351	Handwritten notes: not shaken correctly subs acid												
2	261		3301	350	✓ 351													
3	262		3549	300	✓													
4	263	1340	3606	250	✓													
5	264		3657	200	✓													
6	265		3689	175	✓													
7	266		3722	150	✓													
8	267		3506	125	✓													
9	268		3556	100	✓													
10	269		3591	75	✓													
11	270		3836	50	✓													
12	271		3881	40	✓													
13	272		4038	30	✓													
14	273		4284	20	✓													
15	274		5782	10	✓													
16	275		6287	5	✓													
17	276		6337	surf	✓													
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 358

Cast # down: 72

Cast # up:

TimeLOCUTC

Begin:1:53

Bottom:2:01

End:2:12

START POSITION (GPS)

LAT: 49 43 62

LONG: 124 40 84

BOTTOM POSITION (GPS)

LAT: 49 43 66

LONG: 124 40 96

END POSITION (GPS)

LAT: 49 43 74

LONG: 124 41 07

ROSETTE LOG

MISSION ID: 2002-26 STATION: 14 CAST NUMBER: 74 UTC DATE (dd/mm/yyyy): 19/07/2002

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	277		3.769	BOTTOM	✓ 310	✓	✓	✓										
2	278		3.549	300	✓ 300	✓												
3	279		3.632	250	✓ 250	✓												
4	280		3.692	200	✓ 200													
5	281			175	✓ 175									an bubble on lens, per my log %T				
6	282		3.751	150	✓ 150													
7	283	1298	3.709	125	✓ 125													
8	284		3.490	100	✓ 100													
9	285		3.589	75	✓ 75													
10	286		3.915	50	✓ 50													
11	287		4.227	40	✓ 40													
12	288		4.319	30	✓ 30													
13	289		4.172	20	✓ 20													
14	290		4.665	10	✓ 9													
15	291		5.473	5	✓ 5													
16	292	1807	6.632	0	✓ 0.8		✓	✓										
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: CCGS Vector
ENTERED BY: 8
CHECKED BY:

Bottom Depth: 318

Cast # down: 74
Cast # up: 74

Time	LOC	UTC
Begin:	21:20	04:20
Bottom:	21:26	04:26
End:	21:44	04:44

START POSITION (GPS)
LAT: 49 53.01
LONG: 124 59.60

BOTTOM POSITION (GPS)
LAT: 49 53.01
LONG: 124 59.65

END POSITION (GPS)
LAT: 49 53.14
LONG: 124 59.73

ROSETTE LOG

MISSION ID: 2002-26 STATION: 16 CAST NUMBER: 76 UTC DATE (dd/mm/yyyy): 19/07/02

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	293	1309	3682	bottom	✓ 153	✓												
2	294		3653	125	✓ 125	✓												
3	295		3693	100	✓ 100	✓												
4	296		3863	75	✓ 75													
5	297		4266	50	✓ 50													
6	298	1315	4390	40	✓ 40													
7	299		4630	30	✓ 30													
8	300		4886	20	✓ 20													
9	301		5956	10	✓ 10													
10	302		6144	5	✓ 5													
11	303		6293	0	✓ 1													
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

SHIP: CCGS Vector

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down: 76

Cast # up: 76

TimeLOCUTC

Begin: 23:1606:16

Bottom:06:20

End:

START POSITION (GPS)

LAT: 49 57.70

LONG: 125 08.81

BOTTOM POSITION (GPS)

LAT: 49 57.71

LONG: 125 08.71

END POSITION (GPS)

LAT: 49 57.77

LONG: 125 08.66