

ROSETTE LOG

Ron.

MISSION ID: 9814
STATION NAME: S3

UTC DATE y/m/d: 2/6/98
CAST NUMBER: 1

SHIP: 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					<i>Devel</i>	
1	1	1283		bot-5	217	✓											0.880	H ₂ S
2	2	1284		200		✓											0.880	H ₂ S
3	3	1285		175		✓											0.000	H ₂ S
4	4	1286		150		✓											0.000	
5	5	1287		125		✓											0.000	
6	6	1288		100		✓											0.000	
7	7	No Sample		75		✓											1.358	
8	8	1290		50		✓											4.547	
9	9	1291		30		✓											4.735	
10	10	1292		20		✓											4.787	
11	11	1293		10		✓											5.368	
12	12	1294		0		✓											6.823	
13																		
14																		
15																		
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20																		
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23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 224

Cast # down: 1
Cast # up:

Time	LOC	UTC
Begin:		2158
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 35 28 N
LONG: 123 30 20 W

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: D8A

UTC DATE y/m/d: 3/6/98
CAST NUMBER: 2

SHIP: 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	13			67-10		✓														
2	14			300		✓														
3	15			250		✓														
4	16			200		✓														
5	17			175		✓														
6																				
7																				
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24																				

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 359

Cast # down: 2
Cast # up: 2

Time	LOC	UTC
Begin:		00:46
Bottom:		00:55
End:		

START POSITION (GPS)
LAT: 48° 42.16
LONG: 123 15.23

BOTTOM POSITION (GPS)
LAT: 48° 42.18
LONG: 123° 15.19

END POSITION (GPS)
LAT: 48 42.11
LONG: 123 15.39

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: D7A

UTC DATE y/m/d: 3/6/98
CAST NUMBER: 3

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	18	1210		bot 5		✓											DO ml/l
2	19	1211		125		✓											4.218
3	20	1212		100		✓											4.310
4	21	1213		75		✓											4.413
5	22	1215		50		✓											4.562
6	23	1216		30		✓											4.858
7	24	1217		20		✓											4.954
8	25	1218		10		✓											5.114
9	26	1219		0		✓											5.291
10																	7.493
11																	
12																	
13																	
14																	
15																	
16																	
17																	
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19																	
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22																	
23																	
24																	

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 167

Cast # down: 3

Cast # up: 3

Time	LOC	UTC
Begin:		01:56
Bottom:		02:03
End:		

START POSITION (GPS)		
LAT:	48	43.99
LONG:	123	8.62

BOTTOM POSITION (GPS)		
LAT:	48	43.99
LONG:	123°	8.73

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: D6A

UTC DATE y/m/d: 3/6/98
CAST NUMBER: 4

SHIP: 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	27			6.1-5		✓	✓											
2	28			175		✓	✓											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 229

Cast # down: 4

Cast # up: 4

Time	LOC	UTC
Begin:		03:42
Bottom:		03:08
End:		03:16

START POSITION (GPS)
LAT: 48° 46.05'
LONG: 123° 2.35"

BOTTOM POSITION (GPS)
LAT: 46.12
LONG: 2.35"

END POSITION (GPS)
LAT: 46.18
LONG: 2.32

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: SIO3

UTC DATE y/m/d: 3/6/98
CAST NUMBER: 10

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY	CHL		C13							
1	29	1210		150	148	✓		✓	✓								* 4.680	
2	30	1212		125		✓		✓	✓								4.653	
3	31	1211		100		✓		✓	✓								4.711	
4	32	1213		75		✓		✓	✓								4.780	
5	33	1215		50		✓		✓	✓								4.836	
6	34	1216		30		✓		✓	✓								4.412	
7	35	1217		20		✓		✓	✓								4.522	
8	36	1218		10		✓		✓	✓								5.171	
9	37	1219		0		✓		✓	✓								8.258	
10																		
11																		
12																		
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23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 161.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1518
Bottom:		
End:		

START POSITION (GPS)
LAT: 4851.83
LONG: 12305.05

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #29 - titrated to 106.4 % transmittance - DO value may be too high.

ROSETTE LOG

MISSION ID: 9814
STATION NAME: M103

UTC DATE y/m/d: 98/06/03
CAST NUMBER: 15

SHIP: VEGIDE

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	38	1221		125	118	✓		✓	✓										4.624
2	39	1222		100		✓													4.704
3	40	1223		75		✓													4.780
4	41	1224		50		✓													4.910
5	42	1225		30		✓													4.896
6	43	1226		20		✓													4.769
7	44	1228		10		✓													4.586
8	45	1229		0		✓		✓	✓										7.433
9																			
10																			
11																			
12																			
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23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 128

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1828
Bottom:		
End:		1839

START POSITION (GPS)
LAT: 48 55.21
LONG: 123 10.68

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:
STATION NAME: G101

UTC DATE y/m/d: 98/06/03
CAST NUMBER: 21.

SHIP: V. COOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	46	1230		150	154	✓		✓	✓										4.570	
2	47	1231		125		✓		✓	✓										4.650	
3	48	1233		100		✓		✓	✓										4.753	
4	49	1234		75		✓		✓	✓										4.766	
5	50	1235		50		✓		✓	✓										4.733	*94.90% transmittance
6	51	1237		30		✓		✓	✓										4.499	
7	52	1238		20		✓		✓	✓										4.418	
8	53	1240		10		✓		✓	✓										4.496	
9	54	1241		0		✓		✓	✓										7.700	*93.6%
10																				
11																				
12																				
13																				
14																				
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18																				
19																				
20																				
21																				
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23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 166

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2123
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 58.53
LONG: 123 16.43

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: # 50 & 54 reached their end pt. at lower than usual transmittance of $\approx 98.7\%$.

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

1998/06/03

STATION NAME:

GI02

CAST NUMBER:

22

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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ROSETTE OPERATION

Trip pressure	Confirmed Salinity
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Samples taken

SAL		NUT		ALK		TCO											
	OXY		CHL		C13												

DO
ml/l

1	55	1210		250		✓		↑	↑	↑								2.843
2	56	1211		200		✓		↓										3.681
3	57	1212		175		✓												4.067
4	58	1213		150		✓												4.355
5	59	1215		125		✓												4.564
6	60	1216		100		✓												4.660
7	61	1217		75		✓												4.684
8	62	1218		50		✓												4.380
9	63	1219		30		✓												4.544
10	64	1221		20		✓												4.818
11	65	1222		10		✓												5.972
12	66	1223		0		✓		↓	↓									7.151
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #66 had pt. Reached at 90.0 % transmittance

ENTERED BY: OJS

CHECKED BY:

Bottom Depth: 268

Cast # down: 22

Cast # up:

Time	LOC	UTC
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Begin: 22:21

Bottom: 22:29

End:

START POSITION (GPS)

LAT: 49 2.60

LONG: 123 23.38

BOTTOM POSITION (GPS)

LAT: 2.51

LONG: 23.51

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: V101UTC DATE y/m/d: 3/6/98
CAST NUMBER: 23SHIP: VECTOIRNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. DepthROSETTE OPERATION
Trip Confirmed
pressure SalinitySamples taken
SAL OXY NUT CHL ALK C13 TCODO
ml/lENTERED BY: DJS

CHECKED BY:

1	67	1248		80T-		✓			↑	↑										4.708
2	68	1249		75		✓														4.627
3	69	1251		50		✓														4.476
4	70	1252		35		✓														4.751
5	71	1253		20		✓														5.072
6	72	1254		10		✓														3.240
7	73	1255		0		✓			↓	↓										7.035
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Bottom Depth: 127Cast # down: 23Cast # up: 23

Time LOC UTC

Begin: 23:36Bottom: 23:41

End:

START POSITION (GPS)

LAT: 48° 2.91LONG: 123° 35.32

BOTTOM POSITION (GPS)

LAT: 2.92LONG: 35.33

END POSITION (GPS)

LAT:

LONG:

Comments:

#72 Problem w/ titration - value should be: 5.551 ml/l (0.311 + 3.24)

581

002

416

999

Per

9814

VIO2

98/06/04

24

VECTOR

CHECKED BY:

260

Begin: 00/8

Bottom: 0027

End:

START POSITION (GPS)

LAT: 49 04 45

LONG: 123 32.18

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

[illegible]

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

4/6/98

STATION NAME:

V103

CAST NUMBER:

25

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO m/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	86	1262		bottom-10		✓											2.499	
2	87	1264		300		✓											2.659	
3	88	1265		250		✓											3.371	
4	89	1267		200		✓											3.830	
5	90	1268		175		✓											3.787	
6	91	1269		150		✓											4.101	
7	92	1270		125		✓											4.460	
8	93	1271		100		✓											4.853	
9	94	1272		75		✓											4.423	
10	95	1274		50		✓											4.441	
11	96	1275		30		✓											4.586	
12	97	1273		20		✓											4.796	
13	98	1276		10		✓											7.090	
14	99	1277		0		✓											6.990	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 342

Cast # down: 25

Cast # up: 25

Time LOC UTC

Begin: 01:08

Bottom: 01:18

End:

START POSITION (GPS)

LAT: 49 6.01

LONG: 123 29.05

BOTTOM POSITION (GPS)

LAT: 6.04

LONG: 29.16

END POSITION (GPS)

LAT:

LONG:

Comments: Doops - forgot to write down values for #89-99 RB

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:

SHIP: VECTOR

[illegible]

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 184

Cast # down: 26

Cast # up:

Time	LOC	UTC
Begin:		02:18
Bottom:		02:25
End:		

START POSITION (GPS)		
LAT:	49°	8.71
LONG:	123°	23.30

BOTTOM POSITION (GPS)	
LAT:	8.76
LONG:	23.30

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: VIOS

UTC DATE y/m/d: 4/6/98
CAST NUMBER: 27

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
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ROSETTE OPERATION		Samples taken										DD	me/l
Trip	Confirmed	SAL		NUT		ALK		TCO					
pressure	Salinity		OXY		CHL		C13						

ENTERED BY:	DJS
CHECKED BY:	

[illegible]

Bottom Depth: 57

Cast # down: 27

Cast # up:	27
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Time	LOC	UTC
Begin:		03:12
Bottom:		03:13
End:		

START POSITION (GPS)	
LAT:	49° 11.44
LONG:	123° 17.86

BOTTOM POSITION (GPS)	
LAT:	11.47
LONG:	17.87

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: GI03UTC DATE y/m/d: 4/6/98
CAST NUMBER: 28SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										100 ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	115	1210		bot-10		✓											2.470	
2	116	1211		300		✓											3.007	
3	117	1212		250		✓											3.119	
4	118	1213		200		✓											4.024	
5	119	1215		175		✓											4.253	
6	120	1216		150		✓											4.491	
7	121	1217		125		✓											4.757	
8	122	1218		100		✓											4.841	
9	123	1219		75		✓											4.343	
10	124	1221		50		✓											4.371	
11	125	1222		30		✓											4.776	
12	126	1223		20		✓											5.375	
13	127	1224		10		✓											6.964	
14	128	1225		0		✓											7.013	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 376Cast # down: 28Cast # up: 28

Time LOC UTC

Begin: 04:35Bottom: 04:46End: 05:11

START POSITION (GPS)

LAT: 49° 10.29LONG: 123° 33.51

BOTTOM POSITION (GPS)

LAT: 10.40LONG: 33.67

END POSITION (GPS)

LAT: 10.56LONG: 33.57

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

4/6/98

STATION NAME:

G104

CAST NUMBER:

29

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	129	1226		bot-10		✓											1.853	
2	130	1228		300		✓											2.887	
3	131	1229		250		✓											3.228	
4	132	1230		200		✓											3.818	*
5	133	1231		175		✓											4.138	
6	134	1233		150		✓											4.315	
7	135	1234		125		✓											4.622	
8	136	1235		100		✓											4.767	
9	137	1237		75		✓											4.260	
10	138	1238		50		✓											4.374	
11	139	1240		30		✓											4.759	
12	140	1241		20		✓											5.974	
13	141	1243		10		✓											6.698	
14	142	1244		0		✓											7.057	*
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 397

Cast # down: 29

Cast # up:

Time	LOC	UTC
Begin:		05:49
Bottom:		
End:		

START POSITION (GPS)		
LAT:	49°	12.70
LONG:	123°	40.25

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments: * elapsed time counter in program has gone strange > 1500000 sec

* #142 Does not have sample # or flask # in computer file. - dosage dispensed 1.296 ml.
- ind pt. 1.279 ml

ROSETTE LOG

MISSION ID: 9814
STATION NAME: NI07UTC DATE y/m/d: 98/06/04
CAST NUMBER: 30SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	143	1210		100	62	✓		✓	✓								4.708	
2	144	1211		75	50	✓											4.655	
3	145	1212		50	30	✓											4.581	
4	146	1213		30	20	✓											4.595	
5	147	1215		20	10	✓											5.740	
6	148	1216		10	0	✓											7.905	
7	149			0				✓	✓									
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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18																		
19																		
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21																		
22																		
23																		
24																		

Comments:

ENTERED BY:
CHECKED BY:Bottom Depth: 77

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1416
Bottom:		
End:		

START POSITION (GPS)	
LAT:	49 22.50
LONG:	123 32.70

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

#146

NUT

NI07

9814

BOT 4

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/04

SHIP:

VECTOR

STATION NAME:

NI 06

CAST NUMBER:

31

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	149	1217	bott-10		150	✓			✓	✓							4.488	*
2	150	1218	150		125	✓											4.589	
3	151	1219	125		100	✓											4.670	
4	152	1221	100		75	✓											4.773	
5	153	1222	75		50	✓				✓							4.821	
6	154	1223	50		30	✓											4.645	
7	155	1224	30		20	✓											4.442	
8	156	1225	20		10	✓											6.244	
9	157	1228	10		0												6.759	
10	158								✓	✓								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: ~~#149~~ - on previous file by error - 98140030 98.

ENTERED BY:

CHECKED BY:

Bottom Depth:

166

Cast # down:

Cast # up:

Time LOC UTC

Begin: 14:46

Bottom:

End:

START POSITION (GPS)

LAT: 4921.32

LONG: 1233502

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/04

STATION NAME:

N105

CAST NUMBER:

32

SHIP: VECOPE

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	158	1229		bott - 10	254	✓	✓	✓	✓								3.065
2	159	1230		200	200	✓	✓										4.036
3	160	1231		195	174	✓	✓										4.433
4	161	1233		150	150	✓											4.488
5	162	1234		125	125	✓											4.516
6	163	1235		100	100	✓											4.623
7	164	1237		75	75	✓											5.181 * Seem
8	165	1238		50	50	✓											4.779
9	166	1240		30	30	✓											4.431
10	167	1241		20	20	✓											4.358
11	168	1242		10	10	✓											5.043
12	169	1244		0	0	✓	✓	✓									6.080
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 265

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1529

Bottom:

End:

START POSITION (GPS)

LAT: 49 19.62

LONG: 123 38.61

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

* 164 Trouble recording air bubble (flask 1237) - value probably too high. 98

ROSETTE LOG

MISSION ID: 9814
STATION NAME: N109

UTC DATE y/m/d: 98/06/04
CAST NUMBER: 33

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	170	1248		250	285	✓		✓	✓										2.583	
2	171	1249		200	250	✓		✓	✓										2.518	
3	172	1251		175	200	✓		✓	✓										3.921	
4	173	1252		150	175	✓		✓	✓										4.373	
5	174	1253		125	150	✓		✓	✓										4.366	
6	175	1254		100	125	✓		✓	✓										4.500	
7	176	1255		75	100	✓		✓	✓										4.729	
8	177	1256		50	75	✓		✓	✓										4.741	
9	178	1257		30	50	✓		✓	✓										4.310	
10	179	1258		20	30	✓		✓	✓										4.391	
11	180	1260		10	20	✓		✓	✓										4.630	
12	181	1261		0	10	✓		✓	✓										5.966	
13	182	1262			0	✓		✓	✓										6.613	
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 297

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1617
Bottom:		
End:		

START POSITION (GPS)
LAT: 4917.81
LONG: 12342.32

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/04

SHIP:

Vance

STATION NAME:

N103

CAST NUMBER:

34

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	183	1264	400			✓	✓	✓	✓								1.866	
2	184	1265	300			✓	✓										2.313	
3	185	1267	250			✓	✓										3.035	
4	186	1268	200			✓	✓										3.900	
5	187	1269	175			✓											3.995	
6	188	1270	150			✓											4.157	
7	189	1271	125			✓											4.502	
8	190	1272	100			✓											4.645	
9	191	1273	75			✓											4.879	
10	192	1274	50			✓											4.279	
11	193	1275	30			✓											4.574	
12	194	1276	20			✓											4.777	
13	195	1277	10			✓											6.129	
14	196	1278	0			✓		✓	✓								6.872	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

#195 stopper popped off in cooler.

ENTERED BY:

CHECKED BY:

Bottom Depth: 418

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1717

Bottom:

End:

START POSITION (GPS)

LAT: 4915.99

LONG: 123 45 93

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/04

SHIP:

VESPER

STATION NAME:

N102

CAST NUMBER:

35

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	197	1282		200	343	✓		✓									2.265	
2	198	1283		250		✓											2.915	
3	199	1284		200		✓											3.449	
4	200	1285		175		✓											3.290	
5	201	1286		150		✓											3.827	
6	202	1287		125		✓											4.481	
7	203	1288		100		✓											4.788	
8	204	1289		75		✓											4.242	
9	205	1290		50		✓											4.388	
10	206	1291		30		✓											4.557	
11	207	1292		20		✓											5.045	
12	208	1293		10		✓											7.589	
13	209	1294		0		✓		✓									6.993	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

BGM

CHECKED BY:

Bottom Depth:

334

Cast # down:

35

Cast # up:

35

Time

LOC

UTC

Begin:

1808

Bottom:

End:

START POSITION (GPS)

LAT:

49 14.67

LONG:

12348.70

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: N101

UTC DATE y/m/d: 4/6/98
CAST NUMBER: 36

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DD	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13							ml/l	
1	210	1295		100		✓			↑	↑									4.319	
2	211	1296		75		✓			↑	↑									4.321	
3	212	1297		50		✓			↑	↑									4.504	
4	213	1298		30		✓			↑	↑									4.781	
5	214	1299		20		✓			↑	↑									5.570	
6	215	2000		10		✓			↑	↑									7.098	
7	216	2007		0		✓			↓	↓									7.518	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 120

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1859
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 13.39
LONG: 123 51.33

BOTTOM POSITION (GPS)
LAT: 13.43
LONG: 51.32

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: NAVY BUOY

UTC DATE y/m/d: 98/06/04
CAST NUMBER: 40

SHIP: 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	217			460		✓	✓													
2	218			350		✓	✓													
3	219			300		✓	✓													
4	220			250		✓	✓													
5	221			200		✓	✓													
6	222			175		✓	✓													
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 412

Cast # down: 40
Cast # up: 40

Time	LOC	UTC
Begin:		21:49
Bottom:		21:57
End:		

START POSITION (GPS)
LAT: 49° 19.81
LONG: 124° 5.51

BOTTOM POSITION (GPS)
LAT: 19.87
LONG: 5.45

END POSITION (GPS)
LAT: 19.93
LONG: 5.42

Comments: Enter comparison cast with Nanoose vessel "Stikine"

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 0501 (WBC)

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 41

SHIP: VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO		12/27					
			OXY		CHL		C13		(x/w)						

1	223			50		✓				↑	↑			↑		
2	224			20		✓										
3	225			15		✓										
4	226			10		✓										
5	227			5		✓										
6	228			1		✓									✓	
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

ENTERED BY:
CHECKED BY:

Bottom Depth: 403

Cast # down: 41
Cast # up:

Time	LOC	UTC
Begin:		00:47
Bottom:		
End:		

START POSITION (GPS)
LAT: 49° 15.05
LONG: 123° 44.91

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: DFO 2 (4BC)

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 45

SHIP:

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	229			50		✓												
2	230			20		✓												
3	231			15		✓												
4	232			10		✓												
5	233			5		✓												
6	234			1		✓												
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: JJS
CHECKED BY:

Bottom Depth: 199

Cast # down: 45
Cast # up: 45

Time	LOC	UTC
Begin:		03:24
Bottom:		03:26
End:		03:25

START POSITION (GPS)
LAT: 49° 19.69
LONG: 123 43.96

BOTTOM POSITION (GPS)
LAT: 49° 19.72
LONG: 43.92

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: DFO3

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 47

SHIP: 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	235			50		✓														
2	236			20		✓														
3	237			15		✓														
4	238			10		✓														
5	239			5		✓														
6	240			1		✓														
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DSS
CHECKED BY:

Bottom Depth: 66

Cast # down: 47
Cast # up: 47

Time	LOC	UTC
Begin:		04:45
Bottom:		04:49
End:		04:56

START POSITION (GPS)
LAT: 49° 24.24
LONG: 123° 37.18

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Je 10

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 49

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	241	1282		bot-10		✓													1.368
2	242	1283		200		✓													1.527
3	243	1284		175		✓													1.593
4	244	1285		150		✓													1.824
5	245	1286		125		✓													2.074
6	246	1287		100		✓													2.426
7	247	1288		75		✓													2.665
8	248	1289		50		✓													2.835
9	249	1290		30		✓													2.876
10	250	1291		20		✓													2.766
11	251	1292		10		✓													6.430
12	252	1293		0		✓													7.125
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 259

Cast # down: 49
Cast # up: 49

Time	LOC	UTC
Begin:		14:15
Bottom:		14:23
End:		

START POSITION (GPS)
LAT: 50° 11.38
LONG: 123° 57.45

BOTTOM POSITION (GPS)
LAT: 11.37
LONG: 57.48

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Je9

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 50

SHIP: 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	253	1294		bott -10		✓													DO ml/l
2	254	1295		200		✓													1.173
3	255	1296		250		✓													1.199
4	256	1297		200		✓													1.606
5	257	1298		175		✓													1.683
6	258	1299		150		✓													2.042
7	259	2000		125		✓													2.142
8	260	2007		100		✓													2.212
9	261	2008		75		✓													2.478
10	262	2014		50		✓													2.633
11	263	2015		30		✓													2.887
12	264	2017		20		✓													2.926
13	265	2019		10		✓													4.604
14	266	2025		0		✓													7.505
15																			6.946
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: Lauren + JSS
CHECKED BY:

Bottom Depth: 359

Cast # down: 50
Cast # up: 50

Time	LOC	UTC
Begin:		15:20
Bottom:		15:30
End:		15:58

START POSITION (GPS)
LAT: 50° 8' 51"
LONG: 123° 50' 51"

BOTTOM POSITION (GPS)
LAT: 8' 52"
LONG: 50' 50"

END POSITION (GPS)
LAT: 8' 48"
LONG: 50' 51"

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Je8

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 51

SHIP: VEGOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
		✓	OXY	CHL	C13								

DO
ml/l

ENTERED BY:
CHECKED BY:

Bottom Depth: 483

Cast # down: 51
Cast # up: 51

Time	LOC	UTC
Begin:		16:32
Bottom:		16:42
End:		

START POSITION (GPS)
LAT: 50 5.39
LONG: 123 46.73

BOTTOM POSITION (GPS)
LAT: 50 5.38
LONG: 123 46.71

END POSITION (GPS)
LAT:
LONG:

1	267	1248		bot - 10		✓		↑	↑											1.477	
2	268	1249		400		✓		↑	↑											1.531	
3	269	1251		300		✓		↑	↑											1.568	
4	270	1252		250		✓		↑	↑											1.650	
5	271	1253		200		✓		↑	↑											2.060	
6	272	1254		175		✓		↑	↑											2.053	
7	273	1255		150		✓		↑	↑											2.278	
8	274	1256		125		✓		↑	↑											2.323	
9	275	1257		100		✓		↑	↑											2.465	
10	276	1258		75		✓		↑	↑											2.596	
11	277	1260		50		✓		↑	↑											2.939	
12	278	1261		30		✓		↑	↑											2.907	
13	279	1262		20		✓		↑	↑											3.412	
14	280	1264		10		✓		↑	↑											7.051	
15	281	1265		0		✓		↑	↑											6.918	
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 607

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 52

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	282	1210		600-10		✓													1.438
2	283	1212		500		✓													1.484
3	284	1211		400		✓													1.492
4	285	1213		300		✓													1.472
5	286	1215		250		✓													1.768
6	287	1216		200		✓													2.223
7	288	1217		175		✓													2.431
8	289	1218		150		✓													2.497
9	290	1219		125		✓													2.370
10	291	1221		100		✓													2.411
11	292	1222		75		✓													2.636
12	293	1223		50		✓													3.083
13	294	1224		30		✓													3.067
14	295	1225		20		✓													3.756
15	296	1228		10		✓													6.827
16	297	1229		0		✓													6.897
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: Lauren + JJS
CHECKED BY:

Bottom Depth: 540 m

Cast # down: 52
Cast # up:

Time	LOC	UTC
Begin:		17:35
Bottom:		17:48
End:		18:15

START POSITION (GPS)
LAT: 50 2 50
LONG: 123 51.17

BOTTOM POSITION (GPS)
LAT: 2.48
LONG: 51.22

END POSITION (GPS)
LAT: 2.45
LONG: 51.21

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

5/6/98

STATION NAME:

1P06

CAST NUMBER:

53

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DD ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	298	1230		600-10		✓											1.535	
2	299	1231		500		✓											1.540	
3	300	1233		400		✓											1.963	0.2 high
4	301	1234		300		✓											1.542	
5	302	1235		250		✓											1.962	
6	303	1237		200		✓											2.424	
7	304	1238		175		✓											2.684	
8	305	1240		150		✓											2.595	
9	306	1241		125		✓											2.433	
10	307	1243		100		✓											2.491	
11	308	1244		75		✓											2.980	
12	309	1246		50		✓											3.601	
13	310	1247		30		✓											3.410	
14	311	2036		20		✓											5.464	
15	312	2038		10		✓											7.154	
16	313	2040		0		✓											6.727	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 545

Cast # down: 53

Cast # up: 53

Time LOC UTC

Begin: 19:19

Bottom: 19:35

End:

START POSITION (GPS)

LAT: 49° 59.13

LONG: 123° 59.38

BOTTOM POSITION (GPS)

LAT: 59.09

LONG: 59.24

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Je04

UTC DATE y/m/d: 5/6/98
CAST NUMBER: 54

SHIP: VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip	Confirmed	SAL		NUT		ALK		TCO					
pressure	Salinity		OXY		CHL		C13						

1	314	2043		bot-10	661	✓												1.569
2	315	2044		500		✓												1.647
3	316	2045		400		✓												1.652
4	317	2047		300		✓												1.727
5	318	2049		250		✓												2.178
6	319	2051		200		✓												2.852
7	320	2054		175		✓												2.955
8	321	2052		150		✓												3.095
9	322	2055		(125)		✓												3.079
10	323	2056		100		✓												3.337
11	324	2057		75		✓												3.692
12	325	2059		50		✓												3.839
13	326	2060		30		✓												4.059
14	327	2061		20		✓												4.383
15	328	2062		10		✓												5.780
16	329	2063		0		✓												6.770
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 672

Cast # down: 54
Cast # up: 54

Time	LOC	UTC
Begin:		21:22
Bottom:		21:41
End:		

START POSITION (GPS)		
LAT:	49°	49.51
LONG:	123°	54.29

BOTTOM POSITION (GPS)		
LAT:		49.41
LONG:		54.36

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

5/6/98

STATION NAME:

Je02

CAST NUMBER:

55

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	330	1248		bot -10	601	✓											1.571	
2	331	1249		400		✓											1.764	
3	332	1251		300		✓											1.982	
4	333	1252		250		✓											2.439	
5	334	1253		200		✓											2.983	
6	335	1254		175		✓											3.268	
7	336	1255		150		✓											3.319	
8	337	1256		125		✓											3.795	
9	338	1257		100		✓											4.064	
10	339	1258		75		✓												
11	340	1260		50		✓											4.042	
12	341	1261		30		✓											4.037	
13	342	1262		20		✓											4.320	
14	343	1264		10		✓											6.039	
15	344	1265		0		✓											7.110	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: bot - extra air bubble - OK

ENTERED BY:

DJJ

CHECKED BY:

Bottom Depth:

60/m

Cast # down:

55

Cast # up:

55

Time

LOC

UTC

Begin:

23:35

Bottom:

23:47

End:

START POSITION (GPS)

LAT:

49° 46.30

LONG:

124° 9.23

BOTTOM POSITION (GPS)

LAT:

46.30

LONG:

9.28

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Jc1

UTC DATE y/m/d: 6/6/98
CAST NUMBER: 56

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	345	1210		bat-10		✓													2.342	
2	346	1211		175		✓													3.658	
3	347	1212		150		✓													3.816	
4	348	1213		125		✓													4.153	
5	349	1215		100		✓													4.453	
6	350	1216		75		✓													4.271	
7	351	1217		50		✓													4.063	
8	352	1218		30		✓													4.139	
9	353	1219		20		✓													4.338	
10	354	1221		10		✓													6.065	
11	355	1222		0		✓													7.101	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 264m

Cast # down: 56
Cast # up: 56

Time	LOC	UTC
Begin:		01:04
Bottom:		01:11
End:		

START POSITION (GPS)
LAT: 49° 42.31
LONG: 124° 14.48

BOTTOM POSITION (GPS)
LAT: 42.29
LONG: 14.46

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: B408

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 60

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										80 ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	356	1210		250	215	✓	✓	✓									0.704	
2	357	1211		200		✓	✓	✓									0.656	
3	358	1212		175		✓	✓	✓									2.790	
4	359	1213		150		✓	✓	✓									2.882	
5	360	1215		125		✓	✓	✓									2.939	
6	361	1216		100		✓											3.041	
7	362	1217		75		✓											3.426	
8	363	1218		50		✓											3.870	
9	364	1219		30		✓											4.621	
10	365	1221		20		✓											5.209	
11	366	1222		10		✓											5.592	
12	367	1223		0		✓	✓	✓										✱
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 225

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1704
Bottom:		
End:		

START POSITION (GPS)
LAT: 15053.31
LONG: 12450.48

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

✱ Comments: #367 - very murky sample - pause - 2.632 ml dispensed - 33.8% transmittance - added more acid. still didn't clear 2.740 ml's dispensed

ROSETTE LOG

MISSION ID: 9814
STATION NAME: BU07

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 61

SHIP: Victor

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	368	1224		687-10	347	✓	✓	✓									2.332	
2	369	1225		300		✓											2.483	*
3	370	1228		250		✓											2.577	
4	371	1229		200		✓											2.733	
5	372	1230		175		✓											2.852	
6	373	1231		150		✓											2.898	
7	374	1233		125		✓											2.989	
8	375	1234		100		✓											3.096	
9	376	1235		75		✓											3.392	
10	377	1237		50		✓											3.867	
11	378	1238		30		✓											4.507	
12	379	1240		20		✓											5.092	
13	380	1241		10		✓											5.238	
14	381	1243		0		✓		✓									7.922	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 357.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1753
Bottom:		
End:		

START POSITION (GPS)
LAT: 5049.75
LONG: 12453.48

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #368 + 0.156 ml dispersed phase - 910.5 % transmittance DO 0.847 + 1.636 = 2.483 ml/l. Increased
appears to be filed w/ wrong on computer file

.156
2.99
455

ROSETTE LOG

MISSION ID: 9814
STATION NAME: RU06

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 62

SHIP: 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									100 ml/l.	
1	381-B	1248		1011-10		✓													1.798	
2	382	1249		400		✓													2.019	
3	383	1251		300		✓													2.543	
4	384	1252		250		✓													2.650	
5	385	1253		200		✓													2.743	
6	386	1254		175		✓													2.823	
7	387	1255		150		✓													2.907	
8	388	1256		125		✓													2.955	
9	389	1257		100		✓													3.069	
10	390	1258		75		✓													3.275	
11	391	1260		50		✓													3.788	
12	392	1261		30		✓													4.182	
13	393	1262		20		✓													4.746	
14	394	1264		10		✓													4.768	
15	395	1265		0		✓													8.083	
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 476

Cast # down: 62

Cast # up:

Time	LOC	UTC
Begin:		1852
Bottom:		19:02
End:		

START POSITION (GPS)

LAT:	50°	45.29
LONG:	124°	53.72

BOTTOM POSITION (GPS)

LAT:	45.31
LONG:	53.86

END POSITION (GPS)

LAT:	
LONG:	

Comments: Duplicate #381 (CAST 61 also)
#395 Surface sample very murky - end pt. readed at 85.7% transmittance

ROSETTE LOG

MISSION ID: 9814
STATION NAME: BUOS

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 63

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DD	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
							✓	OXY	CHL	C13							rel	
1	396	1261		bott-10	558	✓											1.873	
2	397	1268		500		✓											1.998	
3	398	1269		400		✓											2.175	
4	399	1270		300		✓											2.445*	
5	400	1271		250		✓											2.463	
6	401	1272		200		✓											2.571	
7	402	1273		175		✓											2.851	
8	403	1274		150		✓											3.159	
9	404	1275		125		✓											3.230	
10	405	1276		100		✓											3.113	
11	406	1277		75		✓											3.492	
12	407	1278		50		✓											3.911	
13	408	1279		30		✓											4.371	
14	409	1280		20		✓											4.494	
15	410	1281		10		✓											4.667	
16	411	1282		0		✓											8.116	
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 571.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2000
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 40 72
LONG: 124 53 16

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #399 - dispensed 0.150 ml Transmittance 363.8% DD = 0.860 ml/l BUIT = DO Again 1.150
+ 0.272 ml + 1.555 272
392

ROSETTE LOG

MISSION ID: 9814
STATION NAME: BU04

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 64

SHIP: 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							DO ml/l	
1	412	1283		B-10		✓	↑	✓									1.617	
2	413	1284		600		✓											1.833	
3	414	1285		500		✓											2.060	
4	415	1286		400		✓											2.221	
5	416	1287		300		✓											2.454	
6	417	1288		250		✓	↓										2.405	
7	418	1289		200		✓											2.586	
8	419	1290		175		✓											2.847	
9	420	1291		150		✓											3.139	
10	421	1292		125		✓											3.373	
11	422	1293		100		✓											3.331	
12	423	1294		75		✓											3.271	
13	424	1295		50		✓											3.883	
14	425	1296		30		✓											4.282	
15	426	1297		20		✓											4.305	
16	427	1299		10		✓											4.617	
17	428	1298		0		✓		✓									8.222	
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 642

Cast # down: 64

Cast # up: 64

Time	LOC	UTC
Begin:		21:16
Bottom:		21:29
End:		

START POSITION (GPS)	
LAT:	50° 35.28
LONG:	124° 53.78

BOTTOM POSITION (GPS)	
LAT:	35.23
LONG:	53.73

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: BU03

UTC DATE y/m/d: 98/06/06
CAST NUMBER: 65

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DD	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
							✓	OXY	CHL	C13									ml/l	
1	429	1210		bott-10		✓													1.702	
2	430	1211		600		✓													1.854	
3	431	1212		500		✓													2.031	
4	432	1213		400		✓													2.250	
5	433	1215		300		✓													2.379	
6	434	1216		250		✓													2.437	
7	435	1217		200		✓													2.688	*
8	436	1218		175		✓													3.041	
9	437	1219		150		✓													3.321	
10	438	1221		125		✓													3.521	
11	439	1222		100		✓													3.508	
12	440	1223		75		✓													3.274	
13	441	1224		50		✓													4.125	
14	442	1225		30		✓													4.262	
15	443	1228		20		✓													4.389	
16	444	1229		10		✓													4.615	
17	445	12300		0		✓													8.212	
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: BETH R.
CHECKED BY:

Bottom Depth: 652

Cast # down: 65
Cast # up:

Time	LOC	UTC
Begin:		2229
Bottom:		2243
End:		

START POSITION (GPS)
LAT: 50 31.69
LONG: 124 58.01

BOTTOM POSITION (GPS)
LAT: 50 31.62
LONG: 124 58.12

END POSITION (GPS)
LAT:
LONG:

Comments: # 435 0.172 ml dispensed 186.1 transmittance DD = 0.933 Start over 1.72
0.336 ml 1.755 3.19
#441, 442 run out of order. 2.688 4.91

ROSETTE LOG

MISSION ID: 9814
STATION NAME: B402

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 98/06/06
66

SHIP: 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	446	1248		bot-10		✓														
2	447	1249		600		✓														
3	448	1251		500		✓														
4	449	1252		400		✓														
5	450	1253		300		✓														
6	451*	1254		250		✓														
7	*452	1255		200		✓														
8	453	1256		175		✓														
9	454	1257		150		✓														
10	455	1258		125		✓														
11	456	1260		100		✓														
12	457	1261		75		✓														
13	458	1262		50		✓														
14	459	1264		30		✓														
15	460	1265		20		✓														
16	461	1267		10		✓														
17	462	1268		0		✓														
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY: BETH B.
CHECKED BY:

Bottom Depth: 653

Cast # down: 60
Cast # up:

Time	LOC	UTC
Begin:		23:50
Bottom:		00:05
End:		00:30

START POSITION (GPS)
LAT: 50 28.11
LONG: 125 04.59

BOTTOM POSITION (GPS)
LAT: 58 28.04
LONG: 125 04.57

END POSITION (GPS)
LAT:
LONG:

Comments: Wrong Sample # entered in computer. #451 w/ correct flask 1255 DO = 2.824
* #451 entered as 451A
IS should be 452.

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Bu 01

UTC DATE y/m/d: 7/6/98
CAST NUMBER: 67

SHIP: VECTOR

[illegible]

ENTERED BY:
CHECKED BY:

Bottom Depth: 614

Cast # down: 67

Cast # up:

Time	LOC	UTC
Begin:		01/10
Bottom:		01:20
End:		

START POSITION (GPS)	
LAT:	50 22.16
LONG:	125 05 03

BOTTOM POSITION (GPS)	
LAT:	22.13
LONG:	05.09

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KN11

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 68

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l.	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
							✓	OXY		CHL		C13								
1	478	1210		200	196	✓	✓	✓											4.118	
2	479	1211		175		✓		✓											4.043	
3	480	1212		150		✓		✓											4.056	
4	481	1213		125		✓													3.985	
5	482	1215		100		✓													4.020	
6	483	1216		75		✓													4.293	
7	484	1217		50		✓													4.069	
8	485	1218		30		✓													3.870	
9	486	1219		20		✓													4.256	
10	487	1221		10		✓													5.905	
11	488	1222		0		✓		✓								1.651				*
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 211

Cast # down: 68
Cast # up:

Time	LOC	UTC
Begin:		1452
Bottom:		
End:		

START POSITION (GPS)
LAT: 510254
LONG: 1253405

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #478 duplicate # - last sample of cast 67 - same #.
* #488 - recalculate - sample too murky for instrument.

20
417

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KN09

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 69

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
							✓	OXY	CHL	C13							ml/l	
1	489	1223		botH-10	408	✓	✓										3.516	
2	490	1224		300		✓	✓										3.991	
3	491	1225		250		✓	✓										4.144	
4	492	1228		200		✓											4.170	
5	493	1229		175		✓											4.406	
6	494	1230		150		✓											4.449	
7	495	1231		125		✓											4.706	
8	496	1223		100		✓											4.875	
9	497	1234		75		✓											4.472	
10	498	1235		50		✓											4.440	
11	499	1237		30		✓											3.991	
12	500	1238		20		✓											4.885	
13	501	1240		10		✓											6.644	
14	502	1241		0		✓											7.927	✗
15																		
16																		
17																		
18																	566	D C
19																	592	
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 420.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1605
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 54.29
LONG: 125 32.95

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #502 - murky - end pt at 76.5% transmittance

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KND7

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 70

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
							✓	✓											100	
							✓	✓											ml/l	
1	503	1248		60ft-10	509	✓	✓	↑											3.552	
2	504	1249		400		✓	✓												3.645	
3	505	1251		300		✓	✓												3.702	
4	506	1252		250		✓	✓												4.140	
5	507	1253		200		✓													4.204	
6	508	1254		175		✓													4.466	
7	509	1255		150		✓													4.729	
8	510	1256		125		✓													4.937	
9	511	1257		100		✓													5.037	
10	512	1258		75		✓													4.974	
11	513	1260		50		✓													4.540	
12	514	1261		30		✓													4.020	
13	515	1262		20		✓													4.718	
14	516	1264		10		✓													6.129	
15	517	1265		0		✓		↓											7.937	*
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 524.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1723
Bottom:		1734
End:		

START POSITION (GPS)
LAT: 50 48.08
LONG: 125 37.55

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: #517 - end pt reached at 94.1% transmittance

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KN05

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 71

SHIP: Da Vecta

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							DO ml/l.	
1	518	1267		bot - 10		✓	✓	↑									3.602	
2	519	1268		300		✓	✓										3.714	
3	520	1269		250		✓	✓										3.903	
4	521	1270		200		✓											4.317	
5	522	1271		175		✓											4.619	
6	523	1272		150		✓											4.819	
7	524	1273		125		✓											4.867	
8	525	1274		100		✓											4.965	
9	526	1275		75		✓											4.973	
10	527	1276		50		✓											4.679	
11	528	1277		30		✓											4.438	
12	529	1278		20		✓											4.690	
13	530	1280		10		✓											5.413	
14	531	1279		0		✓		↓									7.553	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: Lauren
CHECKED BY:

Bottom Depth: 387

Cast # down: 71

Cast # up:

Time	LOC	UTC
Begin:		1850
Bottom:		
End:		1918

START POSITION (GPS)
LAT: 50 41.61
LONG: 125 47.07

BOTTOM POSITION (GPS)
LAT: 50 41.62
LONG: 125 47.14

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KJ04

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 72

SHIP: VECTOR

[illegible]

ENTERED BY: _____

CHECKED BY: _____

Bottom Depth: 444

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1959
Bottom:		
End:		

START POSITION (GPS)	
LAT:	50 40,83
LONG:	125 56.31

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KN02

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 73

SHIP: 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	546	1296		60ft-10		✓													4.685	
2	547	1297		125		✓													4.768	
3	548	1299		100		✓													4.789	
4	549	1298		75		✓													4.857	
5	550	0000		50		✓													4.952	
6	551	0007		30		✓													4.911	
7	552	2008		20		✓													4.920	
8	553	2014		10		✓													5.025	
9	554	2015		0		✓													7.419	
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 183

Cast # down: 73

Cast # up: 73

Time	LOC	UTC
Begin:		21:21
Bottom:		
End:		21:40

START POSITION (GPS)
LAT: 50° 39.26
LONG: 126° 11.18

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments: Rosette touched bottom and salinity affected salinity signal for the bottom 50m of the up cast. Do not use salinity values in this depth range.

ROSETTE LOG

MISSION ID: 9814
STATION NAME: KNO1

UTC DATE y/m/d: 98/06/07
CAST NUMBER: 74

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
							✓	OXY	CHL	C13										
1	555	1248		bot-10		✓													4.636	
2	556	1249		200		✓													4.683	
3	557	1251		175		✓													4.705	
4	558	1252		150		✓													4.723	
5	559	1253		125		✓													4.764	
6	560	1254		100		✓													4.843	
7	561	1255		75		✓													4.946	
8	562	1256		50		✓													5.290	
9	563	1257		30		✓													5.513	
10	564	1258		20		✓													5.294	
11	565	1260		10		✓													6.072	
12	566	1261		0		✓													8.382	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 250

Cast # down: 74
Cast # up: 74

Time	LOC	UTC
Begin:		22:38
Bottom:		21:45
End:		22:59

START POSITION (GPS)
LAT: 50° 38.09
LONG: 126° 25.37

BOTTOM POSITION (GPS)
LAT: 38.10
LONG: 25.34

END POSITION (GPS)
LAT: 38.09
LONG: 25.39

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Kn15

UTC DATE y/m/d: 98/06/08
CAST NUMBER: 75

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO						
1	567	1210		bot-10		✓	↑	↑										2.109	
2	568	1211		400		✓												2.171	
3	569	1212		300		✓												2.259	
4	570	1213		250		✓												2.373	
5	571	1215		200		✓												3.998	
6	572	1216		175		✓	↓											4.327	
7	573	1217		150		✓												4.623	
8	574	1218		125		✓												4.770	
* 9	575	1219		100		✓												4.870	
10	576	1221		75		✓												5.005	
11	577	1222		50		✓												5.061	
12	578	1223		30		✓												4.684	
13	579	1224		20		✓												4.130	
14	580	1225		10		✓												6.120	
15	581	1228		0		✓	↓											7.626	
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: B. Shaw
CHECKED BY:

Bottom Depth: 474

Cast # down: 75

Cast # up: 75

Time	LOC	UTC
Begin:		02:49
Bottom:		02:59
End:		

START POSITION (GPS)		
LAT:	50°	53.58
LONG:	126°	34.58

BOTTOM POSITION (GPS)		
LAT:	53.55	
LONG:	34.55	

END POSITION (GPS)		
LAT:		
LONG:		

Comments: # 575 dispensed 0.082 ml DO = 0.418 Transmittance 107.6 - stand again .082
+ 0.824 + 4.452 824
4.870 906

ROSETTE LOG

MISSION ID: 9814
STATION NAME: SE2

UTC DATE y/m/d: 98/06/08
CAST NUMBER: 76

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	582	1210		100	86	✓													5.454	
2	583	1211		75		✓													5.418	
3	584	1212		50		✓													5.468	
4	585	1213		30		✓													5.424	
5	586	1215		20		✓													5.451	
6	587	1216		10		✓													5.507	
7	588	1217		0		✓													6.054	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 96

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1810
Bottom:		
End:		

START POSITION (GPS)
LAT: 51 03.49
LONG: 127 23.48

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: SE04

UTC DATE y/m/d: 98/06/08
CAST NUMBER: 77

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												780 ml/l.
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO								
1	589	1218		bottom-10		✓	✓	↑											1.245
2	590	1219		500		✓	✓												1.288
3	591	1221		400		✓	✓												1.390
4	592	1222		300		✓													1.446
5	593	1223		250		✓													1.634
6	594	1224		200		✓													1.736
7	595	1225		175		✓													1.746
8	596	1228		150		✓													2.003
9	597	1229		125		✓													4.063
10	598	1230		100		✓													4.924
11	599	1231		75		✓													5.162
12	600	1233		50		✓													5.402
13	601	1234		30		✓													5.235
14	602	1235		20		✓													5.061
15	603	1237		10		✓													5.254
16	604	1238		0		✓		↓											6.725
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 545

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1810
Bottom:		1938
End:		

START POSITION (GPS)
LAT: 51.03.49
LONG: 127.23.48

BOTTOM POSITION (GPS)
LAT: 51.03.16
LONG: 127.08.04

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/08

SHIP:

Vector

STATION NAME:

SE05

CAST NUMBER:

78

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO								
1	605	1248		bottom-10	600	✓	✓												1.194
2	606	1249		500		✓	✓												1.337
3	607	1251		400		✓	✓												1.349
4	608	1252		300		✓													1.433
5	609	1253		250		✓													1.640
6	610	1254		200		✓													1.670
7	611	1255		175		✓													1.654
8	612	1256		150		✓													1.886
9	613	1257		125		✓													3.757
10	614	1258		100		✓													4.823
11	615	1260		75		✓													5.235
12	616	1261		50		✓													5.245
13	617	1262		30		✓													4.931
14	618	1264		20		✓													4.734
15	619	1265		10		✓													5.055
16	620	1267		0		✓													6.666
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

620

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2038

Bottom:

End:

START POSITION (GPS)

LAT: 5104.30

LONG: 12700.77

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/08

SHIP:

VECTOR

STATION NAME:

SEDL6

CAST NUMBER:

79

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l.	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	621	1268		bot-10		✓	✓	✓											1.219	
2	622	1269		500		✓	✓	✓											1.422	
3	623	1270		400		✓	✓	✓											1.359	
4	624	1271		300		✓													1.465	
5	625	1272		250		✓													1.598	
6	626	1273		200		✓													1.558	
7	627	1274		175		✓													1.606	
8	628	1275		150		✓													1.748	
9	629	1276		125		✓													3.557	
10	630	1277		100		✓													4.780	
11	631	1279		75		✓													4.945	
12	632	1280		50		✓													5.083	
13	633	1278		30		✓													4.763	
14	634	1281		20		✓													4.919	
15	635	1282		10		✓													4.840	
16	636	1283		0		✓													6.887	
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 533

Cast # down: 79

Cast # up:

Time LOC UTC

Begin:

Bottom: 22:00

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 51 4.33

LONG: 126 52.43

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/08

SHIP: VECTOR

STATION NAME:

Fr51

CAST NUMBER:

80

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO								
1	637			bot-15		✓													↑
2	638			200		✓													↑
3	639			175		✓													H ₂ S
4	640			150		✓													↓
5	641			125		✓													↓
6	642	1289		100		✓													0.039
7	643	1290		75		✓													0.681
8	644	1291		50		✓													4.058
9	645	1292		30		✓													4.447
10	646	1293		20		✓													4.905
11	647	1294		10		✓													6.306
12	648	1295		0		✓													7.059
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 227

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		23:16
Bottom:		23:20
End:		23:34

START POSITION (GPS)		
LAT:	51	2.25
LONG:	126	43.12

BOTTOM POSITION (GPS)		
LAT:	51	2.25
LONG:	126	43.13

END POSITION (GPS)		
LAT:	51	2.26
LONG:	126	43.12

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Se7UTC DATE y/m/d: 98/06/09
CAST NUMBER: 81SHIP: VectorNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL	✓	NUT	ALK	TCO									
pressure	Salinity	✓	OXY	CHL	C13										
1	649	1248		bot-10	✓									1.543	
2	650	1249		200	✓									1.514	
3	651	1251		175	✓									1.551	
4	652	1252		150	✓									1.767	
5	653	1253		125	✓									3.510	
6	654	1254		100	✓									4.100	
7	655	1255		75	✓									4.545	
8	656	1256		50	✓									4.702	
9	657	1257		30	✓									4.394	
10	658	1258		20	✓									4.194	
11	659	1260		10	✓									4.313	
12	660	1261		0	✓									7.187	
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 295

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		00 23
Bottom:		00 28
End:		00 41

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	51 6.01
LONG:	126 45.04

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/09

SHIP:

Venter

STATION NAME:

DE10

CAST NUMBER:

82

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DD ml/l.	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	661	1210		150	153	✓											0.572	
2	662	1211		125		✓											1.158	
3	663	1212		100		✓											2.706	
4	664	1213		75		✓											2.950	
5	665	1215		50		✓											3.249	
6	666	1216		30		✓											3.717	*
7	667	1217		20		✓											4.063	
8	668	1218		10		✓											6.614	
9	669	1219		0		✓											8.138	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: #663, 664 run out of sequence.

#666 transmittance 103.9% + 0.00 ml dispensed DD = 0.140 Start over →
+ 0.656 + 3.577

ENTERED BY:

CHECKED BY:

Bottom Depth:

167.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1621

Bottom:

End:

START POSITION (GPS)

LAT: 52 49.96

LONG: 126 59.62

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

.030
639
669

ROSETTE LOG

MISSION ID: 9814
STATION NAME: DE09UTC DATE y/m/d: 98/06/09
CAST NUMBER: 83SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DD	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	670	1224		bottom-10	445.	✓	✓	✓											1.959	
2	671	1225		400		✓	✓	✓											2.223	
3	672	1228		300		✓	✓	✓											2.954	
4	673	1229		250		✓		✓											2.896	
5	674	1230		200		✓		✓											2.601	
6	675	1231		175		✓		✓											2.670	
7	676	1233		150		✓		✓											2.745	
8	677	1234		125		✓		✓											2.868	
9	678	1235		100		✓		✓											2.932	
10	679	1237		75		✓		✓											3.193	
11	680	1238		50		✓		✓											3.657	
12	681	1240		30		✓		✓											8.895	
13	682	1241		20		✓		✓											4.275	
14	683	1213		10		✓		✓											6.549	
15	684	1244		0		✓		✓											7.983	
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments: #683 flask is #1243 - NOT 1213ENTERED BY:
CHECKED BY:Bottom Depth: 457.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1716
Bottom:		
End:		

START POSITION (GPS)	
LAT:	52 44.04
LONG:	126 57.33

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)	
LAT:	
LONG:	

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/09

STATION NAME:

De08

CAST NUMBER:

84

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										80 ml/l.	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT		ALK		TCO					
							✓	OXY		CHL		C13						
1	685	1248		bott-10	473	✓	✓	↑ 										

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 488

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1828

Bottom: 1839

End: 1858

START POSITION (GPS)

LAT: 52 38.31

LONG: 127 00.55

BOTTOM POSITION (GPS)

LAT: 52 38.29

LONG: 127 0.50

END POSITION (GPS)

LAT: 52 38.34

LONG: 127 0.48

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/09

STATION NAME:

DE07

CAST NUMBER:

85

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	700	1267		60ft-10	414	✓	✓	✓									2.752	
2	701	1268		400		✓	✓	✓									2.822	
3	702	1269		300		✓	✓	✓									3.479	
4	703	1270		250		✓											3.248	
5	704	1271		200		✓											3.023	
6	705	1272		175		✓											3.034	
7	706	1273		150		✓											3.207	
8	707	1274		125		✓											3.201	
9	708	1275		100		✓											3.188	
10	709	1276		75		✓											3.248	
11	710	1277		50		✓											3.681	
12	711	1278		30		✓											4.040	
13	712	1279		20		✓											4.365	
14	713	1280		10		✓											4.930	
15	714	1281		0		✓											7.557	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

420,

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1942

Bottom:

End:

START POSITION (GPS)

LAT: 52 35 03

LONG: 127 08 32

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/09

STATION NAME:

DE 06

CAST NUMBER:

86

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	715	1282		3-10	491	✓	✓	✓									2.181
2	716	1283		400		✓	✓										3.291
3	717	1284		300		✓											3.499
4	718	1285		250		✓											3.486
5	719	1286		200		✓											3.293
6	720	1287		175		✓											3.318
7	721	1288		150		✓											3.514
8	722	1289		125		✓											3.312
9	723	1290		100		✓											3.268
10	724	1291		75		✓											3.443
11	725	1292		50		✓											3.781
12	726	1293		30		✓											4.115
13	727	1294		20		✓											3.997
14	728	1295		10		✓											5.213
15	729	1296		0		✓											7.020
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

727, 225.70%

+ 0.045 ml

DO 3.952

+ 0.045

Continue 2

ENTERED BY:

CHECKED BY:

Bottom Depth:

498

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

2058

Bottom:

2107

End:

START POSITION (GPS)

LAT: 52 29.31

LONG: 127 14.68

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

555 8 892

69.43
71.43
69.43
69.43

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/09

STATION NAME:

DE05

CAST NUMBER:

87

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										TD ml/l.		
					Trip pressure	Confirmed Salinity	SAL	✓	NUT		ALK		TCO						
							✓	OXY		CHL		C13							
1	730	1297		bot -10		✓	✓	✓										3.389	
2	731	1298		400		✓	✓	✓										3.405	
3	732	1299		300		✓	✓	✓										3.416	
4	733	2000		250		✓	✓	✓										3.434	
5	734	2007		200		✓	✓	✓										3.470	
6	735	2008		175		✓	✓	✓										3.483	
7	736	2014		150		✓	✓	✓										3.570	
8	737	2015		125		✓	✓	✓										3.582	
9	738	2017		100		✓	✓	✓										3.453	
10	739	2019		75		✓	✓	✓										3.454	
11	740	2025		50		✓	✓	✓										3.873	
12	741	2027		30		✓	✓	✓										4.316	
13	742	2032		20		✓	✓	✓										4.484	
14	743	2033		10		✓	✓	✓										4.902	
15	744	2035		0		✓	✓	✓											
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 462

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2238

Bottom: 2249

End:

START POSITION (GPS)

LAT: 52 24.53

LONG: 127 20.84

BOTTOM POSITION (GPS)

LAT: 52 24.47

LONG: 127 20.92

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/10

STATION NAME:

De 04

CAST NUMBER:

88

SHIP:

Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	
Trip	Confirmed	SAL	✓	NUT	ALK	TCO									
pressure	Salinity	✓	OXY	CHL	C13									ml/L	
1	745	1248		Bot-10	✓									3.369	
2	746	1249		350	✓									3.367	
3	747	1251		300	✓									3.372	
4	748	1252		250	✓									3.395	
5	749	1253		200	✓									3.420	
6	750	1254		175	✓									3.588	
7	751	1255		150	✓									3.531	
8	752	1256		125	✓									3.549	
9	753	1257		100	✓									3.544	
10	754	1258		75	✓									3.499	
11	755	1260		50	✓									3.804	
12	756	1261		30	✓									4.238	
13	757	1262		20	✓									4.427	
14	758	1264		10	✓									5.066	
15	759	1265		0	✓									6.749	
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 439

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0150

Bottom: 0200

End: 0218

START POSITION (GPS)

LAT: 52 20.49

LONG: 127 28.09

BOTTOM POSITION (GPS)

LAT: 52 20.45

LONG: 127 28.23

END POSITION (GPS)

LAT: 52 20.48

LONG: 127 28.14

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/10

STATION NAME:

DE02

CAST NUMBER:

89

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	
Trip	Confirmed	SAL	✓	NUT	ALK	TCO								ml/L	
pressure	Salinity	✓	OXY	CHL	C13										
1	760	1267		Bot-10	✓									3.205	
2	761	1268		275	✓									3.268	
3	762	1269		250	✓									3.610	
4	763	1270		200	✓									3.379	
5	764	1271		175	✓									3.424	
6	765	1272		150	✓									3.557	
7	766	1273		125	✓									3.574	
8	767	1274		100	✓									3.593	
9	768	1275		75	✓									3.634	
10	769	1276		50	✓									3.896	
11	770	1277		30	✓									4.200	
12	771	1278		20	✓									4.389	
13	772	1279		10	✓									4.818	
14	773	1280		0	✓									6.779	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

DSS

CHECKED BY:

Bottom Depth:

330

Cast # down:

89

Cast # up:

89

Time

LOC

UTC

Begin:

03:01

Bottom:

03:09

End:

START POSITION (GPS)

LAT:

52

16.58

LONG:

127

37.20

BOTTOM POSITION (GPS)

LAT:

16.58

LONG:

37.23

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: De 01UTC DATE y/m/d: 10/6/98
CAST NUMBER: 90SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	774	1282			bot-10	✓								3.202	
2	775	1283			300	✓								3.280	
3	776	1284			250	✓								3.281	
4	777	1285			200	✓								3.357	
5	778	1286			175	✓								3.454	
6	779	1287			150	✓								3.538	
7	780	1288			125	✓								3.622	
8	781	1289			100	✓								3.595	
9	782	1290			75	✓								3.615	
10	783	1291			50	✓								3.931	
11	784	1292			30	✓								4.200	
12	785	1293			20	✓								4.332	
13	786	1294			10	✓								4.931	
14	787	1295			0	✓								6.917	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS

CHECKED BY:

Bottom Depth: 430Cast # down: 90

Cast # up:

Time	LOC	UTC
Begin:		04:06
Bottom:		04:11
End:		04:35

START POSITION (GPS)	
LAT:	52° 15.02
LONG:	127° 46.84

BOTTOM POSITION (GPS)	
LAT:	15.02
LONG:	46.94

END POSITION (GPS)	
LAT:	15.02
LONG:	46.83

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: EVO1UTC DATE y/m/d: 10/6/98
CAST NUMBER: 91SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13							ml/L	
1	788	1296		Bot		✓								1.357	
2	789	1297		175		✓								1.469	
3	790	1298		150		✓								2.154	
4	791	1299		125		✓								2.923	
5	792	2000		100		✓								3.126	
6	793	2007		75		✓								3.038	
7	794	2008		50		✓								3.835	
8	795	2014		30		✓								4.208	
9	796	2015		20		✓								4.407	
10	797	2017		10		✓								5.588	
11	798	2019		0		✓								6.782	
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 200Cast # down: 91Cast # up: 91

Time	LOC	UTC
Begin:		05:53
Bottom:		05:58
End:		06:09

START POSITION (GPS)		
LAT:	52	6.20
LONG:	127°	48.70

BOTTOM POSITION (GPS)		
LAT:		6.20
LONG:		48.76

END POSITION (GPS)		
LAT:		6.21
LONG:		48.73

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/10

STATION NAME:

D01

CAST NUMBER:

92

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l.
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	799	1210		3-10	450	✓	✓	✓									3.767
2	800	1211		400		✓	✓	✓									3.747
3	801	1212		300		✓	✓	✓									3.755
4	802	1213		250		✓											3.812
5	803	1215		200		✓											3.915
6	804	1216		175		✓											4.000
7	805	1217		150		✓											4.080
8	806	1218		125		✓											3.979
9	807	1219		100		✓											3.946
10	808	1221		75		✓											4.177
11	809	1222		50		✓											4.542
12	810	1223		30		✓											4.729
13	811	1224		20		✓											4.876
14	812	1225		10		✓											5.278
15	813	1228		0		✓		✓									7.513
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:

CHECKED BY:

Bottom Depth: 423

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1726

Bottom: 1736

End:

START POSITION (GPS)

LAT: 53 22.28

LONG: 129 11.55

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/10

STATION NAME:

D03

CAST NUMBER:

93

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	814	1229		bottom-10	335	✓	✓	✓									3.691	
2	815	1230		300		✓	✓	✓									3.740	
3	816	1231		250		✓	✓	✓									3.805	
4	817	1233		200		✓											3.921	
5	818	1234		175		✓											4.004	
6	819	1235		150		✓											4.035	
7	820	1237		125		✓											3.991	
8	821	1238		100		✓											3.868	
9	822	1240		75		✓											3.977	
10	823	1241		50		✓											4.530	
11	824	1242		30		✓											4.799	
12	825	1244		20		✓											4.747	
13	826	1246		10		✓											5.111	
14	827	1247		0		✓											7.792	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 345

Cast # down: 93

Cast # up: 93

Time LOC UTC

Begin: 1852

Bottom:

End:

START POSITION (GPS)

LAT: 5351.50

LONG: 129 12.25

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

STATION NAME:

D#05

UTC DATE y/m/d:

98/06/10

CAST NUMBER:

94

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL	OXY	NUT	CHL	ALK	TCO								
pressure	Salinity														
1	828	1248		bottom-10		✓		✓						3.900	
2	829	1249		300		✓								3.967	
3	830	1251		250		✓								3.994	
4	831	1252		200		✓								4.028	
5	832	1253		175		✓								4.030	
6	833	1254		150		✓								4.033	
7	834	1255		125		✓								4.006	
8	835	1256		100		✓								3.896	
9	836	1257		75		✓								3.958	
10	837	1258		50		✓								4.604	
11	838	1260		30		✓								4.737	
12	839	1261		20		✓								4.724	
13	840	1262		10		✓								5.312	
14	841	1264		0		✓		✓						7.147	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 404 m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 20:19

Bottom: 20:27

End: 20:45

START POSITION (GPS)

LAT: 53.40.48

LONG: 129.07.33

BOTTOM POSITION (GPS)

LAT: 53.40.50

LONG: 129.07.35

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

984

UTC DATE y/m/d:

98/06/10

SHIP: Vector

STATION NAME:

Gilt

CAST NUMBER:

95

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l.
					Trip pressure	Confirmed Salinity	SAL	✓	NUT		ALK		TCO						
							✓	OXY		CHL		C13							
1	842	1265		bot-10		✓	✓	↑										2.825	
2	843	1267		150		✓	✓											2.818	
3	844	1268		125		✓												2.833	
4	845	1269		100		✓												3.592	
5	846	1270		75		✓												4.496	
6	847	1271		50		✓												4.890	
7	848	1272		30		✓												4.885	
8	849	1273		20		✓												5.027	
9	850	1274		10		✓												5.898	
10	851	1275		0		✓												7.966	
11								↓											
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 167

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2207

Bottom: 2213

End: 2223

START POSITION (GPS)

LAT: 53 50.57

LONG: 128 58.15

BOTTOM POSITION (GPS)

LAT: 53 50.54

LONG: 128 58.16

END POSITION (GPS)

LAT: 53 50.55

LONG: 128 58.22

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 007UTC DATE y/m/d: 98/6/10
CAST NUMBER: 96SHIP: VectorNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l.
Trip	Confirmed	SAL	✓	NUT	ALK	TCO									
pressure	Salinity	✓	OXY	CHL	C13										
1	852	1210		Bot-10	✓									3986	
2	853	1211		300	✓									4004	
3	854	1212		250	✓									4023	
4	855	1213		200	✓									4041	
5	856	1215		175	✓									4059	
6	857	1216		150	✓									4073	
7	858	1217		125	✓									4080	
8	859	1218		100	✓									3875	
9	860	1219		75	✓									3979	
10	861	1221		50	✓									4332	
11	862	1222		30	✓									4693	
12	863	1223		20	✓									4645	
13	864	1224		10	✓									4954	
14	865	1225		0	✓									7013	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:Bottom Depth: 381

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2325
Bottom:		2334
End:		2351

START POSITION (GPS)		
LAT:	53	47.24
LONG:	128	53.26

BOTTOM POSITION (GPS)		
LAT:	53	47.21
LONG:	128	53.28

END POSITION (GPS)		
LAT:	53	47.21
LONG:	128	53.07

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/6/11

STATION NAME:

209

CAST NUMBER:

97

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
------------	------------	------------	------------	--------------

ROSETTE OPERATION	
Trip pressure	Confirmed Salinity

Samples taken									
SAL	☒ OXY	☒ NUT	CHL	ALK	TCO				

DD
ml/l

1	866	1228		Bot-10		✓														4.024
2	867	1229		200		✓														4.063
3	868	1230		175		✓														4.069
4	869	1231		150		✓														4.083
5	870	1233		125		✓														4.043
6	871	1234		100		✓														3.787
7	872	1235		75		✓														3.763
8	873	1237		50		✓														4.210
9	874	1238		30		✓														5.052
10	875	1240		20		✓														4.994
11	876	1241		10		✓														6.123
12	877	1243		0		✓														6.908
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:

CHECKED BY:

Bottom Depth: 246

Cast # down: 97

Cast # up: 97

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

Begin: 00:47

Bottom: 00:53

End:

START POSITION (GPS)

LAT: 53° 54.42

LONG: 128° 44.06

BOTTOM POSITION (GPS)

LAT: 54.45

LONG: 44.10

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:

SHIP:

VECTOR

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

149

Cast # down:

98

Cast # up:

98

Time

LOC

UTC

Begin:

01:43

Bottom:

01:47

End:

01:56

START POSITION (GPS)

LAT:

53° 58.58

LONG:

128° 40.59

BOTTOM POSITION (GPS)

LAT:

58.62

LONG:

40.59

END POSITION (GPS)

LAT:

58.56

LONG:

40.63

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/11

SHIP:

VECTOR

STATION NAME:

GA14

CAST NUMBER:

99

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										180 ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	887	1210		150	132	✓		✓									3.545	
2	888	1211		125	100	✓											3.695	
3	889	1212		100	75	✓											3.560	
4	890	1213		75	50	✓											3.711	
5	891	1215		50	30	✓											3.732	
6	892a	1216		30	20	✓											3.430	
7	893	1217 *		20	10	✓											5.545 *	
8	894	1218		10	0	✓											8.289	
9	895	No sample		0				✓										
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 141,

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1414

Bottom: 1419

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 15.82

LONG: 127 55 48

END POSITION (GPS)

LAT:

LONG:

Comments:

* Wrong sample # entered should be 893 (NOT 892) - OK - / corrected the sample # 5.
in both .02 & .oxy files but NOT their order.

ROSETTE LOG

MISSION ID: 9814
STATION NAME: GA 12

UTC DATE y/m/d: 98/06/11
CAST NUMBER: 100

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
		OXY		CHL	C13								

DO
ml/l

1	896	1221		bott-10	221	✓	✓	↑										3.774
2	897	1222		125	200	✓												3.849
3	898	1223		100	175	✓												3.870
4	899	1224		75	150	✓												4.047
5	900	1225		50	125	✓												4.177
6	901	1228		30	100	✓												4.209
7	902	1229		20	75	✓												4.141
8	903	1230		10	50	✓												4.259
9	904	1231		0	30	✓												4.010
10	905	1233			20	✓												3.871
11	906	1234			10	✓												5.268
12	907	1235			0	✓	✓											8.010
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 233

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:	1529	
Bottom:	1535	
End:		

START POSITION (GPS)
LAT: 53 22.72
LONG: 128 0344

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: GA 11

UTC DATE y/m/d: 98/06/11
CAST NUMBER: 101

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	908	1237		8-10	275	✓	✓	✓											3.463	
2	909	1238		300	250	✓	✓	✓											3.501	
3	910	1240		250	200	✓													3.584	
4	911	1241		200	175	✓													3.996	
5	912	1243		175	150	✓													3.969	
6	913	1244		150	125	✓													4.154	
7	914	1246		125	100	✓													4.261	
8	915	1247		100	75	✓													4.252	
9	916	1248		75	50	✓													4.376	
10	917	1249		50	30	✓													4.244	
11	918	1251		30	20	✓													3.910	
12	919	1252		20	10	✓													4.740	
13	920	1253		10	0	✓													8.553	
14	921			0				✓												
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 290

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1636
Bottom:		
End:		

START POSITION (GPS)
LAT: 5327.72
LONG: 128 08 60

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/11

STATION NAME:

GA 09

CAST NUMBER:

102

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	ml/l
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	921	1254		bot+10	483	✓		✓									3.403	
2	922	1255		400		✓		✓									3.487	
3	923	1256		300		✓		✓									3.521	
4	924	1257		250		✓											3.667	
5	925	1258		200		✓											4.088	
6	926	1260		175		✓											4.246	
7	927	1261		150		✓											4.266	
8	928	1262		125		✓											4.292	
9	929	1264		100		✓											4.313	
10	930	1265		75		✓											4.396	
11	931	1267		50		✓											4.459	
12	932	1268		30		✓											4.521	
13	933	1269		20		✓											4.256	
14	934	1270		10		✓											4.508	
15	935	1273		0		✓											7.707	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 493.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1751

Bottom: 1801

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 53 29 03

LONG: 128 20.52

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Ga 7

UTC DATE y/m/d: 11/6/98
CAST NUMBER: 103

SHIP: VECTOR

[illegible]

ENTERED BY:	
CHECKED BY:	

Bottom Depth: 201.

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1925
Bottom:		1930
End:		

START POSITION (GPS)	
LAT:	53 26.23
LONG:	128 34.14

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Ga6

UTC DATE y/m/d: 11/6/98
CAST NUMBER: 104

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	TCO							
1	947	1293		bot-10		✓													4.103
2	948	1294		175		✓													4.128
3	949	1295		150		✓													4.177
4	950	1296		125		✓													4.199
5	951	1297		100		✓													4.273
6	952	1298		75		✓													4.368
7	953	1299		50		✓													4.490
8	954	2000		30		✓													4.577
9	955	2007		20		✓													4.496
10	956	2008		10		✓													4.556
11	957	2014		0		✓													7.812
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 203

Cast # down: 104
Cast # up: 104

Time	LOC	UTC
Begin:		02:27
Bottom:		22:37
End:		

START POSITION (GPS)
LAT: 53° 30.46
LONG: 128° 42.58

BOTTOM POSITION (GPS)
LAT: 30.48
LONG: 42.60

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

11/6/98

STATION NAME:

Ga 4

CAST NUMBER:

105

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	958	1271		bot-10		✓											DO ml/l
2	959	1272		175		✓											3.984
3	960	1274		150		✓											4.032
4	961	1275		125		✓											4.080
5	962	1276		100		✓											4.116
6	963	1277		75		✓											4.229
7	964	1278		50		✓											4.450
8	965	1279		20		✓											4.475
9	966	1280		20		✓											4.494
10	967	1281		10		✓											4.647
11	968	1249		0		✓											5.005
12																	7.973
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

204

Cast # down:

105

Cast # up:

105

Time

LOC

UTC

Begin:

23:41

Bottom:

23:47

End:

00:00

START POSITION (GPS)

LAT:

53° 32.76

LONG:

128° 53.01

BOTTOM POSITION (GPS)

LAT:

32.77

LONG:

53.07

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Ga02

UTC DATE y/m/d: 12/6/98
CAST NUMBER: 106

SHIP: Vesta

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 371

Cast # down: 106

Cast # up: _____

Time	LOC	UTC
Begin:		01:01
Bottom:		01:10
End:		01:29

START POSITION (GPS)		
LAT:	53°	26.31
LONG:	128°	55.73

BOTTOM POSITION (GPS)	
LAT:	26.25
LONG:	55.70

END POSITION (GPS)	
LAT:	26.16
LONG:	55.68

[illegible]

Comments:

Surface sample in 1 liter bottle containing particulates
Beth will analyze

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Ga 01UTC DATE y/m/d: 12/6/98
CAST NUMBER: 107SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO						
1	983	1251	107-10			✓													3.669
2	984	1252	400			✓													3.684
3	985	1253	300			✓													3.722
4	986	1254	250			✓													3.757
5	987	1255	200			✓													3.815
6	988	1256	175			✓													3.862
7	989	1257	150			✓													3.908
8	990	1258	125			✓													3.925
9	991	1260	100			✓													3.782
10	992	1261	75			✓													3.819
11	993	1262	50			✓													4.208
12	994	1264	30			✓													4.374
13	995	1265	20			✓													4.509
14	996	1267	10			✓													4.787
15	997	1268	0			✓													6.870
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY: DJS
CHECKED BY:Bottom Depth: 519Cast # down: 107Cast # up: 107

Time	LOC	UTC
Begin:		02:24
Bottom:		02:35
End:		

START POSITION (GPS)		
LAT:	53°	19.86
LONG:	128°	54.31

BOTTOM POSITION (GPS)		
LAT:		19.83
LONG:		54.29

END POSITION (GPS)		
LAT:		
LONG:		

ROSETTE LOG

MISSION ID: 98-14
STATION NAME: SP5UTC DATE y/m/d: 98/06/12
CAST NUMBER: 108SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	998	1210		200	215	✓		✓									10.0	H ₂ S
2	999	1211		175	200	✓		✓									0.055	
3	1000	1212		150	175	✓		✓									0.044	
4	1001	1213		125	150	✓		✓									0.061	
5	1002	1215		100	125	✓		✓									0.066	
6	1003	1216		75	100	✓		✓									1.043	
7	1004	1217		50	75	✓		✓									2.632	
8	1005	1218		30	50	✓		✓									3.661	
9	1006	1219		20	30	✓		✓									4.191	
10	1007	1221		10	20	✓		✓									4.177	
11	1008	1222		0	10	✓		✓									4.084	
12	1009	1223			0	✓		✓									6.274	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 222Cast # down: 108

Cast # up:

Time LOC UTC

Begin: 1401

Bottom:

End:

START POSITION (GPS)

LAT: 52 36.52LONG: 128 04.07

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

anoxic bottom - H₂S in bottle #1 + #2?

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/12

STATION NAME:

SP 4

CAST NUMBER:

109

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1010	1224		bot-10	205	✓	✓												0.806	
2	1011	1225		175		✓													2.088	
3	1012	1228		150		✓													2.780	
4	1013	1229		125		✓													2.806	
5	1014	1230		100		✓													2.746	
6	1015	1231		75		✓													2.798	
7	1016	1233		50		✓													3.838	
8	1017	1234		30		✓													4.327	
9	1018	1235		20		✓													4.262	
10	1019	1239		10		✓													4.821	
11	1020	1238		0		✓													6.230	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 229

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1456

Bottom: 1503

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 52 33.56

LONG: 128 06.20

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:
STATION NAME:

UTC DATE y/m/d:
CAST NUMBER:

SHIP: VECTOR

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 49.3

Cast # down:

Cast # up:

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

Begin: 1556

Bottom:

End:

START POSITION (GPS)

LAT: 52 27.70

LONG: 128 05 24

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/12

STATION NAME:

SP2

CAST NUMBER:

111

SHIP:

Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1036	1258		60H-10		✓	✓	✓									2.271	
2	1037	1260		400		✓	✓	✓									2.312	
3	1038	1261		300		✓											2.393	
4	1039	1262		250		✓											2.432	
5	1040	1264		200		✓											2.485	
6	1041	1265		175		✓											2.555	
7	1042	1267		150		✓											2.651	
8	1043	1268		125		✓											2.766	
9	1044	1269		100		✓											2.965	
10	1045	1270		75		✓											3.248	
11	1046	1271		50		✓											4.434	
12	1047	1272		30		✓											4.885	
13	1048	1273		20		✓											4.855	
14	1049	1274		10		✓											6.530	
15	1050	1275		0		✓											6.609	
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

464

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1706

Bottom:

End:

START POSITION (GPS)

LAT: 52 23.41

LONG: 128 08.89

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:
STATION NAME:9814
SPIUTC DATE y/m/d:
CAST NUMBER:98/06/12
112

SHIP: 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							DO ml/l	
1	1051	1283		bott-10	bott-10	✓	✓										2.353	
2	1052	1284		250	300	✓	✓										2.387	
3	1053	1285		200	250	✓											2.436	
4	1054	1286		175	200	✓											2.493	
5	1055	1287		150	175	✓											2.550	
6	1056	1288		125	150	✓											2.597	
7	1057	1289		100	125	✓											2.716	
8	1058	1290		75	100	✓											2.944	
9	1059	1291		50	75	✓											2.956	
10	1060	1292		30	50	✓											4.218	
11	1061	1293		20	30	✓											4.870	
12	1062	1294		10	20	✓											4.980	
13	1063	1295		0	10	✓											5.824	
14	1064	1296			0	✓											6.672	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 382

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1811

Bottom: 1819

End: 1835

START POSITION (GPS)

LAT: 52 19.10

LONG: 12-8 12.69

BOTTOM POSITION (GPS)

LAT: 52 19.11

LONG: 12-8 12.68

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

13/6/98

SHIP:

VECOR

STATION NAME:

R01

CAST NUMBER:

114

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DD ml/l.	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1071	1217		bot-10		✓	✓	✓									3.728	
2	1072	1218		175		✓											3.754	
3	1073	1219		150		✓											3.756	
4	1074	1221		125		✓											3.785	
5	1075	1222		100		✓											3.815	
6	1076	1223		75		✓											3.864	
7	1077	1224		50		✓											4.036	
8	1078	1225		30		✓											4.172	
9	1079	1228		20		✓											4.378	
10	1080	1229		10		✓											5.026	
11	1081	1230		0		✓		✓									6.951	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

DJS

CHECKED BY:

Bottom Depth:

215

Cast # down:

114

Cast # up:

114

Time

LOC

UTC

Begin:

03:23

Bottom:

03:30

End:

START POSITION (GPS)

LAT:

52

19.78

LONG:

127

56.06

BOTTOM POSITION (GPS)

LAT:

19.77

LONG:

56.02

END POSITION (GPS)

LAT:

LONG:

Comments:

* Ooops - did NOT start a new file for this station - it's in with 98140113

BRI-
(Tied. 38)

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

13/6/98

STATION NAME:

Ro2

CAST NUMBER:

115

SHIP: Vexel

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	1082	1231		bst-10		✓		✓						3.782	
2	1083	1233		100		✓								3.826	
3	1084	1234		75		✓								3.926	
4	1085	1235		50		✓								4.090	
5	1086	1237		30		✓								4.227	
6	1087	1238		20		✓								4.490	
7	1088	1240		10		✓								6.802	
8	1089	1241		0		✓		✓						6.557	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DSS

CHECKED BY:

Bottom Depth: 134

Cast # down: 115

Cast # up: 115

Time LOC UTC

Begin: 04.10

Bottom: 04.14

End:

START POSITION (GPS)

LAT: 52° 22.74

LONG: 123° 52.47

BOTTOM POSITION (GPS)

LAT: 22.68

LONG: 52.42

END POSITION (GPS)

LAT:

LONG:

Comments: ENTERED start positions - NOT BOTTOM.

ROSETTE LOG

MISSION ID: 9814
STATION NAME: R03

UTC DATE y/m/d: 13/6/98
CAST NUMBER: 116

SHIP:

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								

1	1090			bot+0		✓		✓							4119
2	1091			125		✓									3898
3	1092			100		✓									3913
4	1093			75		✓									3919
5	1094			50		✓							718	check	4019
6	1095			30		✓									4153
7	1096			20		✓									4330
8	1097			10		✓									6312
9	1098			0		✓									6434
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DS
CHECKED BY:

Bottom Depth:

Cast # down: 116
Cast # up: 116

Time	LOC	UTC
Begin:		04:57
Bottom:		05:03
End:		

START POSITION (GPS)
LAT: 52° 27.02
LONG: 127° 55.06

BOTTOM POSITION (GPS)
LAT: 52 27.05
LONG: 127 54.98

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Ro 4

UTC DATE y/m/d: 13/6/98
CAST NUMBER: 117

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		CI3						
1	1099	1291		bot-10		✓							on file 9814 d116				3.960	
2	1100			100		✓											3.993	
3	1101			75		✓											4.000	
4	1102			50		✓											4.055	
5	1103			30		✓											4.143	
6	1104	2000		20		✓											4.162	
7	1105			10		✓											5.247	
8	1106			0		✓											6.298	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 140

Cast # down: 117
Cast # up: 117

Time	LOC	UTC
Begin:		05:46
Bottom:		05:50
End:		05:59

START POSITION (GPS)
LAT: 52° 29.93
LONG: 127° 50.84

BOTTOM POSITION (GPS)
LAT: 52 29.92
LONG: 127 50.89

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:**SHIP:**

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

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

Begin: 06:40

Bottom: 06:45

End:

START POSITION (GPS)

LAT: 52 28.00

LONG: 127 44.39

BOTTOM POSITION (GPS)

LAT: 28.00

LONG: 44.77

END POSITION (GPS)

LAT:

LONG:

Comments:

1/28 is bottle #1

ROSETTE LOG

MISSION ID: 9814
STATION NAME: RI8UTC DATE y/m/d: 98/06/13
CAST NUMBER: 119SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO									
1	1114	1210		150	137.	✓		✓											2470.	
2	1115	1212		128		✓		✓											2594.	
3	1116	1211		100		✓		✓											3.185	
4	1117	1213		75		✓		✓											3.347	
5	1118	1215		50		✓		✓											3.760	
6	1119	1216		30		✓		✓											3.746	
7	1120	1217		20		✓		✓											3.845	
8	1121	1218		10		✓		✓											4.051	
9	1122	1219		0		✓		✓											2143.	
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:Bottom Depth: 144

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1716
Bottom:		
End:		

START POSITION (GPS)		
LAT:	5150.70	
LONG:	12721.77	

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/13

STATION NAME:

RI7

CAST NUMBER:

120

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL	✓	NUT	ALK	TCO									
pressure	Salinity	OXY		CHL	C13										
1	1123	1121		bott-10	223	✓		✓							2.290
2	1124	1222		200		✓		✓							2.413
3	1125	1224		175		✓									2.365
4	1126	1223		150		✓									2.460
5	1127	1225		125		✓									3.605
6	1128	1228		100		✓									4.086
7	1129	1230		75		✓									4.008
8	1130	1229		50		✓									4.181
9	1131	1231		30		✓									4.344
10	1132	1233		20		✓									4.227
11	1133	1234		10		✓									4.434
12	1134	1235		0		✓									6.811
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 241

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1802
Bottom:		1809
End:		1821

START POSITION (GPS)	
LAT:	51 46 70
LONG:	127 23 62

BOTTOM POSITION (GPS)	
LAT:	51 46 68
LONG:	127 23 59

END POSITION (GPS)	
LAT:	51 46 66
LONG:	127 23 60

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/13

STATION NAME:

Rib

CAST NUMBER:

121

SHIP: Vector

Niskin
No.Sample
No.OXY.
FlaskOXY.
Temp.Sample
Depth

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

✓

NUT

Samples taken

ALK

TCO

C13

CHL

↑
↓DO
ml/l

1	1135	1237		bot-10		✓													0.363
2	1136	1238		175		✓													2.412
3	1137	1240		150		✓													2.218
4	1138	1241		125		✓													2.312
5	1139	1242		100		✓													2.407
6	1140	1244		75		✓													2.747
7	1141	1246		50		✓													3.712
8	1142	1247		30		✓													4.511
9	1143	1248		20		✓													4.581
10	1144	1249		10		✓													4.910
11	1145	1251		0															6.834
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 205

Cast # down: 121

Cast # up:

Time LOC UTC

Begin: 18:54

Bottom: 18:59

End:

START POSITION (GPS)

LAT: 51° 43.66

LONG: 127° 27.20

BOTTOM POSITION (GPS)

LAT: 43.66

LONG: 27.20

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/13

SHIP: VECTOR

STATION NAME:

R1.5

CAST NUMBER:

122

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DD ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1146	1252		200	194	✓	✓	✓									2.028	
2	1147	1253		175		✓	✓										1.998	
3	1148	1254		150		✓											2.176	
4	1149	1255		125		✓											2.316	2.356
5	1150	1256		100		✓											2.574	
6	1151	1257		75		✓											3.136	
7	1152	1258		50		✓											3.819	
8	1153	1260		30		✓											4.342	
9	1154	1261		20		✓											4.629	
10	1155	1262		10		✓											4.886	
11	1156	1264		0		✓		✓									7.856	
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 200 m

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2011

Bottom: 2018

End: 2034

START POSITION (GPS)

LAT: 5140.68

LONG: 12719.19

BOTTOM POSITION (GPS)

LAT: 51 40.67

LONG: 127 19.93

END POSITION (GPS)

LAT: 51 40.70

LONG: 127 19.89

Comments: #1149 Transm. Recd ↑ 177.3%

0.126 ml

0.304

0.430

Temp

DD 0.662

+ 1.654

2.316

Continue 2

126

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/13

STATION NAME:

RI 4

CAST NUMBER:

123

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth
------------	------------	------------	------------	--------------

ROSETTE OPERATION

Trip pressure	Confirmed Salinity
---------------	--------------------

Samples taken

SAL		NUT		ALK		TCO													
	OXY		CHL		C13														

DD
ml/l.

1	1157	1265		300		✓		✓	✓										3.079
2	1158	1267		250		✓		✓											3.269
3	1159	1268		200		✓													2.958
4	1160	1269		175		✓													2.737
5	1161	1270		150		✓													2.648
6	1162	1271		125		✓													2.722
7	1163	1272		100		✓													2.728
8	1164	1273		75		✓													3.307
9	1165	1274		50		✓													4.062
10	1166	1275		30		✓													4.398
11	1167	1276		20		✓													4.647
12	1168	1277		10		✓													5.006
13	1169	1278		0					✓										7.712
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:

CHECKED BY:

Bottom Depth: 300 m

Cast # down:

Cast # up:

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

Begin: 2106

Bottom: 2115

End: 2130

START POSITION (GPS)

LAT: 51 38.90

LONG: 127 26.70

BOTTOM POSITION (GPS)

LAT: 51 38.91

LONG: 127 26.77

END POSITION (GPS)

LAT: 51 38.95

LONG: 127 26.78

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: SMQ2UTC DATE y/m/d: 14/6/98
CAST NUMBER: 126SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	Sal
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	1195	1210		805-16		✓								0.951	
2	1196	1211		300		✓								1.046	
3	1197	1212		150		✓								1.221	
4	1198	1213		200		✓								2.530	
5	1199	1215		135		✓								3.227	
6	1200	1216		150		✓								3.176	
7	1201	1217		125		✓								2.901	
8	1202	1218		100		✓								2.552	
9	1203	1219		75		✓								2.810	
10	1204	1221		50		✓								3.427	
11	1205	1222		30		✓								3.899	
12	1206	1223		20		✓								4.415	
13	1207	1224		10		✓								4.581	
14	1208	1225		0		✓								6.688	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BETH

CHECKED BY:

Bottom Depth: 370

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0246Bottom: 0254End: 0315

START POSITION (GPS)

LAT: 51 18.00LONG: 127 22.15

BOTTOM POSITION (GPS)

LAT: 51 18.00LONG: 127 22.06

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/14

STATION NAME:

SM03

CAST NUMBER:

127

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	1209			BOT		✓											1.026	
2	1210			250		✓											1.080	
3	1211	1252		200		✓											1.861	
4	1212			175		✓											2.345	
5	1213			150		✓											1.794	
6	1214			125		✓											1.682	
7	1215			100		✓											1.735	
8	1216			75		✓											2.202	
9	1217	1258		50		✓											2.994	
10	1218			30		✓											3.313	
11	1219			20		✓											3.953	
12	1220			10		✓											3.816	
13	1221			0		✓											7.001	
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

BETH

CHECKED BY:

Bottom Depth:

325

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

0351

Bottom:

End:

0413

START POSITION (GPS)

LAT: 51 18.53

LONG: 127 14.60

BOTTOM POSITION (GPS)

LAT: 51 18.54

LONG: 127 14.54

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9614
STATION NAME: SM04UTC DATE y/m/d: 98/06/14
CAST NUMBER: 128SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	1222			801 *	✓	✓								0.0	
2	1223			150 *	✓									0.0	
3	1224			125 *	✓									-0.023	0.003
4	1225	1269		100	✓									.627	
5	1226			75	✓									2.262	
6	1227			50	✓									2.494	
7	1228			30	✓									3.076	
8	1229			20	✓									3.224	
9	1230			10	✓									4.002	
10	1231			0										7.073	
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BETH
CHECKED BY:Bottom Depth: 182

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	<u>0449</u>	
Bottom:		
End:		

START POSITION (GPS)
LAT: 5 1 21.60
LONG: 127 09.01BOTTOM POSITION (GPS)
LAT: 5 1 21.61
LONG: 127 09.05END POSITION (GPS)
LAT:
LONG:

Comments:

x Bottle #1, #2 + #3 had noticeable H₂S odour!

ROSETTE LOG

MISSION ID: 9814
STATION NAME: SM05UTC DATE y/m/d: 98/06/14
CAST NUMBER: 129SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13								
1	1232			BOT	✓									2.176	
2	1233			75	✓									2.277	
3	1234			50	✓									2.268	
4	1235			30	✓									2.459	
5	1236			20	✓									2.821	
6	1237			10	✓									5.522	
7	1238			0	✓									6.983	
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BETH
CHECKED BY:Bottom Depth: 105

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:	0526	
Bottom:	0530	
End:	0538	

START POSITION (GPS)	
LAT:	5121.35
LONG:	12706.26

BOTTOM POSITION (GPS)	
LAT:	5121.34
LONG:	12706.24

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/14

STATION NAME:

Q4

CAST NUMBER:

130

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1239	1210		8-10		✓			✓								4.608	
2	1240	1211		100		✓											4.577	
3	1241	1212		15		✓											4.536	
4	1242	1213		50		✓											4.573	
5	1243	1215		30		✓											5.301	
6	1244	1216		20		✓											5.343	
7	1245	1217		10		✓											5.411	
8	1246	1218		0		✓											5.720	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 120

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1747

Bottom:

End:

START POSITION (GPS)

LAT: 50 31.72

LONG: 127 38.72

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/14

STATION NAME:

HOL 5

CAST NUMBER:

131

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip	Confirmed	SAL	✓	NUT	ALK	TCO									
pressure	Salinity	OXY		CHL	C13										
1	1247	1210		bott-10	✓		↑							4.875	
2	1248	1211		30	✓									4.583	
3	1249	1212		20	✓									4.603	
4	1250	1213		10	✓									4.948	
5	1251	1215		0	✓		↓							5.457	
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 54

Cast # down:

Cast # up:

Time LOC UTC

Begin: 2012

Bottom:

End:

START POSITION (GPS)

LAT: 5038.22

LONG: 12757.31

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: HOL 4

UTC DATE y/m/d: 98/06/14
CAST NUMBER: 132

SHIP: Vector

ENTERED BY: _____

CHECKED BY:

Bottom Depth: 55

Cast # down:

Cast # up: _____

Time	LOC	UTC
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Begin:

Bottom: 20:51

End:

START POSITION (GPS)

LAT: _____

LONG:

BOTTOM POSITION (GPS)

LAT: 50 37.00

LONG: 127 51.21

END POSITION (GPS)	
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LAT: _____

LONG:

[illegible]

Comments:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:**SHIP:**

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
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Begin: 2122

Bottom:

End:

START POSITION (GPS)

LAT: 50 35.85

LONG: 127 45.03

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

[illegible]

Comments: x 1260 & 1261 done in reverse order

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/14

STATION NAME:

HOL 2

CAST NUMBER:

134

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION
Trip Confirmed
pressure Salinity

Samples taken
SAL ☒ NUT ☐ ALK ☐ TCO ☐
OXY ☐ CHL ☐ C13 ☐

DO
rel.

1	1263	1237		bottom - 10		✓		↑											5.501
2	1264	1235		75		✓													5.493
3	1265	1238		50		✓													5.446
4	1266	1240		30		✓													5.228
5	1267	1241		20		✓													5.055
6	1268	1224		10		✓													5.433
7	1269	1225		0		✓													5.840
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 117,

Cast # down:

Cast # up:

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

Begin: 2156

Bottom: 2159

End: 2206

START POSITION (GPS)

LAT: 50 35.29

LONG: 127 39.00

BOTTOM POSITION (GPS)

LAT: 50.35.27

LONG: 127:38.92

END POSITION (GPS)

LAT: 50 35.25

LONG: 127 38.78

ROSETTE LOG

MISSION ID: 9814
STATION NAME: HOL 1

UTC DATE y/m/d: 98/06/14
CAST NUMBER: 135

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1270	1210		bottom-10		✓													5.498	
2	1271	1211		100		✓													5.518	
3	1272	1212		75		✓													5.541	
4	1273	1213		50		✓													5.575	
5	1274	1215		30		✓													5.623	
6	1275	1216		20		✓													5.670	
7	1276	1217		10		✓													5.880	
8	1277	1218		0		✓													6.510	
9	1278	NO SAMPLE		—																
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 127

Cast # down:
Cast # up:

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

START POSITION (GPS)
LAT: 50 33.91
LONG: 127 33 61

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: RU 2

UTC DATE y/m/d: 98/06/14
CAST NUMBER: 136

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	1279	1249		BOT		✓													5.276
2	1280	1251		50		✓													5.237
3	1281	1252		30		✓													5.329
4	1282	1253		20		✓													5.564
5	1283	1254		10		✓													6.204
6	1284	1256		0		✓													6.846
7																			
8																			
9																			
10																			
11																			
12																			
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19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 75

Cast # down: 136
Cast # up:

Time LOC UTC
Begin:
Bottom:
End: 2320

START POSITION (GPS)
LAT: 50 35.02
LONG: 127 30.28

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/14

SHIP:

Vector

STATION NAME:

Ru3

CAST NUMBER:

137

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1285	1255	60.1-10			✓											5.336	
2	1286	1257	30			✓											5.155	
3	1287	1258	20			✓											5.187	
4	1288	1260	10			✓											5.586	
5	1289	1261	0			✓											6.726	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
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19																		
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21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

BETH

CHECKED BY:

Bottom Depth:

67 m

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

2343

Bottom:

End:

START POSITION (GPS)

LAT: 50 35.29

LONG: 127 26 53

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 2

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 138

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1290			30		✓		✓									1.780	
2	1291			25		✓		✓									1.603	
3	1292			20		✓		✓									2.070	
4	1293			15		✓		✓									2.272	
5	1294			10		✓		✓									2.900	
6	1295			5		✓		✓									2.979	
7	1296	1217		0		✓		✓									3.253	
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BM.
CHECKED BY:

Bottom Depth:

Cast # down: 37.
Cast # up:

Time	LOC	UTC
Begin:		1450
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 21 03
LONG: 127 26.47

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/15

STATION NAME:

#5

CAST NUMBER:

139

SHIP:

VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	ml/l
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	1297	1218		50	46	✓	✓	✓	✓										35.3	
2	1298	1219		30		✓													24.13	
3	1299	1221		25		✓													2080	
4	1300	1222		20		✓													2653	
5	1301	1223		15		✓													3128	
6	1302	1224		10		✓													3379	
7	1303	1225		5		✓													3571	
8	1304	1228		0		✓													4868	
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
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18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

5.5

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1513

Bottom:

End:

START POSITION (GPS)

LAT: 5022.01

LONG: 12726.61

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:**STATION NAME:**

UTC DATE y/m/d:

CAST NUMBER:

SHIP: V GOTTRE

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 45

Cast # down:

Cast # up:

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

Begin: 1536

Bottom:

End:

START POSITION (GPS)

LAT: 502301

LONG: 12727.51

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments: #1307 - should be less #1233

ROSETTE LOG

MISSION ID: 9814
STATION NAME: #11

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 141

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	OXY	NUT	CHL	ALK	C13	TCO							
1	1313	1249		bot-10	96	✓	✓	↑											4.222	
2	1314	1251		75		✓	✓												4.240	
3	1315	1252		50		✓													4.290	
4	1316	1253		30		✓													3.745	
5	1317	1254		25		✓													3.513	
6	1318	1255		20		✓													3.938	
7	1319	1256		15		✓													4.405	
8	1320	1257		10		✓													4.640	
9	1321	1258		5		✓													4.419	
10	1322	1260		0				↓											5.388	
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 102

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1603
Bottom:		
End:		

START POSITION (GPS)
LAT: 5023.70
LONG: 12728.80

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: #14

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 142

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l
Trip pressure	Confirmed Salinity	SAL	☒	NUT		ALK		TCO							
			OXY		CHL		C13								

1	1323	1261		bottom-10	131	✓									4.255
2	1324	1262		100		✓									4.253
3	1325	1264		75		✓									4.290
4	1326	1265		50		✓									4.368
5	1327	1267		30		✓									3.558
6	1328	1268		25		✓									3.776
7	1329	1269		20		✓									3.975
8	1330	1270		15		✓									4.347
9	1331	1271		10		✓									4.625
10	1332	1272		5		✓									4.742
11	1333	1273		0		✓									5.460
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 139

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1640
Bottom:		1640
End:		1653

START POSITION (GPS)
LAT: 5024.36
LONG: 12729.51

BOTTOM POSITION (GPS)
LAT: 24.38
LONG: 29.52

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: #17

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 143

SHIP: Vector

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l.
Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
			OXY	CHL	C13										

1	1334	1274		bottom	164	✓	✓	↑							4.002
2	1335	1275		125	140	✓	✓								4.093
3	1336	1276		100	125	✓									4.253
4	1337	1277		75	100	✓									4.481
5	1338	1278		50	75	✓									4.358
6	1339	1279		30	50	✓									4.377
7	1340	1280		25	30	✓									4.187
8	1341	1281		20	25	✓									3.806
9	1342	1282		15	20	✓									3.993
10	1343	1283		10	15	✓									4.398
11	1344	1284		5	10	✓									4.024
12	1345	1285		0	5	✓		↓							5.053
13	1346	1286			0	✓									5.269
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:
CHECKED BY:

Bottom Depth: 174

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1707
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 25.72
LONG: 127 30 54

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/15

SHIP: VECOR

STATION NAME:

#20

CAST NUMBER:

144

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1347	1287		8-5	184	✓	✓										DO	
2	1348	1288		175		✓	✓										ml/l.	
3	1349	1289		150		✓												
4	1350	1290		125		✓												
5	1351	1291		100		✓												
6	1352	1292		75		✓												
7	1353	1293		50		✓												
8	1354	1294		30		✓												
9	1355	1295		25		✓												
10	1356	2000		20		✓												
11	1357	1297		15		✓												
12	1358	1298		10		✓												
13	1359	1299		5		✓												
14	1360	2007		0		✓												
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 196

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1744

Bottom: 1749

End: 1804

START POSITION (GPS)

LAT: 5027.01

LONG: 12731.60

BOTTOM POSITION (GPS)

LAT: 5027.00

LONG: 12731.59

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/15

STATION NAME:

N18

CAST NUMBER:

145

SHIP:

VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION
Trip Confirmed
pressure Salinity

Samples taken
SAL ☒ NUT ☐ ALK ☐ TCO ☐
OXY ☐ CHL ☐ C13 ☐

DO
ml/l

1	1361	2008		8-5		✓		↑										4.148
2	1362	2014		175		✓												4.191
3	1363	2015		150		✓												4.441
4	1364	2017		125		✓												4.460
5	1365	2019		100		✓												4.478
6	1366	2025		75		✓												4.463
7	1367	2027		50		✓												4.361
8	1368	2032		30		✓												4.327
9	1369	2033		20		✓												4.331
10	1370	2035		10		✓		↓										5.223
11	1371	2036		0														5.926
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

195

Cast # down:

Cast # up:

Time LOC UTC

Begin: 1824

Bottom:

End:

START POSITION (GPS)

LAT: 50 28.89

LONG: 127 33.55

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: N22

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 146

SHIP: VECTOK

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1372				8-5	✓		↑									4508	
2	1373				100	✓											4503	
3	1374				75	✓											4423	
4	1375				50	✓											4391	
5	1376				30	✓											4352	
6	1377				20	✓											4603	
7	1378				10	✓											5328	
8	1379				0	✓		✓									6054	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BETH
CHECKED BY:

Bottom Depth: 150

Cast # down: 146
Cast # up:

Time	LOC	UTC
Begin:		1904
Bottom:		
End:		

START POSITION (GPS)
LAT: 50 30 53
LONG: 127 35.95

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: Q3

UTC DATE y/m/d: 98/06/15
CAST NUMBER: 147

SHIP:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1380			B-5	195	✓		↑											4.097	
2	1381			175		✓													4.134	
3	1382			150		✓	✓												4.159	
4	1383			125		✓	✓												4.185	
5	1384			100		✓													4.223	
6	1385			75		✓													4.509	
7	1386			50		✓													4.601	poor
8	1387			30		✓													4.618	
9	1388			20		✓													5.045	
10	1389			10		✓													5.229	
11	1390			0		✓		↓											6.268	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 206

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2004
Bottom:		2009
End:		

START POSITION (GPS)
LAT: 5029.73
LONG: 12746.28

BOTTOM POSITION (GPS)
LAT: 29.74
LONG: 46.30

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/15

SHIP:

Vector

STATION NAME:

Q2

CAST NUMBER:

148

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	☒	NUT	ALK	TCO							
1	1391			175	B-5	✓ 214		↑									3461	
2	1392			150	200	✓											3497	
3	1393			125	175	✓											3571	
4	1394			100	150	✓											3621	
5	1395			75	125	✓											3676	
6	1396			50	100	✓											3695	
7	1397			30	75	✓											3695	
8	1398			20	50	✓											4342	
9	1399			10	30	✓											4670	
10	1400			0	20	✓											4796	
11	1401				10	✓											5587	
12	1402				0	✓		↓									6488	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 228

Cast # down:

Cast # up:

Time LOC UTC

Begin: 20:59

Bottom: 21:04

End:

START POSITION (GPS)

LAT: 50 28 24

LONG: 127 54.34

BOTTOM POSITION (GPS)

LAT: 50 28.23

LONG: 127 54.38

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: ZEB 4

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 149

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	1403			B-10		✓		↑									4.499	
2	1404			200		✓											4.335	
3	1405			175		✓											4.123	
4	1406	1253		150		✓											3.734	
5	1407	1254		125		✓											3.532	
6	1408			100		✓											1.865	
7	1409	1256		75		✓											2.434	
8	1410	1257		50		✓											2.728	
9	1411			30		✓											3.650	
10	1412			20		✓											2.900	
11	1413			10		✓											4.031	
12	1414			0		✓		↓									6.063	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 233

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1416
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 51.31
LONG: 126 55.61

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: ZEB 2

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 150

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	1415			60ft-10	215	✓													4301	
2	1416			175		✓													4295	
3	1417			150		✓													4270	
4	1418			125		✓													3054	
5	1419			100		✓													717	
6	1420			75		✓													771	
7	1421			50		✓													1089	
8	1422			30		✓													2800	
9	1423			20		✓													2460	
10	1424			10		✓													2961	
11	1425			0		✓													6389	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 227

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1551
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 55 50
LONG: 126 47.91

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/16

STATION NAME:

HEC 1

CAST NUMBER:

151

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										80 ml/l.	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1426	1283.		bott-10		✓	✓	↑									3.814	
2	1427	1284.		200		✓											3.482	
3	1428	1285.		175		✓											3.194	
4	1429	1286		150		✓											2.792	
5	1430	1287		125		✓											2.025	
6	1431	1288		100		✓											0.701	
7	1432	1289		75		✓											0.680	
8	1433	1290.		50		✓											0.886	
9	1434	1291		30		✓											1.911	
10	1435	1292		20		✓											2.361	
11	1436	1293.		10		✓											5.182	
12	1437	1294.		0		✓		↓									6.068	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 253

Cast # down:

Cast # up:

Time LOC UTC

Begin: 16:50

Bottom: 16:58

End: 17:08

START POSITION (GPS)

LAT: 49 52 10

LONG: 126 45 09

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/16

STATION NAME:

TAH 1.

CAST NUMBER:

152

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	1438	1295		8-2	138	✓													DO
2	1439	1297		20.7	125	✓													ml/l
3	1440	1298		17.8	100	✓													
4	1441	1299		15.0	75	✓													
5	1442	2000		12.5	50	✓													
6	1443	2007		10.0	30	✓													
7	1444	2008		7.5	20	✓													
8	1445	2014		5.0	10	✓													
9	1446	2015		3.0	0														
10				2.0															
11				1.0															
12				0															
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth:

146

Cast # down:

Cast # up:

Time LOC UTC

Begin: 17:52

Bottom: 17:58

End:

START POSITION (GPS)

LAT: 49 54.01

LONG: 126 39.29

BOTTOM POSITION (GPS)

LAT: 49 54.02

LONG: 126 39.31

END POSITION (GPS)

LAT:

LONG:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: TAH2

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 153

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
								OXY		CHL		C13							me/l	
1	1447	2017		botl-10	188	✓	✓	✓											0.294	
2	1448	2019		150		✓													2.525	
3	1449	2025		125		✓													3.442	
4	1450	2027		100		✓													3.380	
5	1451	2032		75		✓													2.536	
6	1452	2033		50		✓													2.238	
7	1453	2035		30		✓													2.812	
8	1454	2036		20		✓													3.133	
9	1455	2038		10		✓													3.207	
10	1456	2040		0		✓		✓											6.424	
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 198

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1829
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 51.43
LONG: 126 39.69

BOTTOM POSITION (GPS)
LAT: 49 51.42
LONG: 126 39.71

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: TAH3

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 154

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	1457	2043		8-5	117.	✓											8.547
2	1458	2044		100		✓											8.581
3	1459	2045		75		✓											8.849
4	1460	2047		50		✓											8.258
5	1461	2049		30		✓											8.357
6	1462	2051		20		✓											8.319
7	1463	2052		10		✓											4.030
8	1464	2054		0		✓											6.831
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth: 125.

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1921
Bottom:		
End:		1932

START POSITION (GPS)
LAT: 4947.92
LONG: 12639.06

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: TLU 1

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 155

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1465	2055		60ft-10		✓	✓												4.139	
2	1466	2056		200		✓	✓												4.148	
3	1467	2057		175		✓													4.123	
4	1468	2059		150		✓													4.054	
5	1469	2060		125		✓													3.631	
6	1470	2061		100		✓													4.131	
7	1471	2062		75		✓													3.539	
8	1472	2063		50		✓													3.878	
9	1473	2064		30		✓													3.309	
10	1474	2065		20		✓													2.706	
11	1475	2068		10		✓													2.921	
12	1476	2069		0		✓													5.883	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 265

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2046
Bottom:		
End:		2058

START POSITION (GPS)
LAT: 49.41.60
LONG: 126.30.97

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: MUC 5

UTC DATE y/m/d: 98/06/16
CAST NUMBER: 156

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1477	1210		bot-10	217	✓	✓	↑											4.702	
2	1478	1211		200		✓													4.689	
3	1479	1212		175		✓													4.681	
4	1480	1213		150		✓													4.719	
5	1481	1215		125		✓													4.913	
6	1482	1216		100		✓													4.762	
7	1483	1217		75		✓													4.695	
8	1484	1218		50		✓													4.419	
9	1485	1219		30		✓													4.175	
10	1486	1221		20		✓													3.890	
11	1487	1222		10		✓													3.279	
12	1488	1223		0				↓											5.859	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 220

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		21:23
Bottom:		21:29
End:		

START POSITION (GPS)
LAT: 49 39.01
LONG: 126 28.59

BOTTOM POSITION (GPS)
LAT: 49 38.97
LONG: 126 28.60

END POSITION (GPS)
LAT:
LONG:

Comments:

1723
121
602

24256
121
24079

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

96/08/16

STATION NAME:

MUC 4.

CAST NUMBER:

157

SHIP:

VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION
Trip Confirmed
pressure Salinity

Samples taken
SAL NUT ALK TCO
OXY CHL C13

DO
ml/l

1	1489	1224			279	✓		↑	✓									0.116
2	1490	1225			250	✓		↓	✓									0.185
3	1491	1228			200	✓			✓									0.258
4	1492	1230			175	✓			✓									0.479
5	1493	1231			150	✓			✓									3.805
6	1494	1233			125	✓			✓									4.209
7	1495	1234			100	✓			✓									4.015
8	1496	1235			75	✓			✓									3.896
9	1497	1237			50	✓			✓									8.513
10	1498	1238			30	✓			✓									1.756
11	1499	1240			20	✓			✓									1.835
12	1500	1241			10	✓			✓									2.937
13	1501	1243			0				✓									5.951
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY:

BETH

CHECKED BY:

Bottom Depth:

285

Cast # down:

Cast # up:

Time

LOC

UTC

Begin:

2220

Bottom:

End:

2246

START POSITION (GPS)

LAT: 49 38.52

LONG: 126 20.60

BOTTOM POSITION (GPS)

LAT: 49 38.51

LONG: 126 20.65

END POSITION (GPS)

LAT: 49 38.55

LONG: 126 20.63

ROSETTE LOG

MISSION ID: 9814
STATION NAME: MUC3UTC DATE y/m/d: 98/06/16
CAST NUMBER: 158SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	1502	2040			801-10	✓											0.072	
2	1503	2043			300	✓											0.249	
3	1504	2044			250	✓											0.257	
4	1505	2045			200	✓											0.363	
5	1506	2047			175	✓											0.532	
6	1507	2049			150	✓											2.804	
7	1508	2051			125	✓							710				3.955	
8	1509	2052			100	✓											4.008	
9	1510	2054			75	✓											3.932	
10	1511	2055			50	✓											3.412	
11	1512	2056			30	✓											1.779	
12	1513	2057			20	✓											1.783	
13	1514	2059			10	✓											2.866	
14	1515	2060			0	✓											5.277	
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BETH
CHECKED BY:Bottom Depth: 362

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2316
Bottom:		2324
End:		2343

START POSITION (GPS)		
LAT:	49	39.03
LONG:	126	14.44

BOTTOM POSITION (GPS)		
LAT:	49	39.04
LONG:	126	14.36

END POSITION (GPS)		
LAT:	49	39.05
LONG:	126	14.47

Comments: * 1508 - Strange peaky titration End pt dosage % 231.9 - Don't think value is correct. EB

ROSETTE LOG

MISSION ID: 9814
STATION NAME: MUC 2UTC DATE y/m/d: 98/06/17
CAST NUMBER: 159SHIP: VECTORNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												SD	ml/l
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	1516	2061		BOT-10	362	✓	✓							0.094	
2	1517	2062		300		✓	✓							0.287	
3	1518	2063		250		✓	✓							0.343	
4	1519	2064		200		✓								0.407	
5	1520	2065		175		✓								0.477	
6	1521	2068		150		✓								0.771	
7	1522	2069		125		✓								3.391	
8	1523	2072		100		✓								3.919	
9	1524	2073		75		✓								4.005	
10	1525	2074		50		✓								3.229	
11	1526	2075		30		✓								1.781	
12	1527	2084		20		✓								4.717	
13	1528	2085		10		✓								2.305	
14	1529	2086		0		✓	✓							5.321	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BETH BM
CHECKED BY:Bottom Depth: 366

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0036
Bottom:		
End:		

START POSITION (GPS)		
LAT:	49	40.17
LONG:	126	09.54

BOTTOM POSITION (GPS)		
LAT:		
LONG:		

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: M5km

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 1160

SHIP: VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip	Confirmed	SAL		NUT		ALK		TCO							
pressure	Salinity		OXY		CHL		C13								
1	1530			170	162	✓								421	
2	1531			150		✓								470	
3	1532			125		✓								2389	
4	1533			100		✓								3420	
5	1534			75		✓								3330	
6	1535			50		✓								2623	
7	1536			30		✓								1197	
8	1537			20		✓								1123	
9	1538			10		✓								1570	
10	1539			0		✓								6705	
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: BETH
CHECKED BY:

Bottom Depth: 172

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0130
Bottom:		0135
End:		0145

START POSITION (GPS)
LAT: 49 38.98
LONG: 126 05.54

BOTTOM POSITION (GPS)
LAT: 49 38.95
LONG: 126 05.51

END POSITION (GPS)
LAT: 49 38.98
LONG: 126 05.55

Comments:

ROSETTE LOG

MISSION ID: 98-14
STATION NAME: MUC 1

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 161

SHIP: 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	1540			807		✓											1280	
2	1541			100		✓											1860	
3	1542			75		✓											1394	
4	1543			50		✓											1120	
5	1544			30		✓											1033	
6	1545			20		✓											1083	
7	1546			10		✓											1954	
8	1547			0		✓											7038	
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: BETH
CHECKED BY:

Bottom Depth: 129

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0205
Bottom:		0208
End:		

START POSITION (GPS)
LAT: 49 37.53
LONG: 126 03.65

BOTTOM POSITION (GPS)
LAT: 49 37.50
LONG: 126 03.65

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 41

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 162

SHIP:

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	1548			20	18.5	✓		↑									5.676	
2	1549			10		✓		↑									5.864	
3	1550			5		✓		↓									6.808	
4	1551			0		✓		✓									7.529	
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 27

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1403
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 55.21
LONG: 125 31.03

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 44

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 163

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	1552			20	21	✓		↑									4924	
2	1553			15		✓											5.157	
3	1554			10		✓											5500	
4	1555			5		✓											5.857	
5	1556			0		✓		↓									7.448	
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 26

Cast # down:
Cast # up:

Time LOC UTC
Begin: 1445
Bottom:
End:

START POSITION (GPS)
LAT: 48 56.57
LONG: 125 32.50

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: 45

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 164

SHIP:

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	1557			20	20	✓		✓									4878	
2	1558			15		✓		✓									4883	
3	1559			12		✓		✓									5056	
4	1560			10		✓		✓									5049	
5	1561			8		✓		✓									5104	
6	1562			6		✓		✓									5313	
7	1563			4		✓		✓									6308	
8	1564			2		✓		✓									6970	
9	1565			0				✓									7321	
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 24

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1511
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 52.02
LONG: 125 33.01

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: A12

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 165

SHIP: Vector

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1566			bott-10	88	✓													3528	
2	1567			75		✓													3.263	
3	1568			50		✓													3353	
4	1569			30		✓													4248	
5	1570			20		✓													5.473	
6	1571			10		✓													7.363	
7	1572			0		✓													6.943	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 99

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		1738
Bottom:		
End:		

START POSITION (GPS)
LAT: 48 58.41
LONG: 125 07.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: PA 1

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 166

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	1573	1210		15		✓											DO	
2	1574	1211		10		✓											ml/l	
3	1575	1212		5		✓											1.313	
4	1576	1213		0		✓											2.032	
5																	2.304	
6																	6.650	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 17.

Cast # down: 2036
Cast # up:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

START POSITION (GPS)
LAT: 49 13.93
LONG: 124 49.05

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: A0

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 167

SHIP: VECTRE

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO ml/l	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	1577	1215		60	59	✓													2.467	
2	1578	1216		50		✓													2.364	
3	1579	1217		30		✓													1.715	
4	1580	1218		25		✓													1.663	
5	1581	1219		20		✓													1.772	
6	1582	1221		15		✓													1.821	
7	1583	1222		10		✓													2.212	
8	1584	1223		5		✓													2.432	
9	1585	1224		0		✓													5.990	
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 60

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		2058
Bottom:		
End:		

START POSITION (GPS)
LAT: 4912.16
LONG: 12449.02

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/17

SHIP: Vector

STATION NAME:

A1

CAST NUMBER:

168

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken													
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1586	1725		bot - 10	107	✓	✓												3.065	
2	1587	1228		75		✓													3.207	
3	1588	1230		50		✓													2.735	
4	1589	1231		40		✓													2.703	
5	1590	1233		30		✓													2.501	
6	1591	1234		25		✓													2.561	
7	1592	1235		20		✓													2.660	
8	1593	1237		15		✓													2.930	
9	1594	1238		10		✓													3.490	
10	1595	1240		5		✓													4.004	
11	1596	1241		0		✓													6.101	
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 111

Cast # down:

Cast # up:

Time LOC UTC

Begin: 21:26

Bottom: 21:29

End: 21:37

START POSITION (GPS)

LAT: 49 09 93

LONG: 124 48 63

BOTTOM POSITION (GPS)

LAT: 49 09 89

LONG: 124 48 61

END POSITION (GPS)

LAT: 49 09 94

LONG: 124 48 64

ROSETTE LOG

MISSION ID: 9814
STATION NAME: PA13

UTC DATE y/m/d: 98/06/17
CAST NUMBER: 169

SHIP: VECTOR

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												TDO	ml/l
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
1	1597	1249		bott-10		✓													3.134	
2	1598	1251		100		✓													3.249	
3	1599	1252		75		✓													3.256	
4	1600	1253		50		✓													3.017	
5	1601	1254		30		✓													3.150	
6	1602	1255		20		✓													3.130	
7	1603	1256		10		✓													4.691	
8	1604	1257		0		✓													6.223	
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

ENTERED BY:
CHECKED BY:

Bottom Depth: 135

Cast # down: 169
Cast # up: 169

Time	LOC	UTC
Begin:		21:55
Bottom:		22:00
End:		

START POSITION (GPS)
LAT: 49° 7.75
LONG: 124° 48.43

BOTTOM POSITION (GPS)
LAT: 7.70
LONG: 48.46

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: A4

UTC DATE y/m/d: 17/6/98
CAST NUMBER: 170

SHIP: VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO	ml/l.
Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
		✓	OXY	CHL	C13										
1	1605	1258		bot-10	✓									3.056	
2	1606	1260		250	✓									3.024	
3	1607	1261		200	✓									2.812	
4	1608	1262		175	✓									2.056	
5	1609	1264		150	✓									1.630	
6	1610	1265		125	✓									1.880	
7	1611	1267		100	✓									2.373	
8	1612	1268		75	✓									3.008	
9	1613	1269		50	✓									3.006	
10	1614	1270		30	✓									3.308	
11	1615	1271		20	✓									3.491	
12	1616	1272		10	✓									5.727	
13	1617	1273		0	✓									6.337	
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 289

Cast # down: 170
Cast # up: 170

Time	LOC	UTC
Begin:		23:01
Bottom:		23:08
End:		

START POSITION (GPS)
LAT: 49° 2.71
LONG: 124° 51.07

BOTTOM POSITION (GPS)
LAT: 2.74
LONG: 51.16

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9814
STATION NAME: A5

UTC DATE y/m/d: 17/6/98
CAST NUMBER: 171

SHIP: VECTOR

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken												DO ml/l	
Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO									
		✓	OXY	CHL	C13										
1	1618	1210		bot-10	✓									3.044	
2	1619	1211		300	✓									3.007	
3	1620	1212		250	✓									2.935	
4	1621	1213		200	✓									2.877	
5	1622	1215		175	✓									2.412	
6	1623	1216		150	✓									2.341	
7	1624	1217		125	✓									2.548	
8	1625	1218		100	✓									3.030	
9	1626	1219		75	✓									3.376	
10	1627	1222		50	✓									3.475	
11	1628	1223		30	✓									3.482	
12	1629	1224		20	✓									4.002	
13	1630	1221		10	✓									6.882	
14	1631	1225		0	✓									6.558	
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY: DJS
CHECKED BY:

Bottom Depth: 319

Cast # down: 171
Cast # up: 171

Time	LOC	UTC
Begin:		23:48
Bottom:		23:57
End:		00:15

START POSITION (GPS)		
LAT:	48	57.60
LONG:	124	53.38

BOTTOM POSITION (GPS)		
LAT:		59.58
LONG:		53.39

END POSITION (GPS)		
LAT:		59.61
LONG:		53.39

Comments:

ROSETTE LOG

MISSION ID:

9814

UTC DATE y/m/d:

98/06/18

SHIP:

VECTOR

STATION NAME:

A7

CAST NUMBER:

172

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL	✓	NUT	ALK	TCO							
1	1632	1228		bot-10	249	✓	✓	↑									3.596	
2	1633	1230		200		✓	✓										3.533	
3	1634	1231		175		✓	✓										3.504	
4	1635	1233		150		✓											3.483	
5	1636	1234		125		✓											3.430	
6	1637	1235		100		✓											3.370	
7	1638	1237		75		✓											3.367	
8	1639	1238		50		✓											3.623	
9	1640	1240		30		✓											3.770	
10	1641	1241		20		✓											4.032	
11	1642	1243		10		✓											5.785	
12	1643	1244		0		✓		↓									6.880	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 260

Cast # down: 172

Cast # up: 172

Time LOC UTC

Begin: 0059

Bottom:

End:

START POSITION (GPS)

LAT: 4857.11

LONG: 1250129

BOTTOM POSITION (GPS)

LAT: 57.06

LONG: 01.39

END POSITION (GPS)

LAT:

LONG:

Comments:

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	1644	1249		bot-10		✓		↑ ↓									3.340	
2	1645	1251		150		✓											3.355	
3	1646	1252		125		✓											3.362	
4	1647	1253		100		✓											3.403	
5	1648	1254		75		✓											3.172	
6	1649	1255		50		✓											3.225	
7	1650	1256		30		✓											4.024	
8	1651	1258		20		✓											4.307	
9	1652	1257		10		✓											6.100	
10	1653	1260		0		✓											7.225	
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

ENTERED BY: JJS

CHECKED BY:

Bottom Depth: 195

Cast # down: 173

Cast # up:

Time	LOC	UTC
Begin:		01:45
Bottom:		01:50
End:		

START POSITION (GPS)

LAT: 48° 53.77

LONG: 125° 3.05

BOTTOM POSITION (GPS)

LAT: 53.75

LONG: 3 02

END POSITION (GPS)

LAT:

LONG:

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken												DO	
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
1	1654	1261		bot-10		✓													3.181	
2	1655	1262		100		✓													3.188	
3	1656	1264		75		✓													2.699	
4	1657	1265		50		✓													3.405	
5	1658	1267		30		✓													3.975	
6	1659	1268		20		✓													4.623	
7	1660	1269		10		✓													6.018	
8	1661	1270		0		✓													7.786	
9																				
10																				
11																				
12																				
13																				
14																				
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16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Comments:

ENTERED BY: DS

CHECKED BY:

Bottom Depth: 138

Cast # down: 174

Cast # up: 174

Time	LOC	UTC
Begin:		02:32
Bottom:		02:37
End:		

START POSITION (GPS)

LAT: 48° 51.50

LONG: 125° 8.09

BOTTOM POSITION (GPS)

LAT: 51.51

LONG: 9.10

END POSITION (GPS)

LAT:

LONG: